

REQUEST FOR BID

Infrastructure Improvements to Health Care Facilities in Joe
Gqabi District:

**REPAIRS, RENOVATIONS AND REFURBISHMENT TO
SIX (6) FACILITIES IN JOE GQABI DISTRICT- WALTER
SISULU AND SENQU SUB- DISTRICTS**

BID NO: SCMU3-2526-0212-JG

NAME OF COMPANY: `

CSD Nr: _____

CRS Nr (CIDB): _____

CLOSING DATE: Friday, 26 September 2025

TIME: 11:00 am

Deliver to:

EASTERN CAPE DEPARTMENT OF HEALTH: SUPPLY CHAIN MANAGEMENT OFFICE,
situated at the following address:

GLOBAL LIFE CENTRE, SCM UNIT, C/O PHALO AVENUE AND R63 (OPPOSITE ENGINE
GARAGE), BHISHO

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THE TENDER

PART T1 - TENDERING PROCEDURES

PART T1.1: TENDER NOTICE AND INVITATION TO TENDER

T1.1 Tender Notice and Invitation to Tender

The Eastern Cape Department of Health invites contractors with a CIDB Grading of **6GBPE/7GB** or higher to tender for the **“REPAIRS, RENOVATIONS AND REFURBISHMENT TO SIX (6) FACILITIES IN JOE GQABI DISTRICT – WALTER SISULU AND SENQU SUB - DISTRICTS”** for a **15 month construction period**. The contract will be based on the JBCC Edition 6.2 of 2024 and **The Eastern Cape Department of Health** will enter a contract with the successful tenderer.

Bid documents are downloadable free of charge through www.etenders.gov.za

There will be a compulsory briefing meeting on Wednesday, **10 September 2025 @ 11h00**. Prospective bidders to meet at Aliwal North Hospital learning centre, 01 Parklane street, Maletswai.

Queries & Technical enquiries relating to the issue of these documents may be addressed in writing to Ms T. Notshe via email: thabisa.notshe@echealth.gov.za

The closing time for receipt of tenders by **The Eastern Cape Department of Health** is **11:00am on 26 September 2025**. Telegraphic, telephonic, telex, facsimile, e-mail and late tenders will not be accepted. Bids must be submitted in sealed envelopes clearly marked **Infrastructure Improvements to Health Care Facilities Joe Gqabi District: “REPAIRS, RENOVATIONS AND REFURBISHMENT TO SIX (6) FACILITIES IN JOE GQABI DISTRICT – WALTER SISULU AND SENQU SUB - DISTRICTS”** and must be deposited in the bid/tender box of:

EASTERN CAPE DEPARTMENT OF HEALTH SCM offices situated at the following address:

**GLOBAL LIFE CENTRE, SCM UNIT,
C/O PHALO AVENUE AND R63 (OPPOSITE ENGINE GARAGE),
BHISHO**

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

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

B. BID EVALUATION:

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

Stage One: Compliance and responsiveness to the bid rules and conditions.

Stage Two: After stage one, bidders will be evaluated in terms of Price & Specific targeted goals in terms of the Preferential procurement regulations of 2022.

PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT (PPPFA) Price & Specific targeted goals POINTS WILL BE AWARDED AS FOLLOWS:

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

C. BID SPECIFICATIONS, CONDITIONS AND RULES

The minimum specifications, bid conditions and rules are detailed in the bid document under Tender Data. The specifications, rules, special conditions of bid, evaluation criteria, and rules for evaluation for compliance to local content and other bid conditions are detailed in the document.

Tender validity period is **90 days**.

D. TENDER SUBMISSIONS:

Bids must be submitted in sealed envelopes/boxes clearly marked: **Infrastructure Improvements to Health Care Facilities Joe Gqabi District: "REPAIRS AND RENOVATIONS TO SIX (6) FACILITIES IN JOE GQABI DISTRICT – WALTER SISULU AND SENQU SUB - DISTRICTS"** must be deposited in the tender / bid box:

EASTERN CAPE DEPARTMENT OF HEALTH SCM offices situated at the following address:

**GLOBAL LIFE CENTRE, SCM UNIT,
C/O PHALO AVENUE AND R63 (OPPOSITE ENGINE GARAGE),
BHISHO**

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

Ms T. Notshe via email: thabisa.notshe@echealth.gov.za

PART T1.2: TENDER DATA

T1.2 Tender Data

The conditions of tender are the latest edition of SANS 10845-3, *Standard conditions of tender*. SANS 10845-3 makes several references to the Tender Data for details that apply specifically to this tender. The Tender Data shall have precedence in the interpretation of any ambiguity or inconsistency between it and the provisions of SANS 10845-3 *and* as contained in **Annexure C of Standard for Uniformity in Construction Procurement (Board Notice 423 of 2009 Government Gazette No 42622 of August 2019)**. Each item of data given below is cross-referenced to the clause in SANS 10845-3 to which it mainly applies.

Clause number	Tender Data
3.1	The Employer is Health
3.2	The tender documents issued by the employer comprise the following documents: THE TENDER Part T1: Tendering procedures T1.1 - Tender notice and invitation to tender. T1.2 - Tender data Part T2: Returnable documents T2.1 - List of returnable documents T2.2 - Returnable schedules THE CONTRACT Part C1: Agreements and Contract data C1.1 - Form of offer and acceptance C1.2 - Contract data C1.3 - Dispute Resolution Mechanism Part C2: Pricing data C2.1 - Pricing Instructions C2.2 - Bills of Quantities Part C3: Scope of work C3 - Scope of work Part C4: Site information C4 - Site information
3.3	The tender documents issued by the employer comprise the documents listed on the contents page
3.4	Name of the technical advisor: Ms Thabisa Notshe DEPARTMENT OF HEALTH, GLOBAL LIFE CENTRE, SCM UNIT, C/O PHALO AVENUE AND R63 (OPPOSITE ENGEN GARAGE), BHISHO 5605 E-mail: thabisa.notshe@echealth.gov.za Phone: 040 608 9501
3.5	The language for communications is English
3.6	The competitive negotiation procedure shall be applied.
3.7	Procurement Method: Two (2) stage procurement procedure shall be applied.
4	Tender's obligations

4.1	The following tenderers who are registered with the CIDB, or are capable of being so registered prior to the evaluation of submissions, are eligible to have their tenders evaluated: a) contractors who have a contractor grading designation equal to or higher than a contractor grading designation determined in accordance with the sum tendered, or a value determined in accordance with Regulation 25 (1B) of 25(7A) of the Construction Industry Development Regulations, for a CIDB 6GBPE/7GB or Higher class of construction work; Joint ventures are eligible to submit tenders provided that: - every member of the joint venture is registered with the CIDB; - the lead partner has a contractor grading designation in the 6GBPE/7GB class of construction work; or not lower than one level below the required grading designation in the class of construction works under considerations and possess the required recognition status. - the combined contractor grading designation calculated in accordance with the Construction industry Development Regulations using the CIDB Joint Venture Calculator is equal to or higher than a contractor grading designation determined in accordance with the sum tendered for a CIDB 6GBPE/7GB or higher class of construction work or a value determined in accordance with Regulation 25 (1B) of 25(7A) of the Construction Industry Development Regulations. - Joint Venture Agreement. - Separate SBD 6.1, Specific Goals Claim form, POPIA act Forms with % split clearly indicated to be submitted for each JV partner.
4.2	The employer will compensate the tender as follows JBCC Edition 6.2 of 2024. The employer <u>will not</u> compensate the tenderer for any costs incurred in attending interviews or making any submissions in the office of the employer.
4.3	It is the responsibility of the tenderer to check the tender documents on receipt for completeness and notify the employer of any discrepancy or omission.
4.4	Confidentiality and copyright of documents Treat as confidential all matters arising in connection with the tender. Use and copy the documents issued by the employer only for the purpose of preparing and submitting a tender offer in response to the invitation.
4.5	Obtain, as necessary for submitting a tender offer, copies of the latest versions of standards, specifications, conditions of contract and other publications, which are incorporated into the tender documents by reference.
4.6	Acknowledge receipt of addenda to the tender documents, which the employer may issue, and, if necessary, apply for an extension to the closing time stated in the tender data, in order to take the addenda into account.
4.7	The arrangements for a compulsory clarification meeting are as stated in the Tender Notice and Invitation to Tender. Tenderers must sign the attendance list in the name of the tendering entity. Addenda will be issued to and tenders will be received only from those tendering entities appearing on the attendance list. Tender documents will not be made available at the clarification meeting
4.8	Seek clarification <i>Request clarification of the tender documents, if necessary, by notifying the employer at least <u>5 (Five) working days</u> before the closing time stated in the tender data.</i>
4.9	Tenderers are required to state the rates and currencies in Rands. Include in the rates, prices, and the tendered total of the prices (if any), all duties, taxes which the law requires to be paid [except value added tax (VAT)], and other levies payable by the successful tenderer, that are applicable 14 days before the closing time stated in the tender data. Show the VAT payable by the employer separately as an addition to the tendered total of the prices. Provide rates and prices that are fixed for the duration of the contract and not subject to adjustment except as provided for in the conditions of contract identified in the contract data. State the rates and prices in monetary value of the contract unless otherwise instructed in the tender data.
4.10	Do not make any alterations or additions to the tender documents, except to comply with instructions issued by the employer or to correct errors made by the tenderer and ensure that all signatories to the tender offer initial all such alterations. Do not make erasures using masking fluid.
4.11	Main tender offers are not required to be submitted together with alternative tenders.

4.12	No alternative tender offers will be considered
4.13.1	Parts of each tender offer communicated on paper shall be submitted as an original. Submit a) the parts of the tender offer communicated on paper as an original plus the number of copies stated in the tender data, with a translation of any documentation in a language other than the language of communication established in 3.5, and b) the parts communicated electronically by the employer of its agents on paper format with the tender.
4.13.2	Sign the original and all copies of the tender offer where required in terms of the tender data. State in the case of a joint venture which of the signatories is the lead partner whom the employer shall hold liable for the purpose of the tender offer. NOTE The employer holds all authorized signatories liable on behalf of the tenderer.
4.13.3	A tender security in the amount of N/A is required and shall remain valid for a period not exceeding N/A days after the closing date for tender offers. The form of the tender security shall not differ substantially from the sample provided in Annex D of SANS 10845-3.
4.13.4	The employer's details and address for delivery of tender offers and identification details are to be shown on each tender offer package. Tender / Bid identification details: Infrastructure Improvements to Health Care Facilities Joe Gqabi District: "REPAIRS, RENOVATIONS AND REFURBISHMENT TO SIX (6) FACILITIES IN JOE GQABI DISTRICT – WALTER SISULU AND SENQU SUB - DISTRICTS" Closing time and date: As per Tender advertisement
4.13.5	The tenderer is required to submit with his tender the following certificates: 1) a copy of the CSD report showing, amongst other things, that tax matters of the service provider are in order with the South African Revenue Services. <i>In the case of a Joint Venture/Consortium/Sub-contractors each party must submit a separate CSD report showing, amongst other things, that tax matters of the service provider are in order with the South African Revenue Services.</i> 2) CIDB Grading certificate or CRS number. 3) Compensation of Occupational Injuries and Disease Act (COIDA) Letter of Good standing from the Department of Labour or Federated Employers Mutual Insurance (FEM).
4.13.6	A two-envelope procedure will not be required.
4.13.7	Telephonic, telegraphic, telex, facsimile or e-mailed tender offers will not be accepted. The tenderer accepts that the employer does not assume any responsibility for the misplacement or premature opening of the tender offer if the outer package is not sealed and marked as stated.
4.14	The closing time for submission of tender offers is as stated in the Tender Notice and Invitation to Tender. Ensure that the employer receives the tender offer at the address specified in the tender data not later than the closing time stated in the tender data. Proof of posting shall not be accepted as proof of delivery. Accept that, if the employer extends the closing time stated in the tender data for any reason, the requirements of the standard conditions of tender in this part of SANS 10845 apply equally to the extended deadline.
4.15.1	The tender offer validity period is 90 days. Hold the tender offer(s) valid for acceptance by the employer at any time during the validity period stated in the tender data after the closing time stated in the tender data. If requested by the employer, consider extending the validity period stated in the tender data for an agreed additional period, with or without any conditions attached to such extension. Extend the period of the tender security, if any, to cover any agreed extension requested by the employer.

4.15.2	Placing of contractors under restrictions / withdrawal of tenders If any tenderer who has submitted a tender offer or a contractor who has concluded a contract has, as relevant: withdrawn such tender or quotation after the advertised closing date and time for the receipt of submissions; after having been notified of the acceptance of his tender, failed or refused to commence the contract; had their contract terminated for reasons within their control without reasonable cause; offered, promised or given a bribe in relation to the obtaining or the execution of such contract; acted in a fraudulent, collusive or anti-competitive or improper manner or in bad faith towards the Provincial Government; or, made any incorrect statement in any affidavit or declaration with regard to a preference claimed and is unable to prove to the satisfaction of the Provincial Government that the statement was made in good faith or reasonable steps were taken to confirm the correctness of the statements, such tenderer/s may be placed under restriction from tendering with the state. Procedures are outlined in the EC SCM Policy for Infrastructure procurement and Delivery Management and on cidb Inform Practice Note #30. Excerpts of the policy can be availed on request of any interested tenderer.
4.16	Access shall be provided for the following inspections, tests and analysis: N/A
4.17	The preferred tenderer will be required to submit an approved insurer undertaking to provide the Performance Bond / Guarantee / Surety / Security to the format and/or standard
5	Employer's undertakings
5.1	The Employer will respond to requests for clarification received up to Twelve (12) working days before the tender closing time. If, because of the issuing of addenda, it is necessary to extend the closing time stated in the tender data, grant such extension and notify all respondents accordingly.
5.2	The employer shall issue addenda until Twelve (12) working days before tender closing time.
5.3	Tenders will be opened immediately after the closing time for tenders at 11:00am hours .
5.4	Do not disclose to tenderers, or to any person not officially concerned with such processes, information relating to the evaluation and comparison of tender offers, the final evaluation price and recommendations for the award of a contract, until after the award of the contract to the successful tenderer.
5.5	Determine, after opening and before detailed evaluation, whether each tender offer that was properly received a) complies with the requirements of the standard conditions of tender in this part of SANS 10845, b) has been properly and fully completed and signed, and c) is responsive to the other requirements of the tender documents. A responsive tender is one that conforms to all the terms, conditions, and scope of work of the tender documents, without material deviation or qualification. A material deviation or qualification is one which, in the employer's opinion, would d) detrimentally affect the scope, quality, or performance of the works, services or supply identified in the scope of work, e) significantly change the employer's or the tenderer's risks and responsibilities under the contract, or f) affect the competitive position of other tenderers presenting responsive tenders, if it were to be rectified. Reject a non-responsive tender offer, and do not allow it to be subsequently made responsive by correction or withdrawal of the non-conforming deviation or reservation.
5.6	Arithmetical errors, omission and discrepancies Check responsive tenders for discrepancies between amounts in words and amounts in figures. Where there is a discrepancy between the amounts in figures and the amount in words, the amount in words shall govern. For Vat related discrepancies, National and Provincial Treasury prescripts in relation to VAT procedures apply.

5.7.1	The financial offer will be reduced to a comparative basis using the Tender Assessment Schedule. Table F.1: Formulae for calculating the value of A <table><tr><th>Formula</th><th>Comparison aimed at achieving</th><th>Option 1^a</th><th>Option 2^a</th></tr><tr><td>1</td><td>Highest price or discount</td><td>$A = \left(1 + \frac{(P - P_m)}{P_m} \right)$</td><td>$A = P / P_m$</td></tr><tr><td>2</td><td>Lowest price or percentage commission / fee</td><td>$A = \left(1 - \frac{(P - P_m)}{P_m} \right)$</td><td>$A = P_m / P$</td></tr><tr><td>a</td><td colspan="3">P_m is the comparative offer of the most favourable comparative offer. P is the comparative offer of the tender offer under consideration.</td></tr></table>	Formula	Comparison aimed at achieving	Option 1 ^a	Option 2 ^a	1	Highest price or discount	$A = \left(1 + \frac{(P - P_m)}{P_m} \right)$	$A = P / P_m$	2	Lowest price or percentage commission / fee	$A = \left(1 - \frac{(P - P_m)}{P_m} \right)$	$A = P_m / P$	a	P_m is the comparative offer of the most favourable comparative offer. P is the comparative offer of the tender offer under consideration.		
Formula	Comparison aimed at achieving	Option 1 ^a	Option 2 ^a														
1	Highest price or discount	$A = \left(1 + \frac{(P - P_m)}{P_m} \right)$	$A = P / P_m$														
2	Lowest price or percentage commission / fee	$A = \left(1 - \frac{(P - P_m)}{P_m} \right)$	$A = P_m / P$														
a	P_m is the comparative offer of the most favourable comparative offer. P is the comparative offer of the tender offer under consideration.																
5.7.2	The procedure for the evaluation of responsive tenders is Method 2: Administrative compliance, Price and Specific Goals Stage 1: Administrative compliance Stage 2: Price and specific goals (80/20 system)																
	<u>STAGE ONE: ADMINISTRATIVE REQUIREMENTS AND MANDATORY REQUIREMENTS</u> A. Bidders’ proposals must meet the following minimum requirements and supporting documents must be submitted with the completed bid document in a sealed envelope in the bid box at the closing date and time. Failure to comply will automatically eliminate the bid for further consideration: • Bid Document (This Document must be submitted in its original format) • Bids which are late, incomplete, unsigned or submitted by facsimile or electronically, will not be accepted. • Bidders must be registered with CIDB in the correct grading and class of works as per the tender notice and requirements. The status on CIDB must be active during award stage. It is the responsibility of the bidder to keep the status on CIDB active throughout the bidding process (advert till award stage). • Bidders must be a legal entity. • Bidders shall attend the compulsory briefing meeting 1. SBD 1 Part A and Part B (In the case of a joint venture, separate SBD1 forms in respect of each partner must be completed and signed) 2. Compulsory Enterprise Questionnaire (Completed and signed) (JV partners must complete separate Questionnaire forms and submit) (% split to be indicated for each JV partner) 3. SBD4 must be duly completed and signed. Does the bidder or any of its directors / trustees / shareholders / members / partners or any person having a controlling interest in the enterprise have any interest in any other related enterprise whether or not they are bidding for this contract, such interest must be disclosed on question 2.3.1 (In the case of a joint venture, separate SBD4 forms in respect of each partner must be completed and submitted) 4. Record of addenda issued (Only if addenda is issued) 5. Proposed amendments and qualifications. 6. Resolution for Signatory (In the case of a joint venture, separate resolution of signatory forms in respect of each partner and the joint venture must be completed and submitted) (mandatory) 7. Certificate of authority for joint ventures (Only where the tender/ quotation is submitted by a joint venture) (mandatory) 8. Schedule of Proposed Subcontractors 9. Particulars of a specialist subcontractor for registration as an electrical contractor. (Mandatory) 10. Proof of registration as a registered person in the category: Installation Electrician (Mandatory) 11. A qualified electrician with a trade certificate issued by the Department of labour or any of the SETAs (mandatory). 12. Particulars of a specialist subcontractor: Roof installation Certificate of Compliance. 13. SBD 6.1 Preference points claim form in terms of the Preferential procurement regulations 2022 14. Proof of Registration on the National Treasury Central Supplier Data Base (CSD) A CSD Registration Report (Full report not just the summary) for a contractor with valid and correct information The CSD report must show, amongst other things, that tax matters of the service provider are in order with the South African Revenue Services. In the case of a Joint Venture/Consortium/Sub-contractors each party must submit a separate CSD report showing, amongst other things, that tax																

	matters of the service provider are in order with the South African Revenue Services. The bidder must be registered on the Central Supplier Database (CSD) before the Tender Closing Date. 15. Valid CIDB Certificate of Tenderer (In the case of a joint venture, separate CIDB Certificates in respect of each partner must be completed and submitted) 16. Valid Department of Labour COIDA or FEM Letter of Good Standing Certificate. (In the case of a joint venture, separate COIDA or FEM letter in respect of each partner must be completed and submitted) (mandatory) 17. Proof of Specific Goals Claimed 18. Protection of personal content: Consent POPIA 19. Part C1.1 Form of Offer and Acceptance fully completed and signed (mandatory) If the offer is "Vat Inclusive", the VAT registration number of service provider must be indicated and if a service provider is not a VAT Vendor but include VAT in its prices, the successful service provider will be given 21 days to register as a VAT Vendor with SARS, after the issuing of an appointment letter. If a bidder is a VAT vendor/registered, the bidder is required to explicitly state the VAT amount. VAT vendors must include VAT at 15% in the bid offer(s). 20. Part C1.2 Contract Data 21. Part C2.2 Bills of Quantities (Handwritten Priced. Not typed and no correction fluid) (mandatory) This tender will be awarded as a whole. All trades listed in the Bills of Quantities or Pricing schedule must be priced for (except provisional sums and allowances), failure to do so will result in an increase in commercial risk of the bid and may lead to elimination or passing over of the bidder(Mandatory). Other documents required for tender evaluation. (To be verified during In-loco inspections) The tenderer must provide the following returnable documents: • List of Resources, Plant & Equipment to render the service • List of Projects completed of a similar nature with details of the Clients, Scope, Values, and dates of completion, with copies of Final Completion Certificates attached as Portfolio of evidence. Due Diligence In-Loco Inspection of the Bidder / or JV will be carried out as part of the Stage 1 Administrative compliance evaluation. As part of its due diligence obligations, the Department of Health reserves the right to do an In-Loco inspection of the offices and premises of the Bidder / or JV to verify the following: • The existence of the business enterprise as declared on the SBD1 form. • The existence of the resources including plant & equipment, to render the services. • The existence of projects completed by the bidder/JV as declared. A risk analysis of the Bills of Quantities and list of specific detailed quotations as part of returnable documents will be carried out during the Stage 1 Administrative compliance evaluation by the Bid Evaluation Committee with the support of the Built Environment Professional Team, to check for: • Mistakes in the Pricing schedules, BOQ's, and to confirm whether the tender price submitted is market related and does not pose a commercial risk to the Client. • If detailed quotations POE (Portfolio of evidence) on specific P&G (Preliminaries & General), OHS (Occupational Health & Safety) and specialist builders' items and installations were submitted in terms the Special Bid Conditions In the event that the analysis of the Bills of Quantities reveals any inconsistencies or misrepresentations with respect to the information declared in the bid submission, or if the bidder has failed to submit a non-mandatory document, the following process shall apply: • The bidder will be notified in writing of the identified inconsistencies, or omissions, and will be afforded seven (7) working days to provide necessary clarifications and/or submit the outstanding documentation. • Failure to address the issues or submit the required documentation within the stipulated time frame will result in bidder being disqualified and deemed ineligible for further evaluation under stage 2 (Price and Specific Goals) Wherever a brand name is specified in this document (i.e. specifications, pricing schedule, bill of quantities or anywhere), the department requires an item similar/equivalent or better to the PSP's specification. The successful tenderer (after being informed) will be required to bring along an unsigned copy of the form of contract to be signed by parties (e.g. JBCC Edition 6.2 of 2024)
	<u>STAGE TWO: EVALUATION POINTS ON PRICE AND SPECIFIC GOALS / PPPFA OF 2022</u>

	The 80/20 preference point system shall be applied for the purposes of this bid as per the requirements of the <i>Preferential Procurement Policy Framework Act, 2000 (Act No. 5 of 2000)</i> and PPPFA Regulations of 2022 <table border="1"> <tr> <th>Criteria</th><th>Points</th></tr> <tr> <td>POINTS ON PRICE</td><td>80</td></tr> <tr> <td>POINTS FOR SPECIFIC TARGETED GOALS</td><td>20</td></tr> <tr> <td>TOTAL</td><td>100</td></tr> </table> The 80/20 preference point system for acquisition of services, works or goods equals or is less than Rand value of R50 million: (a) The following formula must be used to calculate the points for price in respect of tenders (including price quotation) with a Rand value equal to, or above R 30 000 and up to Rand value of R 50 000 000 (all applicable taxes included): The financial offer will be scored using the following formula: $A = (1 - \frac{(P - P_m)}{P_m})$ The value of value of W_1 is: 1) 90 where the financial value inclusive of VAT of all responsive tenders received have a value in excess of R50 000 000 or 2) 80 where the financial value inclusive of VAT of one or more responsive tender offers have a value that equals or is less than R 50 000 000.	Criteria	Points	POINTS ON PRICE	80	POINTS FOR SPECIFIC TARGETED GOALS	20	TOTAL	100
Criteria	Points								
POINTS ON PRICE	80								
POINTS FOR SPECIFIC TARGETED GOALS	20								
TOTAL	100								
5.7.3	The procedure for the evaluation of responsive tenders is Method 2 (Administrative, price and preference)								
5.7.4	The quality criteria and maximum score in respect of each of the criteria are as follows: N/A								
5.7.5	Each evaluation criteria will be assessed in terms of five indicators – N/A								
5.7.6	The prompts for judgment and the associated scores used in the evaluation of quality shall be as follows: N/A								
5.8	Tender offers will only be accepted if: - the tenderer is registered on the Central Supplier Database (CSD) for the South African government (see https://secure.csd.gov.za/) unless it is a foreign supplier with no local registered entity - the tenderer is in good standing with SARS according to the Central Supplier Database. Bidders must submit a CSD no. or tax status compliance pin. - the tenderer is registered with the Construction Industry Development Board in an appropriate contractor grading designation; - the tenderer or any of its directors/shareholders is not listed on the Register of Tender Defaulters in terms of the Prevention and Combating of Corrupt Activities Act of 2004 as a person prohibited from doing business with the public sector. - the tenderer has not: i) abused the Employer's Supply Chain Management System; or ii) failed to perform on any previous contract and has been given a written notice to this effect. - the tenderer has completed the Compulsory Declaration and there are no conflicts of interest which may impact on the tenderer's ability to perform the contract in the best interests of the employer or potentially compromise the tender process. - the tenderer has completed the Compulsory Enterprise Questionnaire and there are no conflicts of interest which may impact on the tenderer's ability to perform the contract in the best interests of the employer or potentially compromise the tender process and persons in the employ of the state are permitted to submit tenders or participate in the contract. - Bids which are late, incomplete, unsigned or submitted by facsimile or electronically will not be accepted. - the tenderer is registered and in good standing with the compensation fund or with a licensed compensation insurer. - the employer is reasonably satisfied that the tenderer has in terms of the Construction Regulations, 2014, issued in terms of the Occupational Health and Safety Act, 1993, the								

	necessary competencies and resources to carry out the work safely. A letter of Good standing from the Labour Department is a compulsory mandatory requirement. - the tender has offered a market related offer. If the offer is believed not to be market related, the department through its Supply Chain Management bid committees will attempt to negotiate the offer with identified bidder/s to a reasonable amount. Bidders are not allowed to increase their tender offers during this process. - A Resolution of signatory form has been completed and signed by director/s or a letter bearing a letterhead of the tenderer has been attached (specific to this bid) to the bid submission; it must be duly signed by all directors and submitted the bid. Only a duly authorized official can sign the bid. - Prospective bidders must register on CSD prior submitting bids (open tenders). Any prospective bidder found to have Tax matters not in order with SARS (verified through CSD) during the evaluation process (after being given an opportunity to rectify tax matters) will be eliminated and not be considered further in the process. Preferred bidder/s will be afforded an opportunity to rectify their tax affairs within 7 days. A bidder that fails to rectify its tax matters with SARS will be eliminated. NOTE: The amount reflected on the Form of Offer and Acceptance takes precedence over any other total amount indicated elsewhere in bidder's tender submission. If the Form of Offer and Acceptance has no value or figure, the bidder will be regarded as having made no offer. - Bids shall not be awarded to Bidders appearing on the Health Department and/or National/Provincial Treasury Defaulters List - The tenderer is to provide the following in respect of the following specialist's work: Failure to provide the information will result in the tender being eliminated/nonresponsive. - Particulars of a specialist subcontractor for registration as an electrical contractor. (Mandatory) - Proof of registration as a registered person in the category: Installation Electrician (Mandatory) - A qualified electrician with a trade certificate issued by the Department of labour or any of the SETAs (mandatory). - In the event where the recommended Bidder has failed to comply with the conditions as set out in the letter of award, the client shall notify the recommended Bidder of his/her failure to comply and recommend for award the next bidder that scored the highest points. The Conditions as set out in the letter of award are as follow: - Proof of having All risk, public liability and support insurances as stipulated in the contract. - Submission of a Construction Safety, Health and Environmental Plan. - Fixed Guarantee for Construction (as set out in the tender document)
5.9	The number of paper copies of the signed contract to be provided by the employer is 1.
	The additional conditions of tender are: Wherever a brand name is specified in this document (i.e., specifications, pricing schedule, bill of quantities or anywhere), the department requires an item similar/equivalent or better.
T.2.1	List of returnable documents
1	Documentation to demonstrate eligibility to have tenders evaluated i.e. List all documentation to demonstrate eligibility to have a submission evaluated. Appropriate CIDB grading suitable for the works (as stated in 4.1).
2	Returnable Schedules required for tender evaluation purposes. The tenderer must fully and appropriately complete and sign the following returnable schedules as relevant: SBD 1 Part A and Part B (In the case of a joint venture, separate SBD1 forms in respect of each partner must be completed and submitted)

	2) Compulsory enterprise questionnaire (In the case of a joint venture, separate enterprise questionnaires in respect of each partner must be completed and submitted). 3) SBD 4 (In the case of a joint venture, separate SBD4 forms in respect of each partner must be completed and submitted) 4) Record of addenda issued (Only if addenda is issued) 5) Proposed amendments and qualifications. 6) Resolution for Signatory (In the case of a joint venture, separate resolution of signatory forms in respect of each partner and the joint venture must be completed and submitted) (mandatory) 7) Certificate of authority for joint ventures (Only where the tender/ quotation is submitted by a joint venture) (mandatory) 8) Schedule of Proposed Subcontractors 9) Particulars of a specialist subcontractor for registration as an electrical contractor. (Mandatory) 10) Proof of registration as a registered person in the category: Installation Electrician (Mandatory) 11) A qualified electrician with a trade certificate issued by the Department of labour or any of the SETAs (mandatory). 12) Particulars of a specialist subcontractor: Roof installation Certificate of Compliance 13) SBD 6.1 Preference points claim form in terms of the Preferential procurement regulations 2022 14) Proof of Registration on the National Treasury Central Supplier Data Base (CSD) A CSD Registration Report (Full report not just the summary) for a contractor with valid and correct information 15) Valid CIDB Certificate of Tenderer (In the case of a joint venture, separate CIDB Certificates in respect of each partner must be completed and submitted) 16) Valid Department of Labour COIDA or FEM Letter of Good Standing Certificate. (In the case of a joint venture, separate COIDA or FEM letter in respect of each partner must be completed and submitted) (mandatory) 17) Proof of Specific Goals Claimed 18) Protection of personal content: Consent POPIA 19) Part C1.1 Form of Offer and Acceptance (mandatory) 20) Part C1.2 Contract Data 21) Part C2.2 Bills of Quantities (Handwritten Priced. Not typed and no correction fluid) (mandatory)
3	Other documents required for tender evaluation. (To be verified during In-loco inspections) The tenderer must provide the following returnable documents: • List of Resources, Plant & Equipment to render the service • List of Projects completed of a similar nature with details of the Clients, Scope, Values, and dates of completion, with copies of Practical, Works and or Final Completion Certificates attached as Portfolio of evidence.
4	Only authorized signatories may sign the original and all copies of the tender offer where required. In the case of a ONE-PERSON CONCERN submitting a tender, this shall be clearly stated. In the case of a COMPANY submitting a tender, include a copy of a <u>resolution by its board of directors</u> authorizing a director or other official of the company to sign the documents on behalf of the company. In the case of a CLOSE CORPORATION submitting a tender, include a copy of a <u>resolution by its members</u> authorizing a member or other official of the corporation to sign the documents on each member's behalf. In the case of a PARTNERSHIP submitting a tender, <u>all the partners</u> shall sign the documents, unless one partner or a group of partners has been authorized to sign on behalf of each partner, in which case <u>proof of such authorization</u> shall be included in the Tender. In the case of a JOINT VENTURE/CONSORTIUM submitting a tender, include a <u>resolution of each company</u> of the joint venture together with a <u>resolution by its members</u> authorizing a member of the joint venture to sign the documents on behalf of the joint venture. <u>Accept that failure to submit proof of authorization to sign the tender shall result in the tender offer being regarded as non-responsive.</u>
5	Information and data to be completed in all respects Accept that tender offers, which do not provide all the data or information requested completely and, in the form, required, may be regarded by the employer as nonresponsive.
6	Canvassing and obtaining of additional information by tenderers

	The Tenderer shall not make any attempt either directly or indirectly to canvass any of the Employer's officials or the Employer's agent in respect of his tender, after the opening of the tenders but prior to the Employer arriving at a decision thereon. The Tenderer shall not make any attempt to obtain particulars of any relevant information, other than that disclosed at the opening of tenders.
7	Prohibitions on awards to persons in service of the state The Employer is prohibited to award a tender to a person - - who is in the service of the state; or - if that person is not a natural person, of which any director, manager, principal shareholder or stakeholder is a person in the service of the state; or - a person who is an advisor or consultant contracted with the Department or municipal entity. In the service of the state means to be - - a member of: - - any municipal council. - any provincial legislature; or - the National Assembly or the National Council of Provinces; - a member of the board of directors of any municipal entity; - an official of any Department or municipal entity; - an employee of any national or provincial department; - provincial public entity or constitutional institution within the meaning of the Public Finance Management Act, 1999 (Act No.1 of 1999); - a member of the accounting authority of any national or provincial public entity; or - an employee of Parliament or a provincial legislature. In order to give effect to the above, the questionnaire for the declaration of interests in the tender of persons in service of state in part T2 of this procurement document must be completed.
8	Awards to close family members of persons in the service of the state Accept that the notes to the Employer's annual financial statements must disclose particulars of any award of more than R2000 to a person who is a spouse, child, or parent of a person in the service of the state (defined in clause 8 above), or has been in the service of the state in the previous twelve months, including - - the name of that person; - the capacity in which that person is in the service of the state; and - the amount of the award. In order to give effect to the above, the questionnaire for the declaration of interests in the tender of persons in service of state in part T2 of this procurement document must be completed.
9	Respond to requests from the tenderer The employer will respond to requests for clarification up to 5 (five) working days before the tender closing time.
10	Opening of tender submissions Tenders will be opened immediately after the closing time for tenders
11	Scoring quality / functionality: Not applicable to this tender
12	Cancellation and re-invitation of tenders An organ of state may, prior to the award of the tender, cancel the tender if- - due to changed circumstances, there is no longer a need for the services, works or goods requested; or - funds are no longer available to cover the total envisaged expenditure; or - no acceptable tenders are received. - Tender validity period has expired.

	(e) Gross irregularities in the tender processes and/or tender documents. (f) No market related offer received (after attempts of negotiation processes) Where applicable, the decision to cancel the tender will be published in on the Tender Notice Board of the SCM Department and if applicable, on the CIDB website and in the Tender Bulletin or the media in which the original tender invitation as advertised.
13	Dispute resolution mechanism will be done through the SCM Department and thereafter the Adjudication route.
14	The department, when it takes action against the tenderer or person awarded the contract on a fraudulent basis, considers the provisions of Regulation 14: The remedies provided for in Preferential Procurement Regulations 2022 do not prevent an institution from instituting remedies arising from any other prescripts or contract.
15	Where the employer terminates the contract due to default of the contractor in whole or in part, the employer may decide to: a) Refer the breach in contract to the CIDB for investigation as a breach of the CIDB Code of Conduct in terms of the CIDB Regulations; or b) may impose a restriction penalty on the contractor in terms of Section 14 of the Preferential Procurement Regulations. The outcomes of such investigations in terms of both the CIDB Regulations and the Preferential Procurement Regulations may prohibit the contractor from doing business with the public sector for a period not exceeding 10 years.

PART T2 RETURNABLE DOCUMENTS

ASSESSMENT OF STAGE 1 ADMINISTRATIVE REQUIREMENTS - MANDATORY AND NON-MANDATORY REQUIREMENTS:

The bidder shall not proceed to the next stage of evaluation if the bidder fails to submit all the mandatory information as listed here below:

BIDDER TO INDICATE BELOW IF MANDATORY AND NON-MANDATORY DOCUMENTS WERE SUBMITTED WITH TENDER:

	DOCUMENTS TO BE SUBMITTED WITH BID:	YES	NO
1.	SBD 1 Part A and Part B (In the case of a joint venture, separate SBD1 forms in respect of each partner must be completed and submitted)		
2.	Compulsory enterprise questionnaire (In the case of a joint venture, separate enterprise questionnaires in respect of each partner must be completed and submitted).		
3.	SBD 4 Declaration of interest (In the case of a joint venture, separate SBD4 forms in respect of each partner must be completed and submitted)		
4.	Record of addenda issued (Only if addenda is issued)		
5.	Proposed amendments and qualifications		
6.	Resolution for Signatory (mandatory) (In the case of a joint venture, separate resolution for signatory forms in respect of each partner must be completed and submitted)		
7.	Certificate of authority for joint ventures (Only where the tender/ quotation is submitted by a joint venture) (mandatory)		
8.	Schedule of Proposed Subcontractors		
9.	Particulars of a specialist subcontractor for registration as an electrical contractor. (Mandatory)		
10.	A qualified electrician with a trade certificate issued by the Department of labour or any of the SETAs (mandatory).		
11.	Proof of registration as a registered person in the category: Installation Electrician (Mandatory)		
12.	Particulars of a specialist subcontractor: Roof installation Certificate of Compliance.		
13.	SBD 6.1 Preference points claim form in terms of the Preferential procurement regulations 2022		
14.	Proof of Registration on the National Treasury Central Supplier Data Base (CSD) Full CSD report)		
15.	Valid CIDB Certificate of Tenderer (In the case of a joint venture, separate CIDB certificate in respect of each partner must be completed and submitted)		
16.	Valid Department of Labour COIDA or FEM Letter of Good Standing Certificate (mandatory) (In the case of a joint venture, separate COIDA or FEM letter in respect of each partner must be completed and submitted)		
17.	Proof of Specific Goals Claimed		

18.	Protection of personal content: Consent POPIA		
19.	Part C1.1 Form of Offer and Acceptance (Fully signed and completed) (mandatory)		
20.	Part C1.2 Contract Data		
21.	Part C2.2 Bills of Quantities (Fully priced) (Handwritten Priced. Not typed and no correction liquid) (mandatory)		
	Other documents required for tender evaluation. (To be verified during In-loco inspections)		
22.	List of resources, Plant & Equipment to execute the service.		
23.	List of Projects completed of a similar nature with details of the Clients, Scope, Values, and dates of completion, with copies of Practical, Works and or Final Completion Certificates attached as Portfolio of evidence.		

SIGNATURE OF BIDDER:

DATE:

.....

.....

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

PART T2.1: LIST OF RETURNABLE DOCUMENTS

T2.1 List of Returnable Documents

The tenderer must complete the following returnable documents:

1 Returnable Schedules required for bid/quotation evaluation purposes.

- 1) SBD 1 Part A and Part B (In the case of a joint venture, separate SBD1 forms in respect of each partner must be completed and submitted)
- 2) Compulsory enterprise questionnaire (In the case of a joint venture, separate enterprise questionnaires in respect of each partner must be completed and submitted).
- 3) SBD 4 (In the case of a joint venture, separate SBD4 forms in respect of each partner must be completed and submitted)
- 4) Record of addenda issued (Only if addenda is issued) .
- 5) Proposed amendments and qualifications.
- 6) Resolution for Signatory (In the case of a joint venture, separate resolution of signatory forms in respect of each partner and the joint venture must be completed and submitted) **(mandatory)**
- 7) Certificate of authority for joint ventures (Only where the tender/ quotation is submitted by a joint venture) **(mandatory)**
- 8) Schedule of Proposed Subcontractors
- 9) Particulars of a specialist subcontractor (Certificate of registration as an electrical contractor) of registration Electrical **(mandatory)**.
- 10) Proof of registration as a registered person in the category: Installation Electrician **(mandatory)**
- 11) A qualified electrician with a trade certificate issued by the Department of labour or any of the SETAs **(mandatory)**.
- 12) Particulars of a specialist subcontractor: Roof installation Certificate of Compliance.**(not mandatory)**
- 13) SBD 6.1 Preference points claim form in terms of the Preferential procurement regulations 2022 **(not mandatory)**
- 14) Proof of Registration on the National Treasury Central Supplier Data Base (CSD) A CSD Registration Report (Full report not just the summary) for a contractor with valid and correct information
- 15) Valid CIDB Certificate of Tenderer (In the case of a joint venture, separate CIDB Certificates in respect of each partner must be completed and submitted)
- 16) Valid Department of Labour COIDA or FEM Letter of Good Standing Certificate. (In the case of a joint venture, separate COIDA or FEM letter in respect of each partner must be completed and submitted)
- 17) Proof of Specific Goals Claimed
- 18) Protection of personal content: Consent POPIA
- 19) Part C1.1 Form of Offer and Acceptance **(mandatory)**
- 20) Part C1.2 Contract Data
- 21) Part C2.2 Bills of Quantities **(Handwritten Priced. Not typed and no correction fluid) (mandatory)**

2 Other documents required for bid/quotation evaluation purposes.

- 22) List of resources, Plant & Equipment to execute the service.
- 23) List of Projects completed of a similar nature with details of the Clients, Scope, Values, and dates of completion, with copies of Practical, Works and or Final Completion Certificates attached as Portfolio of evidence.

3 Returnable Schedules that will be incorporated into the contract

- 24) SBD 1 (In the case of a joint venture, separate SBD1 forms in respect of each partner must be completed and submitted).
- 25) SBD 4 (In the case of a joint venture, separate SBD4 forms in respect of each partner must be completed and submitted).
- 26) SBD 6.1 Preference points claim form in terms of the Preferential procurement regulations 2022
- 27) Proposed amendments and qualifications.
- 28) Specialist Work: Electrical Installation. A qualified electrician with a trade test certificate or a technician with a diploma in electrical engineering (mandatory).
- 29) Protection of personal content: Consent
- 30) Valid CIDB Certificate of Tenderer
- 31) Valid Department of Labour COIDA or FEM Letter of Good Standing Certificate.
- 32) Proof of Specific Goals Claimed
- 33) Part C1.1 Form of Offer and Acceptance
- 34) Part C1.2 Contract Data
- 35) Part C2.2 Bills of Quantities (Fully priced) (Handwritten Priced. Not typed and no correction liquid).

PART A INVITATION TO BID

YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF THE (NAME OF DEPARTMENT/ PUBLIC ENTITY)					
BID NUMBER:	SCMU3-25/26-0212-JG	CLOSING DATE:	26 SEPTEMBER 2025	CLOSING TIME:	11:00
DESCRIPTION	"REPAIRS, RENOVATIONS AND REFURBISHMENT TO SIX (6) FACILITIES IN JOE QQABI DISTRICT – WALTER SISULU AND SENQU SUB - DISTRICTS"				
BID RESPONSE DOCUMENTS MAY BE DEPOSITED IN THE BID BOX SITUATED AT (STREET ADDRESS)					
EASTERN CAPE DEPARTMENT OF HEALTH					
GLOBAL LIFE CENTRE, SCM UNIT, C/O PHALO AVENUE AND R63 (OPPOSITE ENGINE GARAGE), BHISHO					
BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO			TECHNICAL ENQUIRIES MAY BE DIRECTED TO:		
CONTACT PERSON	Thabisa Notshe		CONTACT PERSON	Thabisa Notshe	
TELEPHONE NUMBER	040 608 9501		TELEPHONE NUMBER	040 608 9501	
FACSIMILE NUMBER	N/A		FACSIMILE NUMBER	N/A	
E-MAIL ADDRESS	thabisa.notshe@echealth.gov.za		E-MAIL ADDRESS	thabisa.notshe@echealth.gov.za	
SUPPLIER INFORMATION					
NAME OF BIDDER					
POSTAL ADDRESS					
STREET ADDRESS					
TELEPHONE NUMBER	CODE		NUMBER		
CELLPHONE NUMBER					
FACSIMILE NUMBER	CODE		NUMBER		
E-MAIL ADDRESS					
VAT REGISTRATION NUMBER					
SUPPLIER COMPLIANCE STATUS	TAX COMPLIANCE SYSTEM PIN:		OR	CENTRAL SUPPLIER DATABASE No:	MAAA
1. ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS /SERVICES OFFERED?	☐ Yes ☐ No [IF YES ENCLOSE PROOF]		2. ARE YOU A FOREIGN BASED SUPPLIER FOR THE GOODS /SERVICES OFFERED?	☐ Yes ☐ No [IF YES, ANSWER THE QUESTIONNAIRE BELOW]	
QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS					
IS THE ENTITY A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)?				☐ YES ☐ NO	
DOES THE ENTITY HAVE A BRANCH IN THE RSA?				☐ YES ☐ NO	
DOES THE ENTITY HAVE A PERMANENT ESTABLISHMENT IN THE RSA?				☐ YES ☐ NO	
DOES THE ENTITY HAVE ANY SOURCE OF INCOME IN THE RSA?				☐ YES ☐ NO	
IS THE ENTITY LIABLE IN THE RSA FOR ANY FORM OF TAXATION?				☐ YES ☐ NO	
IF THE ANSWER IS "NO" TO ALL OF THE ABOVE, THEN IT IS NOT A REQUIREMENT TO REGISTER FOR A TAX COMPLIANCE STATUS SYSTEM PIN CODE FROM THE SOUTH AFRICAN REVENUE SERVICE (SARS) AND IF NOT REGISTER AS PER 2.3 BELOW.					

PART B TERMS AND CONDITIONS FOR BIDDING

1. BID SUBMISSION:
1.1. BIDS MUST BE DELIVERED BY THE STIPULATED TIME TO THE CORRECT ADDRESS. LATE BIDS WILL NOT BE ACCEPTED FOR CONSIDERATION. 1.2. ALL BIDS MUST BE SUBMITTED ON THE OFFICIAL FORMS PROVIDED (NOT TO BE RE-TYPED) OR IN THE MANNER PRESCRIBED IN THE BID DOCUMENT. 1.3. THIS BID IS SUBJECT TO THE PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT, 2000 AND THE PREFERENTIAL PROCUREMENT REGULATIONS, THE GENERAL CONDITIONS OF CONTRACT (GCC) AND, IF APPLICABLE, ANY OTHER SPECIAL CONDITIONS OF CONTRACT. 1.4. THE SUCCESSFUL BIDDER WILL BE REQUIRED TO FILL IN AND SIGN A WRITTEN CONTRACT FORM (SBD7).
2. TAX COMPLIANCE REQUIREMENTS
2.1 BIDDERS MUST ENSURE COMPLIANCE WITH THEIR TAX OBLIGATIONS. 2.2 BIDDERS ARE REQUIRED TO SUBMIT THEIR UNIQUE PERSONAL IDENTIFICATION NUMBER (PIN) ISSUED BY SARS TO ENABLE THE ORGAN OF STATE TO VERIFY THE TAXPAYER'S PROFILE AND TAX STATUS. 2.3 APPLICATION FOR TAX COMPLIANCE STATUS (TCS) PIN MAY BE MADE VIA E-FILING THROUGH THE SARS WEBSITE WWW.SARS.GOV.ZA. 2.4 BIDDERS MAY ALSO SUBMIT A PRINTED TCS CERTIFICATE TOGETHER WITH THE BID. 2.5 IN BIDS WHERE CONSORTIA / JOINT VENTURES / SUB-CONTRACTORS ARE INVOLVED; EACH PARTY MUST SUBMIT A SEPARATE TCS CERTIFICATE / PIN / CSD NUMBER. 2.6 WHERE NO TCS PIN IS AVAILABLE BUT THE BIDDER IS REGISTERED ON THE CENTRAL SUPPLIER DATABASE (CSD), A CSD NUMBER MUST BE PROVIDED. 2.7 NO BIDS WILL BE CONSIDERED FROM PERSONS IN THE SERVICE OF THE STATE, COMPANIES WITH DIRECTORS WHO ARE PERSONS IN THE SERVICE OF THE STATE, OR CLOSE CORPORATIONS WITH MEMBERS PERSONS IN THE SERVICE OF THE STATE."

NB: FAILURE TO PROVIDE / OR COMPLY WITH ANY OF THE ABOVE PARTICULARS MAY RENDER THE BID INVALID.

SIGNATURE OF BIDDER:

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

DATE:

Compulsory Enterprise questionnaire

The following particulars must be furnished. In the case of a joint venture, separate enterprise questionnaires in respect of each partner must be completed and submitted.		
Section 1: Name of enterprise:		
Section 2: VAT registration number, if any:		
Section 3: CIDB registration number, if any:		
Section 4: Particulars of sole proprietors and partners in partnerships		
Name*	Identity number*	Personal income tax number*
<i>* Complete only if sole proprietor or partnership and attach separate page if more than 3 partners</i>		
Section 5: Particulars of companies and close corporations		
Company registration number		
Close corporation number Tax reference number		
Section 6: The attached SBD 4 must be completed for each tender and be attached as a tender requirement.		
Section 7: The attached SBD 6.1 must be completed for each tender and be attached as a requirement.		
The undersigned, who warrants that he / she is duly authorized to do so on behalf of the enterprise:		
i) authorizes the Employer to obtain a tax clearance certificate from the South African Revenue Services that my / our tax matters are in order;		
ii) confirms that the neither the name of the enterprise or the name of any partner, manager, director or other person, who wholly or partly exercises, or may exercise, control over the enterprise appears on the Register of Tender Defaulters established in terms of the Prevention and Combating of Corrupt Activities Act of 2004; iii) confirms that no partner, member, director or other person, who wholly or partly exercises, or may exercise, control over the enterprise appears, has within the last five years been convicted of fraud or corruption;		
iv) confirms that I / we are not associated, linked or involved with any other tendering entities submitting tender offers and have no other relationship with any of the tenderers or those responsible for compiling the scope of work that could cause or be interpreted as a conflict of interest; and		
iv) confirms that the contents of this questionnaire are within my personal knowledge and are to the best of my belief both true and correct.		

Signed

Date

Name

Position

SBD 4 BIDDER'S DISCLOSURE

1. PURPOSE OF THE FORM

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

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

2. Bidder's declaration

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

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

Full Name	Identity Number	Name of State institution

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

- 2.2.1 If so, furnish particulars:

.....

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

- 2.3.1 If so, furnish particulars:

.....

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

3 DECLARATION

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

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

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

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

.....
Signature

.....
Date

.....
Position

.....
Name of bidder

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.**

RECORD OF ADDENDA TO BID DOCUMENTS

BID DESCRIPTION	“REPAIRS, RENOVATIONS AND REFURBISHMENT TO SIX (6) FACILITIES IN JOE GQABI DISTRICT – WALTER SISULU AND SENQU SUB - DISTRICTS”		
SCMU NUMBER	SCMU3-25/26-0212-JG		
I / We confirm that the following communications received from the Department of Health before the submission of this tender offer, amending the tender documents, have been taken into account in this bid offer: (Attach additional pages if more space is required)			
Item	Date	Title or Details	No. of Pages
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

Attach additional pages if more space is required.

Signed _____ Date _____

Name _____ Position _____

Enterprise name _____

PROPOSED AMENDMENTS AND QUALIFICATIONS

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

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

BID DESCRIPTION	"REPAIRS, RENOVATIONS AND REFURBISHMENT TO SIX (6) FACILITIES IN JOE GQABI DISTRICT – WALTER SISULU AND SENQU SUB - DISTRICTS"
SCMU NUMBER	SCMU3-25/26-0212-JG

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

Signed

Date

Name

Position

Enterprise name

RESOLUTION FOR SIGNATORY

BID DESCRIPTION	“REPAIRS, RENOVATIONS AND REFURBISHMENT TO SIX (6) FACILITIES IN JOE GQABI DISTRICT – WALTER SISULU AND SENQU SUB - DISTRICTS”
SCMU NUMBER	SCMU3-2526-0212-JG

A: CERTIFICATE OF AUTHORITY FOR SIGNATORY

Signatory for companies shall confirm their authority hereto by attaching a duly signed and dated copy of the relevant resolution of the board of directors **on company letterhead**.

An example is given below:

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

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

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

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

SIGNED ON BEHALF OF THE COMPANY: _____

IN HIS/HER CAPACITY AS: _____

DATE: _____

SIGNATURE OF SIGNATORY: _____

WITNESSES:

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

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

CERTIFICATE OF AUTHORITY FOR JOINT VENTURES

This Returnable Schedule is to be treated as an example, a duly signed and dated copy of the relevant resolution of the joint venture to be **on company letterhead**.

We, the undersigned, are submitting this tender offer in Joint Venture and hereby authorize Mr/Ms
, authorized signatory of the company
, acting in the capacity of lead partner, to
 sign all documents in connection with the tender offer and any contract resulting from it on our behalf.

BID DESCRIPTION	“REPAIRS, RENOVATIONS AND REFURBISHMENT TO SIX (6) FACILITIES IN JOE GQABI DISTRICT – WALTER SISULU AND SENQU DISTRICTS”
SCMU NUMBER	SCMU3-2526-0212-JG

NAME OF FIRM	PERCENTAGE SPLIT IN CONSORTIA/JV AS PER CONSORTIA/JV AGREEMENT AND SPECIFIC GOAL POINTS CLAIMED	ADDRESS	DULY AUTHORISED SIGNATORY
Lead partner:	 %		Signature. Name Designation..... ...
.....	 %		Signature. Name Designation..... ...
.....	 %		Signature. Name Designation..... ...
.....	 %		Signature. Name Designation..... ...

SCHEDULE OF PROPOSED SUBCONTRACTORS

BID DESCRIPTION	“REPAIRS, RENOVATIONS AND REFURBISHMENT TO SIX (6) FACILITIES IN JOE GQABI DISTRICT – WALTER SISULU AND SENQU SUB - DISTRICTS”
SCMU NUMBER	SCMU3-2526-0212-JG
We notify you that it is our intention to employ the following Subcontractors for work in this contract. The Subcontractors will all be CIDB registered and their CIDB Registration number shall be submitted below. This should also be declared on SBD 6.1 form. If we are awarded a contract, we agree that this notification does not change the requirement for us to submit the names of proposed subcontractors in accordance with requirements in the contract for such appointments. If there are no such requirements in the contract, then your written acceptance of this list shall be binding between us. We confirm that all subcontractors who are or to be contracted are registered on Central Supplier Database (CSD). In an event when the main bidder intends to undertake the specialists work (subcontracted work), therefore a bidder is expected to fill in their details on the table below.	

No.	Name and address of proposed Subcontractor	Sub-Contractor CIDB Grading	Sub-Contractor CIDB No.	Nature, extent of work, Year completed, Value of sub-contract	Contact details: Name of person and phone No.
1					
2					
3					

4					
The undersigned, who warrants that she/ he is duly authorised to do so on behalf of the enterprise, confirms that the content of this schedule that presented by the tenderer are within my personal knowledge and are to the best of my knowledge both true and correct					

Signed

Date

Name

Position

Enterprise name

PARTICULARS OF SPECIALIST SUBCONTRACTOR: ELECTRICAL

Project Name:	“REPAIRS, RENOVATIONS AND REFURBISHMENT TO SIX (6) FACILITIES IN JOE GQABI DISTRICT – WALTER SISULU AND SENQU SUB - DISTRICT”
Tender No:	SCMU3-2526-0212-JG

In an event when the main bidder intends to undertake the specialists work (subcontracted work), therefore a bidder is expected to fill in their details on this section.

Name of Specialist Subcontractor:	
Address:	
Specialist Subcontractor registration number: if applicable	
Registration body/ association:	

Bidders are required to provide contactable references as below.

NAME OF EMPLOYER	NAME OF PROJECT	CONTRACT PERIOD (Start and End Date)	VALUE OF WORK	REFERENCE NAME AND CONTACT NUMBER
Certificate of registration as an electrical contractor			Yes	No
Qualified Electrician CV attached which includes a Trade Test certificate or a diploma in electrical engineering (Mandatory) (Mark with a X)			Yes	No

Signed Date

Name Position

Enterprise name.....

PARTICULARS OF SPECIALIST SUBCONTRACTOR: ROOF INSTALLATION

Project Name:	“REPAIRS, RENOVATIONS AND REFURBISHMENT TO SIX (6) FACILITIES IN JOE GQABI DISTRICT – WALTER SISULU AND SENQU SUB – SUB - DISTRICTS”
Tender No:	SCMU3-2526-0212-JG

In an event when the main bidder intends to undertake the specialists work (subcontracted work), therefore a bidder is expected to fill in their details on this section.

Name of Specialist Subcontractor:			
Address:			
Specialist Subcontractor registration number: if applicable			
Roof Installation Certificate of Compliance	Yes	No	

Bidders are required to provide contactable references as below.

NAME OF EMPLOYER	NAME OF PROJECT	CONTRACT PERIOD (Start and End Date)	VALUE OF WORK	REFERENCE NAME AND CONTACT NUMBER
Specialist Subcontractors CV attached. (Mark with a X)			Yes	No

Signed Date

Name Position

Tenderer.....

SBD 6.1

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

BID DESCRIPTION	“REPAIRS, RENOVATIONS AND REFURBISHMENT TO SIX (6) FACILITIES IN JOE GQABI DISTRICT – WALTER SISULU AND SENQU SUB - DISTRICTS”
SCMU NUMBER	SCMU3-2526-0212-JG

This preference form must form part of all tenders invited. It contains general information and serves as a claim form for preference points for specific goals.

NB: BEFORE COMPLETING THIS FORM, TENDERERS MUST STUDY THE GENERAL CONDITIONS, DEFINITIONS AND DIRECTIVES APPLICABLE IN RESPECT OF THE TENDER AND PREFERENTIAL PROCUREMENT REGULATIONS, 2022

1. GENERAL CONDITIONS

1.1 The following preference point systems are applicable to invitations to tender:

- the 80/20 system for requirements with a Rand value of up to R50 000 000 (all applicable taxes included); and
- the 90/10 system for requirements with a Rand value above R50 000 000 (all applicable taxes included).

1.2 **To be completed by the organ of state**

(delete whichever is not applicable for this tender).

The applicable preference point system for this tender is the 80/20 preference point system.

The lowest/ ~~highest~~ acceptable tender will be used to determine the accurate system once tenders are received.

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

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

1.4 **To be completed by the organ of state:**

The maximum points for this tender are allocated as follows:

	POINTS
PRICE	80
SPECIFIC GOALS	20
Total points for Price and SPECIFIC GOALS	100

1.5 Failure on the part of a tenderer to submit proof or documentation required in terms of this tender to claim points for specific goals with the tender, will be interpreted to mean that preference points for specific goals are not claimed.

- 1.6 The organ of state reserves the right to require of a tenderer, either before a tender is adjudicated or at any time subsequently, to substantiate any claim in regard to preferences, in any manner required by the organ of state.

2. DEFINITIONS

- (a) **“tender”** means a written offer in the form determined by an organ of state in response to an invitation to provide goods or services through price quotations, competitive tendering process or any other method envisaged in legislation;
- (b) **“price”** means an amount of money tendered for goods or services, and includes all applicable taxes less all unconditional discounts;
- (c) **“rand value”** means the total estimated value of a contract in Rand, calculated at the time of bid invitation, and includes all applicable taxes;
- (d) **“tender for income-generating contracts”** means a written offer in the form determined by an organ of state in response to an invitation for the origination of income-generating contracts through any method envisaged in legislation that will result in a legal agreement between the organ of state and a third party that produces revenue for the organ of state, and includes, but is not limited to, leasing and disposal of assets and concession contracts, excluding direct sales and disposal of assets through public auctions; and
- (e) **“the Act”** means the Preferential Procurement Policy Framework Act, 2000 (Act No. 5 of 2000).

3. FORMULAE FOR PROCUREMENT OF GOODS AND SERVICES

3.1. POINTS AWARDED FOR PRICE

3.1.1 THE 80/20 PREFERENCE POINT SYSTEMS

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

80/20

$$Ps = 80 \left(1 - \frac{Pt - Pmin}{Pmin} \right)$$

Where

Ps = Points scored for price of tender under consideration

Pt = Price of tender under consideration

Pmin = Price of lowest acceptable tender

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

3.2.1. POINTS AWARDED FOR PRICE

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

80/20

$$Ps = 80 \left(1 + \frac{Pt - Pmax}{Pmax} \right)$$

Where

Ps = Points scored for price of tender under consideration

Pt = Price of tender under consideration

Pmax = Price of highest acceptable tender

4. POINTS AWARDED FOR SPECIFIC GOALS

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

preference points must be awarded for specific goals stated in the tender. For the purposes of this tender the tenderer will be allocated points based on the goals stated in table 1 below as may be supported by proof/ documentation stated in the conditions of this tender:

- 4.2. In cases where organs of state intend to use Regulation 3(2) of the Regulations, which states that, if it is unclear whether the 90/10 preference point system applies, an organ of state must, in the tender documents, stipulate in the case of—
- (a) an invitation for tender for income-generating contracts, that either the 90/10 preference point system will apply and that the highest acceptable tender will be used to determine the applicable preference point system; or
 - (b) any other invitation for tender, that either the 90/10 preference point system will apply and that the lowest acceptable tender will be used to determine the applicable preference point system,
- then the organ of state must indicate the points allocated for specific goals for both the 90/10 preference point system.

Table 1: Specific goals for the tender and points claimed are indicated per the table below.

(Note to organs of state: Where either the 90/10 preference point system is applicable, corresponding points must also be indicated as such.

Note to tenderers: The tenderer must indicate how they claim points for each preference point system).

Bidders who are not from Eastern Cape will not be able to claim points on locality.

The specific goals allocated points in terms of this tender	Number of points allocated (80/20 system) (To be completed by the organ of state)	Number of points claimed (80/20 system) (To be completed by the tenderer)
Historically Disadvantaged Individuals Ownership	25% (5)	
Women Ownership	20% (4)	
Youth Ownership	20% (4)	
Disability Ownership	20% (4)	
Military Veterans Ownership	5% (1)	
Locality (Eastern Cape)	10% (2)	
TOTAL	100% (20)	

CONSORTIA / JOINT VENTURES

* In the event that Specific Goal Points are claimed for members by **Consortia / Joint Ventures** refer to SPECIFIC GOALS POINT – GUIDING WORKING PAPERS TO ASSIST THE BIDDER

DECLARATION WITH REGARD TO COMPANY/FIRM

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

4.4. Company registration number:

4.5. TYPE OF COMPANY/ FIRM

- ☐ Partnership/Joint Venture / Consortium
- ☐ One-person business/sole propriety
- ☐ Close corporation
- ☐ Public Company
- ☐ Personal Liability Company
- ☐ (Pty) Limited
- ☐ Non-Profit Company
- ☐ State Owned Company

[TICK APPLICABLE BOX]

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

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

..... SIGNATURE(S) OF BIDDER(S)	
SURNAME AND NAME:	
DATE:	
ADDRESS:	
	

SPECIFIC GOALS POINT - GUIDING WORKING PAPERS TO ASSIST THE BIDDER

Table 1: Consortia/Joint-Venture Percentage Split

In the event that Specific Goal Points are claimed for members by consortia / joint ventures, the following information must be furnished in order to be entitled to the points claimed in respect of the member:

(If more than 3 Members the Bidder can submit a comprehensive table for all Members as per below example)

Bidders who are not from Eastern Cape will not be able to claim points on locality.

	Consortia/JV Member 1 Company Name:	Consortia/JV Member 2 Company Name:	Consortia/JV Member 3 Company Name:	TOTAL
Percentage Split in Consortia/JV as per Consortia/JV Agreement and Certificate of authority	%	%	%	100%

Table 2: Consortia/Joint Venture Specific Goal Points Claim

In the event that Specific Goal Points are claimed for members by consortia / joint ventures, the following information must be furnished in order to be entitled to the points claimed in respect of the member:

(If more than 3 Members the Bidder can submit a comprehensive table for all Members as per below example)

The specific goals allocated points in terms of this tender	Number of points allocated (80/20 system) (To be complete d by the organ of state)	JV/Consortia Member 1 Company Name: Number of points claimed (80/20 system)	JV/Consortia Member 2 Company Name: Number of points claimed (80/20 system)	JV/Consortia Member 3 Company Name: Number of points claimed (80/20 system)	Total number of points claimed by JV/Consortia
Historically Disadvantaged Individuals Ownership	25% (5)				
Women Ownership	20% (4)				
Youth Ownership	20% (4)				
Disability Ownership	20% (4)				
Military Veterans Ownership	5% (1)				
Locality (Eastern Cape)	10% (2)				
TOTAL	100% (20)				

Table 3: Detailed description and definition of various categories of the specific goal points that can be claimed.

No.	Detailed description and definition of various categories	Portfolio of Evidence as part of the returnables
1	Historically Disadvantaged Individuals Ownership: [Historically Disadvantaged Individual (HDI). Means a South African citizen who, due to the apartheid policy that had been in place, had no franchise in national elections prior to the introduction of the Constitution of the Republic of South Africa, 1983 (Act No. 110 of 1983) or the Constitution of the Republic of South Africa, 1993 (Act No. 200 of 1993) ("The Interim Constitution") and /or Who is a female; and/or Who has a disability]. A South African ID number is a 13-digit number which is defined by the following format: YYMMDDSSSCAZ. • The first 6 digits (YYMMDD) are based on your date of birth. 20 February 1992 is displayed as 920220. • The next 4 digits (SSSS) are used to define your gender. Females are assigned numbers in the range 0000-4999 and males from 5000-9999. • The next digit (C) shows if you're an SA citizen status with 0 denoting that you were born a SA citizen and 1 denoting that you're a permanent resident.	1) Proof of ownership (CIPRO certificate) with id no. 2) Proof of ownership (CSD report) with id no. 3) Certified copy of ID of all owners.
2	Women Ownership: A South African ID number is a 13-digit number which is defined by the following format: YYMMDDSSSCAZ. • The first 6 digits (YYMMDD) are based on your date of birth. 20 February 1992 is displayed as 920220. • The next 4 digits (SSSS) are used to define your gender. Females are assigned numbers in the range 0000-4999 and males from 5000-9999.	1) Proof of ownership (CIPRO certificate) with id no. 2) Proof of ownership (CSD report) with id no. 3) Certified copy of ID of all owners.
3	Military Veterans Ownership: According to the 2011 Military Veterans act, a military veteran is any South African who rendered military service to any of the military organisations, former statutory and liberation armies, which were involved on all sides of South Africa's liberation war from 1960 to 1993; served in the then Union Defence Force.	1) Proof of ownership (CIPRO certificate) with id no. with valid proof of veteran status. 2) Proof of ownership (CSD report) with id no. with valid proof of veteran status. 3) Certified copy of ID of all owners.

4	Disability Ownership: The CRPD (Convention on the Rights of Persons with Disabilities) defines persons with disabilities to include those who have long term physical, mental, intellectual or sensory impairments, which in interaction with various barriers may hinder their full and effective participation in society on an equal basis.	1)Proof of ownership (CIPRO certificate) with id no. with valid medical documentary proof.
		2)Proof of ownership (CSD report) with id no. with valid medical documentary proof.
		3)Certified copy of ID of all owners.
5	Youth Ownership: Who are Youth in South Africa? The national Youth Policy defines youth as any persons between the ages of 14 and 35 years.	1)Proof of ownership (CIPRO certificate) with id no.
		2)Proof of ownership (CSD report) with id no.
		3)Certified copy of ID of all owners.
6	Locality Ownership: Proof of business address (municipal account or valid lease agreement and 3 rd Party Document)	1) Copy of Municipal billing account with an address in the Eastern Cape Province.
		2)Copy of a Lease Agreement with an address in the Eastern Cape Province.

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

(ATTACH HERE)

**VALID CONSRTRUCTION INDUSTRY DEVELOPMENT BOARD
(CIDB) CERTIFICATE OF A TENDERER
(ATTACH HERE)**

**VALID DEPARTMENT OF LABOUR COIDA LETTER OF GOOD
STANDING CERTIFICATE AND/OR FEM (ATTACH HERE)**

**PROOF OF SPECIFIC GOALS POINTS CLAIMED
(ATTACH HERE)**

Table 2: Detailed description and definition of various categories of the specific goal points that can be claimed.

No.	Detailed description and definition of various categories of	Portfolio of Evidence as part of the returnables
1	Historically Disadvantaged Individuals Ownership: [Historically Disadvantaged Individual (HDI). Means a South African citizen who, due to the apartheid policy that had been in place, had no franchise in national elections prior to the introduction of the Constitution of the Republic of South Africa, 1983 (Act No. 110 of 1983) or the Constitution of the Republic of South Africa, 1993 (Act No. 200 of 1993) ("The Interim Constitution") and /or Who is a female; and/or Who has a disability]. A South African ID number is a 13-digit number which is defined by the following format: YYMMDDSSSSCAZ. • The first 6 digits (YYMMDD) are based on your date of birth. 20 February 1992 is displayed as 920220. • The next 4 digits (SSSS) are used to define your gender. Females are assigned numbers in the range 0000-4999 and males from 5000-9999. • The next digit (C) shows if you're an SA citizen status with 0 denoting that you were born a SA citizen and 1 denoting that you're a permanent resident.	1) Proof of ownership (CIPRO certificate) with id no. 2) Proof of ownership (CSD report) with id no. 3) Certified copy of ID of all owners.
2	Women Ownership: A South African ID number is a 13-digit number which is defined by the following format: YYMMDDSSSSCAZ. • The first 6 digits (YYMMDD) are based on your date of birth. 20 February 1992 is displayed as 920220. • The next 4 digits (SSSS) are used to define your gender. Females are assigned numbers in the range 0000-4999 and males from 5000-9999.	1) Proof of ownership (CIPRO certificate) with id no. 2) Proof of ownership (CSD report) with id no. 3) Certified copy of ID of all owners.
3	Military Veterans Ownership: According to the 2011 Military Veterans act, a military veteran is any South African who rendered military service to any of the military organisations, former statutory and liberation armies, which were involved on all sides of South Africa's liberation war from 1960 to 1993; served in the then Union Defence Force.	1) Proof of ownership (CIPRO certificate) with id no. with valid proof of veteran status. 2) Proof of ownership (CSD report) with id no. with valid proof of veteran status. 3) Certified copy of ID of all owners.

4	Disability Ownership: The CRPD (Convention on the Rights of Persons with Disabilities) defines persons with disabilities to include those who have long term physical, mental, intellectual or sensory impairments, which in interaction with various barriers may hinder their full and effective participation in society on an equal basis.	1)Proof of ownership (CIPRO certificate) with id no. with valid medical documentary proof.
		2)Proof of ownership (CSD report) with id no. with valid medical documentary proof.
		3)Certified copy of ID of all owners.
5	Youth Ownership: Who are Youth in South Africa? The national Youth Policy defines youth as any persons between the ages of 14 and 35 years.	1)Proof of ownership (CIPRO certificate) with id no.
		2)Proof of ownership (CSD report) with id no.
		3)Certified copy of ID of all owners.
6	Locality Ownership: Proof of business address (municipal account or valid lease agreement and 3 rd Party Document)	1) Copy of Municipal billing account with an address in the Eastern Cape Province.
		2)Copy of a Lease Agreement with an address in the Eastern Cape Province.

POPIA

PROTECTION OF PERSONAL INFORMATION: CONSENT (POPIA)

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

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

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

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

AGREEMENT

1. The Department of Health and the Bidder (the Parties) agree and undertake that upon obtaining and having access to personal information relating to either of them, they shall always ensure that:
 - a) They process the information only for the express purpose for which it was obtained.
 - b) Information is provided only to designated and authorized personnel who require the personal information to carry out the Parties' respective obligations in terms of the Procurement processes.
 - c) They will introduce, and implement all reasonable measures ensure the protection of all personal information from unauthorized access and/or use.
 - d) They have taken appropriate measures to safeguard the security, integrity, and authenticity of all personal information in its possession or under its control.
 - e) The Parties agree that if personal information will be processed for any other purpose other than the one for which the accessing of the information was intended, explicit written consent will be obtained prior to the execution of such reason.
 - f) The Parties shall carry out regular assessments to identify all reasonably foreseeable internal and external risks to the interception of personal information in its possession or under its control and shall implement and maintain appropriate controls in mitigation of such risks.
2. The Parties agree that they will promptly return or destroy any personal data in their possession or control which belongs to the other Party once it no longer serves the purpose for which it was collected, subject to any legal retention requirements. The information will be destroyed in such a manner that it cannot be reconstructed to its original form, linking it to any individual or organization.

3. Bidder's Obligations

- a) The Bidder is required to notify the Information Officer of Department of Health, in writing as soon as possible after it becomes aware of or suspects any loss, unauthorized access or unlawful use of any of the Department of Health's personal information.
- b) The Bidder shall, at its own cost, promptly and without delay take all necessary steps to mitigate the extent of the loss or compromise of personal data.
- c) The Bidder shall be required to provide the Department of Health with details of the persons affected by the compromise and the nature and extent of the compromise, including details of the identity (if known) of the unauthorized person who may have accessed or acquired the personal data.
- d) The Bidder undertakes to co-operate with any investigation relating to security breach which is carried out by or on behalf of Department of Health.

On behalf of the Bidder:

.....
Signature

.....
Date

.....
Position

.....
Name of the Bidder

On behalf of the Client:

.....
Signature

.....
Date

.....
Position

.....
Name of Client Representative

DETAILS OF ALL RESOURCES, PLANT AND EQUIPMENT TO EXECUTE THIS SERVICE (ATTACH HERE)

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

This information is required as part of the returnable schedules, which shall not be used as part of elimination evaluation criterion during Stage 1 Admin Compliance, but this information will be checked and verified as part of due diligence Technical Risk Analysis and during the In-LoCo inspections, before Adjudication and award, and should the findings indicate a commercial risk to the Client, the bid shall not be awarded to the highest scoring bidder.

Signed

Date

Name

Position

Name of
Bidder &
Names of JV
Partners

THE CONTRACT

PART C1: AGREEMENTS AND CONTRACT DATA

PART C1.1: FORM OF OFFER AND ACCEPTANCE

FORM OF OFFER AND ACCEPTANCE

Bid Description	"REPAIRS, RENOVATIONS AND REFURBISHMENT TO SIX (6) FACILITIES IN JOE GQABI DISTRICT – WALTER SISULU AND SENQU SUB - DISTRICTS"
SCMU number	SCMU3-2526-0212-JG

OFFER

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

"REPAIRS, RENOVATIONS AND REFURBISHMENT TO SIX (6) FACILITIES IN JOE GQABI DISTRICT – WALTER SISULU AND SENQU DISTRICTS"

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

By the representative of the tenderer, deemed to be duly authorized, signing this part of this form of offer and acceptance, the tenderer offers to perform all of the obligations and liabilities of the contractor under the contract including compliance with all its terms and conditions according to their true intent and meaning for an amount to be determined in accordance with the conditions of contract identified in the contract data.

THE OFFERED TOTAL OF THE PRICES INCLUSIVE OF 15% VALUE ADDED TAX IS

.....
.....

.....Rand (in words) ;

R(in figures) (or
other suitable wording)

This offer may be accepted by the employer by signing the acceptance part of this form of offer and acceptance and returning one copy of this document to the tenderer before the end of the period of validity stated in the tender data, whereupon the tenderer becomes the party named as the contractor in the conditions of contract identified in the contract data.

Signature

.....
Name

Capacity

.....
for the tenderer

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

Name and signature

of witness Date

ACCEPTANCE

By signing this part of this form of offer and acceptance, the employer identified below accepts the tenderer's offer. In consideration thereof, the employer shall pay the contractor the amount due in accordance with the conditions of contract identified in the contract data. Acceptance of the tenderer's

offer shall form an agreement between the employer and the tenderer upon the terms and conditions contained in this agreement and in the contract that is the subject of this agreement.
The terms of the contract, are contained in:

Part C1 Agreements and contract data, (which includes this agreement)
Part C2 Pricing data
Part C3 Scope of work.
Part C4 Site information and drawings and documents or parts thereof, which may be incorporated by reference into the above listed Parts.

Deviations from and amendments to the documents listed in the tender data and any addenda thereto as listed in the returnable schedules as well as any changes to the terms of the offer agreed by the tenderer and the employer during this process of offer and acceptance, are contained in the schedule of deviations attached to and forming part of this form of offer and acceptance. No amendments to or deviations from said documents are valid unless contained in this schedule.

The tenderer shall within 3 weeks after receiving a completed copy of this agreement, including the schedule of deviations (if any), contact the employer's agent (whose details are given in the contract data) to arrange the delivery of any securities, bonds, guarantees, proof of insurance and any other documentation to be provided in terms of the conditions of contract identified in the contract data. Failure to fulfil any of these obligations in accordance with those terms shall constitute a repudiation of this agreement.

Notwithstanding anything contained herein, this agreement comes into effect on the date when the tenderer receives one fully completed original copy of this document, including the schedule of deviations (if any). Unless the tenderer (now contractor) within five working days of the date of such receipt notifies the employer in writing of any reason why he cannot accept the contents of this agreement, this agreement shall constitute a binding contract between the parties.¹

Signature

Name:

Capacity:

Eastern Cape Department of Health

for the Employer

**GLOBAL LIFE CENTRE, SCM UNIT,
C/O PHALO AVENUE AND R63 (OPPOSITE ENGINE GARAGE),
BHISHO**

(ECD_{oH})

Name and signature

of witness Date

Schedule of Deviations

1 Subject _____
Details _____

2 Subject Details

3 Subject Details

By the duly authorized representatives signing this agreement, the employer and the tenderer agree to and accept the foregoing schedule of deviations as the only deviations from and amendments to the documents

listed in the tender data and addenda thereto as listed in the tender schedules, as well as any confirmation, clarification, or changes to the terms of the offer agreed by the tenderer and the employer during this process of offer and acceptance.

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

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

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

PART C1.2: CONTRACT DATA

The Joint Building Contracts Committee® - NPC CONTRACT DATA For use by ORGANS OF STATE and other PUBLIC SECTOR BODIES Principal Building Agreement Edition 6.2 - May 2024

A PROJECT INFORMATION

A1.0 Works [1.1]

Project name	“REPAIRS, RENOVATIONS AND REFURBISHMENT TO SIX (6) FACILITIES IN JOE GQABI DISTRICT – WALTER SISULU AND SENQU SUB - DISTRICTS”
Reference number	SCMU3-2526-0212-JG
Works description	Refer to document C3 – Scope of Work

A2.0 Site [1.1]

Erf / stand number	Refer to document C4 – Site Information
Township / Suburb	
Site address	Refer to document C4 – Site Information
Local authority	Joe Gqabi District Municipality

A3.0 Employer [1.1]

Official Name of Organ of State / Public Sector Body	Eastern Cape Department of Health
Business registration number	N/A
VAT/ number	N/A
Country	South Africa
Employer's representative: Name	
Telephone number	

Physical address	DEPARTMENT OF HEALTH, GLOBAL LIFE CENTRE, SCM UNIT, C/O PHALO AVENUE AND R63 (OPPOSITE ENGEN GARAGE), BHISHO 5605

A4.0 Principal Agent [1.1]

Name	Kufanikiwa Consulting		
Legal entity of above	Kufanikiwa Consulting	Contact person	Allen Dzuda
Practice number	24741898	Telephone number	031 701 1038
		Mobile number	
Country	South Africa	E-mail	Pmu1@kufanikiwa.co.za
Postal address	7 Meaker Street, Mthatha	Postal Code	5099
Physical address	7 Meaker Street, Mthatha	Postal Code	5099

A5.0 Agent [1.1]

Discipline	Architect		
Name	Kufanikiwa Consulting		
Legal entity of above	Kufanikiwa Consulting	Contact person	Somers Govender
Practice number	Pr.Arch 5913	Telephone number	031 201 6609
		Mobile number	
Country	South Africa	E-mail	somers@artek4.co.za
Postal address	46 Lena Ahrens Road, Glenwood, Durban	Postal Code	4001
Physical address	46 Lena Ahrens Road, Glenwood, Durban	Postal Code	4001

A6.0 Agent [1.1]

Discipline	Quantity Surveyor		
Name	Kufanikiwa Consulting		
Legal entity of above	Kufanikiwa Consulting	Contact person	Anele Golifili
Practice number	PrQS 3554	Telephone number	031 701 1038
		Mobile number	
Country	South Africa	E-mail	agolifili@gmail.com
Postal address	7 Meaker Street, Mthatha	Postal Code	5099
Physical address	7 Meaker Street, Mthatha	Postal Code	5099

A7.0 Agent [1.1]

Discipline	Civil Engineer		
Name	Kufanikiwa Consulting		
Legal entity of above	Kufanikiwa Consulting	Contact person	Vhuso Mwafuka
Practice number	20190956	Telephone number	031 7011038
		Mobile number	
Country	South Africa	E-mail	Pmu1@kufanikiwa.co.za
Postal address	7 Meaker Street, Mthatha	Postal Code	5099
Physical address	7 Meaker Street, Mthatha	Postal Code	5099

A9.0 Agent [1.1]

Discipline	Electrical Engineer		
Name	Kufanikiwa Consulting		
Legal entity of above	Kufanikiwa Consulting	Contact person	Tawanda Trevor Muchera
Practice number	2024301885	Telephone number	031 701 1038
		Mobile number	
Country	South Africa	E-mail	Pmu1@kufanikiwa.co.za
Postal address	7 Meaker Street, Mthatha	Postal Code	5099
Physical address	7 Meaker Street, Mthatha	Postal Code	5099

A10.0 Agent [1.1]

Discipline	Mechanical Engineer		
Name	Kufanikiwa Consulting		
Legal entity of above	Kufanikiwa Consulting	Contact person	Benson Mseleku
Practice number		Telephone number	031 701 1038
		Mobile number	
Country	South Africa	E-mail	Pmu1@kufanikiwa.com
Postal address	7 Meaker Street, Mthatha	Postal Code	5099
Physical address	7 Meaker Street, Mthatha	Postal Code	5099

A11.0 Agent [1.1]

Discipline	Occupational Health and Safety		
Name	Kufanikiwa Consulting		
Legal entity of above	Kufanikiwa Consulting	Contact person	Sikhumbuzo Sikhosana
Practice number	CHSA/159/2024	Telephone number	031 701 1038
		Mobile number	
Country	South Africa		Pmu1@kufanikiwa.co.za
Postal address	7 Meaker Street, Mthatha	Code	5099
Physical address	7 Meaker Street, Mthatha	Code	5099

A12.0 Agent [1.1]

Discipline			
Name			
Legal entity of above		Contact person	
Practice number		Telephone number	
		Mobile number	
Country		E-mail	
Postal address		Postal Code	
Physical address		Postal Code	

B CONTRACT INFORMATION

B 1.0 Definitions [1.1]

Bills of quantities: System/Method of measurement	Standard System of Measuring Building Work (Sixth Edition) as amended

B 2.0 Law, regulations, and notices [2.0]

Law applicable to the works , state country [2.1]	Republic of South Africa

B 3.0 Offer and acceptance [3.0]

Currency applicable to this agreement [3.2]	South African Rand

B 4.0 Documents [5.0]

The original signed agreement is to be held by the principal agent [5.2], if not, indicate by whom	Employer
Number of copies of construction information issued to the contractor at no cost [5.6]	Three (3)

Documents comprising the agreement	Page numbers
The JBCC® Principal Building Agreement, Edition 6.2 June 2024	1 to 30
The JBCC® Principal Building Agreement - Contract Data for Organs of State and other Public Sector Bodies, Edition 6.2 June 2024	1 to 14
The JBCC® General Preliminaries for use with the JBCC® Principal Building Agreement, Edition 6.2 June 2024	1 to 7

Contract drawings – description	Number	Revision	Date
Aliwal Poly Clinic – Site Plan, Roof Plan and Elevations	103	D	2024-12-04
Jamestown Clinic – Site Layout and Floor Plan for All Buildings	100	B	2024-12-04
Robert Mjobo Clinic – Main Clinic Block A	101	A	2025-01-09
Robert Mjobo Clinic – New Refuse Building and Services Building	103	A	2025-03-05
Venterstad Clinic – Site Plan, Existing Main Clinic, Block A & Carport C, Floor Plan	100	A	2024-12-10
Venterstad Clinic – Block D Plans, Elevations & Sections, Block A Sections	101	A	2025-03-28
Sonwabo Zandile Clinic – Site Plan, Roof Plan, Floor Plan and Elevations	103	A	2025-03-14

B 5.0 Employer's Agents [6.0]

Authority is delegated to the following **agents** to issue **contract instructions** and perform duties for specific aspects of the **works** [6.2]

Principal Agent

Principal agent's and **agents'** interest or involvement in the **works** other than a professional interest [6.3]

None

B 6.0 Insurances [10.0]

Insurances by employer			Amount including tax	Deductible amount including tax
Yes / No:	No			
Contract works insurance:				
	New works [10.1.1] (Contract sum or amount)			
or	Works with practical completion in sections [10.2] (contract sum or amount)			
or	Works with alterations and additions [10.3] (reinstatement value of existing structures with or including new works)			
	Direct contractors [10.1.1; 10.2] where applicable, to be included in the contract works insurance			
	Free issue [10.1.1; 10.2] where applicable, to be included in the contract works insurance			
	Escalation, professional fees and reinstatement costs if not included above			
Total of the above contract works insurance amount				
Supplementary insurance [10.1.2; 10.2]				
Public liability insurance [10.1.3; 10.2]				
Removal of lateral support insurance [10.1.4; 10.2]				
Other insurances [10.1.5]				
Yes/ No?	No	If yes, description 1		
Yes/ No?	No	If yes, description 2		

and/or

Insurances by Contractor			Amount including tax	Deductible amount including tax
Yes / No:	Yes			
	New works [10.1.1] (Contract sum or amount)		N/A	N/A
or	Works with practical completion in sections [10.2] (contract sum or amount)		To the minimum value of the contract sum + 10%	With a deductible not exceeding 5% of each and every claim

or	Works with alterations and additions [10.3] (reinstatement value of existing structures with or including new works)	To the minimum value of the contract sum + 10%	With a deductible not exceeding 5% of each and every claim
	Direct contractors [10.1.1; 10.2] where applicable, to be included in the contract works insurance	N/A	
	Free issue [10.1.1; 10.2] where applicable, to be included in the contract works insurance	N/A	
	Escalation, professional fees and reinstatement costs if not included above	N/A	
Total of the above contract works insurance amount		To the minimum value of the contract sum + 10%	
Supplementary insurance [10.1.2; 10.2]		Yes	
Public liability insurance [10.1.3; 10.2]		R5 million	
Removal of lateral support insurance [10.1.4; 10.2]		No	
Other insurances [10.1.5]			
Yes/ No?	No	If yes, description 1	
Yes/ No?	No	If yes, description 2	

B 7.0 Obligations of the employer [12.1]

Existing premises will be in use and occupied [12.1.2]		Yes / No?	Yes
If yes, description	The Contractor will, throughout the entire period of the works, be responsible for the proper and adequate protection of property and the public and ECDOHs personnel from damage or injury resultant from the works and for the proper security of the site at all times during the course of the works. Further, the Contractor must allow for all temporary hoardings, walkways, etc. required by the Local Authorities, National Building Regulations. OHS Act and or demanded by his own requirements. All allowances for the safe removal and disposal of asbestos material are deemed to be priced in the removal of existing roofing and other asbestos containing material. Allowance must further be made for periodic adjustment of any hoardings/ temporary fencing and for their eventual removal and for making good. All other temporary fencing hoardings etc. Required must be priced for in the Preliminaries of these Bills of Quantities. Allowance must be made for periodic adjustment of any hoardings aligned to the project phasing and for their eventual removal and for making good. The contractor shall keep the site, structures, etc. well-watered during operations to prevent dust and shall provide and erect and remove on completion of the works all necessary temporary dust screens all to the satisfaction of the principal agent.		
Restriction of working hours [12.1.2]		Yes / No?	Yes
If yes, description	07h30 to 17h00 Weekdays only. Work required to be executed outside of these hours must be arranged with the Facilities Manager and the management of the facility, in advance. No costs shall be claimable connected thereto.		

Natural features and known services to be preserved by the contractor [12.1.3]		Yes / No?	Yes
If yes, description	Existing services that are to be preserved are indicated in the existing service layout plan.		
Restrictions to the site or areas that the contractor may not occupy [12.1.4]		Yes / No?	Yes
If yes, description	Work areas and restricted areas are defined on the drawing specifying the site establishment.		
Supply of free issue [12.1.10]		Yes / No?	No
If yes, description			

B 8.0 Nominated subcontractors [14.0]

Yes / No?	No	If yes, description of specialisation
Specialisation 1		
Specialisation 2		
Specialisation 3		
Specialisation 4		
Specialisation 5		
Specialisation 6		
Specialisation 7		
Specialisation 8		
Specialisation 9		

B 9.0 Selected subcontractors [15.0]

Yes / No?	No	If yes, description of specialisation
Specialisation 1		
Specialisation 2		
Specialisation 3		
Specialization 4		
Specialization 5		
Specialisation 6		
Specialisation 7		
Specialisation 8		
Specialisation 9		
Specialisation 10		

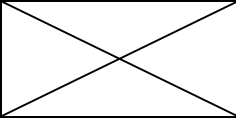
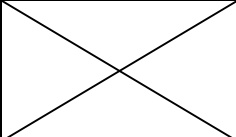
B 10.0 Direct contractors [16.0]

Yes / No?	No	If yes, description of extent of work
Extent of work [12.1.11]		
Extent of work [12.1.11]		
Extent of work [12.1.11]		
Extent of work [12.1.11]		
Extent of work [12.1.11]		

B 11.0 Description of sections [20.1]

Section 1	
Section 2	
Section 3	
Section 4	
Section 5	
Section 6	N/A

B 12.0 Possession of site [12.1.5], practical completion [19.0; 20.0] and penalty [24.0]

Practical completion for the works as a whole	Intended date of possession of the site Refer B17.0 [12.1.5; 12.2.22]	Period for inspection by the principal agent [19.3]	The date for practical completion shall be the period as indicated below from the date of possession of the site by the contractor [12.2.7; 24.1]	Penalty for late completion [24.1]
		working days	Construction Period in months	Penalty amount per calendar day (excl. tax)
		10 Working days	15 Months	

or where **sections** are applicable

Practical completion of a section of the works	Intended date of possession of the site Refer B16.0 [B4.1]	Period for inspection by the principal agent [19.3]	The date for practical completion shall be the period as indicated below from the date of possession of the site by the contractor [12.2.7; 24.1]	Penalty for late completion [24.1]
		Working days	Period in months	Penalty amount per calendar day (excl. tax)
Section 1				
Section 2				
Section 3				
Section 4				
Section 5				
Section 6				
Section 7				
Section 8				
Remainder of the				

Criteria to achieve practical completion not covered in the definition of practical completion
No further Criteria

B 13.0 Defects liability period [21.0]

Extended defects liability period: Refer B17.0 [21.13]	Yes / No?	Yes
If yes, description of applicable elements	The ninety (90) calendar days defects liability period for the works [21.1] is replaced with an extended defects liability period of three hundred and sixty-five (365) calendar days in respect to all works.	

B 14.0 Payments [25.0]

Date of month for issue of regular payment certificates [25.2]	30th		
Contract price adjustment / Cost fluctuations [25.3.4; 26.9.5]	Yes / No?	Yes	Base Month: N/A
If yes, method to calculate	CPAP calculated with Haylett formulae based on indices as provided by Stats SA		
Employer shall pay the contractor within: [25.10]	Thirty (30) calendar days		

B 15.0 Dispute resolution [30.0]

Adjudication [30.6.1; 30.10] Name of nominating body	Refer to Part C1.3 Dispute Resolution Mechanism	
Applicable rules for adjudication [30.6.2]	Adjudication in accordance with the CIDB adjudication process	
Arbitration [30.7.4; 30.10]	Yes / No?	No
If Yes, name of nominating body		
*If No, then dispute will be referred to litigation		
Applicable rules for arbitration [30.7.5]	N/A	

B 16.0 JBCC® General Preliminaries – selections

Provisional bills of quantities [B2.2]	Yes / No?	Yes
Availability of construction information – is the construction information complete? [B2.3]	Yes / No?	Yes
Previous work - dimensional accuracy - details of previous contract(s) [B3.1]	N/A	
Previous work - defects - details of previous contract(s) [B3.2]	N/A	
Inspection of adjoining properties - details [B3.3]	N/A	
Handover of site in stages - specific requirements [B4.1]	N/A	
Enclosure of the works - specific requirements [B4.2]	The contractor will be restricted to work only within the area demarcated for that specific project work section as per site establishment drawings. The contractor is to note that the project is being constructed in sections as set out in B11, which might result in the contractor having to de-establish and re-establish the site office on site to suite their own requirements. The contractor must take cognisance of the above restrictions and sectional completion of the project and price the above in the preliminaries section of the BoQ. No claims in this regard will be considered.	
Geotechnical and other investigations - specific requirements [B4.3]	N/A	

Existing premises occupied - details [B4.5]		Any other hoardings etc. to comply with the Construction Regulations 2014 and any other legal requirements or legislation must be priced in the Preliminaries section of the bills of Quantities. The contractor must allow in their preliminaries section, for the periodic adjustment of any hoardings and their eventual removal and making good. No claims for additional hoardings etc will be entertained. The contractor must ensure minimal disruption to the operation of the hospital and keep dust and noise to a minimum.	
Services - known - specific requirements [B4.6]		?	
Water [B8.1]	By contractor	Yes / No?	Yes
	By employer	Yes / No?	No
	By employer – metered	Yes / No?	No
Electricity [B8.2]	By contractor	Yes / No?	Yes
	By employer	Yes / No?	No
	By employer – metered	Yes / No?	No
Ablution and welfare facilities [B8.3]	By contractor	Yes / No?	Yes
	By employer	Yes / No?	No
Communication facilities - specific requirements [B8.4]		No specific requirements	
Protection of the works - specific requirements [B11.1]		Yes. Scope of Works and Health and Safety Plan which are annexed to this bid document	
Protection / isolation of existing works and works occupied in sections - specific requirements [B11.2]		Yes. Scope of Works and Health and Safety Plan which are annexed to this bid document	
Disturbance - specific requirements [B11.5]		Yes. Scope of Works and Health and Safety Plan which are annexed to this bid document	
Environmental disturbance - specific requirements [B11.6]		No specific requirement	

Reference may be made to other documents forming part of this **agreement**

1.1 Definitions

AGREEMENT: The completed Form of Offer and Acceptance, the completed **JBCC® Principal Building Agreement and JBCC® contract data for organs of state and other public sector bodies, the contract drawings, the priced document** and any other documents reduced to writing and signed by the authorised representatives of the **parties**

CONSTRUCTION PERIOD: The period commencing on the date of possession of the **site** by the **contractor** and ending on the date of **practical completion**

CONTRACT PERIOD: The period commencing on the date of the **Employer** accepting the offer by signing the Form of Offer and Acceptance and ending on the date of final completion

COST FLUCTUATION shall mean contract price adjustment provision (CPAP) for the adjustment of fluctuation in the cost of labour, plant, material and goods as stated in the schedule

DEFAULT INTEREST: No Clause

GUARANTEE FOR CONSTRUCTION: A security in terms of the ECDOH's Guarantee for Construction form/s, obtained by the contractor from an institution approved by the employer [CD]

CONTRACT DATA FOR ORGANS OF STATE AND OTHER PUBLIC SECTOR BODIES: The document listing the Organs of State and other Public Sector Bodies' requirements and the project specific information

INTEREST: The interest rates applicable on this contract, whether specifically indicated in the relevant clauses or not, will be the rate as determined by the Minister of Finance from time to time, in terms of section 80(1)(b) of the Public Finance Management Act, 1999 (Act No 1 of 1999), calculated as simple interest, in respect of debts owing to the State, and will be the rate as determined by the Minister of Justice and Constitutional Development from time to time 80(1)(b) of the Public Finance Management Act, 1999 (Act No 1 of 1999), calculated as simple interest, in respect of debts owing by the State

LETTER OF ACCEPTANCE: The letter of formal acceptance of the Contractor's or Service Provider's Tender / Bid, issued and signed by the Employer

PAYMENT CERTIFICATE: A certificate issued at regular agreed intervals [CD] by the principal agent to the parties certifying the amount due and payable in terms of Clause 25.3

PRINCIPAL AGENT: The person or entity appointed by the **employer** and named in the **contract data for organs of state and other public sector bodies**. In the event of a principal agent not being appointed, then all the duties and obligations of a **principal agent** as detailed in the **agreement** shall be fulfilled by the employer's representative as named in the **contract data for organs of state and other public sector bodies**

3.0 Offer and Acceptance

Amend 3.3 to read as follows:

This **agreement** shall come into force on the date as stated on the Form of Offer and Acceptance and continue to be of force and effect until the end of the **latent defects** liability period [22.0] notwithstanding termination [29.0] or the certification of **final completion** [21.0] and final payment [25.0]

4.0 Cession and Assignment

Replace Clause 4.3 with the following:

Where a contractor cedes any right or any monies due to or to become due under this agreement as security in favour of a financial institution, the prior written consent of the employer, which consent shall not be unreasonably withheld, must be obtained

5.0 Documents

Replace Clause 5.4 with the following:

The Bills of Quantities shall not be used as a specification of material and goods or methods unless so instructed by the Principal Agent. The contractor may not use the Bills of Quantities for purpose of ordering material. All dimensions and quantities must be determined on site before ordering. In the event of discrepancy between the drawings and Bills of Quantity, the drawings shall take preference

Replace Clause 5.5 with the following:

The parties may publish or disclose on any platform only the contract scope and contract amount

6.0 Employer's Agents

Replace Clause 6.5 with the following:

Where the principal agent and/or an agent fails to act or is unable to act or ceases to be the principal agent or an agent in terms of this agreement, the employer shall appoint another principal agent and/or an agent

Add the following as 6.7:

In terms of the clauses listed hereunder, the **employer** has retained its authority and has not given a mandate to the **principal agent**. The **employer** shall sign all documents in relation to clauses 4.2, 14.1.2, 14.1.4, 14.4.1, 14.6, 23.1, 23.2, 23.3, 23.7, 23.8, 26.1, 26.7, 26.12 and 28.4

8.0 Works Risk

Replace Clause 8.4 with the following:

The **contractor** shall bear the full risk of damage to and/or destruction of the **works** by whatever cause during construction of the **works** and hereby indemnifies and holds harmless the **employer** against any such damage. The **contractor** shall take such precautions and security measures and other steps for the protection and security of the **works** as the **contractor** may deem necessary

9.0 Indemnities

9.2.7: Add the following to the end of the first sentence: "... due to no fault of the **contractor**"

9.2.9 No Clause

9.2.10 No Clause

Add the following as clause 9.3:

The employer's rights to claim damages for the contractor's omissions and actions will not be affected.

10.0 Insurances

Add the following as 10.1.5.1:

High risk Insurance

In the event of the project being executed in a geological area classified as a "High Risk Area", that is an area which is subject to highly unstable sub-surface conditions that might result in catastrophic ground movement evident by sinkhole or doline formation the following will apply:

10.1.5.1.1 Damage to **the works**

The contractor shall, from the date of possession of the **site** until the date of the **certificate of practical completion**, bear the full risk of and hereby indemnifies and holds harmless the **employer** against any damage to and/or destruction of the **works** consequent upon a catastrophic ground movement as mentioned above. The **contractor** shall take such precautions and security measures and other steps for the protection of the **works** as he may deem necessary

When so instructed to do so by the **principal agent**, the **contractor** shall proceed immediately to remove and/or dispose of any debris arising from damage to or destruction of the **works** and to rebuild, restore, replace and/or repair the **works**, at the **contractor's** own costs

10.1.5.1.2 Injury to persons or loss of or damage to property

The **contractor** shall be liable for and hereby indemnifies and holds harmless the **employer** against any liability, loss, claim or proceeding arising at any time during the period of the contract whether arising in common law or by statute, consequent upon personal injuries to or the death of any person whomsoever resulting from, arising out of or caused by a catastrophic ground movement as mentioned above

The **contractor** shall be liable for and hereby indemnifies the **employer** against any and all liability, loss, claim or proceeding consequent upon loss of or damage to any moveable, or immovable property, or personal property, or property contiguous to the **site**, whether belonging to or under the control of the **employer** or any other body or person whomsoever arising out of or caused by a catastrophic ground movement, as mentioned above, which occurred during the period of the contract

10.1.5.1.3

It is the responsibility of the **contractor** to ensure that he has adequate insurance to cover his risk and liability as mentioned in 10.1.5.1.1 and 10.1.5.1.2. Without limiting the **contractor's** obligations in terms of the contract, the **contractor** shall, within twenty-one (21) **calendar days** of the date of possession of the site, but before commencement of the **works**, submit to the **employer** proof of such insurance policy, if requested to do so

10.1.5.1.4

The **employer** shall be entitled to recover any and all losses and/or damages of whatever nature suffered or incurred consequent upon the **contractor's** default of his obligations as set out in 10.1.5.1.1; 10.1.5.1.2 and 10.1.5.1.3. Such losses or damages may be recovered from the **contractor** or by deducting the same from any amounts still due under this contract or under any other contract presently or hereafter existing between the **employer** and the **contractor** and for this purpose all these contracts shall be considered one indivisible whole

11.0 Securities

Amend 11.10 to read as follows:

There shall be no lien or right of retention held by any **contractor** in respect of the works executed on site

Replace Clauses 11.1, 11.1.1, 11.1.2, 11.2.1 and 11.2.2 with the following:

11.3 No Clause

11.4 No Clause

11.5 No Clause

11.6 No Clause

11.6 No Clause

11.7 No Clause

11.8 No Clause

11.9 No Clause

11.10 No Clause

12.0 Obligations of the Parties

12.1.1 No Clause

Replace Clause 12.1.5 with the following:

Give possession of the site to the contractor within ten (10) working days after the appointment of all SMME contractor packages, approval of the Health and Safety Plan or the issue of a construction permit by the Department of Labour, if applicable, after the contractor complied with the terms of 12.2.22

12.1.6 No Clause

12.1.8 No Clause

Replace Clause 12.2.2 with the following:

The priced Bills must be submitted as part of the returnable documents. Where the priced document contains errors or discrepancies and/or prices considered by the employer or principal agent to be imbalanced or unreasonable the employer or principal agent and the contractor shall adjust such prices without any change to the contract sum

Replace Clause 12.2.5 with the following:

Effect and keep in force insurances in favour of the employer as beneficiary where the contractor is responsible for providing insurances [10.0] [CD]

Replace Clause 12.2.13 with the following:

Designate a competent person full time on site to continuously administer and control the works on site and to receive and implement notices and contract instructions on behalf of the contractor

Add the following as Clause 12.2.22:

Within fourteen (14) working days of the date of the letter of acceptance submit to the principal agent an acceptable health and safety plan, required in terms of the Occupational Health and Safety Act, 1993 (Act No 85 of 1993)

Add the following as Clause 12.2.23:

The contractor shall within reasonable time inform the agents regarding inspection of the works before covering / closing [B 12.0]

19.0 Practical Completion

Replace Clause 19.5 with the following:

On issue of the only or last certificate of practical completion the employer shall be entitled to possession of the works and the site. On issue of the certificate of practical completion for a section, the employer shall be entitled to possession of such section.

21.0 Defects Liability Period and Final Completion

Clause 21.0

Replace Clause 21.1 with the following:

The defects liability period for the works shall commence on the calendar day following the date of works completion and end at midnight (00:00) ninety (90) calendar days from the date of works completion [CD] or when work on the list for completion has been satisfactorily attended to [21.6], whichever is the later (if we use works completion)

Replace Clause 21.6 with the following:

On the expiry of the ninety (90) calendar days defects liability period [21.1] for items not indicated as items with an extended liability as indicated in B14 and on receipt of the contractor's notice to the principal agent

And/or

On the expiry of the defects liability period as indicated in B14, for items indicated in B14 and on receipt of the contractor's notice to the principal agent, the principal agent shall:

- (1) inspect the works and within ten (10) working days either issue a list for final completion detailing all outstanding work or defects that must be attended to, or rectified to achieve final completion or
- (2) issue the certificate of final completion to the contractor with a copy to the employer for that part of the works where defects liability period has expired

21.6.1 Omit Clause

21.6.2 Omit Clause

Add the following as Clause 21.13:

The ninety (90) calendar days defects liability period for the works [21.1] is replaced with an extended defects liability period of three hundred and sixty-five (365) calendar days in respect of the listed applicable elements in B14

Add the following as Clause 21.14:

Penalties will be applied if the items on the completion list have not been attended to within a period of ninety (90) calendar days [21.1]. If additional defect items have being added to the list during this period, then the Principal Agent and Contractor will agree on a revised completion date. Failing in achieving the revised date will result in penalties being applied.[B12.0

23.0 Latent Defects Liability Period

22.3.2 No Clause

24.0 Penalty for Late and Non-completion

Replace Clause 24.1 with the following:

Where the contractor fails to bring the works, or a section thereof, to practical or final- completion by the applicable completion date [CD], or the revised applicable completion date, the contractor shall be liable to the employer for the penalty [CD]

Replace Clause 24.2 with the following:

Where the employer elects to levy such penalty the employer, or the principal agent on instruction from the employer, shall give notice thereof to the contractor. The principal agent shall determine the penalty due from the later of the date for practical- works-, or final- completion [CD], or the revised date for practical- works-, or final- completion, up to and including the earlier of:

Replace Clause 24.2.1 with the following:

The actual or deemed date of practical or final- completion, of the works, or a section thereof [23.7.1]

25.0 Payment

Replace Clause 25.2 with the following:

The principal agent shall issue at regular agreed intervals [CD] payment certificates, to the contractor with a copy to the employer, up to and including practical completion. Interim Payment certificates may be issued to the contractor between practical completion and the final payment certificate. A payment certificate may be for a nil or negative amount

Add the following to Clause 25.3:

25.3.12 Tax Invoice

25.5 No Clause

Replace Clause 25.6 with the following:

Materials and goods will only be certified and paid for upon providing proof of full payment to the supplier and proof of transfer of ownership from the supplier to the contractor by the contractor. Once paid, material

and goods shall become the property of the employer and shall not be removed from site without the written authority of the Employer.

25.7.5 No clause.

Replace Clause 25.10 with the following:

The employer shall pay the contractor the amount stipulated in an issued payment certificate, correct in all material respects, within thirty (30) calendar days from the date of receiving the payment certificate, invoice and all other substantiating documentation for items certified in the payment certificate

25.10: Delete the words “and/or **compensatory interest**”

Replace Clauses 25.12 to 25.12.3 with the following:

Clause 25.12

The value of the works in terms of 25.1 and of the materials and goods in terms of 25.4 shall be certified in full. The value certified shall be subject to the following percentage adjustments:

25.12.1 Ninety-five per cent (95%) of such value in interim payment certificates issued up to the date of practical completion

25.12.2 Ninety-seven per cent (97%) of such value in interim payment certificates issued on the date of practical completion and up to but excluding the date of final completion

25.12.3 Ninety-nine per cent (99%) of such value in interim payment certificates issued on the date of final completion and up to but excluding the final payment certificate in terms of 26

25.12.4 One hundred per cent (100%) of such value in the final payment certificate in terms of 26 except where the amount certified is in favour of the employer. In such an event the payment reduction shall remain at the adjustment level applicable to the final payment certificate.

25.14.2: Not applicable

26.0 Adjustment of the Contract Value and Final Account

Ref Clause 6.7 [CD] – Clause 26.1

Omit Clause 26.4.3

Ref Clause 6.7 [CD] – Clause 26.7

Replace Clause 26.10 with the following:

The principal agent shall prepare the final account in consultation with the employer and issue the final account, to the contractor within sixty (60) working days of the date of practical completion

27.0 Recovery of Expense and/or Loss

Clause 27.0

Replace Clause 27.1.2 with the following:
Interest due to late payment only

Replace Clause 27.1.4 with the following:
Interest due to late payment only

27.1.5 No Clause

Replace Clause 27.5 with the following:
Where the employer decides to recover an amount due in terms of 27.2 from a construction guarantee, cash deposit or retention money held as security, the employer shall issue a written demand to the contractor

before recovering the amount. Should such amount not be paid to the employer within fourteen (14) calendar days of the date-of notice by the employer, the employer may recover such an amount from the security

29.0 Termination

Clause 29.0

Add the following as Clause 29.1.4:

The contractor's estate has been sequestered, liquidated or surrendered in terms of the insolvency laws in force within the Republic of South Africa

Add the following as Clause 29.1.5:

The contractor has engaged in corrupt or fraudulent practices in competing for or in executing the contract.

Add the following as Clause 29.1.6:

Honour his obligations in terms of Clauses 10.1.5.1.3, 11.4.1 and 12.2. sub-Clauses 5, 6, 8, 9, 10, 11, 12, 13, 15, 16, 19, 20, 22.

Replace Clause 29.7 with the following:

The employer, on notice to the contractor, may recover damages from the contractor from the date of termination including, but not limited to, additional costs incurred in the completion, consultant cost, rental of alternative accommodation, invitation of completion tenders, salaries of officials and safeguarding the site, of the remaining work [25.3.7; 27.1.3]

Replace Clause 29.9 with the following:

The employer has the right of recovery against the contractor, where applicable, [CD] from:

The payment reduction until the final payment is made;

29.14.1 No Clause

29.14.3 No Clause

29.14.4 No Clause

29.14.5 No Clause

29.14.6 No Clause

29.14.7 No Clause

29.15 No Clause

29.16 No Clause

29.17.3 No Clause

29.17.6 No Clause

29.21.5 No Clause

29.22 No Clause

29.23 No Clause

29.25.3 No Clause

29.25.4 No Clause

29.27 No Clause

30.0 Dispute Resolution

Replace Clause 30.2 with the following:

Where such disagreement is not resolved within ten (10) working days of receipt of such notice it shall be deemed to be a dispute and shall be submitted to Mediation as a first method of dispute resolution failing which the parties will resort to Litigation

30.3 to 30.7.7 No Clauses

Replace Clause 30.8 with the following:

The parties may, by agreement and at any time before Litigation, refer a dispute to mediation, in which event:

30.8.1 No Clause

Replace Clause 30.8.2 with the following:

The appointment of a mediator, the procedure, and the status of the outcome shall be agreed between the parties

Replace Clause 30.8.3 with the following:

Regardless of the outcome of a mediation the parties shall bear their own costs concerning the Mediation and equally share the costs of the mediator and related expenses.

Replace Clause 30.9 with the following:

Institution of Litigation shall be commenced, and process served within three (3) year from the date of existence of the dispute, failing which the dispute shall lapse

30.10 No Clause

30.12 No Clause

Add the following additional Clause.

It is a condition of contract that:

The contractor shall achieve in the performance of the contract the Contract Skills Development Goal (CSDG) established in the CIDB Standard for Developing Skills through Infrastructure Contracts, published in Gazette Notice No.48491 of 28 April 2023.

The contractor shall achieve in the performance of the contract the Contract Participation Goals (CPG) relating to the engagement of targeted enterprises as established in the cidb Standard for Indirect Targeting for Enterprise Development through Construction works Contracts, published in Gazette Notice No.36190 of 25 February 2013.

The main contractor shall provide a minimum Contract Participation Goal (CPG) of 5% of the total project value and develop targeted enterprises in two agreed developmental areas as per clause 3.2.1 of the Indirect Targeting Standard (Gazette Notice No.36190 of 25 February 2013).

Distinguish Between Construction Period and Contract Period

Please note the following key distinction:

- Construction Period: This refers to the physical timeframe allocated to the contractor to execute works on site
- Contract Period: This encompasses the full contract lifecycle from award date through practical completion, extension of time (if granted), project close-out, and final account.

The JBCC Principal Building Agreement Edition 6.2, Clause 19.0, defines practical completion, while Clause 23.0 (Delays and Extension of Time) outlines provisions under which a contractor may apply for and be granted an extension. It is important that these provisions be observed to avoid unintended contract breaches or disputes.

C TENDERER'S SELECTIONS

C 1.0 Security [11.0]

In respect of contracts with a contract sum more than R1 Million, the security to be provided by the contractor to the employer will be selected by the Contractor as indicated below:

Guarantee for construction: Select Option A,B,C,D or E		Option:	
Option A	Payment reduction of 10% of the value certified in the payment certificate		
Option B	Variable construction guarantee of 10% of the contract sum (excluding VAT)		
Option C	Fixed construction guarantee of 5% of the contract sum and a payment reduction of 5% of the value certified in the payment certificate		
Option D	Cash deposit of 5% of the contract sum (excluding VAT) and a payment reduction of 5% of the value certified in the payment certificate (excluding VAT)		
Option E	Cash deposit of 10% of the contract sum (excluding VAT)		
Guarantee for payment by employer [11.5.1; 11.10]		Not Applicable	
Advance payment, subject to a guarantee for advance payment [11.2.2; 11.3]		Not Applicable	

C 2.0 Contractor's annual holiday periods during the construction period

Year 1 contractor's annual holiday period	start date		end date	
Year 2 contractor's annual holiday period	start date		end date	
Year 3 contractor's annual holiday period	start date		end date	

C 3.0 Payment of preliminaries [25.0]

Contractor's selection: Select Option A or B	Option:	
Where the contractor does not select an option, Option A shall apply		

Payment methods

Option A	The preliminaries shall be paid in accordance with an amount prorated to the value of the works executed in the same ratio as the amount of the preliminaries to the contract sum , which contract sum shall exclude the amount of preliminaries . Contingency sum(s) and any provision for cost fluctuations shall be excluded for the calculation of the aforesaid ratio
Option B	The preliminaries shall be paid in accordance with an amount agreed by the principal agent and the contractor in terms of the priced document to identify an initial establishment charge, a time-related charge and a final dis-establishment charge. Payment of the time-related charge shall be assessed by the principal agent and adjusted from time to time as may be necessary to take into account the rate of progress of the works

Lump sum contract

Where the amount of **preliminaries** is not provided it shall be taken as 7.5% (seven and a half per cent) of the **contract sum**, excluding contingency sum(s) and any provision for cost fluctuations.

C 4.0 Adjustment of preliminaries [26.9.4]

Contractor's selection: Select Option A or B	Option:	
Where the contractor does not select an option, Option A shall apply		

Provision of particulars

The **contractor** shall provide the particulars for the purpose of the adjustment of **preliminaries** in terms of his selection. Where completion in sections is required, the **contractor** shall provide an apportionment of **preliminaries** per **section**

Option A	An allocation of the preliminaries amounts into Fixed, Value-related and Time-related amounts as defined for adjustment method Option A below, within fifteen (15) working days of the date of acceptance of the tender
Option B	A detailed breakdown of the preliminaries amounts within fifteen (15) working days of possession of the site. Such breakdown shall include, inter alia, the administrative and supervisory staff, the use of construction equipment , establishment and dis-establishment charges, insurances and guarantees, all in terms of the programme

Adjustment Methods

The amount of **preliminaries** shall be adjusted to take account of the effect which changes in time and/or value have on **preliminaries**. Such adjustment shall be based on the particulars provided by the **contractor** for this purpose in terms of Options A or B, shall preclude any further adjustment of the amount of **preliminaries** and shall apply notwithstanding the actual employment of resources by the **contractor** in the execution of the **works**

Option A	The preliminaries shall be adjusted in accordance with the allocation of preliminaries amounts provided by the contractor, apportioned to sections where completion in sections is required Fixed - An amount which shall not be varied Value-related - An amount varied in proportion to the contract value as compared to the contract sum. Both the contract sum and the contract value shall exclude the amount of preliminaries, contingency sum(s) and any provision for cost fluctuations Time-related - An amount varied in proportion to the number of calendar days extension to the date of practical completion to which the contractor is entitled with an adjustment of the contract value [23.2; 23.3] as compared to the number of calendar days in the initial construction period [26.9.4]
Option B	The adjustment of preliminaries shall be based on the number of calendar days extension to the date of practical completion to which the contractor is entitled with an adjustment of the contract value [23.2; 23.3] as compared to the number of calendar days in the initial construction period [26.9.4] The adjustment shall take into account the resources as set out in the detailed breakdown of the preliminaries for the period of construction during which the delay occurred

Failure to provide particulars within the period stated

Option A	Where the allocation of preliminaries amounts for Option A is not provided, the following allocation of preliminaries amounts shall apply: Fixed - Ten per cent (10%) Value-related - Fifteen per cent (15%) Time-related - Seventy-five per cent (75%) Where the apportionment of the preliminaries per section is not provided, the categorized amounts shall be prorated to the cost of each section within the contract sum as determined by the principal agent
Option B	Where the detailed breakdown of preliminaries amounts for Option B is not provided, Option A shall apply

Lump sum contract

Where the amount of **preliminaries** is not provided it shall be taken as 7.5% (seven and a half per cent) Of the **contract sum**, excluding contingency sum(s) and any provision for cost fluctuations



GUARANTEE FOR CONSTRUCTION (PRO-FORMA)



Guarantee for Construction

For use with the JBCC® Principal Building Agreement

edition /date

GUARANTOR DETAILS AND DEFINITIONS

Guarantor:			
Physical Address:			
Guarantor's signatory 1:		Capacity	
Guarantor's signatory 2:		Capacity	
Employer:			
Contractor:			
Principal Agent:			
Works:			
Site:			
Contract Sum:	Accepted amount inclusive of tax	Currency	
Amount in words:			
Guaranteed Sum:	The maximum aggregate amount	Currency	
Amount in words:			
Guarantee for Construction:	(Insert Variable or Fixed)		
Expiry Date:			

AGREEMENT DETAILS

Sections:	Total number / not applicable		Last Section	
Principal Agent issues	JBCC® format Recovery Statement, Interim Payment Certificates, the Final Payment Certificate, the Certificate of Practical Completion and the Certificate of Final Completion			

1.0 GUARANTEE FOR CONSTRUCTION (Variable)

1.1 Where a Guarantee for Construction (Variable) in terms of the Agreement has been selected this clause 1.0 and 3.0 to 13.0 shall apply. The Guarantor's liability shall be limited to the diminishing amounts of the Guaranteed Sum as follows:-

GUARANTOR'S LIABILITY

1.1.1 Maximum Guaranteed Sum (not exceeding 10.0% of the contract sum) in the amount of:

Amount in words:

PERIOD OF LIABILITY

From and including the date of issue of this Guarantee for Construction and up to and including the date of issue of the Interim Payment Certificate certifying in excess of 50% of the contract sum



- 1.1.2 Reducing to the Guaranteed Sum (not exceeding 8.0% of the contract sum) in the amount of:

From and including the day after the date of the aforesaid Interim Payment Certificate and up to and including the date of issue of the only Certificate of Practical Completion or last Certificate of Practical Completion where there are sections

Amount in words:

- 1.1.3 Reducing to the Guaranteed Sum (not exceeding 4.0% of the contract sum) in the amount of:

From and including the day after the date of the applicable Certificate of Practical Completion and up to and including the date of issue of the only Certificate of Final Completion or the last Certificate of Final Completion where there are sections

Amount in words:

- 1.1.4 Reducing to the Guaranteed Sum (not exceeding 2.0% of the contract sum) in the amount of:

From and including the day after the date of the applicable Certificate of Final Completion and up to and including the date of issue of the Final Payment Certificate where payment is due to the Contractor, whereafter this Guarantee for Construction shall expire. Where the Final Payment Certificate reflects payment due to the Employer, this Guarantee for Construction shall expire upon payment of the full amount certified

Amount in words:

- 1.2 The Guarantor's liability limits set out in 1.1.1 to 1.1.4 shall apply in respect of any claim received by the Guarantor during the guarantee validity period

2.0 GUARANTEE FOR CONSTRUCTION (Fixed)

- 2.1 Where a Guarantee for Construction (fixed) in terms of the Agreement has been selected this clause 2.0 and 3.0 to 13.0 shall apply. The Guarantor's liability shall be limited to the amount of the Guaranteed Sum as follows:

GUARANTOR'S LIABILITY

Maximum Guaranteed Sum (not exceeding 5.0% of the contract sum) in the amount of:

PERIOD OF LIABILITY

From and including the date of issue of this Guarantee for Construction and up to and including the date of the only Certificate of Practical Completion or the last Certificate of Practical Completion where there are sections, whereafter this Guarantee for Construction shall expire

Amount in words:

3.0 The Guarantor acknowledges that:

- 3.1 Any reference in this Guarantee for Construction to the Agreement is made for the purpose of convenience and shall not be construed as any intention whatsoever to create an accessory obligation or any intention to create a suretyship;
- 3.2 Its obligation under this Guarantee for Construction is restricted to the payment of money; and
- 3.3 Reference to a Recovery Statement or an Interim or Final Payment Certificate, or a Certificate(s) of Practical or Final Completion shall mean such certificate issued by the Principal Agent.

- 4.0 Subject to the Guarantor's maximum liability referred to in 1.0 or 2.0, the Guarantor hereby undertakes to pay the Employer the sum certified upon receipt of the documents identified in 4.1 to 4.3:

PART C1.3: DISPUTE RESOLUTION MECHANISM

C1.3 CIDB ADJUDICATOR'S AGREEMENT

C1.3 CIDB ADJUDICATOR'S AGREEMENT

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

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

* Delete as necessary

IT IS NOW AGREED as follows:

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

SIGNED by: _____

Name: _____

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

SIGNED by: _____

Name: _____

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

SIGNED by: _____

Name: _____

the Adjudicator in the presence
of

Witness _____

Name: _____

Address: _____

Witness: _____

Name _____

Address: _____

Witness: _____

Name: _____

Address: _____

Date: _____

Date: _____

Date: _____

Contract Data

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

* Delete as necessary

PART C2: PRICING DATA

PART C2.1: PRICING INSTRUCTIONS

C2.1 Pricing Instructions

- 1 The Bills of Quantities have been drawn up in accordance with the Standard System of Measuring Building Work as amended) published and issued by the Association of South African Quantity Surveyors (Sixth Edition (Revised)), 1999. Where applicable the:
 - a) Civil engineering work has been drawn up in accordance with the provisions of the latest edition of SABS 1200 Standardised Specifications for Civil Engineering Works.
 - b) Mechanical work has been drawn up in accordance with the provisions of the latest edition of SABS 1200 Standardised Specifications for Mechanical Engineering Works.
 - c) Electrical work has been drawn up in accordance with the provisions of the latest edition of SABS 1200 Standardised Specifications for Electrical Engineering Works.
- 2 The agreement is based on the JBCC Edition 6.2 of 2024, prepared by the Joint Building Contracts Committee, The additions, deletions and alterations to the JBCC Principal Building Agreement as well as the contract specific variables are as stated in the Contract Data. Only the headings and clause numbers for which allowance must be made in the Bills of Quantities are recited.
- 3 Preliminary and general requirements are based on the [preliminaries for the use of JBCC Edition 6.2– May 2024](#). Only the headings and clause numbers for which allowance must be made in the Bills of Quantities are recited.
- 4 It will be assumed that prices included in the Bills of Quantities are based on Acts, Ordinances, Regulations, By-laws, International Standards and National Standards that were published 28 days before the closing date for tenders. (Refer to www.stanza.org.za or www.iso.org for information on standards).
- 5 The drawings listed in the Scope of Works used for the setting up of these Bills of Quantities are kept by the Principal Agent or Engineer and can be viewed at any time during office hours up until the completion of the works.
- 6 Reference to any particular trademark, name, patent, design, type, specific origin or producer is purely to establish a standard for requirements. Products or articles of an equivalent standard may be substituted by approval of the Principal Agent.
- 7 The bills of quantities forms part of and must be read and priced in conjunction with all the other documents forming part of the contract document, The Standard Conditions of Tender, Conditions of Contract, Specifications, Drawings, The document “Construction Works: Specifications: General Specification (PW371-A) Edition 2.0” is obtainable on the Department’s website (<http://www.publicworks.gov.za/> under “Consultants Guidelines”), and shall be read in conjunction with the **bills of quantities** / lump sum document and be referred to for the full descriptions of work to be done and materials to be used The document “Construction Works: Specifications: Particular Specification (PW371-B) Edition 2.0” is issued together with the drawings and shall be read in conjunction with the drawings and the **bills of quantities** / lump sum document
- 8 Where any item is not relevant to this specific contract, such item is marked N/A (signifying “not applicable”)
- 9 The Contract Data and the standard form of contract referenced therein must be studied for the full extent and meaning of each and every clause set out in Section 1 (Preliminaries) of the Bills of Quantities

- 10 The Bills of Quantities is not intended for the ordering of materials. Any ordering of materials, based on the Bills of Quantities, is at the Contractor's risk.
- 11 The amount of the Preliminaries to be included in each monthly payment certificate shall be assessed as an amount prorated to the value of the work duly executed in the same ratio as the preliminaries bears to the total of prices excluding any contingency sum, the amount for the Preliminaries and any amount in respect of contract price adjustment provided for in the contract.
- 12 Where the initial contract period is extended, the monthly charge shall be calculated on the basis as set out in 11 but taking into account the revised period for completing the works.
- 13 The amount or items of the Preliminaries shall be adjusted to take account of the theoretical financial effect which changes in time or value (or both) have on this section. Such adjustments shall be based on adjustments in the following categories as recorded in the Bills of Quantities:
 - a) an amount which is not to be varied, namely Fixed (F)
 - b) an amount which is to be varied in proportion to the contract value, namely Value Related (V); and
 - c) an amount which is to be varied in proportion to the contract period as compared to the initial construction period excluding revisions to the construction period for which no adjustment to the contractor is not entitled to in terms of the contract, namely Time Related (T).
- 14 Where no provision is made in the Bills of Quantities to indicate which of the three categories in 13 apply or where no selection is made, the adjustments shall be based on the following breakdown:
 - a) 10 percent is Fixed
 - b) 15 percent is Value Related
 - c) 75 percent is Time Related
- 15 The adjustment of the Preliminaries shall apply notwithstanding the actual employment of resources in the execution of the works. The contract value used for the adjustment of the Preliminaries shall exclude any contingency sum, the amount for the Preliminaries and any amount in respect of contract price adjustment provided for in the contract. Adjustments in respect of any staged or sectional completion shall be prorated to the value of each section.
- 16 The tender price must include Value Added Tax (VAT). All rates, provisional sums, etc. in the bills of quantities must however be net (exclusive of VAT) with VAT calculated and added to the Total Value thereof in the Final Summary.
17. The Contractor shall adhere to "The national minimum wage determined by the Minister in accordance with the National Minimum Wage Act (NMWA)", and yearly pronounced increases for duration of contract.
18. The Contractor shall price the Specialist Subcontract works identified as such in the tender document based on the Specialist Subcontractors quotations plus any profit, attendance and overheads the Contractor may deem necessary

PART C2.2 – BILLS OF QUANTITIES

PRELIMINARIES

Item No		Quantity	Rate	Amount
	BILL NO. 1			
	<u>PRELIMINARIES</u>			
	<u>BUILDING AGREEMENT AND PRELIMINARIES</u>			
	The JBCC Principal Building Agreement (Edition 6.2 - May 2018) prepared by the Joint Building Contracts Committee shall be the applicable building agreement, amended as hereinafter described			
	The JBCC Principal Building Agreement contract data form an integral part of this agreement			
	The JBCC General Preliminaries (May 2018) published by the Joint Building Contracts Committee for use with the JBCC Principal Building Agreement (Edition 6.2 - May 2018) shall be deemed to be incorporated in these bills of quantities , amended as hereinafter described			
	The contractor is deemed to have referred to the abovementioned documents for the full intent and meaning of each clause			
	The clauses in the abovementioned documents are hereinafter referred to by clause number and heading only			
	Where any item is not relevant to this agreement such item is marked N/A signifying "not applicable"			
	Where standard clauses or alternatives are not entirely applicable to this agreement such amendments, modifications, corrections or supplements as will apply are given under each relevant clause heading and such amendments, modifications, corrections or supplements shall take precedence notwithstanding anything to the contrary contained in the above-mentioned documents			
	<u>PREAMBLES FOR TRADES</u>			
	Carried Forward		R	
	Section No. 1 Bill No. 1 Preliminaries			

User note

*The General Preambles for Trades 2017 published by the Association of South African Quantity Surveyors is designed to support and extend the abbreviated descriptions utilised in these bills of quantities by inter alia referring to SANS construction standards. **Where such preambles are not applicable** (eg where BS or Euro construction standards are applicable or the design consultants provide other preambles/specifications for insertion), users are to ensure that the abbreviated descriptions when read in conjunction with the Standard System of Measuring Building Work (seventh edition) for works within South Africa or the Standard Method of Measuring Building Work for Africa 2015 (first edition) for works elsewhere in Africa, represent the full description by extending the abbreviated bills of quantities descriptions and/or by inserting appropriate preambles or specifications*

Note that the text of the Standard System of Measuring Building Work (seventh edition) and that of the Standard Method of Measuring Building Work for Africa 2015 (first edition) is the same

The latest version of the General Preambles for Trades should be referred to should the General Preambles for Trades 2017 be revised in future

The General Preambles for Trades 2017 published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these **bills of quantities** and no claims arising from brevity of description of items fully described in the said General Preambles will be entertained

Supplementary preambles and/or specifications are incorporated in these **bills of quantities** to satisfy the requirements of this project. Such supplementary preambles and/or specifications shall take precedence over the provisions of the General Preambles

The **contractor's** prices for all items throughout these **bills of quantities** shall take account of and include where applicable for all of the obligations, requirements and specifications given in the General Preambles and in any supplementary preambles and/or specifications

STRUCTURE OF THIS PRELIMINARIES BILL

Section A : A recital of the headings of the individual clauses in the aforementioned **JBCC** Principal Building Agreement

Section B : A recital of the headings of the individual clauses in the aforementioned **JBCC** General Preliminaries

Section C : Any special clauses to meet the particular circumstances of the project

PRICING OF PRELIMINARIES

Should the **contractor** select Option A in the **contract data** for the adjustment of **preliminaries**, the amounts entered against the relevant items in these **preliminaries** are to be divided into one or more of the three categories provided namely fixed (F), value related (V) and time related (T)

SECTION A: PRINCIPAL BUILDING AGREEMENT**Interpretation (A1-A7)**

- 1 Clause 1.0 - Definitions and interpretation

Pricing of bills of quantities

The **contractor** is to allow opposite each item for all costs in connection therewith. All prices to include, unless otherwise stated, for all materials, fabrication, conveyance and delivery, unloading, storing, unpacking, hoisting, labour, setting, fitting and fixing in position, cutting and waste (except where to be measured in accordance with the standard system of measurement), patterns, models and templates, plant, temporary works, returning of packaging, duties, taxes (other than Value Added Tax), imposts, establishment charges, overheads, profit and all other obligations arising out of this **agreement**. Value Added Tax (VAT) is to be separately stated on the summary page of these **bills of quantities**

Brought Forward

R

Items left unpriced will be deemed to be covered in prices against other items throughout these **bills of quantities** and no claim for any extras arising out of the **contractor's** omission to price any item will be entertained

Prices for all **construction equipment**, temporary works, services and other items shall include for the supply, maintenance, operating cost and subsequent removal and making good as necessary

Abbreviated descriptions

The items in these **bills of quantities** utilise abbreviated descriptions. It is the intention that the abbreviated descriptions be fully described when read with the applicable measuring system and the relevant preambles and/or specifications. However, should the full intent and meaning of any description not be clear, the **contractor** shall, before submission of his tender, call for a written directive from the **principal agent**, failing which it shall be assumed that the **contractor** has allowed in his pricing for materials and workmanship in terms of international best practice

Legal status of contractor

If the **contractor** constitutes a joint venture, consortium or other unincorporated grouping of two or more persons then:

1. These persons are deemed to be jointly and severally liable to the **employer** for the performance of this **agreement**
2. These persons shall notify the **employer** of their leader who has assigned authority to bind the **contractor** and each of these persons
3. The **contractor** shall not alter its composition or legal status without the prior written consent of the **employer**

F:..... V:.....
T:.....

Item

2 Clause 2.0 - Law, regulations and notices

Carried Forward

R

Section No. 1
Bill No. 1
Preliminaries

Brought Forward		R
<u>User note</u> <i>Insert the following for <u>residential developments</u> only</i> <i>The cost to the employer of the NHBRC levies mentioned below is to be conveyed to the employer in order to present an overall building cost</i> NHBRC levies The employer shall allow for and pay any levies required by the National Home Builders Registration Council (NHBRC). The contractor warrants that he is registered and will maintain registration with the NHBRC for the duration of this agreement [2.1] F:..... V:..... T:.....		
3	Clause 3.0 - Offer and acceptance F:..... V:..... T:.....	Item
4	Clause 4.0 - Cession and assignment F:..... V:..... T:.....	Item
5	Clause 5.0 - Documents Value Added Tax Provision is made in the summary page of these bills of quantities for the inclusion of Value Added Tax (VAT) Priced document as specification Clause 5.4 is deemed to be deleted The principal agent shall decide which portion of the priced document may be used as a specification of materials and goods or methods, if any	Item
Carried Forward		R
Section No. 1 Bill No. 1 Preliminaries		

R

Item

R

Brought Forward 1.1 Duties [6.2] : The architect is responsible for the architectural design, functional design and quality inspection of the works 1.2 Contract instructions [6.2; 17.1] : 1.2.1 Rectification of discrepancies, errors in description or quantity or omission of items in the agreement other than in the JBCC Principal Building Agreement 1.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works 1.2.3 The site [13.0] 1.2.4 Compliance with the law, regulations and bylaws [2.1] 1.2.5 Provision and testing of samples of materials and goods and/or of finishes and assemblies of elements of the works 1.2.6 Opening up of work for inspection, removal or re-execution [23.2.4; 26.4.2] 1.2.7 Removal or re-execution of work 1.2.8 Removal or substitution of any materials and goods 1.2.9 Protection of the works 1.2.10 Making good physical loss and repairing damage to the works [23.2.2] 1.2.11 Rectification of defects [21.2] 1.2.12 A list for practical completion specifying outstanding or defective work to be rectified to achieve practical completion, a list for completion and a list for final completion specifying outstanding or defective work to be rectified to achieve final completion Carried Forward Section No. 1 Bill No. 1 Preliminaries		R	
		R	

Brought Forward 1.2.13 Expenditure of budgetary allowances, prime cost amounts and provisional sums 1.2.14 Appointment of a subcontractor [14.0; 15.0] 1.2.15 Work by direct contractors [16.0] 1.2.16 On suspension or termination, protection of the works, removal of construction equipment and surplus materials and goods [29.0] 2. <u>Quantity surveyor</u> <u>User note</u> <i>Insert the following but remove where the consultant is not relevant to this agreement. Edit both the duties and the contract instructions of the consultant <u>in keeping with the wishes of the principal agent</u></i> 2.1 Duties [6.2] : The quantity surveyor is responsible for all measurements, valuations, financial assessments and all other quantity surveying and cost control functions of the works 2.2 Contract instructions [6.2; 17.1] : 2.2.1 No contract instructions delegated to the quantity surveyor 3. <u>Civil and structural engineer</u> <u>User note</u> <i>Insert the following but remove where the consultant is not relevant to this agreement. Edit both the duties and the contract instructions of the consultant <u>in keeping with the wishes of the principal agent</u></i> <i>Note that the contract instructions hereinafter are selected from those listed in clause 17.1 of the JBCC PBA</i> Carried Forward Section No. 1 Bill No. 1 Preliminaries	R	
	R	

Brought Forward 3.1 Duties [6.2] : The civil and structural engineer is responsible for all aspects of civil and structural engineering design and quality inspection of the works 3.2 Contract instructions [6.2; 17.1] : 3.2.1 Rectification of discrepancies, errors in description or quantity or omission of items in the agreement other than in the JBCC Principal Building Agreement 3.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works 3.2.3 The site [13.0] 3.2.4 Compliance with the law, regulations and bylaws [2.1] 3.2.5 Provision and testing of samples of materials and goods and/or of finishes and assemblies of elements of the works 3.2.6 Opening up of work for inspection, removal or re-execution [23.2.4; 26.4.2] 3.2.7 Removal or re-execution of work 3.2.8 Removal or substitution of any materials and goods 3.2.9 Protection of the works 3.2.10 Making good physical loss and repairing damage to the works [23.2.2] 3.2.11 Rectification of defects [21.2] 3.2.12 A list for practical completion specifying outstanding or defective work to be rectified to achieve practical completion, a list for completion and a list for final completion specifying outstanding or defective work to be rectified to achieve final completion Carried Forward	R
Section No. 1 Bill No. 1 Preliminaries	R

Brought Forward 3.2.13 Expenditure of budgetary allowances, prime cost amounts and provisional sums 4. <u>Mechanical engineer</u> <u>User note</u> <i>Insert the following but remove where the consultant is not relevant to this agreement. Edit both the duties and the contract instructions of the consultant <u>in keeping with the wishes of the principal agent</u></i> <i>Note that the contract instructions hereinafter are selected from those listed in clause 17.1 of the JBCC PBA</i> 4.1 Duties [6.2] : The mechanical engineer is responsible for all aspects of mechanical engineering design and quality inspection of the works ? and, where appointed by the employer for quantity surveying services in respect of the mechanical installations, for all measurements, valuations, financial assessments and all other quantity surveying and cost control functions 4.2 Contract instructions [6.2; 17.1] : 4.2.1 Rectification of discrepancies, errors in description or quantity or omission of items in the agreement other than in the JBCC Principal Building Agreement 4.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works 4.2.3 Compliance with the law, regulations and bylaws [2.1] 4.2.4 Provision and testing of samples of materials and goods and/or of finishes and assemblies of elements of the works 4.2.5 Opening up of work for inspection, removal or re-execution [23.2.4; 26.4.2] 4.2.6 Removal or re-execution of work Carried Forward Section No. 1 Bill No. 1 Preliminaries	R
	R

R

- ## 5. Electrical engineer

Insert the following but remove where the consultant is not relevant to this agreement. Edit both the duties and the contract instructions of the consultant in keeping with the wishes of the principal agent

5.1 Duties [6.2] :

5.2 Contract instructions [6.2; 17.1] :

- R

11

R

- R

Carried Forward

R

Note that the contract instructions hereinafter are selected from those listed in clause 17.1 of the JBCC PBA

12

Brought Forward 6.1 Duties [6.2] : The wet services engineer is responsible for all aspects of wet services engineering design and quality inspection of the works 6.2 Contract instructions [6.2; 17.1] : 6.2.1 Rectification of discrepancies, errors in description or quantity or omission of items in the agreement other than in the JBCC Principal Building Agreement 6.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works 6.2.3 Compliance with the law, regulations and bylaws [2.1] 6.2.4 Provision and testing of samples of materials and goods and/or of finishes and assemblies of elements of the works 6.2.5 Opening up of work for inspection, removal or re-execution [23.2.4; 26.4.2] 6.2.6 Removal or re-execution of work 6.2.7 Removal or substitution of any materials and goods 6.2.8 Protection of the works 6.2.9 Making good physical loss and repairing damage to the works [23.2.2] 6.2.10 Rectification of defects [21.2] 6.2.11 A list for practical completion specifying outstanding or defective work to be rectified to achieve practical completion, a list for completion and a list for final completion specifying outstanding or defective work to be rectified to achieve final completion 6.2.12 Expenditure of budgetary allowances, prime cost amounts and provisional sums ? Carried Forward Section No. 1 Bill No. 1 Preliminaries	R
	R

7. Fire consultantUser note

Insert the following but remove where the consultant is not relevant to this agreement. Edit both the duties and the contract instructions of the consultant in keeping with the wishes of the principal agent

Note that the contract instructions hereinafter are selected from those listed in clause 17.1 of the JBCC PBA

7.1 Duties [6.2] :

The fire consultant is responsible for all aspects of rational fire design and quality inspection of the **works**

7.2 **Contract instructions** [6.2; 17.1] :

- 7.2.1 Rectification of discrepancies, errors in description or quantity or omission of items in the **agreement** other than in the **JBCC** Principal Building Agreement
- 7.2.2 Alteration to design, standards or quantity of the **works** provided that such **contract instructions** shall not substantially change the scope of the **works**
- 7.2.3 Compliance with the **law**, regulations and bylaws [2.1]
- 7.2.4 Provision and testing of samples of **materials and goods** and/or of finishes and assemblies of elements of the **works**
- 7.2.5 Opening up of work for inspection, removal or re-execution [23.2.4; 26.4.2]
- 7.2.6 Removal or re-execution of work
- 7.2.7 Removal or substitution of any **materials and goods**
- 7.2.8 Protection of the **works**
- 7.2.9 Making good physical loss and repairing damage to the **works** [23.2.2]

Brought Forward 7.2.10 Rectification of defects [21.2] 7.2.11 A list for practical completion specifying outstanding or defective work to be rectified to achieve practical completion, a list for completion and a list for final completion specifying outstanding or defective work to be rectified to achieve final completion 7.2.12 Expenditure of budgetary allowances, prime cost amounts and provisional sums ? 8. <u>Health and safety consultant</u> <u>User note</u> <i>Insert the following but remove where the consultant is not relevant to this agreement. Edit both the duties and the contract instructions of the consultant <u>in keeping with the wishes of the principal agent</u></i> 8.1 Duties [6.2] : The health and safety consultant is responsible for all aspects of health and safety of the works. Without derogating from the generality thereof, the health and safety consultant will perform the following specific functions and duties in respect of the health and safety aspects of the works. He shall: 8.1.1 Act as the employer's agent in terms of the Construction Regulations issued in terms of the Occupational Health and Safety Act, 1993 as amended 8.1.2 Prepare and update the health and safety specification for the works 8.1.3 Agree with the contractor the health and safety plan for the works 8.1.4 Carry out regular audits to ensure adherence to the safety plan and compliance with the act and regulations 8.1.5 Stop the execution of the works where the agreed specification or plan is not adhered to? F:..... V:..... T:.....	Item	R	
Carried Forward Section No. 1 Bill No. 1 Preliminaries		R	

	Brought Forward		R
7	Clause 7.0 - Design responsibility F:..... V:..... T:..... <u>Insurances and securities (A8-A11)</u>	Item	
8	Clause 8.0 - Works risk F:..... V:..... T:.....	Item	
9	Clause 9.0 - Indemnities F:..... V:..... T:.....	Item	
10	Clause 10.0 - Insurances F:..... V:..... T:.....	Item	
11	Clause 11.0 - Securities <u>User note</u> <i>If it is deemed advisable, the <u>extent</u> of any guarantee for payment may be stated and whether it is required of the contractor to waive his lien. Edit the following clause:</i> Guarantee for payment The employer shall provide to the contractor a guarantee for payment in the amount of.....Rand (R.....) [11.5.1]. The contractor shall consequently waive his lien or right of continuing possession of the works [11.10] <u>User note</u> <i>Where it is expected of the contractor to waive his lien in terms of clause 11.10, the waiver of lien may be extended to subcontracts as follows:</i> Extension of waiver of lien The contractor shall ensure that a waiver of lien is included in all subcontracts and that the works executed on the site are kept free of all liens and other encumbrances at all times [11.10]		
	Carried Forward		R
	Section No. 1 Bill No. 1 Preliminaries		

	Brought Forward		R
	F:..... V:..... T:.....	Item	
	<u>Execution (A12 - A17)</u>		
12	Clause 12.0 - Obligations of the parties Office accommodation The contractor shall provide, maintain and remove on practical completion air conditioned office accommodation with suitable tables and chairs for meetings to be held on the site. Such offices shall be kept clean and fit for use at all times [12.2.18] ? Notice board The contractor shall erect in a position approved by the principal agent, maintain and remove on practical completion a notice board recommended by the South African Institute of Architects and as approved by the principal agent listing the names and logos of the employer, the contractor and the professional consultants. No subcontractor or supplier notice boards may be erected unless permission is granted by the principal agent for such notice boards to be erected [12.2.18] Statutory and other notices The contractor shall submit and/or comply with all statutory and other notices that may be required by any local or other authority in order not to cause any delay to the commencement of the works by the contractor. The contractor shall pay all deposits or fees in this regard It is, however, specifically recorded that the employer shall be responsible for the timeous approval of building plans by any local or other authorities and the payment of any fees or charges related thereto F:..... V:..... T:.....	Item	
13	Clause 13.0 - Setting out F:..... V:..... T:.....	Item	
14	Clause 14.0 - Nominated subcontractors		
	Carried Forward		R
	Section No. 1 Bill No. 1 Preliminaries		

	Brought Forward		R
	F:..... V:..... T:.....	Item	
15	Clause 15.0 - Selected subcontractors		
	F:..... V:..... T:.....	Item	
16	Clause 16.0 - Direct contractors		
	Attendance on direct contractors		
	In respect of direct contractors the contractor shall:		
	1. Designate an area for the direct contractor to establish a temporary office and workshop and storage of equipment and materials		
	2. Allow the use of personnel welfare facilities, where provided		
	3. Provide water, lighting and single phase electric power to a position within 50m of the place where the direct contract work is to be carried out, other than fuel or power for commissioning of any installation		
	4. Permit the direct contractor to use erected scaffolding, hoisting facilities, etc provided by the contractor , in common with others having the like right, while it remains erected on the site [16.1]		
	F:..... V:..... T:.....	Item	
17	Clause 17.0 - Contract instructions		
	Site instructions		
	Instructions issued on site are to be recorded in a site instruction book which is to be supplied and maintained on site by the contractor		
	F:..... V:..... T:.....	Item	
	<u>Completion (A18 - A24)</u>		
18	Clause 18.0 - Interim completion	N/A	
	Carried Forward		R
	Section No. 1 Bill No. 1 Preliminaries		

	Brought Forward		R
19	Clause 19.0 - Practical completion F:..... V:..... T:.....	Item	
20	Clause 20.0 - Completion in sections F:..... V:..... T:.....	Item	
21	Clause 21.0 - Defects liability period and final completion F:..... V:..... T:.....	Item	
22	Clause 22.0 - Latent defects liability period F:..... V:..... T:.....	Item	
23	Clause 23.0 - Revision of the date for practical completion Substitution of materials and goods The removal or substitution of any materials and goods which do not conform to the specification or the contract drawings shall not constitute grounds for the extension of the construction period nor for the adjustment of the contract value [17.1.8; 23.1 & 2] F:..... V:..... T:.....	Item	
24	Clause 24.0 - Penalty for late or non-completion F:..... V:..... T:..... <u>Payment (A25 - A27)</u>	Item	
25	Clause 25.0 - Payment		
	Carried Forward		R
	Section No. 1 Bill No. 1 Preliminaries		

	Brought Forward		R
	Prices submitted Where prices are submitted by the contractor or subcontractor during the progress of the works in respect of contract instructions or in regard to a claim under the terms of this agreement and notwithstanding the fact that such prices may be used in an interim payment certificate, there is to be no presumption of acceptance. Should the principal agent wish to accept any such prices prior to the issue of the certificate of final completion, it shall be in writing F:..... V:..... T:.....	Item	
26	Clause 26.0 - Adjustment of the contract value and final account Fluctuations in costs All fluctuations in costs, with the exception of fluctuations in the rate of Value Added Tax, shall be for the account of the contractor [26.9.5] <u>User note</u> <i>Insert the following or similar clause where tenant installation/user requirements may be delayed or omitted</i> Tenant installation/user requirements delayed There is a possibility that certain works related to tenant installation/user requirements may have to be delayed and may consequently not be executed prior to practical completion Should the contractor be instructed to do so he shall execute this work under the conditions pertaining to this agreement on the basis that a separate amount for preliminaries appurtenant to this work (if applicable) is agreed to between the contractor and the principal agent and on condition that instruction to proceed with such work is given to him within a period of three (3) calendar months after the date of practical completion of the works The employer reserves the right to omit such work without compensation to the contractor for loss of profit or any other loss which the contractor may suffer as a result of such omission		
	Carried Forward		R
	Section No. 1 Bill No. 1 Preliminaries		

	Brought Forward		R	
	Cost of claims			
	All costs incurred by the contractor in the preparation of claims shall be borne by the contractor . This provision shall not preclude an adjudicator or an arbitrator appointed in terms of this agreement [30.6 & 7] from making a determination on costs			
	Claims from subcontractors			
	The contractor shall review, assess and adjudicate any claims received by him from any subcontractor and thereafter submit same to the principal agent with a recommendation in order to assist the principal agent in adjudicating the claim [26.6]			
	F:..... V:..... T:.....	Item		
27	Clause 27.0 - Recovery of expense and/or loss			
	F:..... V:..... T:.....	Item		
	<u>Suspension and termination (A28 - A29)</u>			
28	Clause 28.0 - Suspension by the contractor			
	F:..... V:..... T:.....	Item		
29	Clause 29.0 - Termination			
	F:..... V:..... T:.....	Item		
	<u>Dispute resolution (A30)</u>			
30	Clause 30.0 - Dispute resolution			
	F:..... V:..... T:.....	Item		
31	<u>Agreement</u>			
	The required information of the parties and the amount of the contract sum shall be inserted in the agreement for signature of the agreement by the parties			
	F:..... V:..... T:.....	Item		
	Carried Forward		R	
	Section No. 1 Bill No. 1 Preliminaries			

User note

Tenderer's selections

User note

F: V:
T:

Item

User note

Should it be necessary to expand on any of the General Preliminaries clauses, the user should list the appropriate General Preliminary clause number and heading and insert the relevant provision under a suitable heading in bold as may be necessary

33 | Clause 1.1 - Definitions

F: V:
T:

Item

34	Clause 1.2 - Interpretation

F: V:
T:

Item

R

22

Brought Forward			R
<u>Documents (B2)</u>			
35	Clause 2.1 - Checking of documents F:..... V:..... T:.....	Item	
36	Clause 2.2 - Provisional bills of quantities <u>User note</u> <i>Check "wet trades" included in the bills of quantities and edit the following clause as may be necessary</i> Multiple procurement These bills of quantities are in multiple procurement format ie the "wet trades" - earthworks, concrete, formwork and reinforcement, precast concrete, masonry, waterproofing and sub-surface drainage - are provisionally (fully?) measured and the subsequent trades are budgetary allowances and/or provisional sums ? F:..... V:..... T:.....	Item	
37	Clause 2.3 - Availability of construction information F:..... V:..... T:.....	Item	
38	Clause 2.4 - Ordering of materials and goods F:..... V:..... T:.....	Item	
<u>Previous work and adjoining properties (B3)</u>			
39	Clause 3.1 - Previous work - dimensional accuracy F:..... V:..... T:.....	Item	
40	Clause 3.2 - Previous work - defects F:..... V:..... T:.....	Item	
Carried Forward			R
Section No. 1 Bill No. 1 Preliminaries			

	Brought Forward		R	
41	Clause 3.3 - Inspection of adjoining properties F:..... V:..... T:..... <u>The site (B4)</u>	Item		
42	Clause 4.1 - Handover of site in stages F:..... V:..... T:.....	Item		
43	Clause 4.2 - Enclosure of the works <u>User note</u> <i>Describe any specific hoarding requirements, other than already described in clause 4.2 or in the contract data</i> F:..... V:..... T:.....	Item		
44	Clause 4.3 - Geotechnical and other investigations F:..... V:..... T:.....	Item		
45	Clause 4.4 - Encroachments F:..... V:..... T:.....	Item		
46	Clause 4.5 - Existing premises occupied F:..... V:..... T:.....	Item		
47	Clause 4.6 - Services - known F:..... V:..... T:..... <u>Management of contract (B5)</u>	Item		
48	Clause 5.1 - Management of the works F:..... V:..... T:.....	Item		
	Carried Forward		R	
	Section No. 1 Bill No. 1 Preliminaries			

	Brought Forward		R
49	Clause 5.2 - Progress meetings F:..... V:..... T:.....	Item	
50	Clause 5.3 - Technical meetings F:..... V:..... T:.....	Item	
	<u>Samples, shop drawings and manufacturer's instructions (B6)</u>		
51	Clause 6.1 - Samples of materials F:..... V:..... T:.....	Item	
52	Clause 6.2 - Workmanship samples F:..... V:..... T:.....	Item	
53	Clause 6.3 - Shop drawings F:..... V:..... T:.....	Item	
54	Clause 6.4 - Compliance with manufacturer's instructions F:..... V:..... T:.....	Item	
	<u>Deposits and fees (B7)</u>		
55	Clause 7.1 - Deposits and fees F:..... V:..... T:.....	Item	
	<u>Temporary services (B8)</u>		
56	Clause 8.1 - Water F:..... V:..... T:.....	Item	
57	Clause 8.2 - Electricity F:..... V:..... T:.....	Item	
	Carried Forward		R
	Section No. 1 Bill No. 1 Preliminaries		

	Brought Forward		R
58	Clause 8.3 - Ablution and welfare facilities F:..... V:..... T:.....	Item	
59	Clause 8.4 - Communication facilities F:..... V:..... T:..... <u>Prime cost amounts (B9)</u>	Item	
60	Clause 9.1 - Responsibility for prime cost amounts <u>User note</u> <i>Where details of materials included in prime cost amounts <u>are not</u> readily available and it is therefore not possible for the contractor to price for waste, the relevant prime cost amount shall be inserted in the bills of quantities as a lump sum with the contractor being given the opportunity to separately price his overheads and profit and for taking delivery, etc as called for in this clause 9.1 of the preliminaries. In such case the fixing only or installation only of the relevant materials shall be provisionally measured for the contractor to price and shall be re-measured upon completion</i> <i>Where details of materials for which prime cost amounts are to be allowed <u>are</u> readily available, the quantity surveyor may elect to insert the relevant prime cost amounts in measured items, which measured items shall contain sufficient detail for the contractor to price for fixing and installation, waste, etc</i> F:..... V:..... T:..... <u>Attendance on subcontractors (B10)</u>	Item	
61	Clause 10.1 - General attendance <u>User note</u> <i>General attendance is defined as being the duties of the contractor in terms of clause 12.2 of the JBCC n/s subcontract agreement</i> F:..... V:..... T:.....	Item	
62	Clause 10.2 - Special attendance		
	Carried Forward		R
	Section No. 1 Bill No. 1 Preliminaries		

	Brought Forward		R	
	<u>User note</u> <i>Insert details after the provisional sums (nominated or selected subcontract amounts) for any special attendance where specifically required for each n/s subcontractor separately</i> <i>It is important to note that general attendance only requires the contractor to "permit the subcontractor to use erected scaffolding, hoisting facilities, etc provided by the contractor, in common with others having the like right while it remains erected on the site" (refer to 12.2.13 of the JBCC n/s subcontract agreement). Many n/s subcontractors qualify their tenders to exclude scaffolding and/or hoisting facilities. Especially scaffolding could be an expensive item and it may be necessary in order to avoid claims to require the contractor to provide for the extended use of scaffolding for specific subcontracts within a description of "special attendance" in the applicable bill</i> F:..... V:..... T:..... <u>General (B11)</u>			
63	Clause 11.1 - Protection of the works F:..... V:..... T:.....	Item		
64	Clause 11.2 - Protection/isolation of existing works and works occupied in sections F:..... V:..... T:.....	Item		
65	Clause 11.3 - Security of the works F:..... V:..... T:.....	Item		
66	Clause 11.4 - Notice before covering work F:..... V:..... T:.....	Item		
67	Clause 11.5 - Disturbance			
	Carried Forward		R	
	Section No. 1 Bill No. 1 Preliminaries			

Brought Forward

R

User note

The following clause may be used should "disturbance" [11.5] need to be extended

Disturbance

All work is to be carried out in such a manner as to cause no unacceptable or unreasonable dust, noise, vibrations, nuisance, inconvenience, annoyance and the like to the public, others, other properties and traffic in so far as they exceed the permissible limitations set by government legislation or by the local authority. Any delays, stoppages and the like arising from or in order to comply with the above will not constitute grounds for an adjustment to the **construction period** or **contract value** whatsoever ?

F:..... V:..... T:.....

Item

68 Clause 11.6 - Environmental disturbance

Controlling all forms of pollution

The **contractor** shall be responsible for and take all precautions in controlling by whatever means necessary all forms of pollution emanating from the **site** during the **construction period** due inter alia to noise, artificial light, wind-blown sand, dust, deposits of mud, etc

The **contractor** is to ensure that all roads which border the **site** and are used by the **contractor** during the execution of the **works** are kept clean and free of any dirt or debris caused by the execution of the **works** ?

User note

Insert the following clause if an environmental management plan (EMP) is available and insert the EMP in an annexure

Environmental management plan

The **employer** has prepared an environmental management plan (EMP) (refer to Annexure ? for a copy of the relevant plan). The **contractor** shall price opposite this item for compliance with all the requirements of such EMP ?

F:..... V:..... T:.....

Item

Carried Forward

R

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	Brought Forward		R
69	Clause 11.7 - Works cleaning and clearing F:..... V:..... T:.....	Item	
70	Clause 11.8 - Vermin F:..... V:..... T:.....	Item	
71	Clause 11.9 - Overhand work F:..... V:..... T:.....	Item	
72	Clause 11.10 - Tenant installations F:..... V:..... T:.....	Item	
73	Clause 11.11 - Advertising F:..... V:..... T:.....	Item	
	<u>SECTION C: SPECIFIC PRELIMINARIES</u>		
	<u>User note</u> <i>Users shall avoid inserting in Section C items which may be construed as amending, modifying, correcting or supplementing the provisions of the JBCC Principal Building Agreement. Such amendments, modifications, corrections or supplements should be kept to the absolute minimum and should be inserted in Section A under the recited clause headings of the JBCC Principal Building Agreement in this Bill No. 1</i> <i>Selected examples of typical clauses are provided to indicate ways of describing such clauses. Users must delete, adapt or add to these examples to suit their particular circumstances</i>		
74	Warranties for materials and workmanship Where warranties for materials and/or workmanship are called for, the contractor shall obtain a written warranty, addressed to the employer, from the entity supplying the materials and/or executing the work and shall deliver same to the principal agent on final completion of the contract		
	Carried Forward		R
	Section No. 1 Bill No. 1 Preliminaries		

R

The warranty will not be enforced if the work is damaged by **defects** in the execution of the **works**, in which case the responsibility for replacement shall rest entirely with the **contractor**

Item

Should overtime be required to be worked for any reason whatsoever, the cost of such overtime is to be borne by the **contractor** unless the **principal agent** has specifically authorised, prior to execution thereof, that costs for such overtime are to be borne by the **employer**

Item

It is specifically agreed that the **contractor** accepts the obligation of assisting the **principal agent** in implementing proper cost management. The **contractor** will be advised by the **principal agent** of all cost management procedures which will be implemented to ensure that the **contract value** does not exceed the budget

Item

R

30

		Brought Forward			R
77	Overloading	The contractor shall take all necessary steps to ensure that no damage occurs due to overloading of any portion of the works or temporary works eg scaffolding, etc. The contractor shall submit details of his proposed loading, storage, plant erection, etc to the principal agent for approval prior to proceeding with such loading, storing or erecting and shall comply with and pay for the principal agent's requirements in connection with the provision of temporary support work, etc. Any damage caused to the works by overloading shall be made good by the contractor at his sole expense F:..... V:..... T:.....	Item		
78	Propping of floors below	The contractor is advised that propping of floors below may be required if he wishes to use any areas of completed suspended reinforced concrete slabs for vehicle access, storage of materials and goods and location of plant, scaffolding, etc. The location of these areas and any necessary propping shall be approved by the principal agent and the cost thereof shall be borne by the contractor F:..... V:..... T:.....	Item		
79	Testing of flat roof waterproofing for watertightness	Flat roof waterproof areas shall be flooded and kept "ponded" for at least forty eight (48) hours as a test to ensure the watertightness of the waterproofing and before any further construction work is carried out above the waterproofing F:..... V:..... T:..... User note <i>Insert the following where a health and safety specification is <u>not</u> yet available. Note that there is an obligation on the employer to ensure that the contractor has priced opposite this item for the compliance with the act and the regulations and the reasonable provisions of the health and safety specification</i>	Item		
		Carried Forward			R
	Section No. 1 Bill No. 1 Preliminaries				

	Brought Forward		R
80	Green star building certification <u>User note</u> <i>Insert the provisions called for by the relevant green star consultant should it be a requirement that the project be submitted for green star certification</i> F:..... V:.....T:.....	Item	
81	Broad based black economic empowerment (BBBEE) Tenders submitted will be evaluated taking into account their empowerment rating The employer will be monitoring the broad based black economic empowerment (BBBEE) status of the contractor throughout the execution of the works The contractor is to submit to the principal agent on an annual basis a schedule of spend, split into vendors engaged as subcontractors and suppliers indicating their BBBEE rating including proof of the said rating F:..... V:.....T:.....	Item	
82	Advertising rights The employer may elect to contract with advertising agencies for the erection of advertising hoardings, banners, wraps or the like for the duration of the contract. The contractor shall not prevent such an arrangement and will assist in the facilitation of same. The position and type of advertising structure to be agreed with the principal agent so as not to hinder the contractor in meeting his obligations under this agreement F:..... V:.....T:.....	Item	
	Carried Forward		R
	Section No. 1 Bill No. 1 Preliminaries		

Brought Forward

R

83 Confidentiality

The **contractor** undertakes to maintain in confidence any and all information regarding this project and shall obtain appropriate similar undertakings from all **subcontractors** and suppliers. Such information shall not be used in any way except in connection with the execution of the **works**

No information regarding this project shall be published or disclosed without the prior written consent of the **employer**

F:..... V:..... T:.....

Item

84 Media releases

All rights of publication of articles in the media, together with any advertising relating thereto or in any way connected with this project, shall vest with the **employer**

The **contractor** together with his **subcontractors** shall not, without the prior written consent of the **employer**, cause any statement or advertisement connected with this project to be printed, screened or aired by the media

F:..... V:..... T:.....

Item

SUMMARY OF CATEGORIES

Category : Fixed R.....

Category : Value R.....

Category : Time R.....

Carried to Final Summary

R

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ALI WAL POLY CLINIC

Rate

Amount

BILL NO. 1

The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.

Proprietary products in descriptions:

Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.

Cost of tests:

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

Prices

Prices are to include for carting away from site all materials not specifically mentioned as being stored on site for re-use or handed over to the school and all rubbish, debris, etc. arising from the alterations, etc. and for making good all work damaged or disturbed to the approval of the Principal Agent.

Carried Forward

R

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Brought Forward

R

Tenderers are advised to visit the site and to inspect the works in conjunction with the drawings in order to ascertain the exact nature and extent of the work to be done. The work is to be carried out in sections in accordance with the Architect's instructions in such a manner as to cause the minimum of nuisance and delay and the various sections are to be handed over for occupation as soon as they are completed and Tenderers must allow accordingly for this in their pricing.

The Contractor will be held solely responsible for checking all floor levels and dimensions in the existing building in order that the new extensions may be correctly lined up. Should any discrepancies be found in the Architect's drawings he should be asked for a decision before continuing with the work.

The Contractor will be held solely responsible for any damage to persons and property, for the safety of the new and existing structure throughout the whole of the contract and must make good at his own expense any damage that may occur.

Old materials described as "carefully take out, set aside for re-use and later refix in new position" are to be carefully removed, stored and protected from injury, made good as required and if broken or damaged through taking out, removing, storage, etc, are to be replaced by the Contractor at his own expense. Tenderers are advised to inspect these materials to ascertain their condition and allow accordingly for this in their pricing.

Allow for giving notice to local or other authorities for disconnecting electric light, water and drainage mains and removing telephone wires, etc, and pay all fees in connection therewith and afford every facility to the workmen carrying out this work.

All materials in this section are measured as new except where old material is specifically mentioned as being re-used.

When pricing, Tenderers are to allow as follows:

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R

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SECTION NO 2: BUILDING WORKS
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Brought Forward

R

Where door and window openings, etc, are specified to be filled in, or where jambs, cills, etc are specified to be built up, brickwork shall be of hard burnt clay stock bricks in 5.1 cement mortar unless otherwise specified, cut, toothed and bonded into existing brickwork and pinned up as required with slates or other hard materials. Brickwork built to fair face or in facings is to be of bricks and pointed to match existing. Plaster is to be 5.1 cement plaster unless otherwise specified.

Where lintels are specified as reinforced concrete the prices are to include for breaking out brickwork over for and inserting cement concrete (20MPa) lintel with 230mm bearing on each end and 254mm deep and reinforced with and including one 12mm diameter mild steel rod for each half brick thickness of wall and including formwork. The steel rods are to be hooked at ends and embedded 25mm up from bottom of lintels. Lintels exceeding 1370mm span to be similarly reinforced but with 20mm diameter mild steel rods.

Where lintels are specified as precast concrete the prices are to include for breaking out brickwork over for and inserting precast prestressed cement concrete (30MPa) lintel with 230mm bearing on each end size 108 x 75mm deep for each half brick thickness of wall.

The term "take out" includes all work taken out, taken up, taken down, taken off, etc ; the term "break up" includes all work broken up, broken down, broken off, etc and the term "hack off" includes all work hacked off, hacked up, hacked down, etc.

The term "make good" is to include all labour and material required to match existing work.

The terms "take out and remove door", "take out and remove window", "carefully take out, set aside for re-use and later refix window in new position", etc are to include all materials connected with such door or window such as doors, windows, fanlights, frames, ironmongery, glass, architraves, beads, fillets, cramps, dowels, etc.

Carried Forward

R

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Bill No. 1

Brought Forward			R
The terms "take out and remove sink unit", "take out and remove lavatory basin", "carefully take out, set aside for re-use and later refix W.C. suite in new position", etc are to include all materials connected with such sanitary fittings such as brackets, cisterns, taps, traps, flushing valves, flush pipes, etc and are to include for the cutting back and stopping off of supply and waste pipes. ----- ----- <u>TEMPORARY BARRIERS, SCREENS, ETC</u> <u>Temporary barriers, screens, etc including removal</u>			
1	Supply and erect any temporary tarpaulins, dust or weatherproof screens, hoardings and temporary access gates that may be necessary during the contract to the satisfaction of the Representative/Agent and remove when directed.		Item
<u>REMOVAL OF EXISTING WORK</u>			
<u>Breaking up and removing mass concrete</u>			
2	Surface beds	m3	2
<u>Taking out and removing doors, windows, etc including thresholds, sills, etc and prepare openings to receive new.</u>			
3	Timber single door.	No	6
4	Timber single door and frame not exceeding 2,5m2	No	2
5	Security gate not exceeding 2,5m2 and make good finishes	No	1
<u>Taking out and removing partition walls</u>			
6	Partitioning 3000mm high and prepare for new partition	m	15
7	19 x 69mm timber skirting.	m	120
<u>Hacking up/off and remove ceramic tiles, scabble, grind floor to a smooth finish for new screeds, etc</u>			
8	Ceramic tiles from floors	m2	156
Carried Forward			R
Section No. 1 SECTION NO 2: BUILDING WORKS Bill No. 1			

Brought Forward			R
<u>Taking out and remove timber floors</u>			
9	Tongued and grooved timber flooring including floor joists	m2	45
<u>Make good existing roof sheeting</u>			
10	Check existing roof sheeting and ridge, fit approved roofing screws with metal washers and waterproof seals where roof screws are missing, remove loose screws, fill holes in purlins with approved wood filler and fit new screws and apply approved sealant where necessary to ensure there are no roof leaks	m2	387
<u>BUILDING UP OPENINGS</u>			
<u>Brickwork in NFP bricks (7 Mpa) in class II mortar in building up openings</u>			
11	One brick walls.	m2	2
<u>Sundries</u>			
12	Cut toothings and bond new brickwork to existing.	m2	1
<u>MAKING GOOD OF FINISHES ETC</u>			
<u>Making good internal and external cement plaster</u>			
13	Hack off plaster around all large cracks at least 150mm on either side of crack, fill up crack with stiff 3:1 cement grouting solidly caulked in and add chicken mesh and replaster with 4:1 cement plaster, finished off smooth and even surface and on the same plane as the existing plaster, properly concealed.	m	70
<u>OPENINGS THROUGH EXISTING WALLS ETC</u>			
Carried Forward			R
Section No. 1 SECTION NO 2: BUILDING WORKS Bill No. 1			

R

Carried Forward to Summary of Section No. 1
Section No. 1
SECTION NO 2: BUILDING WORKS
Bill No. 1

2

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 2</u>			
	<u>EARTHWORKS (PROVISIONAL)</u>			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Proprietary products in descriptions:</u>			
	Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.			
	<u>Nature of material to be excavated:</u>			
	The material to be excavated is assumed to be predominantly of a composition that will allow excavation in "earth" as specified, but including a percentage of excavation in "soft rock" and "hard rock".			
	<u>Carting away of excavated material:</u>			
	Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations, or alternatively, from stock piles situated on the building site.			
	<u>Dewatering of excavations:</u>			
	The Contractor shall allow for removing seepage and other water from subterranean sources from the excavations by pumping, baling or otherwise. Accurate records of all such dewatering shall be kept to determine the total volume of water so removed and a clear distinction shall be made between water from subterranean sources and other water			
	Carried Forward		R	
	Section No. 1 SECTION NO 2: BUILDING WORKS Bill No. 2			

Brought Forward			R
<u>Density testing on filling:</u>			
Rates for filling, etc. shall include for all density and soil type testing to prove that the specified compaction is achieved. When additional testing is done on instruction of the Principal Agent and these tests are successful, they will be paid for additionally.			
<u>Imported fill:</u>			
"Filling and bedding to trenches etc. to be in compliance with SABS 1200 DB and LB respectively"			
<u>EXCAVATION, FILLING, ETC</u>			
<u>Site Clearance, Excavations, Filling, Etc.</u>			
1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc	m2	36
2	Excavate in earth to reduce levels	m3	7
3	Extra over all excavations for carting away surplus excavated material.	m3	7
4	G5 filling, selected and supplied by the Contractor, deposited in layers not exceeding 150mm thick, watered and consolidated to 98% mod AASHTO density under floors, etc.	m3	45
5	Rip, scarify, mix and consolidate top 150mm of sub grade to 95% mod AASHTO density.	m2	81
<u>Prescribed density tests on filling:</u>			
6	Allow for compaction tests by an approved laboratory to determine density of filling material.	No	2
<u>SOIL POISONING</u>			
<u>Approved brand of anti-termite soil poison applied by a Registered Pest Control company and guaranteed against termite infestation for five years</u>			
7	Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m2	81
Carried Forward to Summary of Section No. 1			R
Section No. 1			
SECTION NO 2: BUILDING WORKS			
Bill No. 2			

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u> <u>BILL NO. 2 CONCRETE, FORMWORK AND REINFORCEMENT</u> The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities. <u>SUPPLEMENTARY PREAMBLES</u> <u>Proprietary products in descriptions:</u> Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent. <u>Cost of tests:</u> The costs of making, storing and testing of concrete test cubes as required under clause 7 'Tests' of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the Architect. The testing shall be undertaken by an independent firm or institution nominated by the Contractor to the approval of the Architect. (Test cubes are measured separately). <u>Formwork:</u> Descriptions of formwork shall be deemed to include use and waste only (except where described as left in or permanent), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use. The vertical strutting shall be carried down to such construction as is sufficiently strong to afford the required support without damage and shall remain in position until the newly constructed work is able to support itself.			
	Carried Forward Section No. 1 SECTION NO 2: BUILDING WORKS Bill No. 3		R	

Brought Forward			R
Formwork to soffits of solid slabs etc., shall be deemed to be to slabs not exceeding 250mm thick unless otherwise described.			
Formwork to sides of bases, pile caps, ground beams, etc., will only be measured where it is prescribed by the Engineer for design reasons. Formwork necessitated by irregularity or collapse of excavated faces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavations, provision for which is made in Earthworks.			
<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>			
<u>VIBRATED REINFORCED CONCRETE</u>			
<u>30 MPa/19 mm concrete</u>			
1	Surface beds on waterproofing.	m3	5
<u>Finishing top surfaces of concrete smooth with a wood float:</u>			
2	Surface beds, slabs, etc	m2	45
<u>TESTING</u>			
3	Concrete test cubes size 150 x 150 x 150mm overall including testing (Provisional).	No	3
<u>REINFORCEMENT</u>			
<u>Fabric reinforcement:</u>			
4	REF. 193 fabric reinforcement in concrete surface beds, slabs, etc.	m2	45
Carried Forward to Summary of Section No. 1			R
Section No. 1			
SECTION NO 2: BUILDING WORKS			
Bill No. 3			

[illegible]

Rate

Amount

BILL NO. 6

ROOF COVERINGS ETC.

SUPPLEMENTARY PREAMBLES

Proprietary products shall be used as specified.
Substitute products of similar quality and specification
may only be used with prior approval by the Principal
Agent.

Fixing shall be done according to SABS 1200HB with minimum 225mm end laps.

Guarantee:

The contractor will be required to provide a written guarantee, stating that :1. The roof sheeting is of the specified thickness.2. The client is indemnified against any defects, including colour deterioration for a minimum period of 15 years.

Pricing:

Prices for roof covering and cladding are to include for all necessary drive screws, hook bolts, sheet bolts, nuts, washers, etc., for drilling holes for screws and bolts including removing all swarf from the sheeting and all right angle cutting and waste (Measured net).

RIBBED SHEETING AND ACCESSORIES

Carried Forward

R

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SECTION NO 2: BUILDING WORKS
Bill No. 6

Brought Forward			R
<u>0,58mm concealed fixed zincalume AZ150 with Colorplus to top side roof sheeting including fixing to timber purlins (elsewhere measured) at approximately 1000mm centres including all clips, etc, strictly in accordance with manufacturer's specification.</u>			
1	Roof covering with pitch not exceeding 50 degrees.	m2	38
<u>ROOF INSULATION</u>			
<u>Sisalation 420 housing grade reinforced aluminium foil and polyethylene insulation:</u>			
2	Insulation laid taut over purlins (at maximum 1000mm centres) and fixed concurrent with roof covering, including galvanised steel straining wires.	m2	38
<u>RAINWATER DISPOSAL (PROVISIONAL):</u>			
<u>Pre-painted aluminium rainwater goods:</u>			
3	150 x 130 x 150mm High eaves gutter fixed to falls in continuous lengths at not exceeding 600mm centres with and including approved gutter brackets.	m	8
4	Extra over eaves gutter for stopped end.	No	2
5	Extra over eaves gutter for outlet for 100 x 75mm pipe.	No	1
6	100 x 75mm Rainwater pipes fixed to walls with and including approved holderbats at 900mm centres.	m	3
7	Extra over rainwater pipe for shoe.	No	1
Carried Forward to Summary of Section No. 1			R
Section No. 1			
SECTION NO 2: BUILDING WORKS			
Bill No. 6			

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 7</u>			
	<u>CARPENTRY AND JOINERY</u>			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Proprietary products in descriptions:</u>			
	Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.			
	<u>ROOFS ETC</u>			
	<u>Sawn softwood:</u>			
1	38 x 152mm Rafters.	m	50	
2	50 x 76mm Purlins.	m	32	
	<u>Sundries:</u>			
3	Hurricane clip fixed using permfix nails or bolts through pre-drilled holes.	No	56	
	<u>Laminated S. A. pine:</u>			
4	75 x 150mm beam.	m	8	
	<u>EAVES, VERGES, ETC</u>			
	<u>Pressed fibre-cement:</u>			
5	15 x 225mm Fascia board three times drilled, and brass screwed to and including 38 x 50 x 114mm long S.A. Pine cleats twice brass screwed to rafter foot including galvanised steel H-profile jointing strips, screws, holes etc.	m	4	
	Carried Forward			
	Section No. 1 SECTION NO 2: BUILDING WORKS Bill No. 7		R	

Brought Forward			R
6	80 x 275 x 12mm Barge board drilled and brass screwed to purlin ends including galvanised steel H-profile jointing strips, screws, holes etc.	m	9
<u>DOORS ETC</u>			
<u>Solid core flush doors, with Commercial veneer both sides and with hardwood edge strips, tongued and grooved on to edges:</u>			
7	40mm Thick, single flush door, size 813 x 2,032mm high.	No	6
<u>Wrought meranti doors:</u>			
8	44mm Thick, framed, ledged and batten door, formed of 50 x 114mm stiles and top rail, 25 x 114mm middle ledge and braces and 25 x 228mm bottom ledge, the stiles and top rail grooved for and filled in with 22 x 70mm tongued, grooved and V-jointed vertical boarding, size 813 x 2032mm high.	No	4
<u>FRAMED FRAMES ETC</u>			
<u>Wrought meranti:</u>			
9	58 x 108mm Rebated and angle rounded door frames plugged.	m	25
<u>BEADS, ARCHITRAVES, ETC</u>			
<u>Wrought meranti:</u>			
10	19 x 70mm Skirting fixed to walls including 19mm quadrant bead planted on.	m	228
<u>Sundries:</u>			
11	38 x 76 mm Chamferred and grooved weatherboard fixed in and including groove or rebate in underside of door.	m	2
Carried Forward to Summary of Section No. 1			R
Section No. 1			
SECTION NO 2: BUILDING WORKS			
Bill No. 7			

Brought Forward			R
<u>Gypwall Standard System with 2 hour fire rating consisting of 90mm UltraSteel studs inserted at 600mm centres into 100mm drywall steel track at top and bottom and clad both sides with 15mm Rhinoboard fixed with 25mm drywall starker screws at 220mm centres. All joints to be taped and jointed as per the manufacturers instructions.</u>			
3	Partitioning 3000mm high with bottom and top tracks fixed to ceiling suspension system	m	10
4	Aluminium frames for single doors size 813 x 2032mm high	No	2
<u>Insulation</u>			
5	40mm Thick fibreglass insulation blanket in cavity of partitioning	m2	28
Carried Forward to Summary of Section No. 1 Section No. 1 SECTION NO 2: BUILDING WORKS Bill No. 8			R

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 09</u>			
	<u>FLOOR COVERINGS, WALL LININGS, ETC</u>			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Proprietary products in descriptions:</u>			
	Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.			
	<u>Cleaning:</u>			
	Rates for floor covering shall include for proper cleaning on completion.			
	<u>VINYL FLOOR COVERINGS, WALL LININGS, ETC.</u>			
	<u>2mm heavy duty fully flexible homogeneous non directional 2000mm wide vinyl floor sheeting with welded joints, laid in approved pressure sensitive adhesive in strict accordance with the manufacturer's specification</u>			
1	On smooth screeded floors.	m2	201	
	<u>POLISH, SEALERS, ETC</u>			
	<u>Clean by stripping and sealing and apply three coats water based copolymer emulsion or other approved sealer:</u>			
2	On vinyl flooring.	m2	201	
	Carried Forward to Summary of Section No. 1			
	Section No. 1			
	SECTION NO 2: BUILDING WORKS			
	Bill No. 9			
			R	

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u> <u>BILL NO. 10 IRONMONGERY</u> The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities. <u>SUPPLEMENTARY PREAMBLES</u> <u>Proprietary products in descriptions:</u> Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent: <u>Finishes to ironmongery:</u> Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list BS Satin bronze lacquered CP Chromium plated SC Satin chromium plated SE Silver enamelled GE Grey enamelled AS Anodised silver AB Anodised bronze AG Anodised gold ABL Anodised black PB Polished brass PL Polished and lacquered PT Epoxy coated SD Sanded Fixing: Descriptions of wall mounted and floor standing ironmongery items shall be deemed to include for fixing in position and all fixing accessories Descriptions of proprietary items shall be deemed to include fixing in position and all fixing accessories Ironmongery to be Union or similar approved <u>HINGES, BOLTS, ETC</u> <u>"Union" or similar approved</u>			
1	100 x 75mm heavy duty nylon washered brass butt hinges.	No	18	
	<u>LOCKS</u>			
	Carried Forward		R	
	Section No. 1 SECTION NO 2: BUILDING WORKS Bill No. 10			

Brought Forward			R
<u>"Union" or similar approved</u>			
2	Gower CZ682-24CH/2252-76SS Three lever mortice lockset complete with approved chromium plated handles.	No 11	
<u>Sundries:</u>			
3	32mm Diameter black rubber door stop plugged to concrete floor.	No 15	
<u>BATHROOM FITTINGS ETC.</u>			
<u>"Franke" or similar approved</u>			
4	"RODAN" Soap Dispenser (Code: 2120095)	No 8	
5	Hand towel Dispenser Model RODX611 (Code:2120070)	No 2	
6	Allow R 5 000.00 for servicing of toilet roll holders	Item	
Carried Forward to Summary of Section No. 1			R
Section No. 1			
SECTION NO 2: BUILDING WORKS			
Bill No. 10			

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 11</u>			
	<u>METALWORK</u>			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	Descriptions			
	Descriptions of bolts shall be deemed to include nuts and washers			
	Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete			
	Metalwork described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described			
	NOTE: All steel will be Hot dipped galvanised unless otherwise stated.			
	<u>SUNDRY BRASS WORK:</u>			
	<u>Brass:</u>			
1	4 x 30mm Weatherbar set in concrete flush with floor finish one side.	m	2	
	<u>PRESSED STEEL DOOR FRAMES</u>			
	<u>1,6mm thick approved galvanised double rebated frames suitable for 230mm brick walls</u>			
2	Frame for door 813 x 2032mm high	No	2	
	<u>GALVANIZED GATES</u>			
	<u>Hot Dipped Galvanised Steel Gates:</u>			
	Carried Forward		R	
	Section No. 1			
	SECTION NO 2: BUILDING WORKS			
	Bill No. 11			

Brought Forward				R
<u>Note: The contractor is to check on site measurements before placing of order.</u>				
3	Entrance single gate size 900 x 2,100mm high formed of 25 x 25 x 2.5mm hollow square section framing to detail, with 10mm solid mild steel rods, with stainless steel shackle for locking mechanism, with 50 x 50 x 8mm thick plates as hinges with rounded ends to one side and hole for 18mm diameter pin hung on pair of socketted and pinned hinges with pin 18 mm in diameter and bolted to brick wall, with 200mm locking bolt welded on.	No	1	
<u>SUNDRY GALVANISED STEELWORK</u>				
<u>Purpose made roof supports, columns etc.</u>				
4	75mm Outside diameter x 3mm thick x 6.51kg/m tubular column 2900mm long with 150 x 150 x 10mm base plate welded on to bottom end and top end having 250 x 3mm thick x 275mm girth channel-shaped bracket four times holed for bolts (elsewhere measured) welded on including setting up in position and embedding bottom end in concrete.	No	4	
<u>Sundries:</u>				
5	12mm Rawlbolts 100mm long including fixing into concrete or brickwork.	No	16	
6	12mm 100mm long bolt and nut with washer including fixing into timber beam.	No	16	
Carried Forward to Summary of Section No. 1				R
Section No. 1				
SECTION NO 2: BUILDING WORKS				
Bill No. 11				

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 12</u>			
	<u>PLASTERING</u>			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Proprietary products in descriptions:</u>			
	Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.			
	<u>SCREEDS</u>			
	<u>3:1 Cement plaster screeds steel trowelled on concrete:</u>			
1	25mm thick on floors in patches	m2	45	
	<u>Prepare and clean surface and apply self-levelling screed, in strict accordance with manufacturer's instructions, to form an even surface to receive vinyl tiles (elsewhere measured):</u>			
2	On new screeded floors (Provisional).	m2	201	
	<u>INTERNAL PLASTER</u>			
	<u>Plaster on partition walls</u>			
3	Stop all gaps and remove paper burrs, apply rhinotape to all joints, paint on rhinoglide over, apply second coat of rhinoglide with a 300mm wide steel trowel, and apply rhinolite skim plaster, all applied according to the manufacturer's specifications	m2	57	
	Carried Forward to Summary of Section No. 1			
	Section No. 1			
	SECTION NO 2: BUILDING WORKS			
	Bill No. 12			

R

Brought Forward			R
	<u>300 x 300mm Ceramic non-slip full body tiles (PC R 300/m2) to match existing and architects approval.</u> <u>All jointing and grouting in continuous joints in both directions, fixed with adhesive and epoxy grout. lay expansion joints to manufacturers recommendations and instructions.</u>		
2	On floors and landings	m2	156
3	100mm Tile skirting	m	80
Carried Forward to Summary of Section No. 1 Section No. 1 SECTION NO 2: BUILDING WORKS Bill No. 13			R

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 14</u>			
	<u>PLUMBING AND DRAINAGE</u> <u>(PROVISIONAL)</u>			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Proprietary products in descriptions:</u>			
	Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.			
	<u>Copper pipes:</u>			
	Pipes shall be hard drawn and half-hard pipes of the class stated. Class 0 (thin walled hard drawn) pipes shall not be bent. Class 1 (thin walled half-hard), class 2 (half-hard) and class 3 (heavy walled half-hard) pipes shall only be bent with benders with inner and outer formers. Fittings to copper waste, vent and anti-syphon pipes, capillary solder fittings and compression fittings shall be 'Cobra Watertech' type. Capillary solder fittings shall comply with ISO 2016. Only compression fittings shall be used in walls or in ground.			
	<u>Chasing:</u>			
	Chasing pipes into new walls shall be regarded as "building in" and is not measured separately. The cost of chasing, wrapping in suitable bown paper and making good shall be included in the rates for pipes.			
	<u>Holes for pipes through new walls:</u>			
	No allowance for holes and drilling for pipes through new walls has been made in these bills of quantities, the price for all holes and making good shall be deemed to be included in the description of pipes.			
	Carried Forward		R	
	Section No. 1 SECTION NO 2: BUILDING WORKS Bill No. 14			

Brought Forward

R

Reducing fittings:

Where fittings have reducing ends or branches they are described as 'reducing'. In the case of pipes with diameters not exceeding 60mm only the largest end or branch size is given. Should the Contractor wish to use other fittings and bushes or reducers he may do so on the understanding that no claim in this regard will be entertained. In the case of pipes with diameters exceeding 60mm all sizes are given and no claim for extra bushes, reducers, etc will be entertained.

Description of pipes laid in trenches:

Descriptions of pipes laid in trenches shall be deemed to include for carting away all surplus excavated material to a dumping site located by the contractor.

Excavations:

No claim for rock excavation will be entertained unless the Contractor has timeously notified the quantity surveyor thereof prior to backfilling.

'Soft rock' and 'hard rock' shall be as defined in 'Earthworks'.

Laying, backfilling, bedding, etc of pipes:

Pipes shall be laid and bedded and trenches shall be carefully backfilled in accordance with manufacturers' instructions.

Where no manufacturers' instructions exist pipes shall be laid in accordance with clauses 5.1 and 5.2 of each of the following: SABS 1200 L : Medium pressure pipelines LD : Sewers LE : Stormwater drainage Pipe trenches etc shall be backfilled in accordance with clause 3, 5.5, 5.6, 5.7 and 7 of SABS 1200DB: Earthworks (Pipe trenches) Clause 5.7.2 will only be applicable if authorised by the Engineer in writing.

Flush pans:

Flush pans shall have straight or side outlets and 'P' or 'S' traps as necessary.

Carried Forward

R

Section No. 1
SECTION NO 2: BUILDING WORKS
Bill No. 14

Brought Forward			R
<u>Stainless steel basins, sinks, wash troughs, urinals, etc:</u> Units shall have standard aprons on all exposed edges and tiling keys against walls where applicable. <u>Fixing:</u> Descriptions of wall mounted, floor standing, drop-in, etc type sanitary fittings shall be deemed to include fixing in position and all fixing accessories. Descriptions of proprietary items shall include fixing in position and all fixing accessories as specified by the manufacturer. <u>Waste unions:</u> Descriptions of waste unions shall be deemed to include rubber or vulcanite plugs and chains fixed to fittings. <u>Sleeve pipes:</u> Electrical sleeve pipes to be Class 34 and are to include for draw wires.			
<u>SOIL DRAINAGE</u>			
Excavations of pipe trenches will be measured in accordance with "Method B" and the width of excavations in more difficult material will be determined in accordance with "Method A" of the Standard System of Measuring Building Work Six Edition			
<u>uPVC Soil pipes (SABS 791-1986):</u>			
1	110mm Pipes vertically or ramped to cleaning eyes etc in and including trenches not exceeding 1000mm deep.	m	1
2	110mm Pipes laid in ground not exceeding 1000mm deep including all excavations in earth, bedding cradle and blanket fill of selected granular material, main fill compacting in layers not exceeding 150mm thick, adjust moisture content to optimum and compact to a density of 90% Modified AASHTO in drain trenches including carting off surplus displaced material.	m	2
<u>Extra over uPVC pipes for fittings:</u>			
3	110mm Bend.	No	1
Carried Forward			R
Section No. 1 SECTION NO 2: BUILDING WORKS Bill No. 14			

Brought Forward			R
4	110mm Access bend.	No	1
5	110mm Junction.	No	1
6	110mm Access junction.	No	1
<u>SANITARY FITTINGS</u>			
<u>Vitreous China Basin</u>			
7	600mm "Lecico Atlas" medical basin with tapholes and with code 8131 bracket	No	1
<u>"Franke" or similar approved</u>			
8	Model EC6 1830 x 685 mm combination bedpan and washup sink with 13 litre high level stainless steel cistern and flush pipe	No	1
<u>WASTE UNIONS ETC</u>			
<u>Waste unions etc:</u>			
9	32 mm 301 CP waste union	No	1
<u>TRAPS ETC</u>			
<u>Traps etc:</u>			
10	32mm Cobra Watertech chrome plated deep seal bottle trap with outlet for 50mm PVC (Code 345/50).	No	1
<u>TAPS, VALVES, ETC</u>			
<u>Brushed finish brass steel:</u>			
11	15mm mini ball valve (MXF 1030--15)	No	1
<u>"Cobra" or similar approved taps:</u>			
12	15mm medical elbow-action wall tap (Code: CP 503-21B)	No	2
<u>SANITARY PLUMBING</u>			
<u>uPVC piping (SABS 967-1987):</u>			
13	40mm Waste piping fixed to walls.	m	2
Carried Forward			R
Section No. 1 SECTION NO 2: BUILDING WORKS Bill No. 14			

R

Brought Forward			R
<u>Prepare surfaces, apply one coat merit plaster primer (PP700) and two coats pva (EPL/TAP) paint according to manufacturers specification.</u>			
3	Interior walls.	m2	783
<u>Prepare surfaces, apply one coat merit plaster primer (PP700) and two coats Wall and All paint according to manufacturers specification.</u>			
4	Exterior walls.	m2	303
<u>ON WOOD</u>			
<u>Prepare surfaces, apply one coat merit plaster primer (PP800) and two coats water based velvagio satin paint according to manufacturers specification.</u>			
5	Doors (all surfaces measured).	m2	15
<u>Prepare, knot and apply one coat woodcare pretreatment and two coats off woodcare interior water based wood varnish</u>			
6	Doors (all surfaces measured).	m2	7
7	Skirtings, rails, etc not exceeding 300mm girth.	m	228
<u>ON METAL</u>			
<u>Clean down thoroughly with galvanised iron cleaner, Apply one coat of Plascon Plascoprime 170 Zinc Phosphate Primer (UC170) and finish with two full coats of Plascon Water based Velvagio Satin (VLW)</u>			
8	On windows	m2	73
Carried Forward to Summary of Section No. 1			R
Section No. 1			
SECTION NO 2: BUILDING WORKS			
Bill No. 16			

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Carried to Final Summary			R	
Section No. 1 SECTION NO 2: BUILDING WORKS				

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 3</u>			
	<u>BILL NO. 1</u>			
	<u>OCCUPATIONAL HEALTH AND SAFETY</u>			
	<u>Occupational Health & Safety, incl. HBA</u>			
	Preparation of the Contractor's site-specific Health and Safety Plan & Risk Assessment Health and Safety File in Hard Copy. (Include sub-contractors OHS File compliance)			
		Item		
	<u>Provision of Personal Protective Equipment (PPE)</u>			
	<u>Note: Tenderer to provide quantity for full competent of staff for contract period</u>			
1	Overalls with reflective strips including the contractor's logo and proof of induction	Item		
	Hard Hats (High Density polyethylene, & 6-point lining)	Item		
	Safety boot / shoes (Steel - toe)	Item		
	Ear Plugs / Muffs	Item		
	Dust Masks (at least FF2 type)	Item		
	Safety gloves	Item		
	Ear Defenders SABS approved	Item		
	Reflective vest for Visitor and Supervisors	Item		
	<u>Competent Personnel</u>			
	Competent scaffolding supervisor, erectors. Etc	Item		
	Carried Forward		R	
	Section No. 2			
	SECTION NO 3: HEALTH AND SAFETY			
	Bill No. 1			

Brought Forward		R
Competent Formwork Supervisors and erectors	Item	
Competent Fall Protection Plan Developer	Item	
Work at heights training for all employees working at heights	Item	
<u>Cost of medical certificates and medical surveillance per employee</u>		
<u>Note: Tenderer to provide quantity for full component of staff for contract period</u>		
Initial (baseline) medical examinations	Item	
Provision of First Aid Boxes to GSR requirements	Item	
Working At heights medicals	Item	
2 Working at heights fall arrest equipment	Item	
Fire and emergency prevention signage	Item	
3 Vaccination (sewer works)	Item	
<u>Adhoc: Any OHS & HBA related requirements not listed above</u>		
Printer, Paper and Ink, consumables, soap	Item	
Waste bins	Item	
Close out H& S files scanned electronically with original files to CHSA.	Item	
<u>SUMMARY OF CATEGORIES</u>		
Category: Fixed	R	
Category: Value	R	
Category: Time	R	
Carried to Final Summary		R
Section No. 2		
SECTION NO 3: HEALTH AND SAFETY		
Bill No. 1		

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 4</u>			
	<u>BILL NO. 1</u>			
	<u>PROVISIONAL AMOUNTS & BUDGETARY ALLOWANCES</u>			
	<u>ELECTRICAL INSTALLATION</u>			
1	Provide a sum of R 100 000.00 (One Hundred Thousand Rand) for Electrical Installation.	Item		100 000,00
2	Allow for profit.	Item		
3	Allow for attendance.	Item		
	<u>MECHANICAL INSTALLATION</u>			
4	Provide a sum of R 80 000.00 (Eighty Thousand Rands) for servicing air conditioners and leave in working order.	Item		80 000,00
5	Allow for profit.	Item		
6	Allow for attendance.	Item		
	<u>REMOVAL OF FURNITURE AND EQUIPMENT</u>			
7	Provide an amount of R50 000 (Fifty Thousand rands) for contractor to assist in moving of furniture and equipment during construction	Item		50 000,00
8	Allow for profit.	Item		
9	Allow for attendance.	Item		
	<u>COMMUNITY LIASON OFFICER</u>			
10	Provide the sum of R75 000.00 (Seventy Five Thousand Rands) for the placement of a community liaison officer to be employed by the main contractor (R5 000.00 per month for the duration of the contract)	Item		75 000,00
11	Allow for attendance.	Item		
	Carried to Final Summary		R	
	Section No. 3			
	SECTION NO 4: PROVISIONAL SUMS			
	Bill No. 1			

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Sub-Total Carried to Grand Final Summary			R

JAMESTOWN CLINIC

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R

Tenderers are advised to visit the site and to inspect the works in conjunction with the drawings in order to ascertain the exact nature and extent of the work to be done. The work is to be carried out in sections in accordance with the Architect's instructions in such a manner as to cause the minimum of nuisance and delay and the various sections are to be handed over for occupation as soon as they are completed and Tenderers must allow accordingly for this in their pricing.

The Contractor will be held solely responsible for checking all floor levels and dimensions in the existing building in order that the new extensions may be correctly lined up. Should any discrepancies be found in the Architect's drawings he should be asked for a decision before continuing with the work.

The Contractor will be held solely responsible for any damage to persons and property, for the safety of the new and existing structure throughout the whole of the contract and must make good at his own expense any damage that may occur.

Old materials described as "carefully take out, set aside for re-use and later refix in new position" are to be carefully removed, stored and protected from injury, made good as required and if broken or damaged through taking out, removing, storage, etc, are to be replaced by the Contractor at his own expense. Tenderers are advised to inspect these materials to ascertain their condition and allow accordingly for this in their pricing.

Allow for giving notice to local or other authorities for disconnecting electric light, water and drainage mains and removing telephone wires, etc, and pay all fees in connection therewith and afford every facility to the workmen carrying out this work.

All materials in this section are measured as new except where old material is specifically mentioned as being re-used.

When pricing, Tenderers are to allow as follows:

Carried Forward

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Section No. 1
Bill No. 1
Alterations (Provisional)

Brought Forward

R

Where door and window openings, etc, are specified to be filled in, or where jambs, cills, etc are specified to be built up, brickwork shall be of hard burnt clay stock bricks in 5.1 cement mortar unless otherwise specified, cut, toothed and bonded into existing brickwork and pinned up as required with slates or other hard materials. Brickwork built to fair face or in facings is to be of bricks and pointed to match existing. Plaster is to be 5.1 cement plaster unless otherwise specified.

Where lintels are specified as reinforced concrete the prices are to include for breaking out brickwork over for and inserting cement concrete (20MPa) lintel with 230mm bearing on each end and 254mm deep and reinforced with and including one 12mm diameter mild steel rod for each half brick thickness of wall and including formwork. The steel rods are to be hooked at ends and embedded 25mm up from bottom of lintels. Lintels exceeding 1370mm span to be similarly reinforced but with 20mm diameter mild steel rods.

Where lintels are specified as precast concrete the prices are to include for breaking out brickwork over for and inserting precast prestressed cement concrete (30MPa) lintel with 230mm bearing on each end size 108 x 75mm deep for each half brick thickness of wall.

The term "take out" includes all work taken out, taken up, taken down, taken off, etc ; the term "break up" includes all work broken up, broken down, broken off, etc and the term "hack off" includes all work hacked off, hacked up, hacked down, etc.

The term "make good" is to include all labour and material required to match existing work.

The terms "take out and remove door", "take out and remove window", "carefully take out, set aside for re-use and later refix window in new position", etc are to include all materials connected with such door or window such as doors, windows, fanlights, frames, ironmongery, glass, architraves, beads, fillets, cramps, dowels, etc.

Carried Forward

R

Section No. 1
Bill No. 1
Alterations (Provisional)

Brought Forward			R
The terms "take out and remove sink unit", "take out and remove lavatory basin", "carefully take out, set aside for re-use and later refix W.C. suite in new position", etc are to include all materials connected with such sanitary fittings such as brackets, cisterns, taps, traps, flushing valves, flush pipes, etc and are to include for the cutting back and stopping off of supply and waste pipes. ----- ----- <u>TEMPORARY BARRIERS, SCREENS, ETC</u> <u>Temporary barriers, screens, etc including removal</u> 1 Supply and erect any temporary tarpaulins, dust or weatherproof screens, hoardings and temporary access gates that may be necessary during the contract to the satisfaction of the Representative/Agent and remove when directed. <u>DEMOLITIONS</u> 2 Single storey building with mono pitched roof 10.50 x 8.00 on plan and 2.8m high at eaves comprising brick walls walls and corrugated iron roof covering with timber supports including carting away and making good the area 3 Allow for desludging of existing septic tank by means of "honey sucker". The septic tank is to be completely empty before any other work is carried out. 4 Allow for breaking down and removing from site entire septic tank structure including any structure that may be inside the pit size 5 x 3m. Demolition is to only commence once the tank has been completely emptied (elsewhere measured). Backfill existing hole with imported filling in max 150mm layers and compact to 95% MOD AASHTO density. <u>REMOVAL OF EXISTING WORK</u> <u>Breaking up and removing mass concrete</u> 5 Surface beds <u>Breaking up and removing brickwork</u> 6 Half brick wall 7 One brick wall			
	Item		
	No	1	
	No	1	
	No	1	
	m3	2	
	m2	15	
	m2	85	
Carried Forward			R
Section No. 1 Bill No. 1 Alterations (Provisional)			

R

Brought Forward**Taking out and removing partition walls**

8	Partitioning 3000mm high and prepare for new partition	m	6
9	19 x 69mm timber skirting.	m	135

Taking down and removing roofs, floors, panelling, ceilings, partitions, etc

NOTE: The Contractor is advised that he will be held responsible for all damages, howsoever caused, to ceiling brandering, wall and floor finishes, fittings, etc., inside the existing rooms where the existing roof covering have been removed for alterations, etc., and he must make good all damages at his own expenses to the approval of the PA

10	Pitched corrugated iron roof 17110 x 11870 x 1300mm high overall including roof covering, timber trusses and purlins, ceilings and cornices, eaves soffit covering, fascias, barge boards, gutters and rainwater pipes	No	1

Hacking up/off and remove ceramic tiles, scabble, grind floor to a smooth finish for new screeds, etc

11	Ceramic tiles from floors	m2	103

MAKING GOOD OF FINISHES ETC**Making good internal and external cement plaster**

12	Hack off plaster around all large cracks at least 150mm on either side of crack, fill up crack with stiff 3:1 cement grouting solidly caulked in and add chicken mesh and replaster with 4:1 cement plaster, finished off smooth and even surface and on the same plane as the existing plaster, properly concealed.	m	50

Carried Forward to Summary of Section No. 1

Section No. 1
 Bill No. 1
 Alterations (Provisional)

R

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 2</u>			
	<u>EARTHWORKS (PROVISIONAL)</u>			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Proprietary products in descriptions:</u>			
	Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.			
	<u>Nature of material to be excavated:</u>			
	The material to be excavated is assumed to be predominantly of a composition that will allow excavation in "earth" as specified, but including a percentage of excavation in "soft rock" and "hard rock".			
	<u>Carting away of excavated material:</u>			
	Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations, or alternatively, from stock piles situated on the building site.			
	<u>Dewatering of excavations:</u>			
	The Contractor shall allow for removing seepage and other water from subterranean sources from the excavations by pumping, baling or otherwise. Accurate records of all such dewatering shall be kept to determine the total volume of water so removed and a clear distinction shall be made between water from subterranean sources and other water			
	Carried Forward		R	
	Section No. 1 Bill No. 2 Earthworks			

Brought Forward			R
<u>Density testing on filling:</u> Rates for filling, etc. shall include for all density and soil type testing to prove that the specified compaction is achieved. When additional testing is done on instruction of the Principal Agent and these tests are successful, they will be paid for additionally.			
<u>Imported fill:</u> "Filling and bedding to trenches etc. to be in compliance with SABS 1200 DB and LB respectively"			
<u>EXCAVATION, FILLING, ETC</u>			
<u>Site Clearance, Excavations, Filling, Etc.</u>			
1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc	m2	45
2	Excavate in earth to reduce levels	m3	5
3	Excavate in earth for surface trenches not exceeding 2000mm deep.	m3	9
4	Extra over excavations in earth to bases and trenches for excavation in soft rock	m3	3
5	Extra over excavations in earth to bases and trenches for excavation in hard rock.	m3	1
6	Extra over all excavations for carting away surplus excavated material.	m3	3
7	Allow for risk of collapse to sides of trench and base excavations not exceeding 1500mm deep.	m2	26
8	G5 filling, selected and supplied by the Contractor, deposited in layers not exceeding 150mm thick, watered and consolidated to 98% mod AASHTO density under floors, etc.	m3	8
9	Rip, scarify, mix and consolidate top 150mm of sub grade to 95% mod AASHTO density.	m2	45
Carried Forward			R
Section No. 1 Bill No. 2 Earthworks			

Brought Forward			R
<u>Prescribed density tests on filling:</u>			
10	Allow for compaction tests by an approved laboratory to determine density of filling material.	No	4
<u>SOIL POISONING</u>			
<u>Approved brand of anti-termite soil poison applied by a Registered Pest Control company and guaranteed against termite infestation for five years</u>			
11	Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m2	42
Carried Forward to Summary of Section No. 1			R
Section No. 1			
Bill No. 2			
Earthworks			

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 3</u>			
	<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Proprietary products in descriptions:</u>			
	Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.			
	<u>Cost of tests:</u>			
	The costs of making, storing and testing of concrete test cubes as required under clause 7 'Tests' of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the Architect. The testing shall be undertaken by an independent firm or institution nominated by the Contractor to the approval of the Architect. (Test cubes are measured separately).			
	<u>Formwork:</u>			
	Descriptions of formwork shall be deemed to include use and waste only (except where described as left in or permanent), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use.			
	The vertical strutting shall be carried down to such construction as is sufficiently strong to afford the required support without damage and shall remain in position until the newly constructed work is able to support itself.			
	Carried Forward		R	
	Section No. 1 Bill No. 3 Concrete, Formwork and Reinforcement			

Brought Forward			R
Formwork to soffits of solid slabs etc., shall be deemed to be to slabs not exceeding 250mm thick unless otherwise described.			
Formwork to sides of bases, pile caps, ground beams, etc., will only be measured where it is prescribed by the Engineer for design reasons. Formwork necessitated by irregularity or collapse of excavated faces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavations, provision for which is made in Earthworks.			
<u>VIBRATED REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>			
<u>30 MPa/19 mm concrete</u>			
1	Strip footings	m3	3
<u>VIBRATED REINFORCED CONCRETE</u>			
<u>20MPa/20mm concrete:</u>			
2	Surface beds cast in panels	m3	3
<u>(25MPa) open stormwater channels with V-shaped waterway formed in top, finished smooth on all exposed surfaces</u>			
3	1000 x 110mm open concrete stormwater channel with 860 x 60mm deep 'V' channel with rounded salient edges and finished on exposed surfaces with (2:1) cement mortar, laid to falls in panels not exceeding 3,0m long with 12mm bitumen impregnated softboard movement joints with exposed edges raked out for a depth of 10mm and filled with bituminous compound on suitable 150mm subbase material compacted to 93% Mod A.A.S.H.T.O. density, including all necessary excavations, 250 micron dpm, formwork, ref 100 mesh, compaction, grading, carting away, etc.	m	49
4	Extra over channel for angles, intersections, ends, etc.	No	4
Carried Forward			R
Section No. 1 Bill No. 3 Concrete, Formwork and Reinforcement			

Brought Forward			R
5	Extra over for widening concrete to form spreader 2500mm wide extreme for a length of 1250mm and bedding 150 x 150 x 150mm stone pitching embedded in newly cast wet concrete spaced at 300mm centre spacings to falls including brushing concrete between stones.	No	2
<u>CONCRETE TESTS</u>			
<u>Test blocks:</u>			
6	Making and testing set of three 150x150x150mm concrete strength test cubes (Provisional).	No	9
<u>CONCRETE SUNDRIES</u>			
<u>Finishing top surfaces of concrete smooth with a wood float:</u>			
7	Surface beds, slabs, etc	m2	32
<u>Finishing top surfaces of concrete to an evenly ribbed non-slip surface (broom finish):</u>			
8	Surface beds to falls.	m2	5
<u>FORMWORK</u>			
<u>Smooth Formwork to Sides and Soffits:</u>			
9	Edges, risers, ends and reveals not exceeding 300mm high or wide.	m	38
<u>REINFORCEMENT (PROVISIONAL)</u>			
<u>Fabric reinforcement:</u>			
10	REF. 193 fabric reinforcement in concrete surface beds, slabs, etc.	m2	32
Carried Forward to Summary of Section No. 1			R
Section No. 1			
Bill No. 3			
Concrete, Formwork and Reinforcement			

86

Brought Forward		
<u>Brickwork reinforcement:</u>		
6	150mm Wide reinforcement built in horizontally.	m 353
7	Ditto, but in foundations	m 216
<u>Galvanised hoop iron cramps, ties, etc</u>		
8	30 x 1,6 mm Hoop iron roof tie 1500 mm long with one end fixed to timber and other end built into six courses of brickwork	No 52
<u>Prestressed fabricated lintels:</u>		
9	110 x 75mm Lintels in lengths not exceeding 3m.	m 30
<u>BRICK PAVING</u>		
<u>Interlocking precast concrete (25 MPa) paving blocks laid with butt joints on 50mm thick river sand bed and sand/cement mix between joints</u>		
10	Paving of 50mm thick blocks including edge blocks to falls and cross falls	m2 23
Carried Forward to Summary of Section No. 1		
Section No. 1		
Bill No. 4		
Masonry		

R

R

Brought Forward		
<u>0,58mm concealed fixed zincalume AZ150 with Colorplus to top side roof sheeting including fixing to timber purlins (elsewhere measured) at approximately 1000mm centres including all clips, etc, strictly in accordance with manufacturer's specification.</u>		
1	Roof covering with pitch not exceeding 50 degrees.	m2 240
<u>ROOF INSULATION</u>		
<u>Sisalation 420 housing grade reinforced aluminium foil and polyethylene insulation:</u>		
2	Insulation laid taut over purlins (at maximum 1000mm centres) and fixed concurrent with roof covering, including galvanised steel straining wires.	m2 240
<u>RAINWATER DISPOSAL (PROVISIONAL):</u>		
<u>Pre-painted aluminium rainwater goods:</u>		
3	150 x 130 x 150mm High eaves gutter fixed to falls in continuous lengths at not exceeding 600mm centres with and including approved gutter brackets.	m 62
4	Extra over eaves gutter for bend.	No 6
5	Extra over eaves gutter for outlet for 100 x 75mm pipe.	No 6
6	100 x 75mm Rainwater pipes fixed to walls with and including approved holderbats at 900mm centres.	m 18
7	Extra over rainwater pipe for shoe.	No 6
Carried Forward to Summary of Section No. 1 Section No. 1 Bill No. 5 Roof Coverings Etc.		

R

R

Brought Forward		R	
<u>Prefabricated timber roof trusses shall be constructed of South African pine by a firm of specialist designer manufacturers. Trusses to be a minimum of 1200mm centres and are to support metal roof covering. Ceilings are either gypsum plasterboard or claddit (suspended or fixed). Prices must include for the design , plans and approval of all timber trusses and no claim shall be considered. An Engineers approval certificate is required once the roof truss installation is complete and is for the contractors account.</u> <u>Plate nailed timber roof truss construction:</u> Note: Tenderers are referred to the Architects roof plan drawings annexed to these bills of quantities / accompanying these bills of quantities for tender purposes. Specifications and calculations of prefabricated roof must be supplied by the contractor on award of the contract. Descriptions (prices) shall be deemed to include design.			
5	Roof construction of timber patent and approved pre-fabricated truss system, size approximately 195m2 (measured on plan over eaves overhang at bottom end and verge overhang both sides) with 22.5 degree pitch at 1200mm centres, 50 x 76mm SA pine purlins at max 1200 centres, 114 x 38mm wall plate SA pine to be treated with creosote prior fixing including galvanised steel cleats, hangers, hurricane clips, brackets and all necessary fixing accessories complete in accordance to Engineer's design and approval. (Clinic Main Building)	No	1
6	Allow for bracing, cross bracing, connecting clips, fixing brackets, hurricane clips, etc., as required for fixing in position of roof trusses as described in accordance with the manufacturer's instructions.		Item
<u>EAVES, VERGES, ETC</u>			
<u>Pressed fibre-cement:</u>			
7	15 x 225mm Fascia board three times drilled, and brass screwed to and including 38 x 50 x 114mm long S.A. Pine cleats twice brass screwed to rafter foot including galvanised steel H-profile jointing strips, screws, holes etc.	m	59
<u>DOORS ETC</u>			
Carried Forward		R	
Section No. 1 Bill No. 6 Carpentry and Joinery			

Brought Forward			R
<u>Semi solid masonite flush panel doors with concealed hardwood edges all round hung to timber frames</u>			
8	40mm single door 813 x 2032mm high	No	10
<u>Wrought meranti doors:</u>			
9	44 mm Framed batten door 813 x 2032 mm high of 44 x 146 mm top rail and stiles, 22 x 146 mm middle ledge and braces and 22 x 222 mm bottom rail filled in with 22 mm V-jointed one side boarding and covered on other side with 3 mm plywood with veneer to match door let into and including rebates all round	No	2
10	44mm Framed double door 1612 x 2032mm high with rebated meeting stiles, each leaf of 115mm top rail and stiles, 115mm middle rail and 212 mm bottom rail, with 23 x 552mm high solid fielded bottom panel and glazed top panel with 6.38mm laminated safety glass, 1069mm high rebated all round including 12 x 12mm glazing beads on one side	No	1
<u>FRAMED FRAMES ETC</u>			
<u>Wrought meranti:</u>			
11	38 x 76mm "Swartland" or similar approved rebated and angle rounded door frames plugged.	m	60
<u>BEADS, ARCHITRAVES, ETC</u>			
<u>Wrought meranti:</u>			
12	19 x 70mm Skirting fixed to walls including 19mm quadrant bead planted on.	m	135
<u>Sundries:</u>			
13	38 x 76 mm Chamfered and grooved weatherboard fixed in and including groove or rebate in underside of door.	m	4
<u>JOINERY FITTINGS</u>			
<u>Service of kitchen cabinets</u>			
14	Allow the sum of R 100 000.00 for joinery fittings		Item
Carried Forward to Summary of Section No. 1			R
Section No. 1			
Bill No. 6			
Carpentry and Joinery			

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 6</u>			
	<u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u>			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Proprietary products in descriptions:</u>			
	Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.			
	<u>Descriptions:</u>			
	Items described as nailed shall be deemed to be fixed with hardened steel nails or pins or shot pinned to brickwork or concrete.			
	Items described as plugged shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres, and where described as bolted the bolts have been given.			
	<u>NAILED UP CEILINGS</u>			
	<u>6mm "Everite Nutec" fibre cement board with H-profile white pvc jointing strips:</u>			
1	Ceilings including 38 x 50mm sawn softwood banderling at 400mm centres with cross banderling at joints, ends of sheets and at light fittings, etc.	m2	11	
	Carried Forward			
	Section No. 1 Bill No. 7 Ceilings, Partitions and Access Flooring		R	

Brought Forward			R
<u>6,4mm gypsum plasterboard with pvc h profile jointing strips over joints:</u>			
2	Ceilings including 38 x 50mm sawn softwood branderer at 400mm centres with cross branderer at joints, ends of sheets and at light fittings, etc.	m2	148
3	Extra over Fibre-cement ceiling for forming trap door size 630 x 630mm in clear formed with 38 x 50mm sawn S.A. pine framing covered with ceiling boarding and set in 38 x 76mm wrought S.A. pine rebated kerb, including trimmers.	No	2
<u>Rhino Gypsum plasterboard cornices</u>			
4	75 mm Coved cornices	m	158
<u>Insulation</u>			
5	40mm Thick fibreglass insulation blanket in cavity of partitioning	m2	148
<u>PARTITIONS ETC</u>			
<u>Gypwall Standard System with 2 hour fire rating consisting of 90mm UltraSteel studs inserted at 600mm centres into 100mm drywall steel track at top and bottom and clad both sides with 15mm Rhinoboard fixed with 25mm drywall staker screws at 220mm centres. All joints to be taped and jointed as per the manufacturers instructions.</u>			
6	Partitioning 2800mm high with bottom and top tracks fixed to ceiling suspension system	m	15
<u>Insulation</u>			
7	40mm Thick fibreglass insulation blanket in cavity of partitioning	m2	31
8	Aluminium frames for single doors size 813 x 2032mm high	No	6
9	75mm high Donn flat aluminium skirting fixed to steel studs with 25mm self-tapping screws, fixed to contact adhesive to face of drywall	m	20
Carried Forward to Summary of Section No. 1			R
Section No. 1			
Bill No. 7			
Ceilings, Partitions and Access Flooring			

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 7</u>			
	<u>FLOOR COVERINGS, WALL LININGS, ETC</u>			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Proprietary products in descriptions:</u>			
	Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.			
	<u>Cleaning:</u>			
	Rates for floor covering shall include for proper cleaning on completion.			
	<u>VINYL FLOOR COVERINGS, WALL LININGS, ETC.</u>			
	<u>2mm heavy duty fully flexible homogeneous non directional 2000mm wide vinyl floor sheeting with welded joints, laid in approved pressure sensitive adhesive in strict accordance with the manufacturer's specification</u>			
1	On smooth screeded floors.	m2	148	
	<u>POLISH, SEALERS, ETC</u>			
	<u>Clean by stripping and sealing and apply three coats water based copolymer emulsion or other approved sealer:</u>			
2	On vinyl flooring.	m2	148	
	Carried Forward to Summary of Section No. 1			
	Section No. 1			
	Bill No. 8			
	Floor Coverings, Wall Linings, Etc.			
			R	

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 8</u>			
	<u>IRONMONGERY</u>			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Proprietary products in descriptions:</u>			
	Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.			
	<u>Finishes to ironmongery</u>			
	Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list BS Satin bronze lacqueredCH Chromium platedSC Satin chromium platedSE Silver enamelledGE Grey enamelledAS Anodised silverAB Anodised bronzeAG Anodised goldABL Anodised blackPB Polished brassPL Polished and lacqueredPT Epoxy coatedSD Sanded			
	<u>Fixing</u>			
	Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs in brickwork or concrete			
	<u>HINGES, BOLTS, ETC</u>			
	<u>"Union" or similar approved</u>			
1	100 x 75mm heavy duty nylon washered brass butt hinges.	No	30	
2	100 mm SC barrel bolt with keep fixed to metal	No	1	
	Carried Forward		R	
	Section No. 1 Bill No. 9 Ironmongery			

Brought Forward			R
<u>LOCKS</u>			
<u>"Union" or similar approved</u>			
3	Gower CZ682-24CH/2252-76SS Three lever mortice lockset complete with approved chromium plated handles.	No	17
<u>Sundries:</u>			
4	32mm Diameter black rubber door stop plugged to concrete floor.	No	15
<u>BATHROOM FITTINGS ETC.</u>			
<u>"Franke" or similar approved stainless steel fittings</u>			
5	Paper towel dispenser plugged (Code AYT-001B)	No	4
6	Wall mounted waster bin plugged (Code 2120097)	No	4
7	Soap dispenser plugged (Code - ASR1-3D2S)	No	7
8	Standard lockable toilet paper dispenser Type TPSS3A holds 3 rolls).	No	2
Carried Forward to Summary of Section No. 1			R
Section No. 1			
Bill No. 9			
Ironmongery			

Brought Forward				R
<u>"NUKLIP TE NKCAFE" or similar approved powder coated aluminium windows, factory glazed with 6.38mm laminated safety glass with clip-on glazing beads, with neoprene seals and fixed with minimum three lugs per side in accordance with manufacturers instructions:</u>				
2	Window, size 950 x 1200mm glazed with 6.38mm laminated safety glass. (W1)	No	5	
3	Window, size 900 x 900mm glazed with 6.38mm laminated safety glass. (W3)	No	1	
4	Window, size 600 x 600mm glazed with 6.38mm laminated safety glass. (W5)	No	3	
5	Fixed panel window size 600 x 900mm high including 6.38mm laminated safety glass (W7).	No	2	
Carried Forward to Summary of Section No. 1				R
Section No. 1				
Bill No. 10				
Metalwork				

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 10</u>			
	<u>PLASTERING</u>			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Proprietary products in descriptions:</u>			
	Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.			
	<u>SCREEDS</u>			
	<u>3:1 Cement plaster screeds steel trowelled on concrete:</u>			
1	25mm thick on floors in patches	m2	5	
	<u>Prepare and clean surface and apply self-levelling screed, in strict accordance with manufacturer's instructions, to form an even surface to receive vinyl tiles (elsewhere measured):</u>			
2	On new screeded floors (Provisional).	m2	148	
	<u>INTERNAL PLASTER</u>			
	<u>Plaster on partition walls</u>			
3	Stop all gaps and remove paper burrs, apply rhinotape to all joints, paint on rhinoglide over, apply second coat of rhinoglide with a 300mm wide steel trowel, and apply rhinolite skim plaster, all applied according to the manufacturer's specifications	m2	84	
	Carried Forward			
	Section No. 1			
	Bill No. 11			
	Plastering			
			R	

Brought Forward				R
<u>Cement plaster on brick walls:</u>				
4	On walls.	m2	65	
5	On narrow widths.	m2	5	
<u>EXTERNAL PLASTER</u>				
<u>Cement plaster on brickwork</u>				
6	On walls	m2	58	
7	On narrow widths.	m2	2	
Carried Forward to Summary of Section No. 1				R
Section No. 1				
Bill No. 11				
Plastering				

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 11</u>			
	<u>PLUMBING AND DRAINAGE</u> <u>(PROVISIONAL)</u>			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Proprietary products in descriptions:</u>			
	Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.			
	<u>Copper pipes:</u>			
	Pipes shall be hard drawn and half-hard pipes of the class stated. Class 0 (thin walled hard drawn) pipes shall not be bent. Class 1 (thin walled half-hard), class 2 (half-hard) and class 3 (heavy walled half-hard) pipes shall only be bent with benders with inner and outer formers. Fittings to copper waste, vent and anti-syphon pipes, capillary solder fittings and compression fittings shall be 'Cobra Watertech' type. Capillary solder fittings shall comply with ISO 2016. Only compression fittings shall be used in walls or in ground.			
	<u>Chasing:</u>			
	Chasing pipes into new walls shall be regarded as "building in" and is not measured separately. The cost of chasing, wrapping in suitable bown paper and making good shall be included in the rates for pipes.			
	<u>Holes for pipes through new walls:</u>			
	No allowance for holes and drilling for pipes through new walls has been made in these bills of quantities, the price for all holes and making good shall be deemed to be included in the description of pipes.			
	Carried Forward		R	
	Section No. 1 Bill No. 12 Plumbing and Drainage			

Brought Forward

R

Reducing fittings:

Where fittings have reducing ends or branches they are described as 'reducing'. In the case of pipes with diameters not exceeding 60mm only the largest end or branch size is given. Should the Contractor wish to use other fittings and bushes or reducers he may do so on the understanding that no claim in this regard will be entertained. In the case of pipes with diameters exceeding 60mm all sizes are given and no claim for extra bushes, reducers, etc will be entertained.

Description of pipes laid in trenches:

Descriptions of pipes laid in trenches shall be deemed to include for carting away all surplus excavated material to a dumping site located by the contractor.

Excavations:

No claim for rock excavation will be entertained unless the Contractor has timeously notified the quantity surveyor thereof prior to backfilling.

'Soft rock' and 'hard rock' shall be as defined in 'Earthworks'.

Laying, backfilling, bedding, etc of pipes:

Pipes shall be laid and bedded and trenches shall be carefully backfilled in accordance with manufacturers' instructions.

Where no manufacturers' instructions exist pipes shall be laid in accordance with clauses 5.1 and 5.2 of each of the following: SABS 1200 L : Medium pressure pipelines LD : Sewers LE : Stormwater drainage Pipe trenches etc shall be backfilled in accordance with clause 3, 5.5, 5.6, 5.7 and 7 of SABS 1200DB: Earthworks (Pipe trenches) Clause 5.7.2 will only be applicable if authorised by the Engineer in writing.

Flush pans:

Flush pans shall have straight or side outlets and 'P' or 'S' traps as necessary.

Carried Forward

R

Section No. 1
Bill No. 12
Plumbing and Drainage

Brought Forward			R
<u>Stainless steel basins, sinks, wash troughs, urinals, etc:</u> Units shall have standard aprons on all exposed edges and tiling keys against walls where applicable. <u>Fixing:</u> Descriptions of wall mounted, floor standing, drop-in, etc type sanitary fittings shall be deemed to include fixing in position and all fixing accessories. Descriptions of proprietary items shall include fixing in position and all fixing accessories as specified by the manufacturer. <u>Waste unions:</u> Descriptions of waste unions shall be deemed to include rubber or vulcanite plugs and chains fixed to fittings. <u>Sleeve pipes:</u> Electrical sleeve pipes to be Class 34 and are to include for draw wires.			
<u>SOIL DRAINAGE</u>			
Excavations of pipe trenches will be measured in accordance with "Method B" and the width of excavations in more difficult material will be determined in accordance with "Method A" of the Standard System of Measuring Building Work Six Edition			
<u>uPVC Soil pipes (SABS 791-1986):</u>			
1	110mm Pipes vertically or ramped to cleaning eyes etc in and including trenches not exceeding 1000mm deep.	m	1
2	110mm Pipes laid in ground not exceeding 1000mm deep including all excavations in earth, bedding cradle and blanket fill of selected granular material, main fill compacting in layers not exceeding 150mm thick, adjust moisture content to optimum and compact to a density of 90% Modified AASHTO in drain trenches including carting off surplus displaced material.	m	80
<u>Extra over uPVC pipes for fittings:</u>			
3	110mm Bend.	No	1
Carried Forward			R
Section No. 1 Bill No. 12 Plumbing and Drainage			

Brought Forward				R
4	110mm Access bend.	No	1	
5	110mm Junction.	No	1	
6	110mm Access junction.	No	1	
<u>SANITARY FITTINGS</u>				
<u>Grade 304 (18/10) stainless steel sink:</u>				
7	Model ET102, 1500 x 535mm double compartment laundry trough	No	1	
8	Model CH 540 x 545 mm slop hopper unit with grid with 13 litre high level stainless steel cistern, flush pipe and 100mm splashback Code: 2630035	No	1	
9	Model BR6 bedpan and bottle rack (Code: 2630020)	No	1	
<u>"Vaal" or similar approved</u>				
10	"Hibiscus" white vitreous china wash hand basin colour white(Code: 7008033), size 510 x 400mm with three semi-punched taphole including fixing bolts (VAA-8448Z0), intergrated overflow and chainstay	No	5	
<u>WASTE UNIONS ETC</u>				
<u>Waste unions etc:</u>				
11	32mm 303 CP basin waste plug	No	5	
12	40 mm 316 CP waste union	No	3	
<u>TRAPS ETC</u>				
<u>Traps etc:</u>				
13	"Franke Spazi F/2" or similar approved double bowl plumbing kit	No	1	
<u>TAPS, VALVES, ETC</u>				
<u>Brushed finish brass steel:</u>				
14	15mm Stopcock.	No	1	
15	15mm mini ball valve (MXF 1030--15)	No	9	
Carried Forward				R
Section No. 1 Bill No. 12 Plumbing and Drainage				

Brought Forward			R
16	115 x 50mm flush valve (Code: COB-FJ6-0000)	No	1
	<u>Taps:</u>		
17	15mm medical elbow-action wall mixer tap (Code: COB-515/055-21)	No	8
	<u>SANITARY PLUMBING</u>		
	<u>uPVC piping (SABS 967-1987):</u>		
18	40mm Waste piping fixed to walls.	m	3
19	110mm Ditto.	m	2
	<u>Extra over uPVC piping for:</u>		
20	40mm Bend.	No	2
21	110mm Bend.	No	1
22	40mm Access bend.	No	1
23	110mm Access bend.	No	1
	<u>Testing:</u>		
24	Testing waste water pipe system.		Item
	<u>WATER SUPPLIES</u>		
	<u>Class 2 medium copper pipes:</u>		
25	15mm Pipe building into walls.	m	20
26	22mm Ditto.	m	20
	<u>Extra over class 2 copper pipes for brass compression fittings:</u>		
27	15mm Fittings.	No	6
28	22mm Fittings.	No	6
	<u>Testing:</u>		
29	Testing water supply pipe system.		Item
Carried Forward			R
Section No. 1 Bill No. 12 Plumbing and Drainage			

Brought Forward				R
<u>Sundry work in connection with all plumbing:</u>				
30	Form hole in 220mm brickwall not exceeding 100mm diameter including making good.	No	2	
Carried Forward to Summary of Section No. 1				R
Section No. 1				
Bill No. 12				
Plumbing and Drainage				

Item No	Quantity	Rate	Amount
<u>SECTION NO. 2</u>			
<u>BILL NO. 13</u>			
<u>PAINTWORK</u>			
The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>Proprietary products in descriptions:</u>			
Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.			
All work to be executed in strict accordance with the specifications of the paint manufacturer.			
Where surfaces of plaster etc are sandy / friable, the first coat must be replaced with plaster primer thinned 10% with turpentine.			
<u>PAINTWORK ETC TO PREVIOUSLY PAINTED SURFACES</u>			
<u>ON FIBRE-CEMENT</u>			
<u>One coat merit primer thinned 20% with Mineral Turpentine and two coats Wall and All paint according to manufacturers specification.</u>			
1	Fascias and barge boards.	m2	30
<u>Prepare and prime nail heads and apply one coat plaster primer thinned 5 parts to 1 part Mineral Turpentine and paint with two coats pva paint on:</u>			
2	Ceilings and cornices.	m2	164
<u>ON PLASTERED SURFACES</u>			
Carried Forward			R
Section No. 1 Bill No. 14 Paintwork			

Brought Forward			R
<u>Prepare surfaces, apply one coat merit plaster primer (PP700) and two coats pva (EPL/TAP) paint according to manufacturers specification.</u>			
3	Interior walls.	m2	411
<u>Prepare surfaces, apply one coat merit plaster primer (PP700) and two coats Wall and All paint according to manufacturers specification.</u>			
4	Exterior walls.	m2	239
<u>ON WOOD</u>			
<u>Prepare surfaces, apply one coat merit plaster primer (PP800) and two coats water based velvagio satin paint according to manufacturers specification.</u>			
5	Doors (all surfaces measured).	m2	55
<u>Prepare, knot and apply one coat woodcare pretreatment and two coats off woodcare interior water based wood varnish</u>			
6	Skirtings, rails, etc not exceeding 300mm girth.	m	135
<u>Three coats exterior quality penetrating wood preservative.</u>			
7	Roof timbers at eaves and verges.	m2	8
<u>ON METAL</u>			
<u>Clean down thoroughly with galvanised iron cleaner, Apply one coat of Plascon Plascoprime 170 Zinc Phosphate Primer (UC170) and finish with two full coats of Plascon Water based Velvagio Satin (VLW)</u>			
8	On windows	m2	45
Carried Forward to Summary of Section No. 1			R
Section No. 1			
Bill No. 14			
Paintwork			

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Item No		Quantity	Rate	Amount
	<u>CLINIC SERVICES BUILDING</u>			
	<u>SECTION NO. 3</u>			
	<u>BILL NO. 1</u>			
	<u>EARTHWORKS (PROVISIONAL)</u>			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Proprietary products in descriptions:</u>			
	Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.			
	<u>Nature of material to be excavated:</u>			
	The material to be excavated is assumed to be predominantly of a composition that will allow excavation in "earth" as specified, but including a percentage of excavation in "soft rock" and "hard rock".			
	<u>Carting away of excavated material:</u>			
	Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations, or alternatively, from stock piles situated on the building site.			
	<u>Dewatering of excavations:</u>			
	The Contractor shall allow for removing seepage and other water from subterranean sources from the excavations by pumping, baling or otherwise. Accurate records of all such dewatering shall be kept to determine the total volume of water so removed and a clear distinction shall be made between water from subterranean sources and other water			
	Carried Forward		R	
	Section No. 2			
	Bill No. 1			
	Earthworks			

Brought Forward			R
<u>Density testing on filling:</u>			
Rates for filling, etc. shall include for all density and soil type testing to prove that the specified compaction is achieved. When additional testing is done on instruction of the Principal Agent and these tests are successful, they will be paid for additionally.			
<u>Imported fill:</u>			
"Filling and bedding to trenches etc. to be in compliance with SABS 1200 DB and LB respectively"			
<u>EXCAVATION, FILLING, ETC</u>			
<u>Excavations, Filling, Etc.</u>			
1	Excavate in earth for surface trenches not exceeding 2000mm deep.	m3	38
2	Extra over excavations in earth to bases and trenches for excavation in soft rock	m3	4
3	Extra over excavations in earth to bases and trenches for excavation in hard rock.	m3	2
4	Extra over all excavations for carting away surplus excavated material.	m3	25
5	Allow for risk of collapse to sides of trench and base excavations not exceeding 1500mm deep.	m2	107
6	Earth filling, selected by the Contractor from the excavated material, deposited in layers not exceeding 150mm thick, watered and consolidated to 93% modified AASHTO density as backfilling to trenches, bases, etc.	m3	13
7	G5 filling, selected and supplied by the Contractor, deposited in layers not exceeding 150mm thick, watered and consolidated to 98% mod AASHTO density under floors, etc.	m3	15
8	Rip, scarify, mix and consolidate top 150mm of sub grade to 95% mod AASHTO density.	m2	44
Carried Forward			R
Section No. 2			
Bill No. 1			
Earthworks			

Brought Forward			R
<u>Prescribed density tests on filling:</u>			
9	Allow for compaction tests by an approved laboratory to determine density of filling material.	No	6
<u>Keeping excavations free of water</u>			
10	Keeping excavations free of all water other than subterranean water		Item
<u>Soil poisoning</u>			
11	Under floors, etc including forming and poisoning shallow furrows against foundation walls, surface beds, etc and filling in furrows and ramming	m2	44
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 1			
Earthworks			

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 3</u>			
	<u>BILL NO. 2</u>			
	<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities. <u>SUPPLEMENTARY PREAMBLES</u> <u>Proprietary products in descriptions:</u> Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent. <u>Cost of tests:</u> The costs of making, storing and testing of concrete test cubes as required under clause 7 'Tests' of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the Architect. The testing shall be undertaken by an independent firm or institution nominated by the Contractor to the approval of the Architect. (Test cubes are measured separately). <u>Formwork:</u> Descriptions of formwork shall be deemed to include use and waste only (except where described as left in or permanent), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use. The vertical strutting shall be carried down to such construction as is sufficiently strong to afford the required support without damage and shall remain in position until the newly constructed work is able to support itself.			
	Carried Forward		R	
	Section No. 2 Bill No. 2 Concrete, Formwork and Reinforcement			

Brought Forward			R
Formwork to soffits of solid slabs etc., shall be deemed to be to slabs not exceeding 250mm thick unless otherwise described.			
Formwork to sides of bases, pile caps, ground beams, etc., will only be measured where it is prescribed by the Engineer for design reasons. Formwork necessitated by irregularity or collapse of excavated faces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavations, provision for which is made in Earthworks.			
<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>			
<u>VIBRATED REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>			
<u>30 MPa/19 mm concrete</u>			
1	Strip footings	m3	11
<u>(25MPa) open stormwater channels with V-shaped waterway formed in top, finished smooth on all exposed surfaces</u>			
2	1000 x 110mm open concrete stormwater channel with 860 x 60mm deep 'V' channel with rounded salient edges and finished on exposed surfaces with (2:1) cement mortar, laid to falls in panels not exceeding 3,0m long with 12mm bitumen impregnated softboard movement joints with exposed edges raked out for a depth of 10mm and filled with bituminous compound on suitable 150mm subbase material compacted to 93% Mod A.A.S.H.T.O. density, including all necessary excavations, 250 micron dpm, formwork, ref 100 mesh, compaction, grading, carting away, etc.	m	45
3	Extra over channel for angles, intersections, ends, etc.	No	6
4	Extra over for widening concrete to form spreader 2500mm wide extreme for a length of 1250mm and bedding 150 x 150 x 150mm stone pitching embedded in newly cast wet concrete spaced at 300mm centre spacings to falls including brushing concrete between stones.	No	2
Carried Forward			R
Section No. 2			
Bill No. 2			
Concrete, Formwork and Reinforcement			

Brought Forward		
<u>VIBRATED REINFORCED CONCRETE</u>		
<u>30 MPa/19 mm concrete</u>		
5	Surface beds on waterproofing.	m3 6
6	Ramps cast in panels	m3 1
7	Ring beams	m3 5
<u>Finishing top surfaces of concrete to an evenly ribbed non-slip surface (broom finish):</u>		
8	Surface beds to falls, etc	m2 44
<u>TESTING</u>		
9	Concrete test cubes size 150 x 150 x 150mm overall including testing (Provisional).	No 12
<u>SMOOTH FORMWORK</u>		
<u>Formwork to Sides and Soffits:</u>		
10	Beams propped up not exceeding 3,5m high.	m2 50
<u>REINFORCEMENT</u>		
<u>High tensile steel reinforcement to structural concrete work:</u>		
11	10mm Diameter bars.	kg 800
<u>Fabric reinforcement:</u>		
12	REF. 193 fabric reinforcement in concrete surface beds, slabs, etc.	m2 44
Carried Forward to Summary of Section No. 2		
Section No. 2		
Bill No. 2		
Concrete, Formwork and Reinforcement		

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Item No		Quantity	Rate	Amount
	<u>SECTION NO. 3</u>			
	<u>BILL NO. 3</u>			
	<u>MASONRY</u>			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Proprietary products in descriptions:</u>			
	Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.			
	<u>BRICKWORK IN FOUNDATIONS (PROVISIONAL)</u>			
	<u>Brickwork of NFX bricks (14 MPa nominal compressive strength) in Class I mortar:</u>			
1	Half brick walls.	m2	12	
2	One brick walls.	m2	3	
3	One brick walls	m2	42	
	<u>BRICKWORK IN SUPERSTRUCTURE</u>			
	<u>Brickwork of NFP bricks (14 MPa nominal compressive strength) in Class II mortar:</u>			
4	Half brick walls.	m2	29	
5	Half brick walls in beamfilling	m2	6	
6	One brick walls.	m2	14	
7	270mm cavity walls	m2	120	
	Carried Forward			
	Section No. 2			
	Bill No. 3			
	Masonry			
			R	

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Brought Forward

BRICKWORK SUNDRIES

Bagging and sealing the outer face of the inner skin of walls with 1:3 cement and sand mixture and seal with two coats "Brixeal" bitumen emulsion waterproofing coating:

8	To walls (Provisional).	m2	120

Brickwork reinforcement:

9	75mm Wide reinforcement built in horizontally.	m	116

10	Ditto, but in foundations	m	93

11	150mm Wide reinforcement built in horizontally.	m	56

12	Ditto, but in foundations	m	30

13	230mm Wide reinforcement built in horizontally.	m	156

14	Ditto, but in foundations	m	312

Galvanised hoop iron cramps, ties, etc

15	32 x 1,6 mm Hoop iron roof tie 1500 mm long with one end fixed to timber and other end built into six courses of brickwork	No	32

Prestressed fabricated lintels:

16	110 x 75mm Lintels in lengths not exceeding 3m.	m	1

17	150 x 75mm Lintels in lengths not exceeding 3m.	m	15

FACE BRICKWORK

Firelight Travertine (FBX) facebricks pointed with square ruled recessed horizontal and vertical joints:

18	Extra over brickwork for face brickwork externally.	m2	100

19	Extra over brickwork for face brickwork in beamfilling.	m2	5

20	Ditto, but in foundations (Provisional).	m2	20

Brick-on-edge header course copings, sills, etc with recessed joints on all exposed faces:

Carried Forward

R

Section No. 2
Bill No. 3
Masonry

Brought Forward			R
<u>Note:</u> First and last bricks of sills to be solid.			
21	220mm Brick on edge sill bedded sloping and jointed in cement mortar and pointed on top, edge and projecting soffit including cutting and fitting between reveals and splay cutting brickwork under.	m	5
<u>Brick-on-edge header course copings, sills, etc with recessed joints on all exposed faces:</u>			
22	220mm Wide roller course to top of foundation walls bedded and jointed in cement mortar and pointed on top and one side as described.	m	5
<u>NUTEC-CEMENT OR OTHER APPROVED WINDOW SILLS</u>			
<u>Natural grey sills in single lengths bedded in class I mortar including metal fixing lugs, etc</u>			
23	15 x 150mm Wide sills set flat and slightly projecting	m	5
Carried Forward to Summary of Section No. 2			R
Section No. 2 Bill No. 3 Masonry			

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 3</u>			
	<u>BILL NO. 4</u>			
	<u>WATERPROOFING</u>			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Proprietary products in descriptions:</u>			
	Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.			
	<u>DAMPPROOFING OF WALLS AND FLOORS</u>			
	<u>One layer of 375 micron embossed dampcourse waterproof sheeting below walls, sills, etc:</u>			
1	Below walls, sills, etc.	m2	16	
	<u>250Micron Embossed Dampproof Sheeting</u>			
2	Under concrete slabs.	m2	45	
	<u>JOINT SEALANTS ETC</u>			
	<u>Clear Neutral silicone sealant:</u>			
3	In joint sealing and pointing around sanitary fittings	m	20	
	Carried Forward to Summary of Section No. 2			R
	Section No. 2			
	Bill No. 4			
	Waterproofing			

Brought Forward			R
<u>0,58mm concealed fixed zincalume AZ150 with Colorplus to top side roof sheeting including fixing to timber purlins (elsewhere measured) at approximately 1000mm centres including all clips, etc, strictly in accordance with manufacturer's specification.</u>			
1	Roof covering with pitch not exceeding 50 degrees.	m2	68
<u>0,8mm Nominal thickness ditto, but flashings:</u>			
2	Ridge 462mm girth with minimum 230mm laps, fixed to roof sheeting (measured net).	m	4
3	Moulded narrow and broad rib polyethelene filler blocks	m	8
<u>ROOF INSULATION</u>			
<u>Sisalation 420 housing grade reinforced aluminium foil and polyethylene insulation:</u>			
4	Insulation laid taut over purlins (at maximum 1000mm centres) and fixed concurrent with roof covering, including galvanised steel straining wires.	m2	68
<u>RAINWATER DISPOSAL (PROVISIONAL):</u>			
<u>Pre-painted aluminium rainwater goods:</u>			
5	150 x 130 x 150mm High eaves gutter fixed to falls in continuous lengths at not exceeding 600mm centres with and including approved gutter brackets.	m	27
6	Extra over eaves gutter for stop end.	No	4
7	Extra over eaves gutter for outlet for 100 x 75mm pipe.	No	3
8	100 x 75mm Rainwater pipes fixed to walls with and including approved holderbats at 900mm centres.	m	9
9	Extra over rainwater pipe for shoe.	No	3
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 5			
Roof Coverings Etc.			

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 3</u>			
	<u>BILL NO. 6</u>			
	<u>CARPENTRY AND JOINERY</u>			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Proprietary products in descriptions:</u>			
	Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.			
	<u>Prefabricated roof trusses:</u>			
	Prices must include for all cross and windbracing according to the manufacturer's instruction.			
	Prices must include for the design, plans and approval of all timber trusses and no claim shall be considered.			
	Pre-fabricated timber roof trusses shall comply with the requirements of SABS Specification 0163 and be constructed of South African pine as described in clause 8.5 to the designs shown on the Manufacturer's detail drawings. The timber shall be of cross-sectional dimensions shown, cut to correct lengths with ends square or at the required angle.			
	Trusses shall be assembled in truss fabricating jigs with the truss having the proper camber, all tightly clamped together with joints secured using approved connector plates of galvanised steel sheet. Connector plates shall be pressed into the timber simultaneously from both sides of the truss with a hydraulic press capable of exerting such pressure as will ensure complete penetration of the teeth into the timber.			
	Carried Forward		R	
	Section No. 2 Bill No. 6 Carpentry and Joinery			

Brought Forward

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The connector plates shall be of such size as will ensure that the joints so made will adequately withstand the forces exerted on the joints.

In coastal areas connector plates in buildings without ceilings shall be painted with two coats of epoxy tar complying with SABS Specification 801 Type 2, or rust neutralising paint.

Approval of pre-fabricated roofing systems, whether measured as an alternative or not, shall be subject to the following requirements:

(a) The Manufacturer of the pre-fabricated trusses shall hold a certificate of competence issued by the Institute for Timber Construction.

(b) A polyester print, size A1 having a minimum thickness of 0,5mm, shall be submitted by the Contractor to the Structural Engineer at an early stage for approval by the Directorate: Structural Engineering Services.

(c) The drawings shall be signed by a Registered Professional Engineer whose name appears on the Departmental panel for structural work.

(d) In the case of systems buildings, approval shall be given with submission of the contract drawings on acceptance of the tender.

The following minimum information shall be shown on the drawings:

- (a) Details of the roof system with the position of the rafters and purlins indicated thereon as well as typical elevations.
- (b) Bracing as recommended by the Institute for Timber Construction.
- (c) Sizes and grading of the timber components.
- (d) Truss sizes, e.g. height of ridge or angle of pitch.
- (e) Plate sizes for every construction point. (Code numbers only are deemed insufficient).

Carried Forward

R

Section No. 2
Bill No. 6
Carpentry and Joinery

	Brought Forward			R
	(f) Seperate connection details for hip, valley and jack rafters.			
	(g) Maximum spacing for purlins and brandering to ceilings shall be according to Subclauses 7.6.1 and 7.6.2 and Clauses 7.8, 7.9 and 9.5.			
	(h) The type of roof covering as well as the design load. Over and above the supervision undertaken by the Representative / Agent, the Truss Fabricator or his Design Engineer shall inspect the completed roof structure and issue a certificate of confirmation to the Department that: "The roof structure(s) has (have) been erected in accordance with the Design Engineer's drawings, as accepted by the Department, and the relevant details given in the manual "THE ERECTION AND BRACING OF TIMBER ROOF TRUSSES" issued by the National Timber Research Institute and the Institute for Timber Construction".			
	<u>Joinery:</u> Descriptions of frames shall be deemed to include frames, transomes, mullions, rails, etc. Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes. <u>Fixing:</u> All nailing of timber roof trusses, purlins, etc shall be done with galvanised nails. In coastal areas, copper, aluminium or stainless steel nails shall be used. Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete. Where items are described as "bolted" the bolts have been measured elsewhere.			
	<u>ROOFS ETC</u>			
	<u>Sawn softwood:</u>			
1	38 x 114mm Wall plate.	m	25	
	Carried Forward			R
	Section No. 2 Bill No. 6 Carpentry and Joinery			

Brought Forward			R
<u>Wrought softwood:</u>			
2	50 x 76mm Purlins.	m	67
<u>Sundries:</u>			
3	MiTek® eCo hurricane clip fixed using Permfix nails or bolts through pre-drilled holes.	No	60
<u>PREFABRICATED ROOF TRUSSES, ETC.</u>			
<u>Prefabricated timber roof trusses shall be constructed of South African pine by a firm of specialist designer manufacturers. Trusses to be a maximum of 1200mm centres and are to support metal roof covering. Ceilings are either gypsum plasterboard or claddit (suspended or fixed). Prices must include for the design , plans and approval of all timber trusses and no claim shall be considered. An Engineers approval certificate is required once the roof truss installation is complete and is for the contractors account.</u> Note: Bidders are referred to the Architects roof plan drawings accompanying these bills of quantities for tender purposes. Specifications and calculations of prefabricated roof must be supplied by the contractor on award of the contract. Descriptions (prices) shall be deemed to include design.			
4	Mono pitch roof truss with 3410mm span between plates to 25degree pitch including a 600mm overhang on one side	No	12
5	Mono pitch roof truss with 3570mm span between plates to 25degree pitch including a 600mm overhang on one side	No	3
6	Allow for bracing, cross bracing, connecting clips, fixing brackets, hurricane clips, etc., as required for fixing in position of roof trusses as described in accordance with the manufacturer's instructions.	Item	
<u>EAVES, VERGES, ETC</u>			
Carried Forward			R
Section No. 2 Bill No. 6 Carpentry and Joinery			

Brought Forward			R
<u>Pressed fibre-cement:</u>			
7	15 x 225mm Fascia board three times drilled, and brass screwed to and including 38 x 50 x 114mm long S.A. Pine cleats twice brass screwed to rafter foot including galvanised steel H-profile jointing strips, screws, holes etc.	m	27
8	80 x 275 x 12mm Barge board drilled and brass screwed to purlin ends including galvanised steel H-profile jointing strips, screws, holes etc.	m	25
9	Eaves soffit covering of 6mm thick fibre cement ceiling sheets including 38 x 38mm sawn softwood banding along edges, along centre and at 400mm centres across sheets	m2	15
<u>DOORS ETC</u>			
<u>"Swartland PD1" or similar approved exterior door:</u>			
10	44mm Thick, single flush door, size 813 x 2,032mm high.	No	3
<u>"Swartland PR" or similar approved open back exterior door:</u>			
11	44mm Thick, double door with rebated meeting stiles, size 1674 x 2,032mm high.	No	3
<u>FRAMED FRAMES ETC</u>			
<u>Wrought meranti:</u>			
12	38 x 76mm "Swartland" or similar approved rebated and angle rounded door frames plugged.	m	33
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 6			
Carpentry and Joinery			

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 3</u>			
	<u>BILL NO. 7</u>			
	<u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u>			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Proprietary products in descriptions:</u>			
	Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.			
	<u>Descriptions:</u>			
	Items described as nailed shall be deemed to be fixed with hardened steel nails or pins or shot pinned to brickwork or concrete.			
	Items described as plugged shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres, and where described as bolted the bolts have been given.			
	<u>NAILED UP CEILINGS</u>			
	<u>6mm "Everite Nutec" fibre cement board with H-profile white pvc jointing strips:</u>			
1	Ceilings including 38 x 50mm sawn softwood bandering at 400mm centres with cross bandering at joints, ends of sheets and at light fittings, etc.	m2	44	
2	Extra over Fibre-cement ceiling for forming trap door size 630 x 630mm in clear formed with 38 x 50mm sawn S.A. pine framing covered with ceiling boarding and set in 38 x 76mm wrought S.A. pine rebated kerb, including trimmers.	No	2	
	Carried Forward			
	Section No. 2			
	Bill No. 7			
	Ceilings, Partitions and Access Flooring			
			R	

Brought Forward			R
<u>Rhino Gypsum plasterboard cornices</u>			
3	75 mm Coved cornices	m	59
<u>Non-combustible polyester thermal insulation of a density of not less than 10kg/m3:</u>			
4	135mm Insulation in blanket form closely fitted and laid on top of branderling between roof timbers etc.	m2	44
Carried Forward to Summary of Section No. 2			
Section No. 2			
Bill No. 7			
Ceilings, Partitions and Access Flooring			

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 3</u> <u>BILL NO. 8</u> <u>IRONMONGERY</u> The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities. <u>SUPPLEMENTARY PREAMBLES</u> <u>Proprietary products in descriptions:</u> Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent: <u>Finishes to ironmongery:</u> Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list BS Satin bronze lacquered CP Chromium plated SC Satin chromium plated SE Silver enamelled GE Grey enamelled AS Anodised silver AB Anodised bronze AG Anodised gold ABL Anodised black PB Polished brass PL Polished and lacquered PT Epoxy coated SD Sanded Fixing: Descriptions of wall mounted and floor standing ironmongery items shall be deemed to include for fixing in position and all fixing accessories Descriptions of proprietary items shall be deemed to include fixing in position and all fixing accessories Ironmongery to be Union or similar approved <u>HINGES, BOLTS, ETC</u> <u>"Union" or similar approved</u>			
1	100 x 75mm heavy duty nylon washered brass butt hinges.	No	21	
	Carried Forward			
	Section No. 2 Bill No. 8 Ironmongery		R	

Brought Forward			R
2	150 x 20mm flush bolts	No	3
3	Bathroom indicator bolt (Code: CZ80941SCR)	No	1
<u>LOCKS</u>			
<u>"Union" or similar approved</u>			
4	Four lever approved mortice lockset (Union 2277-78) complete with approved chromium plated handles.	No	4
<u>SUNDRIES</u>			
5	32mm Diameter black rubber door stop plugged to concrete floor.	No	8
<u>BATHROOM FITTINGS</u>			
<u>Bathroom fittings etc.:</u>			
6	Stainless steel toilet roll holder Code:TR2 or similar approved, plugged/ screwed to wall complete.	No	1
<u>STEEL LOCKERS</u>			
<u>Steel lockers, etc</u>			
7	4 tier steel locker, size 300 x 450 x 1800mm high	No	4
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 8			
Ironmongery			

Brought Forward			R
<u>"NUKLIP TE NKCAFE" or similar approved powder coated aluminium windows, factory glazed with 6.38mm laminated safety glass with clip-on glazing beads, with neoprene seals and fixed with minimum three lugs per side in accordance with manufacturers instructions:</u>			
2	Window, size 950 x 1030mm glazed with 6.38mm laminated safety glass.	No	3
3	Window, size 950 x 1030mm glazed with 6.38mm laminated safety glass at bottom panel and aluminium louvres with mesh in the top panel	No	2
<u>STAINLESS STEEL TABLES</u>			
<u>Grade 304 (18/10) stainless steel</u>			
4	Stainless steel table model, size 1500mm long x 650 deep x 910mm high with a 150mm splash back.	No	1
5	Stainless steel table model, size 2250mm long x 650 deep x 910mm high with a 150mm splash back.	No	1
<u>WASTE BINS</u>			
<u>Waste bins, etc</u>			
6	240LT wheelie garbage bin	No	8
<u>ALUMINIUM LOUVRE UNITS</u>			
<u>Powder coated aluminium louvre units</u>			
7	Louvre unit 450 x 265mm high fixed to the external face of brickwork as per the manufacturer's instructions	No	3
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 9			
Metalwork			

Item No	Quantity	Rate	Amount
<u>SECTION NO. 3</u>			
<u>BILL NO. 10</u>			
<u>PLASTERING</u>			
The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>Proprietary products in descriptions:</u>			
Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.			
<u>SCREEDS</u>			
<u>3:1 Cement plaster screeds steel trowelled on concrete:</u>			
1	25mm thick on floors. m2	44	
<u>Prepare and clean surface and apply 3-5mm "ABE" or similar approved self-levelling screed, in strict accordance with manufacturer's instructions, to form an even surface to receive vinyl sheeting (elsewhere measured):</u>			
2	On new screeded floors (Provisional). m2	25	
<u>INTERNAL PLASTER</u>			
<u>Cement plaster on brick walls:</u>			
3	On walls. m2	158	
4	On narrow widths. m2	3	
<u>EXTERNAL PLASTER</u>			
Carried Forward			R
Section No. 2 Bill No. 10 Plastering			

Brought Forward				R
<u>Cement plaster on brickwork</u>				
5	On walls	m2	20	
Carried Forward to Summary of Section No. 2				R
Section No. 2				
Bill No. 10				
Plastering				

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 3</u>			
	<u>BILL NO. 11</u>			
	<u>TILING</u>			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities. Any reference to trade names in the Bills of Quantities or Architect's specification or drawings shall deem to mean "or similar and approved"			
	<u>DETAIL DESCRIPTION AND SPECIFICATION</u>			
	Note: It is the responsibility of the specialist tiler to study the drawings and design and to allow for the design and execution of special fixing accessories, expansion joints, etc			
	<u>GENERAL PREAMBLES</u>			
	Samples - With reference to all items and colour schemes: Samples off all items is to be presented for approval prior to any bulk orders. Please take note that most items will have at least six week delivery period, these approvals will only take place at dates off site meetings, the samples need to be approved well in advance to avoid any delays with lead time on orders. All samples must remain in the sample room for the duration of the contract.			
	<u>WALL TILING</u>			
	<u>200 x 200mm white glazed ceramic tiles fixed with approved adhesive and anti-bacteria grouting laid as per the manufacturer's specifications</u>			
1	On smooth plastered walls.	m2	11	
	<u>48 x 48 x 4mm mosaic tiles in 300 x 300mm sheets, on TAL mosaic fix and grout</u>			
2	On walls	m2	1	
	Carried Forward			
	Section No. 2			
	Bill No. 11			
	Tiling			
			R	

Brought Forward

R

FLOOR TILING

**300 x 300 "Johnson KER 506" or equally approved
tiles with 3mm joints fixed to walls with approved
tile adhesive to plastered walls and waterproof tile
grouting to joints**

3	On floors	m2	16
4	Cut skirting 100mm high	m	21

Carried Forward to Summary of Section No. 2

Section No. 2
Bill No. 11
Tiling

R

Rate

Amount

BILL NO. 12

PLUMBING AND DRAINAGE **(PROVISIONAL)**

The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.

SUPPLEMENTARY PREAMBLES

Proprietary products in descriptions:

Proprietary products shall be used as specified.
Substitute products of similar quality and specification
may only be used with prior approval by the Principal
Agent.

PREAMBLES

The Tenderer is referred to the relevant Clauses in the Model Preambles for Trades (1999 Edition), the Department of Public Works document No. PW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.

Copper pipes

Pipes shall be hard drawn and half-hard pipes of the class stated. Class O (thin walled hard drawn) pipes shall not be bent. Class 1 (thin walled half-hard), class 2 (half-hard) and class 3 (heavy walled half-hard) pipes shall only be bent with benders with inner and outer formers. Fittings to copper waste, vent and anti-siphon pipes, capillary solder fittings and compression fittings shall be "Cobra Watertech" type. Capillary solder fittings shall comply with ISO 2016. Only compression fittings shall be used in walls or in ground

Carried Forward

R

Section No. 2
Bill No. 12
Plumbing and Drainage

Brought Forward

R

Reducing fittings

Where fittings have reducing ends or branches they are described as "reducing". In the case of pipes with diameters not exceeding 60 mm only the largest end or branch size is given. Should the contractor wish to use other fittings and bushes or reducers he may do so on the understanding that no claim in this regard will be entertained. In the case of pipes with diameters exceeding 60 mm all sizes are given and no claim for extra bushes, reducers, etc will be entertained

Exposed concrete surfaces

Exposed surfaces of concrete stormwater channels, cover slabs, inspection eye marker slabs, gulley tops, cleaning eye tops, catchpits, inspection chambers, etc shall be finished smooth with plaster

Excavations

No claim for rock excavation will be entertained unless the contractor has timeously notified the quantity surveyor thereof prior to backfilling

"Soft rock" and "hard rock" shall be as defined in "Earthworks"

Laying, backfilling, bedding, etc of pipes

Pipes shall be laid and bedded and trenches shall be carefully backfilled in accordance with manufacturers' instructions

Carried Forward

R

Section No. 2
Bill No. 12
Plumbing and Drainage

Brought Forward			R
Where no manufacturers' instructions exist pipes shall be laid in accordance with clauses 5.1 and 5.2 of each of the following: SABS 1200 L : Medium-pressure pipelines SABS 1200 LD : Sewers SABS 1200 LE : Stormwater drainage Pipe trenches etc shall be backfilled in accordance with clauses 3, 5.5, 5.6, 5.7 and 7 of SABS 1200 DB : Earthworks (Pipe trenches) Pipes shall be bedded in accordance with clauses 3.1 to 3.4.1, 5.1 to 5.3 and 7 of SABS 1200 LB : Bedding (Pipes) Unless otherwise described bedding of rigid pipes shall be class B bedding <u>Flush pans</u> Flush pans shall have straight or side outlets and "P" or "S" traps as necessary <u>Stainless steel basins, sinks, wash troughs, urinals, etc</u> <u>Where sanitary fittings are fixed to walls, silicone finish between fitting and wall</u> Units shall have standard aprons on all exposed edges and tiling keys against walls where applicable <u>Waste unions</u> Descriptions of waste unions shall be deemed to include rubber or vulcanite plugs and chains fixed to fittings unless otherwise stated <u>SOIL DRAINAGE</u> <u>Vitrified clay gulleys</u>			
1	100mm Dished gulley not exceeding 1000mm deep	No	2
<u>uPVC Soil pipes (SABS 791-1986):</u>			
2	40mm Pipe and fixing to walls, falls, in concrete, etc.	m	10
Carried Forward			R
Section No. 2 Bill No. 12 Plumbing and Drainage			

Brought Forward			R
3	110mm Pipes vertically or ramped to cleaning eyes etc in and including trenches not exceeding 1000mm deep.	m	5
4	110mm Pipes laid in ground not exceeding 1000mm deep including all excavations in earth, bedding cradle and blanket fill of selected granular material, main fill compacting in layers not exceeding 150mm thick, adjust moisture content to optimum and compact to a density of 90% Modified AASHTO in drain trenches including carting off surplus displaced material.	m	50
<u>Extra over uPVC pipes for fittings:</u>			
5	40 mm Adaptor	No	5
6	40 mm Bend	No	4
7	40 mm Access bend	No	2
8	110mm Access bend.	No	10
9	110 mm "GI two-way" vent valve	No	2
<u>SANITARY FITTINGS</u>			
<u>Grade 304 (18/10) stainless steel</u>			
10	Model ET101, 540 x 440mm single compartment laundry trough	No	2
11	Model CH 540 x 545 mm slop hopper unit with grid with 13 litre high level stainless steel cistern and flush pipe	No	1
<u>"Vaal" or similar approved</u>			
12	"Hibiscus" white vitreous china wash hand basin colour white(Code: 7008033), size 510 x 400mm with three semi-punched taphole including fixing bolts (VAA-8448Z0), intergrated overflow and chainstay	No	2
13	"Orchid " white vitreous china closed coupled W.C. suite colour white 90 degree wall hung open rim pan (Code: 439016), fixing brackets (Code: 8084Z0), lid (Code: 8531Z0) and Hibiscus Elite Duct concealed 6 Litre duct cistern (Code: 7116DP)	No	1
<u>WASTE UNIONS, ETC</u>			
Section No. 2 Bill No. 12 Plumbing and Drainage			
Carried Forward			R

Brought Forward				R
<u>"Cobra Watertech" or similar approved</u>				
14	32mm 303 CP basin waste plug	No	2	
15	90mm waste fitting	No	1	
16	"Franke Spazi F/2" or similar approved single bowl plumbing kit	No	1	
17	"Franke Spazi F/2" or similar approved double bowl plumbing kit	No	1	
18	"Franke" or similar approved 90mm basket strainer waste plug	No	3	
<u>TRAPS, ETC</u>				
<u>"Cobra Watertech" or similar approved</u>				
19	32 mm 345 CP bottle trap	No	2	
20	40 mm VA 2.341 shower "P" trap	No	1	
<u>TAPS, VALVES, ETC</u>				
<u>"Cobra Watertech" or similar approved</u>				
21	15mm 1003/125 RB fullway gate valve	No	4	
22	22 mm 1003/125 RB fullway gate valve	No	4	
23	832/350F angle stop valve and 350mm braided flexi hose.	No	5	
24	15mm LO-296 CP sink mixer	No	2	
25	15 mm 111-15 Star Pillar tap	No	4	
26	15mm "Cobra CXC" or similar approved stop tap (Code: 238N)	No	2	
27	15 x 150mm shower arm	No	1	
28	15 standard ball joint shower head	No	1	
29	PB 1.10 RB vacuum breaker	No	1	
30	20 mm PA 3.132 "Masterflo 1" pressure reducing valve	No	1	
Carried Forward				R
Section No. 2 Bill No. 12 Plumbing and Drainage				

Brought Forward			R
<u>WATER SUPPLIES</u>			
<u>Class 2 copper pipes</u>			
31	15 mm Pipe and fixing to walls, floors, in roofs, soffit of concrete slab in concrete, etc.	m	35
32	Ditto, but 22mm pipe	m	35
<u>Extra over class 2 copper pipes for capillary fittings to DIN2856, ISO2016 and BS 864</u>			
33	15mm Fittings	No	25
34	22mm Fittings	No	25
<u>ELECTRIC WATER HEATERS</u>			
<u>Electric water heaters:</u>			
35	100 litre 'Kwikot 600 Dual' or similar approved hot water heater with three kilowatt element, draincock and safety valve and fix on geyser tray (elsewhere measured) in roof space and joints to three 22mm copper pipes including connectors. (Electrical connection by Electrician).	No	1
36	'Kwikot' or similar approved polyethylene geyser tray to suit 50 litre horizontal geyser in roof space with socketed connection for overflow pipe.	No	1
<u>TESTING</u>			
37	Allow for testing all drains, sanitary plumbing and water supplies to the satisfaction of the Architect and to Municipal requirements. All defective work is to be taken out and replaced at the Contractor's expense.	Item	
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 12			
Plumbing and Drainage			

Brought Forward			R
<u>Prepare surfaces, apply one coat merit plaster primer and two coats plascon double velvet paint according to manufacturers specification.</u>			
3	Interior walls.	m2	161
<u>Prepare surfaces, apply one coat merit plaster primer (PP700) and two coats Wall and All paint according to manufacturers specification.</u>			
4	Exterior walls.	m2	35
<u>ON WOOD</u>			
<u>Prepare surfaces, apply one coat merit plaster primer (PP800) and two coats water based velvagio satin paint according to manufacturers specification.</u>			
5	Doors (all surfaces measured).	m2	29
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 13			
Paintwork			

SECTION SUMMARY - SECTION NO 3: CLINIC SERVICES BUILDING			Amount	
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Carried to Final Summary			R	
Section No. 2				

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 4</u>			
	<u>BILL NO. 1</u>			
	<u>TOILET BLOCK AND COVERED WALKWAYS</u>			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Proprietary products in descriptions:</u>			
	Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.			
	<u>EXCAVATION, FILLING, ETC</u>			
	<u>Site Clearance, Excavations, Filling, Etc.</u>			
1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc	m2	45	
2	Excavate in earth for surface trenches not exceeding 2000mm deep.	m3	43	
3	Excavate in earth to reduce levels	m3	6	
4	Extra over excavations in earth to bases and trenches for excavation in soft rock	m3	9	
5	Extra over excavations in earth to bases and trenches for excavation in hard rock.	m3	5	
6	Extra over all excavations for carting away surplus excavated material.	m3	81	
7	Allow for risk of collapse to sides of trench and base excavations not exceeding 1500mm deep.	m2	156	
	Carried Forward			
	Section No. 3			
	Bill No. 1			
	Toilet Block			
			R	

Brought Forward			R
8	Earth filling, selected by the Contractor from the excavated material, deposited in layers not exceeding 150mm thick, watered and consolidated to 93% modified AASHTO density as backfilling to trenches, bases, etc.	m3	9
9	G5 filling, selected and supplied by the Contractor, deposited in layers not exceeding 150mm thick, watered and consolidated to 98% mod AASHTO density under floors, etc.	m3	8
10	Rip, scarify, mix and consolidate top 150mm of sub grade to 95% mod AASHTO density.	m2	87
<u>Prescribed density tests on filling:</u>			
11	Allow for compaction tests by an approved laboratory to determine density of filling material.	No	6
<u>SOIL POISONING</u>			
<u>Approved brand of anti-termite soil poison applied by a Registered Pest Control company and guaranteed against termite infestation for five years</u>			
12	Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m2	87
<u>VIBRATED REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>			
<u>30 MPa/19 mm concrete</u>			
13	Strip footings	m3	7
14	Bases	m3	5
Carried Forward			R
Section No. 3 Bill No. 1 Toilet Block			

Brought Forward			R
<u>(25MPa) open stormwater channels with V-shaped waterway formed in top, finished smooth on all exposed surfaces</u>			
15	1000 x 110mm open concrete stormwater channel with 860 x 60mm deep 'V' channel with rounded salient edges and finished on exposed surfaces with (2:1) cement mortar, laid to falls in panels not exceeding 3,0m long with 12mm bitumen impregnated softboard movement joints with exposed edges raked out for a depth of 10mm and filled with bituminous compound on suitable 150mm subbase material compacted to 93% Mod A.A.S.H.T.O. density, including all necessary excavations, 250 micron dpm, formwork, ref 100 mesh, compaction, grading, carting away, etc.	m	30
16	Extra over channel for angles, intersections, ends, etc.	No	4
17	Extra over for widening concrete to form spreader 2500mm wide extreme for a length of 1250mm and bedding 150 x 150 x 150mm stone pitching embedded in newly cast wet concrete spaced at 300mm centre spacings to falls including brushing concrete between stones.	No	1
<u>VIBRATED REINFORCED CONCRETE</u>			
<u>30 MPa/19 mm concrete</u>			
18	Surface beds on waterproofing.	m3	3
<u>Finishing top surfaces of concrete smooth with a wood float:</u>			
19	Surface beds, slabs, etc	m2	28
<u>Finishing top surfaces of concrete to an evenly ribbed non-slip surface (broom finish):</u>			
20	Surface beds to falls.	m2	4
<u>CONCRETE TESTS</u>			
<u>Test blocks:</u>			
21	Making and testing set of three 150x150x150mm concrete strength test cubes (Provisional).	No	12
Carried Forward			R
Section No. 3 Bill No. 1 Toilet Block			

Brought Forward			R
<u>FORMWORK</u>			
<u>Smooth Formwork to Sides and Soffits:</u>			
22	Edges, risers, ends and reveals not exceeding 300mm high or wide.	m	30
<u>REINFORCEMENT (PROVISIONAL)</u>			
<u>Fabric reinforcement:</u>			
23	REF. 193 fabric reinforcement in concrete surface beds, slabs, etc.	m2	32
<u>BRICKWORK IN FOUNDATIONS (PROVISIONAL)</u>			
<u>Brickwork of NFX bricks (14 MPa nominal compressive strength) in Class I mortar:</u>			
24	Half brick walls.	m2	4
25	One brick walls.	m2	38
<u>BRICKWORK IN SUPERSTRUCTURE</u>			
<u>Brickwork of NFP bricks (14 MPa nominal compressive strength) in Class II mortar:</u>			
26	Half brick walls.	m2	8
27	Half brick walls in beamfilling.	m2	3
28	One brick walls.	m2	131
<u>BRICKWORK SUNDRIES</u>			
<u>Bagging and sealing the outer face of the inner skin of walls with 1:3 cement and sand mixture and seal with two coats "Brixeal" bitumen emulsion waterproofing coating:</u>			
29	To walls (Provisional).	m2	82
<u>Brickwork reinforcement:</u>			
30	75mm Wide reinforcement built in horizontally.	m	44
Carried Forward			R
Section No. 3 Bill No. 1 Toilet Block			

Brought Forward			R
31	Ditto, but in foundations	m	36
32	150mm Wide reinforcement built in horizontally.	m	524
33	Ditto, but in foundations	m	380
<u>Galvanised hoop iron cramps, ties, etc</u>			
34	30 x 1,6 mm Hoop iron roof tie 1500 mm long with one end fixed to timber and other end built into six courses of brickwork	No	16
<u>Prestressed fabricated lintels:</u>			
35	110 x 75mm Lintels in lengths not exceeding 3m.	m	21
<u>FACE BRICKWORK</u>			
<u>Firelight Travertine (FBX) facebricks pointed with square ruled recessed horizontal and vertical joints:</u>			
36	Extra over brickwork for face brickwork externally.	m2	82
37	Extra over brickwork for face brickwork in beamfilling.	m2	5
38	Ditto, but in foundations (Provisional).	m2	13
<u>Brick-on-edge header course copings, sills, etc with recessed joints on all exposed faces:</u>			
<u>Note:</u>			
First and last bricks of sills to be solid.			
39	220mm Brick on edge sill bedded sloping and jointed in cement mortar and pointed on top, edge and projecting soffit including cutting and fitting between reveals and splay cutting brickwork under.	m	4
<u>Brick-on-edge header course copings, sills, etc with recessed joints on all exposed faces:</u>			
40	220mm Wide roller course to top of foundation walls bedded and jointed in cement mortar and pointed on top and one side as described.	m	7
<u>NUTEC-CEMENT OR OTHER APPROVED WINDOW SILLS</u>			
Carried Forward			R
Section No. 3			
Bill No. 1			
Toilet Block			

Brought Forward			R
<u>Natural grey sills in single lengths bedded in class I mortar including metal fixing lugs, etc</u>			
41	15 x 150mm Wide sills set flat and slightly projecting	m	4
<u>BRICK PAVING</u>			
<u>Interlocking precast concrete (25 MPa) paving blocks laid with butt joints on 50mm thick river sand bed and sand/cement mix between joints</u>			
42	Paving of 50mm thick blocks including edge blocks to falls and cross falls	m2	131
<u>DAMPPROOFING OF WALLS AND FLOORS</u>			
<u>One layer of 375 micron embossed dampcourse waterproof sheeting below walls, sills, etc:</u>			
43	Below walls, sills, etc.	m2	11
<u>250Micron Embossed Dampproof Sheeting</u>			
44	Under concrete slabs.	m2	32
<u>RIBBED SHEETING AND ACCESSORIES</u>			
<u>0,58mm concealed fixed zincalume AZ150 with Colorplus to top side roof sheeting including fixing to timber purlins (elsewhere measured) at approximately 1000mm centres including all clips, etc, strictly in accordance with manufacturer's specification.</u>			
45	Roof covering with pitch not exceeding 50 degrees.	m2	112
<u>ROOF INSULATION</u>			
<u>Sisalation 420 housing grade reinforced aluminium foil and polyethylene insulation:</u>			
46	Insulation laid taut over purlins (at maximum 1000mm centres) and fixed concurrent with roof covering, including galvanised steel straining wires.	m2	58
<u>RAINWATER DISPOSAL (PROVISIONAL):</u>			
Carried Forward			R
Section No. 3 Bill No. 1 Toilet Block			

Brought Forward			R
<u>Pre-painted aluminium rainwater goods:</u>			
47	150 x 130 x 150mm High eaves gutter fixed to falls in continuous lengths at not exceeding 600mm centres with and including approved gutter brackets.	m	52
48	Extra over eaves gutter for bend.	No	3
49	Extra over eaves gutter for stopped end.	No	4
50	Extra over eaves gutter for outlet for 100 x 75mm pipe.	No	3
51	100 x 75mm Rainwater pipes fixed to walls with and including approved holderbats at 900mm centres.	m	9
52	Extra over rainwater pipe for shoe.	No	3
<u>ROOFS ETC</u>			
<u>Sawn softwood:</u>			
53	38 x 114mm Wall plate.	m	17
54	50 x 76mm Purlins.	m	37
55	50 x 76mm Bearer fascia support (Provisional).	m	12
<u>Wrought softwood:</u>			
56	76 x 76mm Splayed eaves purlin.	m	19
<u>Sundries:</u>			
57	Hurricane clip fixed using permfix nails or bolts through pre-drilled holes.	No	48
<u>Laminated S. A. pine:</u>			
58	75 x 228mm beam.	m	73
<u>PREFABRICATED ROOF TRUSSES, ETC.</u>			
Carried Forward			R
Section No. 3 Bill No. 1 Toilet Block			

Brought Forward		R	
<u>Prefabricated timber roof trusses shall be constructed of South African pine by a firm of specialist designer manufacturers. Trusses to be a minimum of 1200mm centres and are to support metal roof covering. Ceilings are either gypsum plasterboard or claddit (suspended or fixed). Prices must include for the design , plans and approval of all timber trusses and no claim shall be considered. An Engineers approval certificate is required once the roof truss installation is complete and is for the contractors account.</u> <u>Plate nailed timber roof truss construction:</u> Note: Tenderers are referred to the Architects roof plan drawings annexed to these bills of quantities / accompanying these bills of quantities for tender purposes. Specifications and calculations of prefabricated roof must be supplied by the contractor on award of the contract. Descriptions (prices) shall be deemed to include design.			
59	Double pitched roof truss 4490mm span between plates to 30 degree pitch with 600mm eaves overhang both ends.	No	8
60	Allow for bracing, cross bracing, connecting clips, fixing brackets, hurricane clips, etc., as required for fixing in position of roof trusses as described in accordance with the manufacturer's instructions.		Item
<u>EAVES, VERGES, ETC</u>			
<u>Pressed fibre-cement:</u>			
61	15 x 225mm Fascia board three times drilled, and brass screwed to and including 38 x 50 x 114mm long S.A. Pine cleats twice brass screwed to rafter foot including galvanised steel H-profile jointing strips, screws, holes etc.	m	52
62	80 x 275 x 12mm Barge board drilled and brass screwed to purlin ends including galvanised steel H-profile jointing strips, screws, holes etc.	m	45
<u>DOORS ETC</u>			
Carried Forward		R	
Section No. 3 Bill No. 1 Toilet Block			

Brought Forward			R
<u>Semi solid masonite flush panel doors with concealed hardwood edges all round hung to timber frames</u>			
63	40mm single door 813 x 2032mm high	No	3
<u>Wrought meranti doors:</u>			
64	44 mm Framed batten door 813 x 2032 mm high of 44 x 146 mm top rail and stiles, 22 x 146 mm middle ledge and braces and 22 x 222 mm bottom rail filled in with 22 mm V-jointed one side boarding and covered on other side with 3 mm plywood with veneer to match door let into and including rebates all round	No	2
65	44 mm Framed batten door 966 x 2032 mm high of 44 x 146 mm top rail and stiles, 22 x 146 mm middle ledge and braces and 22 x 222 mm bottom rail filled in with 22 mm V-jointed one side boarding and covered on other side with 3 mm plywood with veneer to match door let into and including rebates all round	No	1
<u>BEADS, ARCHITRAVES, ETC</u>			
<u>Sundries:</u>			
66	38 x 76 mm Chamfered and grooved weatherboard fixed in and including groove or rebate in underside of door.	m	2
<u>NAILED UP CEILINGS</u>			
<u>6mm "Everite Nutec" fibre cement board with H-profile white pvc jointing strips:</u>			
67	Ceilings including 38 x 50mm sawn softwood brandering at 400mm centres with cross brandering at joints, ends of sheets and at light fittings, etc.	m2	32
68	Extra over Fibre-cement ceiling for forming trap door size 630 x 630mm in clear formed with 38 x 50mm sawn S.A. pine framing covered with ceiling boarding and set in 38 x 76mm wrought S.A. pine rebated kerb, including trimmers.	No	1
<u>Rhino Gypsum plasterboard cornices</u>			
69	75 mm Coved cornices	m	43
Carried Forward			R
Section No. 3 Bill No. 1 Toilet Block			

Brought Forward			R
<u>Non-combustible polyester thermal insulation of a density of not less than 10kg/m3:</u>			
70	135mm Insulation in blanket form closely fitted and laid on top of branderling between roof timbers etc.	m2	32
<u>HINGES, BOLTS, ETC</u>			
<u>"Union" or similar approved</u>			
71	100 x 75mm heavy duty nylon washered brass butt hinges.	No	12
72	Bathroom indicator bolt (Code: CZ80941SCR)	No	3
73	37651AS Helping hand indicator bolt	No	1
<u>LOCKS</u>			
<u>"Union" or similar approved</u>			
74	Four lever approved mortice lockset (Union 2277-78) complete with approved chromium plated handles.	No	3
<u>Sundries:</u>			
75	32mm Diameter black rubber door stop plugged to concrete floor.	No	6
<u>BATHROOM FITTINGS ETC.</u>			
<u>"Stainless steel grab rails"</u>			
76	DL2 Stainless steel wall mounted side grab rail plugged	No	1
77	SR2 Stainless steel wall mounted rear grab rail around cistern plugged	No	1
<u>"Franke" or similar approved stainless steel fittings</u>			
78	Paper towel dispenser plugged (Code AYT-001B)	No	2
79	Wall mounted waster bin plugged (Code 2120097)	No	2
80	Soap dispenser plugged (Code - ASR1-3D2S)	No	3
81	Standard lockable toilet paper dispenser Type TPSS3A holds 3 rolls).	No	3
Carried Forward			R
Section No. 3 Bill No. 1 Toilet Block			

Brought Forward			R
<u>SUNDRY BRASS WORK:</u>			
<u>Brass:</u>			
82	4 x 30mm Weatherbar set in concrete flush with floor finish one side.	m	3
<u>SUNDRY GALVANISED STEELWORK</u>			
<u>Purpose made roof supports, columns etc.</u>			
83	75mm Outside diameter x 3mm thick x 6.51kg/m tubular column 2900mm long with 150 x 150 x 10mm base plate welded on to bottom end and top end having 250 x 3mm thick x 275mm girth channel-shaped bracket four times holed for bolts (elsewhere measured) welded on including setting up in position and embedding bottom end in concrete.	No	18
<u>Sundries:</u>			
84	12mm Rawlbolts 100mm long including fixing into concrete or brickwork.	No	72
85	12mm 100mm long bolt and nut with washer including fixing into timber beam.	No	72
<u>HOT DIPPED GALVANIZED PRESSED STEEL DOOR FRAMES</u>			
<u>1,6mm Rebated frames suitable for half brick walls including 3 x 100 x 75mm Union 8352-100 SB hinges</u>			
86	Frame for door 813 x 2032 mm high	No	3
<u>1,6 mm Double rebated frames suitable for one brick walls including 3 x 100 x 75mm Union 8352-100 SB hinges where applicable</u>			
87	Frame for door 813 x 2032mm high.	No	2
88	Frame for door 966 x 2 032 mm high.	No	1
<u>ALUMINIUM WINDOWS AND SHOP FRONTS</u>			
Carried Forward			R
Section No. 3 Bill No. 1 Toilet Block			

Brought Forward			R
<u>Approved pre-glazed powder coated aluminium windows complete with 10 x 10mm aluminium square burglar bars fixed to opening sections prior to powder coating including ironmongery, glass infill and setting up, building in, filling back of frame with cement mortar, etc</u>			
89	Window size 600 x 900mm glazed with 6.38mm laminated safety glass.	No	2
90	Ditto, but with obscure glass.	No	5
<u>SCREEDS</u>			
<u>3:1 Cement plaster screeds steel trowelled on concrete:</u>			
91	25mm thick on floors.	m2	34
<u>Prepare and clean surface and apply 3-5mm "ABE" or similar approved self-levelling screed, in strict accordance with manufacturer's instructions, to form an even surface to receive vinyl sheeting (elsewhere measured):</u>			
92	On new screeded floors (Provisional).	m2	34
<u>INTERNAL PLASTER</u>			
<u>Cement plaster on brick walls:</u>			
93	On walls.	m2	123
94	On narrow widths.	m2	10
<u>SOIL DRAINAGE</u>			
<u>Vitrified clay gulleys</u>			
95	100mm Dished gulley not exceeding 1000mm deep	No	2
<u>Precast concrete circular inspection chambers (covers elsewhere) with ring heights to suit depth including all excavation, risk of collapse, backfilling, channels, benching and concrete bases.</u>			
96	Inspection chamber 1050mm diameter and exceeding 1000mm and not exceeding 1250mm deep internally	No	6
Carried Forward			R
Section No. 3 Bill No. 1 Toilet Block			

Brought Forward				R
<u>uPVC Soil pipes (SABS 791-1986):</u>				
97	40mm Pipe and fixing to walls, falls, in concrete, etc.	m	15	
98	110mm Pipes vertically or ramped to cleaning eyes etc in and including trenches not exceeding 1000mm deep.	m	2	
99	110mm Pipes laid in ground not exceeding 1000mm deep including all excavations in earth, bedding cradle and blanket fill of selected granular material, main fill compacting in layers not exceeding 150mm thick, adjust moisture content to optimum and compact to a density of 90% Modified AASHTO in drain trenches including carting off surplus displaced material.	m	60	
<u>Extra over uPVC pipes for fittings:</u>				
100	40 mm Adaptor	No	5	
101	40 mm Bend	No	5	
102	40 mm Access bend	No	4	
103	110mm Access bend.	No	3	
104	110 mm "GI two-way" vent valve	No	3	
<u>SANITARY FITTINGS</u>				
<u>"Vaal" or similar approved</u>				
105	"Hibiscus" white vitreous china wash hand basin colour white(Code: 7008033), size 510 x 400mm with three semi-punched taphole including fixing bolts (VAA-8448Z0), intergrated overflow and chainstay	No	5	
106	"Orchid " white vitreous china closed coupled W.C. suite colour white 90 degree wall hung open rim pan (Code: 439016), fixing brackets (Code: 8084Z0), lid (Code: 8531Z0) and Hibiscus Elite Duct concealed 6 Litre duct cistern (Code: 7116DP)	No	4	
<u>WASTE UNIONS, ETC</u>				
<u>"Cobra Watertech" or similar approved</u>				
107	32mm 303 CP basin waste plug	No	5	
<u>TRAPS, ETC</u>				
Carried Forward				R
Section No. 3 Bill No. 1 Toilet Block				

Brought Forward				R
<u>"Cobra Watertech" or similar approved</u>				
108	32 mm 345 CP bottle trap	No	7	
<u>TAPS, VALVES, ETC</u>				
<u>"Cobra Watertech" or similar approved</u>				
109	15mm 1003/125 RB fullway gate valve	No	7	
110	22 mm 1003/125 RB fullway gate valve	No	4	
111	832/350F angle stop valve and 350mm braided flexi hose.	No	5	
112	15 mm 111-15 Star Pillar tap	No	10	
113	PB 1.10 RB vacuum breaker	No	1	
114	20 mm PA 3.132 "Masterflo 1" pressure reducing valve	No	1	
<u>WATER SUPPLIES</u>				
<u>Class 2 copper pipes</u>				
115	15 mm Pipe and fixing to walls, floors, in roofs, soffit of concrete slab in concrete, etc.	m	15	
116	Ditto, but 22mm pipe	m	15	
<u>Extra over class 2 copper pipes for capillary fittings to DIN2856, ISO2016 and BS 864</u>				
117	15mm Fittings	No	8	
118	22mm Fittings	No	8	
<u>ELECTRIC WATER HEATERS</u>				
<u>Electric water heaters:</u>				
119	100 litre 'Kwikot 600 Dual' or similar approved hot water heater with three kilowatt element, draincock and safety valve and fix on geyser tray (elsewhere measured) in roof space and joints to three 22mm copper pipes including connectors. (Electrical connection by Electrician).	No	1	
Carried Forward				R
Section No. 3 Bill No. 1 Toilet Block				

Brought Forward			R
120	'Kwikot' or similar approved polyethylene geyser tray to suit 50 litre horizontal geyser in roof space with socketed connection for overflow pipe.	No	1
<u>TESTING</u>			
121	Allow for testing all drains, sanitary plumbing and water supplies to the satisfaction of the Architect and to Municipal requirements. All defective work is to be taken out and replaced at the Contractor's expense.	Item	
<u>PAINTWORK ETC TO NEW SURFACES</u>			
<u>ON FIBRE-CEMENT</u>			
<u>One coat merit primer thinned 20% with Mineral Turpentine and two coats Wall and All paint according to manufacturers specification.</u>			
122	Fascias and barge boards.	m2	12
<u>Prepare and prime nail heads and apply one coat plaster primer thinned 5 parts to 1 part Mineral Turpentine and paint with two coats pva paint on:</u>			
123	Ceilings and cornices.	m2	32
<u>ON PLASTERED SURFACES</u>			
<u>Prepare surfaces, apply one coat merit plaster primer (PP700) and two coats pva (EPL/TAP) paint according to manufacturers specification.</u>			
124	Interior walls.	m2	133
<u>ON WOOD</u>			
<u>Prepare surfaces, apply one coat merit plaster primer (PP800) and two coats water based velvago satin paint according to manufacturers specification.</u>			
125	Doors (all surfaces measured).	m2	22
Carried to Final Summary			R
Section No. 3			
Bill No. 1			
Toilet Block			

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 5</u>			
	<u>BILL NO. 1</u>			
	<u>CONSERVANCY TANK</u>			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Proprietary products in descriptions:</u>			
	Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.			
	<u>The following in Conservancy Tank including necessary planking and strutting and keeping excavations dry</u>			
	<u>EXCAVATION, FILLING, ETC</u>			
	<u>Site Clearance, Excavations, Filling, Etc.</u>			
1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc	m2	120	
2	Excavate in earth for surface trenches not exceeding 2000mm deep.	m3	180	
3	Extra over excavations in earth to bases and trenches for excavation in soft rock	m3	18	
4	Extra over excavations in earth to bases and trenches for excavation in hard rock.	m3	9	
5	Extra over all excavations for carting away surplus excavated material.	m3	145	
	Carried Forward		R	
	Section No. 4			
	Bill No. 1			
	Conservancy Tank			

Brought Forward			R
6	Allow for risk of collapse to sides of trench and base excavations not exceeding 1500mm deep.	m2	69
7	Earth filling, selected by the Contractor from the excavated material, deposited in layers not exceeding 150mm thick, watered and consolidated to 93% modified AASHTO density as backfilling to trenches, bases, etc.	m3	35
8	Rip, scarify, mix and consolidate top 150mm of sub grade to 95% mod AASHTO density.	m2	120
<u>Prescribed density tests on filling:</u>			
9	Allow for compaction tests by an approved laboratory to determine density of filling material.	No	5
<u>Keeping excavations free of water</u>			
10	Keeping excavations free of all water other than subterranean water	Item	
<u>Soil poisoning</u>			
11	Under floors, etc including forming and poisoning shallow furrows against foundation walls, surface beds, etc and filling in furrows and ramming	m2	120
<u>VIBRATED REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>			
<u>30 MPa/19 mm concrete</u>			
12	Surface beds	m3	24
<u>VIBRATED REINFORCED CONCRETE</u>			
<u>30 MPa/19 mm concrete</u>			
13	Slabs	m3	24
<u>Finishing top surfaces of concrete smooth with a wood float:</u>			
14	Surface beds, slabs, etc	m2	120
Carried Forward			R
Section No. 4 Bill No. 1 Conservancy Tank			

Brought Forward		
<u>Finishing top surfaces of concrete to an evenly ribbed non-slip surface (broom finish):</u>		
15	Surface beds to falls.	m2 120
<u>TESTING</u>		
16	Concrete test cubes size 150 x 150 x 150mm overall including testing (Provisional).	No 12
<u>SMOOTH FORMWORK</u>		
<u>Formwork to Sides and Soffits:</u>		
17	Slabs propped up not exceeding 3,5m high.	m2 120
<u>REINFORCEMENT</u>		
<u>High tensile steel reinforcement to structural concrete work:</u>		
18	10mm Diameter bars.	kg 1 920
<u>BRICKWORK IN FOUNDATIONS (PROVISIONAL)</u>		
<u>Brickwork of NFX bricks (14 MPa nominal compressive strength) in Class I mortar:</u>		
19	Half brick walls.	m2 66
20	One brick walls.	m2 69
<u>BRICKWORK SUNDRIES</u>		
<u>Brickwork reinforcement:</u>		
21	75mm Wide reinforcement built in horizontally.	m 450
22	150mm Wide reinforcement built in horizontally.	m 460
<u>DAMPPROOFING OF WALLS AND FLOORS</u>		
<u>250Micron Embossed Dampproof Sheeting</u>		
23	Under concrete slabs.	m2 130
<u>WATERPROOFING TO ROOFS, ETC.</u>		
Carried Forward		
Section No. 4 Bill No. 1 Conservancy Tank		

R

R

Brought Forward			R
	<u>One layer Derbigum SP 4mm fully sealed by torch on fusion or coldbond 90 adhesive spread at the rate of 1-3 square metres per litre waterproofing membrane applied in strict accordance with the manufacturer's instructions, including laps, turn-ups, turn-downs, etc. and preparing and priming concrete or screeded surfaces</u>		
24	On walls, turn-ups, etc.	m2	120
	<u>INTERNAL PLASTER</u>		
	<u>Cement plaster on brick walls:</u>		
25	On walls.	m2	205
	<u>SOIL DRAINAGE</u>		
	<u>uPVC Soil pipes (SABS 791-1986):</u>		
26	110mm Pipes vertically or ramped to cleaning eyes etc in and including trenches not exceeding 1000mm deep.	m	5
27	110mm Pipes laid in ground not exceeding 1000mm deep including all excavations in earth, bedding cradle and blanket fill of selected granular material, main fill compacting in layers not exceeding 150mm thick, adjust moisture content to optimum and compact to a density of 90% Modified AASHTO in drain trenches including carting off surplus displaced material.	m	2
	<u>Extra over uPVC pipes for fittings:</u>		
28	110 mm Bend	No	2
29	110mm Access bend.	No	2
	<u>Manholes covers</u>		
30	600 x 600mm Heavy duty cast iron grating and frame	No	4
	<u>TESTING</u>		
31	Allow for testing all drains, sanitary plumbing and water supplies to the satisfaction of the Architect and to Municipal requirements. All defective work is to be taken out and replaced at the Contractor's expense.	Item	
Carried to Final Summary			R
Section No. 4			
Bill No. 1			
Conservancy Tank			

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 4</u>			
	<u>BILL NO. 1</u>			
	<u>OCCUPATIONAL HEALTH AND SAFETY ACT</u>			
	<u>Occupational Health & Safety, incl. HBA</u>			
	Preparation of the Contractor's site-specific Health and Safety Plan & Risk Assessment Health and Safety File in Hard Copy. (Include sub-contractors OHS File compliance)			
		Item		
	<u>Provision of Personal Protective Equipment (PPE)</u>			
	<u>Note: Tenderer to provide quantity for full competent of staff for contract period</u>			
1	Overalls with reflective strips including the contractor's logo and proof of induction	Item		
	Hard Hats (High Density polyethylene, & 6-point lining)	Item		
	Safety boot / shoes (Steel - toe)	Item		
	Ear Plugs / Muffs	Item		
	Dust Masks (at least FF2 type)	Item		
	Safety gloves	Item		
	Ear Defenders SABS approved	Item		
	Reflective vest for Visitor and Supervisors	Item		
	<u>Competent Personnel</u>			
	Competent scaffolding supervisor, erectors. Etc	Item		
	Carried Forward		R	
	Section No. 5			
	Bill No. 1			
	Health and Safety			

Brought Forward		R
Competent Formwork Supervisors and erectors	Item	
Competent Fall Protection Plan Developer	Item	
Work at heights training for all employees working at heights	Item	
<u>Cost of medical certificates and medical surveillance per employee</u>		
<u>Note: Tenderer to provide quantity for full component of staff for contract period</u>		
Initial (baseline) medical examinations	Item	
Provision of First Aid Boxes to GSR requirements	Item	
Working At heights medicals	Item	
2 Working at heights fall arrest equipment	Item	
Fire and emergency prevention signage	Item	
3 Vaccination (sewer works)	Item	
<u>Adhoc: Any OHS & HBA related requirements not listed above</u>		
Printer, Paper and Ink, consumables, soap	Item	
Waste bins	Item	
Close out H& S files scanned electronically with original files to CHSA.	Item	
<u>SUMMARY OF CATEGORIES</u>		
Category: Fixed	R	
Category: Value	R	
Category: Time	R	
Carried to Final Summary		R
Section No. 5		
Bill No. 1		
Health and Safety		

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 7</u>			
	<u>BILL NO. 1</u>			
	<u>PROVISIONAL AMOUNTS & BUDGETARY ALLOWANCES</u>			
	<u>ELECTRICAL INSTALLATION</u>			
1	Provide a sum of R 715 000.00 (Seven Hundred and Fifteen Thousand Rand) for Electrical Installation.	Item		715 000,00
2	Allow for profit.	Item		
3	Allow for attendance.	Item		
	<u>MECHANICAL INSTALLATION</u>			
4	Provide a sum of R 80 000.00 (Eighty Thousand Rands) for servicing air conditioners and leave in working order.	Item		80 000,00
5	Allow for profit.	Item		
6	Allow for attendance.	Item		
	<u>REMOVAL OF FURNITURE AND EQUIPMENT</u>			
7	Provide an amount of R80 000 (Eighty Thousand rands) for contractor to assist in moving of furniture and equipment during construction	Item		80 000,00
8	Allow for profit.	Item		
9	Allow for attendance.	Item		
	<u>REFURBISHMENTS TO PREFABRICATED BUILDINGS</u>			
	<u>Prefab Buildings</u>			
10	Allow the sum of R150 000.00 (One Hundred and Fifty Thousand Rands) for refurbishments of existing prefab (base jacks, electrical, plumbing)	Item		
11	Allow for profit.	Item		
12	Allow for attendance.	Item		
	Carried Forward		R	
	Section No. 6			
	Bill No. 1			
	Provisional Sums			

Brought Forward

COMMUNITY LIASON OFFICER

R

13 Provide the sum of R75 000.00 (Seventy Five Thousand Rands) for the placement of a community liaison officer to be employed by the main contractor (R5 000.00 per month for the duration of the contract)

Item

75 000,00

14 Allow for attendance.

Item

Carried to Final Summary

R

Section No. 6
Bill No. 1
Provisional Sums

Section No	FINAL SUMMARY	Page No	Amount
1	SECTION NO 2: MAIN BUILDING	111	
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6	SECTION NO 7: PROVISIONAL SUMS	170	
			R
Sub-Total Carried to Grand Final Summary			

ROBERT MJOBO CLINIC

Rate

Amount

BILL NO. 1

The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.

Proprietary products in descriptions:

Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.

Cost of tests:

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

Prices

Prices are to include for carting away from site all materials not specifically mentioned as being stored on site for re-use or handed over to the school and all rubbish, debris, etc. arising from the alterations, etc. and for making good all work damaged or disturbed to the approval of the Principal Agent.

Carried Forward

R

Section No. 1
Bill No. 1
Alterations (Provisional)

Brought Forward

R

Tenderers are advised to visit the site and to inspect the works in conjunction with the drawings in order to ascertain the exact nature and extent of the work to be done. The work is to be carried out in sections in accordance with the Architect's instructions in such a manner as to cause the minimum of nuisance and delay and the various sections are to be handed over for occupation as soon as they are completed and Tenderers must allow accordingly for this in their pricing.

The Contractor will be held solely responsible for checking all floor levels and dimensions in the existing building in order that the new extensions may be correctly lined up. Should any discrepancies be found in the Architect's drawings he should be asked for a decision before continuing with the work.

The Contractor will be held solely responsible for any damage to persons and property, for the safety of the new and existing structure throughout the whole of the contract and must make good at his own expense any damage that may occur.

Old materials described as "carefully take out, set aside for re-use and later refix in new position" are to be carefully removed, stored and protected from injury, made good as required and if broken or damaged through taking out, removing, storage, etc, are to be replaced by the Contractor at his own expense. Tenderers are advised to inspect these materials to ascertain their condition and allow accordingly for this in their pricing.

Allow for giving notice to local or other authorities for disconnecting electric light, water and drainage mains and removing telephone wires, etc, and pay all fees in connection therewith and afford every facility to the workmen carrying out this work.

All materials in this section are measured as new except where old material is specifically mentioned as being re-used.

When pricing, Tenderers are to allow as follows:

Carried Forward

R

Section No. 1
Bill No. 1
Alterations (Provisional)

Brought Forward

R

Where door and window openings, etc, are specified to be filled in, or where jambs, cills, etc are specified to be built up, brickwork shall be of hard burnt clay stock bricks in 5.1 cement mortar unless otherwise specified, cut, toothed and bonded into existing brickwork and pinned up as required with slates or other hard materials. Brickwork built to fair face or in facings is to be of bricks and pointed to match existing. Plaster is to be 5.1 cement plaster unless otherwise specified.

Where lintels are specified as reinforced concrete the prices are to include for breaking out brickwork over for and inserting cement concrete (20MPa) lintel with 230mm bearing on each end and 254mm deep and reinforced with and including one 12mm diameter mild steel rod for each half brick thickness of wall and including formwork. The steel rods are to be hooked at ends and embedded 25mm up from bottom of lintels. Lintels exceeding 1370mm span to be similarly reinforced but with 20mm diameter mild steel rods.

Where lintels are specified as precast concrete the prices are to include for breaking out brickwork over for and inserting precast prestressed cement concrete (30MPa) lintel with 230mm bearing on each end size 108 x 75mm deep for each half brick thickness of wall.

The term "take out" includes all work taken out, taken up, taken down, taken off, etc ; the term "break up" includes all work broken up, broken down, broken off, etc and the term "hack off" includes all work hacked off, hacked up, hacked down, etc.

The term "make good" is to include all labour and material required to match existing work.

The terms "take out and remove door", "take out and remove window", "carefully take out, set aside for re-use and later refix window in new position", etc are to include all materials connected with such door or window such as doors, windows, fanlights, frames, ironmongery, glass, architraves, beads, fillets, cramps, dowels, etc.

Carried Forward

R

Section No. 1
Bill No. 1
Alterations (Provisional)

Brought Forward			R
The terms "take out and remove sink unit", "take out and remove lavatory basin", "carefully take out, set aside for re-use and later refix W.C. suite in new position", etc are to include all materials connected with such sanitary fittings such as brackets, cisterns, taps, traps, flushing valves, flush pipes, etc and are to include for the cutting back and stopping off of supply and waste pipes. ----- ----- <u>REMOVAL OF EXISTING WORK</u> <u>Breaking up and removing mass concrete</u>			
1	Surface beds	m3	2
<u>Breaking down and removing brickwork etc</u>			
2	Half brick wall	m2	17
<u>Taking out and removing doors, windows, etc including thresholds, sills, etc and prepare openings to receive new.</u>			
3	Timber single door.	No	1
4	Timber single door and frame	No	2
5	Timber double door and frame	No	1
<u>Make good existing roof sheeting</u>			
6	Check existing roof sheeting and ridge, fit approved roofing screws with metal washers and waterproof seals where roof screws are missing, remove loose screws, fill holes in purlins with approved wood filler and fit new screws and apply approved sealant where necessary to ensure there are no roof leaks	m2	399
<u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc</u>			
7	Gypsum ceiling boards including brandering and cornices	m2	5
8	Fascia and barge boards	m	52
9	Gutters and downpipes	m	52
Carried Forward			R
Section No. 1 Bill No. 1 Alterations (Provisional)			

Brought Forward			R
<u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc</u>			
10	Gypsum ceiling boards including brandering and cornices	m2	40
<u>Hacking up/off and removing ceramic tile floor and wall finishes including removing mortar bed or backing and preparing concrete or brick surfaces for new screed, plaster or tile finishes</u>			
11	Existing wall tiles	m2	45
<u>BUILDING UP OPENINGS</u>			
<u>Brickwork in NFP bricks (7 Mpa) in class II mortar in building up openings</u>			
12	Half brick walls.	m2	5
13	One brick walls.	m2	6
<u>Sundries</u>			
14	Cut toothings and bond new brickwork to existing.	m2	1
<u>MAKING GOOD OF FINISHES ETC</u>			
<u>Making good internal and external cement plaster</u>			
15	Hack off plaster around all large cracks at least 150mm on either side of crack, fill up crack with stiff 3:1 cement grouting solidly caulked in and add chicken mesh and replaster with 4:1 cement plaster, finished off smooth and even surface and on the same plane as the existing plaster, properly concealed.	m	100
Carried Forward to Summary of Section No. 1			R
Section No. 1			
Bill No. 1			
Alterations (Provisional)			

Item No	Quantity	Rate	Amount
<u>SECTION NO. 2</u>			
<u>BILL NO. 2</u>			
<u>EARTHWORKS (PROVISIONAL)</u>			
The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>Proprietary products in descriptions:</u>			
Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.			
<u>Nature of material to be excavated:</u>			
The material to be excavated is assumed to be predominantly of a composition that will allow excavation in "earth" as specified, but including a percentage of excavation in "soft rock" and "hard rock".			
<u>Carting away of excavated material:</u>			
Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations, or alternatively, from stock piles situated on the building site.			
<u>Dewatering of excavations:</u>			
The Contractor shall allow for removing seepage and other water from subterranean sources from the excavations by pumping, baling or otherwise. Accurate records of all such dewatering shall be kept to determine the total volume of water so removed and a clear distinction shall be made between water from subterranean sources and other water			
Carried Forward			R
Section No. 1 Bill No. 2 Earthworks			

Brought Forward			R
<u>Density testing on filling:</u>			
Rates for filling, etc. shall include for all density and soil type testing to prove that the specified compaction is achieved. When additional testing is done on instruction of the Principal Agent and these tests are successful, they will be paid for additionally.			
<u>Imported fill:</u>			
"Filling and bedding to trenches etc. to be in compliance with SABS 1200 DB and LB respectively"			
<u>EXCAVATION, FILLING, ETC</u>			
<u>Site Clearance, Excavations, Filling, Etc.</u>			
1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc	m2	60
2	Excavate in earth for surface trenches not exceeding 2000mm deep.	m3	6
3	Excavate in earth to reduce levels	m3	9
4	Extra over all excavations for carting away surplus excavated material.	m3	9
5	Earth filling, selected by the Contractor from the excavated material, deposited in layers not exceeding 150mm thick, watered and consolidated to 93% modified AASHTO density as backfilling to trenches, bases, etc.	m3	1
6	G5 filling, selected and supplied by the Contractor, deposited in layers not exceeding 150mm thick, watered and consolidated to 98% mod AASHTO density under floors, etc.	m3	11
7	Rip, scarify, mix and consolidate top 150mm of sub grade to 95% mod AASHTO density.	m2	60
<u>Prescribed density tests on filling:</u>			
8	Allow for compaction tests by an approved laboratory to determine density of filling material.	No	2
Carried Forward			R
Section No. 1 Bill No. 2 Earthworks			

Brought Forward				R
	<u>Keeping excavations free of water</u>			
9	Keeping excavations free of all water other than subterranean water		Item	
	<u>Soil poisoning</u>			
10	Under floors, etc including forming and poisoning shallow furrows against foundation walls, surface beds, etc and filling in furrows and ramming	m2	60	
Carried Forward to Summary of Section No. 1				R
Section No. 1				
Bill No. 2				
Earthworks				

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 3</u>			
	<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities. <u>SUPPLEMENTARY PREAMBLES</u> <u>Proprietary products in descriptions:</u> Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent. <u>Cost of tests:</u> The costs of making, storing and testing of concrete test cubes as required under clause 7 'Tests' of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the Architect. The testing shall be undertaken by an independent firm or institution nominated by the Contractor to the approval of the Architect. (Test cubes are measured separately). <u>Formwork:</u> Descriptions of formwork shall be deemed to include use and waste only (except where described as left in or permanent), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use. The vertical strutting shall be carried down to such construction as is sufficiently strong to afford the required support without damage and shall remain in position until the newly constructed work is able to support itself.			
	Carried Forward		R	
	Section No. 1 Bill No. 3 Concrete, Formwork and Reinforcement			

Brought Forward			R
Formwork to soffits of solid slabs etc., shall be deemed to be to slabs not exceeding 250mm thick unless otherwise described.			
Formwork to sides of bases, pile caps, ground beams, etc., will only be measured where it is prescribed by the Engineer for design reasons. Formwork necessitated by irregularity or collapse of excavated faces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavations, provision for which is made in Earthworks.			
<u>VIBRATED REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>			
<u>30 MPa/19 mm concrete</u>			
1	Strip footings	m3	1
<u>VIBRATED REINFORCED CONCRETE</u>			
<u>30 MPa/19 mm concrete</u>			
2	Ramps and landings cast in panels	m3	3
3	Steps	m3	1
<u>Finishing top surfaces of concrete to an evenly ribbed non-slip surface (broom finish):</u>			
4	Surface beds to falls.	m2	25
<u>TESTING</u>			
5	Concrete test cubes size 150 x 150 x 150mm overall including testing (Provisional).	No	6
<u>SMOOTH FORMWORK</u>			
<u>Formwork to Sides and Soffits:</u>			
6	Formwork to edge of slab not exceeding 300mm high	m	9
<u>REINFORCEMENT</u>			
Carried Forward			R
Section No. 1 Bill No. 3 Concrete, Formwork and Reinforcement			

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 4</u>			
	<u>MASONRY</u>			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Proprietary products in descriptions:</u>			
	Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.			
	<u>BRICKWORK IN FOUNDATIONS</u>			
	<u>(PROVISIONAL)</u>			
	<u>Brickwork of NFX bricks (14 MPa nominal compressive strength) in Class I mortar:</u>			
1	One brick walls.	m2	13	
	<u>BRICKWORK SUNDRIES</u>			
	<u>Brickwork reinforcement:</u>			
2	150mm Wide reinforcement built in horizontally.	m	52	
	<u>FACE BRICKWORK</u>			
	<u>Facebricks to match existing pointed with square ruled recessed horizontal and vertical joints:</u>			
3	Extra over brickwork for face brickwork externally.	m2	14	
	<u>PAVING</u>			
	Carried Forward		R	
	Section No. 1			
	Bill No. 4			
	Masonry			

Rate

Amount

BILL NO. 2

ROOF COVERINGS ETC.

The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.

SUPPLEMENTARY PREAMBLES

Proprietary products in descriptions:

Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.

Fixing:

Fixing shall be done according to SABS 1200HB with minimum 225mm end laps.

Guarantee:

The contractor will be required to provide a written guarantee, stating that :1. The roof sheeting is of the specified thickness.2. The client is indemnified against any defects, including colour deterioration for a minimum period of 15 years.

Pricing:

Prices for roof covering and cladding are to include for all necessary drive screws, hook bolts, sheet bolts, nuts, washers, etc., for drilling holes for screws and bolts including removing all swarf from the sheeting and all right angle cutting and waste (Measured net).

ADDITIONAL RAMP COVERING

1	Allow the sum of R 50 000.00 for new roof for the covered ramp

Item

Carried Forward

R

Section No. 1
Bill No. 5
Roof Coverings Etc.

Brought Forward			R
<u>RAINWATER DISPOSAL (PROVISIONAL):</u>			
<u>Pre-painted aluminium rainwater goods:</u>			
2	150 x 130 x 150mm High eaves gutter fixed to falls in continuous lengths at not exceeding 600mm centres with and including approved gutter brackets.	m	52
3	Extra over eaves gutter for stop end.	No	4
4	Extra over eaves gutter for outlet for 100 x 75mm pipe.	No	2
5	100 x 75mm Rainwater pipes fixed to walls with and including approved holderbats at 900mm centres.	m	6
Carried Forward to Summary of Section No. 1			R
Section No. 1			
Bill No. 5			
Roof Coverings Etc.			

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 2</u>			
	<u>CARPENTRY AND JOINERY</u>			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Proprietary products in descriptions:</u>			
	Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.			
	<u>Prefabricated roof trusses:</u>			
	Prices must include for all cross and windbracing according to the manufacturer's instruction.			
	Prices must include for the design, plans and approval of all timber trusses and no claim shall be considered.			
	Pre-fabricated timber roof trusses shall comply with the requirements of SABS Specification 0163 and be constructed of South African pine as described in clause 8.5 to the designs shown on the Manufacturer's detail drawings. The timber shall be of cross-sectional dimensions shown, cut to correct lengths with ends square or at the required angle.			
	Trusses shall be assembled in truss fabricating jigs with the truss having the proper camber, all tightly clamped together with joints secured using approved connector plates of galvanised steel sheet. Connector plates shall be pressed into the timber simultaneously from both sides of the truss with a hydraulic press capable of exerting such pressure as will ensure complete penetration of the teeth into the timber.			
	Carried Forward		R	
	Section No. 1 Bill No. 6 Carpentry and Joinery			

Brought Forward

R

The connector plates shall be of such size as will ensure that the joints so made will adequately withstand the forces exerted on the joints.

In coastal areas connector plates in buildings without ceilings shall be painted with two coats of epoxy tar complying with SABS Specification 801 Type 2, or rust neutralising paint.

Approval of pre-fabricated roofing systems, whether measured as an alternative or not, shall be subject to the following requirements:

(a) The Manufacturer of the pre-fabricated trusses shall hold a certificate of competence issued by the Institute for Timber Construction.

(b) A polyester print, size A1 having a minimum thickness of 0,5mm, shall be submitted by the Contractor to the Structural Engineer at an early stage for approval by the Directorate: Structural Engineering Services.

(c) The drawings shall be signed by a Registered Professional Engineer whose name appears on the Departmental panel for structural work.

(d) In the case of systems buildings, approval shall be given with submission of the contract drawings on acceptance of the tender.

The following minimum information shall be shown on the drawings:

- (a) Details of the roof system with the position of the rafters and purlins indicated thereon as well as typical elevations.
- (b) Bracing as recommended by the Institute for Timber Construction.
- (c) Sizes and grading of the timber components.
- (d) Truss sizes, e.g. height of ridge or angle of pitch.
- (e) Plate sizes for every construction point. (Code numbers only are deemed insufficient).

Carried Forward

R

Section No. 1
Bill No. 6
Carpentry and Joinery

Brought Forward (f) Seperate connection details for hip, valley and jack rafters. (g) Maximum spacing for purlins and brandering to ceilings shall be according to Subclauses 7.6.1 and 7.6.2 and Clauses 7.8, 7.9 and 9.5. (h) The type of roof covering as well as the design load. Over and above the supervision undertaken by the Representative / Agent, the Truss Fabricator or his Design Engineer shall inspect the completed roof structure and issue a certificate of confirmation to the Department that: "The roof structure(s) has (have) been erected in accordance with the Design Engineer's drawings, as accepted by the Department, and the relevant details given in the manual "THE ERECTION AND BRACING OF TIMBER ROOF TRUSSES" issued by the National Timber Research Institute and the Institute for Timber Construction". <u>Joinery:</u> Descriptions of frames shall be deemed to include frames, transomes, mullions, rails, etc. Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes. <u>Fixing:</u> All nailing of timber roof trusses, purlins, etc shall be done with galvanised nails. In coastal areas, copper, aluminium or stainless steel nails shall be used. Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete. Where items are described as "bolted" the bolts have been measured elsewhere. <u>EAVES, VERGES, ETC</u> Carried Forward Section No. 1 Bill No. 6 Carpentry and Joinery	R R

Brought Forward			R
<u>Pressed fibre-cement:</u>			
1	15 x 225mm Fascia board three times drilled, and brass screwed to and including 38 x 50 x 114mm long S.A. Pine cleats twice brass screwed to rafter foot including galvanised steel H-profile jointing strips, screws, holes etc.	m	52
2	80 x 275 x 12mm Barge board drilled and brass screwed to purlin ends including galvanised steel H-profile jointing strips, screws, holes etc.	m	5
<u>DOORS ETC</u>			
<u>Solid core flush doors, with Commercial veneer both sides and with hardwood edge strips, tongued and grooved on to edges:</u>			
3	40mm Thick, single flush door, size 813 x 2,032mm high.	No	1
<u>BEADS, ARCHITRAVES, ETC</u>			
<u>Wrought meranti:</u>			
4	19 x 70mm Skirting fixed to walls including 19mm quadrant bead planted on.	m	12
<u>JOINERY FITTINGS</u>			
<u>Cupboards</u>			
5	Allow the sum of R 50 000.00 for replacing missing cupboard doors, handles, locks, replacement of damaged panels, etc	Item	
Carried Forward to Summary of Section No. 1			R
Section No. 1			
Bill No. 6			
Carpentry and Joinery			

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 3</u>			
	<u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u>			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Proprietary products in descriptions:</u>			
	Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.			
	<u>Descriptions:</u>			
	Items described as nailed shall be deemed to be fixed with hardened steel nails or pins or shot pinned to brickwork or concrete.			
	Items described as plugged shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres, and where described as bolted the bolts have been given.			
	<u>NAILED UP CEILINGS</u>			
	<u>6,4mm gypsum plasterboard with pvc h profile jointing strips over joints:</u>			
1	Ceilings including 38 x 50mm sawn softwood bandering at 400mm centres with cross bandering at joints, ends of sheets and at light fittings, etc.	m2	35	
	Carried Forward		R	
	Section No. 1			
	Bill No. 7			
	Ceilings, Partitions and Access Flooring			

Brought Forward			R
<u>6mm "Everite Nutec" fibre cement board with H-profile white pvc jointing strips:</u>			
2	Ceilings including 38 x 50mm sawn softwood brandering at 400mm centres with cross brandering at joints, ends of sheets and at light fittings, etc.	m2	2
3	Extra over Fibre-cement ceiling for forming trap door size 630 x 630mm in clear formed with 38 x 50mm sawn S.A. pine framing covered with ceiling boarding and set in 38 x 76mm wrought S.A. pine rebated kerb, including trimmers.	No	1
<u>Rhino Gypsum plasterboard cornices</u>			
4	75 mm Coved cornices	m	50
<u>PARTITIONS ETC</u>			
<u>Gypwall Standard System with 2 hour fire rating consisting of 90mm UltraSteel studs inserted at 600mm centres into 100mm drywall steel track at top and bottom and clad both sides with 15mm Rhinoboard fixed with 25mm drywall starker screws at 220mm centres. All joints to be taped and jointed as per the manufacturers instructions.</u>			
5	Partitioning 3000mm high with bottom and top tracks fixed to ceiling suspension system	m	4
<u>Insulation</u>			
6	40mm Thick fibreglass insulation blanket in cavity of partitioning	m2	12
Carried Forward to Summary of Section No. 1			R
Section No. 1			
Bill No. 7			
Ceilings, Partitions and Access Flooring			

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 4</u>			
	<u>FLOOR COVERINGS, WALL LININGS, ETC</u>			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Proprietary products in descriptions:</u>			
	Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.			
	<u>Cleaning:</u>			
	Rates for floor covering shall include for proper cleaning on completion.			
	<u>VINYL FLOOR COVERINGS, WALL LININGS, ETC.</u>			
	<u>2mm heavy duty fully flexible homogeneous non directional 2000mm wide vinyl floor sheeting with welded joints, laid in approved pressure sensitive adhesive in strict accordance with the manufacturer's specification</u>			
1	On smooth screeded floors.	m2	80	
	<u>POLISH, SEALERS, ETC</u>			
	<u>Clean by stripping and sealing and apply three coats water based copolymer emulsion or other approved sealer:</u>			
2	On vinyl flooring.	m2	270	
	Carried Forward to Summary of Section No. 1			R
	Section No. 1			
	Bill No. 8			
	Floor Coverings, Wall Linings, Etc.			

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u> <u>BILL NO. 5</u> <u>IRONMONGERY</u> The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities. <u>SUPPLEMENTARY PREAMBLES</u> <u>Proprietary products in descriptions:</u> Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent: <u>Finishes to ironmongery:</u> Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list BS Satin bronze lacquered CP Chromium plated SC Satin chromium plated SE Silver enamelled GE Grey enamelled AS Anodised silver AB Anodised bronze AG Anodised gold ABL Anodised black PB Polished brass PL Polished and lacquered PT Epoxy coated SD Sanded Fixing: Descriptions of wall mounted and floor standing ironmongery items shall be deemed to include for fixing in position and all fixing accessories Descriptions of proprietary items shall be deemed to include fixing in position and all fixing accessories Ironmongery to be Union or similar approved <u>HINGES, BOLTS, ETC</u> <u>"Union" or similar approved</u>			
1	100 x 75mm heavy duty nylon washered brass butt hinges.	No	6	
	Carried Forward		R	
	Section No. 1 Bill No. 9 Ironmongery			

Brought Forward			R	
<u>LOCKS</u>				
<u>"Union" or similar approved</u>				
2	Gower CZ682-24CH/2252-76SS Three lever mortice lockset complete with approved chromium plated handles.	No	4	
<u>Sundries:</u>				
3	32mm Diameter black rubber door stop plugged to concrete floor.	No	4	
<u>SIGNAGE</u>				
<u>Supply and installation of signs</u>				
4	Provide a sum of R 30 000.00 (Thirty Thousand Rands) for supply and installation of missing signs		Item	30 000,00
Carried Forward to Summary of Section No. 1				
Section No. 1			R	
Bill No. 9				
Ironmongery				

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 6</u>			
	<u>METALWORK</u>			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	Descriptions			
	Descriptions of bolts shall be deemed to include nuts and washers			
	Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete			
	Metalwork described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described			
	NOTE: All steel will be Hot dipped galvanised unless otherwise stated.			
	<u>PRESSED STEEL DOOR FRAMES</u>			
	<u>1,2 mm Double rebated frames suitable for half brick walls</u>			
1	Frame for door 813 x 2032 mm high	No	2	
	<u>STEEL WINDOW ACCESSORIES</u>			
	<u>Sundries</u>			
2	250mm long brass window stays to match existing	No	35	
3	90 x 60 x 25mm heavy duty window handle to match existing	No	20	
	<u>STAINLESS STEEL AND GALVANISED STEEL HANDRAILS, BALUSTRADES, ETC.</u>			
	Carried Forward		R	
	Section No. 1			
	Bill No. 10			
	Metalwork			

Brought Forward			R
<u>Balustrades</u>			
4	Stainless steel and mild steel balustrade 1100mm high formed of 50mm external diameter grade 304 continuous hollow tube handrail welded to 12mm diameter gauge stainless steel rod welded to 70 x 70 x 4mm galvanised mild steel stanchion at 2000mm centres fixed to 90 x 90 x 5mm galvanised mild steel base plate bolted to concrete, with balustrade panel formed of 70 x 5mm galvanised mild steel top and bottom rails, 70 x 5mm vertical rails at 128mm centres, 30 x 5mm galvanised mild steel vertical members and 50 x 40 x 5mm connection plate bolted to stanchion with 8mm bolts	m	12
<u>Bolts, Anchors etc.</u>			
5	M8 x 90mm stainless steel rawl bolt	No	48
Carried Forward to Summary of Section No. 1			R
Section No. 1			
Bill No. 10			
Metalwork			

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 7</u>			
	<u>PLASTERING</u>			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Proprietary products in descriptions:</u>			
	Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.			
	<u>INTERNAL PLASTER</u>			
	<u>Plaster on partition walls</u>			
1	Stop all gaps and remove paper burrs, apply rhinotape to all joints, paint on rhinoglide over, apply second coat of rhinoglide with a 300mm wide steel trowel, and apply rhinolite skim plaster, all applied according to the manufacturer's specifications	m2	12	
	Carried Forward to Summary of Section No. 1			
	Section No. 1			
	Bill No. 11			
	Plastering			
			R	

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 9</u>			
	<u>PAINTWORK</u>			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Proprietary products in descriptions:</u>			
	Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.			
	All work to be executed in strict accordance with the specifications of the paint manufacturer.			
	Where surfaces of plaster etc are sandy / friable, the first coat must be replaced with plaster primer thinned 10% with turpentine.			
	<u>PAINTWORK ETC TO PREVIOUSLY PAINTED SURFACES</u>			
	<u>ON FIBRE-CEMENT</u>			
	<u>Prepare and apply two coats pure acrylic roof paint on:</u>			
1	Fascias and barge boards.	m2	59	
	<u>ON PLASTERBOARD</u>			
	<u>Prepare and prime nail heads and apply one coat plaster primer thinned 5 parts to 1 part Mineral Turpentine and paint with two coats pva paint on:</u>			
2	Ceilings and cornices.	m2	306	
	Carried Forward		R	
	Section No. 1 Bill No. 13 Paintwork			

Brought Forward			R
<u>ON PLASTERED SURFACES</u>			
<u>Prepare surfaces, apply one coat merit plaster primer (PP700) and two coats pva (EPL/TAP) paint according to manufacturers specification.</u>			
3	Interior walls.	m2	942
<u>ON WOOD</u>			
<u>Prepare surfaces, apply one coat merit plaster primer (PP800) and two coats water based velvagio satin paint according to manufacturers specification.</u>			
4	Doors (all surfaces measured).	m2	139
<u>Prepare, knot and apply one coat woodcare pretreatment and two coats off woodcare interior water based wood varnish</u>			
5	Skirtings, rails, etc not exceeding 300mm girth.	m	236
<u>ON METAL</u>			
<u>Clean down thoroughly with galvanised iron cleaner. Apply one coat of Plascon Plascoprime 170 Zinc Phosphate Primer (UC170) and finish with two full coats of Plascon Water based Velvagio Satin (VLW)</u>			
6	On windows	m2	74
Carried Forward to Summary of Section No. 1			R
Section No. 1			
Bill No. 13			
Paintwork			

[illegible]

Item No	Quantity	Rate	Amount
<u>CLINIC SERVICES BUILDING</u>			
<u>SECTION NO. 3</u>			
<u>BILL NO. 1</u>			
<u>EARTHWORKS (PROVISIONAL)</u>			
The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>Proprietary products in descriptions:</u>			
Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.			
<u>Nature of material to be excavated:</u>			
The material to be excavated is assumed to be predominantly of a composition that will allow excavation in "earth" as specified, but including a percentage of excavation in "soft rock" and "hard rock".			
<u>Carting away of excavated material:</u>			
Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations, or alternatively, from stock piles situated on the building site.			
<u>Dewatering of excavations:</u>			
The Contractor shall allow for removing seepage and other water from subterranean sources from the excavations by pumping, baling or otherwise. Accurate records of all such dewatering shall be kept to determine the total volume of water so removed and a clear distinction shall be made between water from subterranean sources and other water			
Carried Forward			R
Section No. 2 Bill No. 1 Earthworks			

Brought Forward			R
<u>Density testing on filling:</u> Rates for filling, etc. shall include for all density and soil type testing to prove that the specified compaction is achieved. When additional testing is done on instruction of the Principal Agent and these tests are successful, they will be paid for additionally.			
<u>Imported fill:</u> "Filling and bedding to trenches etc. to be in compliance with SABS 1200 DB and LB respectively"			
<u>EXCAVATION, FILLING, ETC</u>			
<u>Excavations, Filling, Etc.</u>			
1	Excavate in earth for surface trenches not exceeding 2000mm deep.	m3	38
2	Extra over excavations in earth to bases and trenches for excavation in soft rock	m3	4
3	Extra over excavations in earth to bases and trenches for excavation in hard rock.	m3	2
4	Extra over all excavations for carting away surplus excavated material.	m3	25
5	Allow for risk of collapse to sides of trench and base excavations not exceeding 1500mm deep.	m2	107
6	Earth filling, selected by the Contractor from the excavated material, deposited in layers not exceeding 150mm thick, watered and consolidated to 93% modified AASHTO density as backfilling to trenches, bases, etc.	m3	13
7	G5 filling, selected and supplied by the Contractor, deposited in layers not exceeding 150mm thick, watered and consolidated to 98% mod AASHTO density under floors, etc.	m3	15
8	Rip, scarify, mix and consolidate top 150mm of sub grade to 95% mod AASHTO density.	m2	44
Carried Forward			R
Section No. 2 Bill No. 1 Earthworks			

Brought Forward			R
<u>Prescribed density tests on filling:</u>			
9	Allow for compaction tests by an approved laboratory to determine density of filling material.	No	6
<u>Keeping excavations free of water</u>			
10	Keeping excavations free of all water other than subterranean water		Item
<u>Soil poisoning</u>			
11	Under floors, etc including forming and poisoning shallow furrows against foundation walls, surface beds, etc and filling in furrows and ramming	m2	44
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 1			
Earthworks			

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 3</u>			
	<u>BILL NO. 2</u>			
	<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities. <u>SUPPLEMENTARY PREAMBLES</u> <u>Proprietary products in descriptions:</u> Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent. <u>Cost of tests:</u> The costs of making, storing and testing of concrete test cubes as required under clause 7 'Tests' of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the Architect. The testing shall be undertaken by an independent firm or institution nominated by the Contractor to the approval of the Architect. (Test cubes are measured separately). <u>Formwork:</u> Descriptions of formwork shall be deemed to include use and waste only (except where described as left in or permanent), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use. The vertical strutting shall be carried down to such construction as is sufficiently strong to afford the required support without damage and shall remain in position until the newly constructed work is able to support itself.			
	Carried Forward		R	
	Section No. 2 Bill No. 2 Concrete, Formwork and Reinforcement			

Brought Forward			R
Formwork to soffits of solid slabs etc., shall be deemed to be to slabs not exceeding 250mm thick unless otherwise described.			
Formwork to sides of bases, pile caps, ground beams, etc., will only be measured where it is prescribed by the Engineer for design reasons. Formwork necessitated by irregularity or collapse of excavated faces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavations, provision for which is made in Earthworks.			
<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>			
<u>VIBRATED REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>			
<u>30 MPa/19 mm concrete</u>			
1	Strip footings	m3	11
<u>(25MPa) open stormwater channels with V-shaped waterway formed in top, finished smooth on all exposed surfaces</u>			
2	1000 x 110mm open concrete stormwater channel with 860 x 60mm deep 'V' channel with rounded salient edges and finished on exposed surfaces with (2:1) cement mortar, laid to falls in panels not exceeding 3,0m long with 12mm bitumen impregnated softboard movement joints with exposed edges raked out for a depth of 10mm and filled with bituminous compound on suitable 150mm subbase material compacted to 93% Mod A.A.S.H.T.O. density, including all necessary excavations, 250 micron dpm, formwork, ref 100 mesh, compaction, grading, carting away, etc.	m	45
3	Extra over channel for angles, intersections, ends, etc.	No	6
4	Extra over for widening concrete to form spreader 2500mm wide extreme for a length of 1250mm and bedding 150 x 150 x 150mm stone pitching embedded in newly cast wet concrete spaced at 300mm centre spacings to falls including brushing concrete between stones.	No	2
Carried Forward			R
Section No. 2			
Bill No. 2			
Concrete, Formwork and Reinforcement			

Brought Forward			R
<u>VIBRATED REINFORCED CONCRETE</u>			
<u>30 MPa/19 mm concrete</u>			
5	Surface beds on waterproofing.	m3	6
6	Ramps cast in panels	m3	1
7	Ring beams	m3	5
<u>Finishing top surfaces of concrete to an evenly ribbed non-slip surface (broom finish):</u>			
8	Surface beds to falls, etc	m2	44
<u>TESTING</u>			
9	Concrete test cubes size 150 x 150 x 150mm overall including testing (Provisional).	No	12
<u>SMOOTH FORMWORK</u>			
<u>Formwork to Sides and Soffits:</u>			
10	Beams propped up not exceeding 3,5m high.	m2	50
<u>REINFORCEMENT</u>			
<u>High tensile steel reinforcement to structural concrete work:</u>			
11	10mm Diameter bars.	kg	800
<u>Fabric reinforcement:</u>			
12	REF. 193 fabric reinforcement in concrete surface beds, slabs, etc.	m2	44
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 2			
Concrete, Formwork and Reinforcement			

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 3</u>			
	<u>BILL NO. 3</u>			
	<u>MASONRY</u>			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Proprietary products in descriptions:</u>			
	Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.			
	<u>BRICKWORK IN FOUNDATIONS (PROVISIONAL)</u>			
	<u>Brickwork of NFX bricks (14 MPa nominal compressive strength) in Class I mortar:</u>			
1	Half brick walls.	m2	12	
2	One brick walls.	m2	3	
3	One brick walls	m2	42	
	<u>BRICKWORK IN SUPERSTRUCTURE</u>			
	<u>Brickwork of NFP bricks (14 MPa nominal compressive strength) in Class II mortar:</u>			
4	Half brick walls.	m2	29	
5	Half brick walls in beamfilling	m2	6	
6	One brick walls.	m2	14	
7	270mm cavity walls	m2	120	
	Carried Forward		R	
	Section No. 2			
	Bill No. 3			
	Masonry			

Brought Forward			R
<u>BRICKWORK SUNDRIES</u>			
<u>Bagging and sealing the outer face of the inner skin of walls with 1:3 cement and sand mixture and seal with two coats "Brixeal" bitumen emulsion waterproofing coating:</u>			
8	To walls (Provisional).	m2	120
<u>Brickwork reinforcement:</u>			
9	75mm Wide reinforcement built in horizontally.	m	116
10	Ditto, but in foundations	m	93
11	150mm Wide reinforcement built in horizontally.	m	56
12	Ditto, but in foundations	m	30
13	230mm Wide reinforcement built in horizontally.	m	156
14	Ditto, but in foundations	m	312
<u>Galvanised hoop iron cramps, ties, etc</u>			
15	32 x 1,6 mm Hoop iron roof tie 1500 mm long with one end fixed to timber and other end built into six courses of brickwork	No	32
<u>Prestressed fabricated lintels:</u>			
16	110 x 75mm Lintels in lengths not exceeding 3m.	m	1
17	150 x 75mm Lintels in lengths not exceeding 3m.	m	15
<u>FACE BRICKWORK</u>			
<u>Firelight Travertine (FBX) facebricks pointed with square ruled recessed horizontal and vertical joints:</u>			
18	Extra over brickwork for face brickwork externally.	m2	100
19	Extra over brickwork for face brickwork in beamfilling.	m2	5
20	Ditto, but in foundations (Provisional).	m2	20
<u>Brick-on-edge header course copings, sills, etc with recessed joints on all exposed faces:</u>			
Carried Forward			R
Section No. 2 Bill No. 3 Masonry			

Brought Forward			R
<u>Note:</u> First and last bricks of sills to be solid.			
21	220mm Brick on edge sill bedded sloping and jointed in cement mortar and pointed on top, edge and projecting soffit including cutting and fitting between reveals and splay cutting brickwork under.	m	5
<u>Brick-on-edge header course copings, sills, etc with recessed joints on all exposed faces:</u>			
22	220mm Wide roller course to top of foundation walls bedded and jointed in cement mortar and pointed on top and one side as described.	m	5
<u>NUTEC-CEMENT OR OTHER APPROVED WINDOW SILLS</u>			
<u>Natural grey sills in single lengths bedded in class I mortar including metal fixing lugs, etc</u>			
23	15 x 150mm Wide sills set flat and slightly projecting	m	5
Carried Forward to Summary of Section No. 2			R
Section No. 2 Bill No. 3 Masonry			

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 3</u>			
	<u>BILL NO. 4</u>			
	<u>WATERPROOFING</u>			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Proprietary products in descriptions:</u>			
	Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.			
	<u>DAMPPROOFING OF WALLS AND FLOORS</u>			
	<u>One layer of 375 micron embossed dampcourse waterproof sheeting below walls, sills, etc:</u>			
1	Below walls, sills, etc.	m2	16	
	<u>250Micron Embossed Dampproof Sheeting</u>			
2	Under concrete slabs.	m2	45	
	<u>JOINT SEALANTS ETC</u>			
	<u>Clear Neutral silicone sealant:</u>			
3	In joint sealing and pointing around sanitary fittings	m	20	
	Carried Forward to Summary of Section No. 2			
	Section No. 2		R	
	Bill No. 4			
	Waterproofing			

Rate

Amount

BILL NO. 5

ROOF COVERINGS ETC.

The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.

SUPPLEMENTARY PREAMBLES

Proprietary products in descriptions:

Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.

Fixing:

Fixing shall be done according to SABS 1200HB with minimum 225mm end laps.

Guarantee:

The contractor will be required to provide a written guarantee, stating that :1. The roof sheeting is of the specified thickness.2. The client is indemnified against any defects, including colour deterioration for a minimum period of 15 years.

Pricing:

Prices for roof covering and cladding are to include for all necessary drive screws, hook bolts, sheet bolts, nuts, washers, etc., for drilling holes for screws and bolts including removing all swarf from the sheeting and all right angle cutting and waste (Measured net).

RIBBED SHEETING AND ACCESSORIES

Carried Forward

R

Section No. 2
Bill No. 5
Roof Coverings Etc.

Brought Forward			R
<u>0,58mm concealed fixed zincalume AZ150 with Colorplus to top side roof sheeting including fixing to timber purlins (elsewhere measured) at approximately 1000mm centres including all clips, etc, strictly in accordance with manufacturer's specification.</u>			
1	Roof covering with pitch not exceeding 50 degrees.	m2	68
<u>0,8mm Nominal thickness ditto, but flashings:</u>			
2	Ridge 462mm girth with minimum 230mm laps, fixed to roof sheeting (measured net).	m	4
3	Moulded narrow and broad rib polyethelene filler blocks	m	8
<u>ROOF INSULATION</u>			
<u>Sisalation 420 housing grade reinforced aluminium foil and polyethylene insulation:</u>			
4	Insulation laid taut over purlins (at maximum 1000mm centres) and fixed concurrent with roof covering, including galvanised steel straining wires.	m2	68
<u>RAINWATER DISPOSAL (PROVISIONAL):</u>			
<u>Pre-painted aluminium rainwater goods:</u>			
5	150 x 130 x 150mm High eaves gutter fixed to falls in continuous lengths at not exceeding 600mm centres with and including approved gutter brackets.	m	27
6	Extra over eaves gutter for stop end.	No	4
7	Extra over eaves gutter for outlet for 100 x 75mm pipe.	No	3
8	100 x 75mm Rainwater pipes fixed to walls with and including approved holderbats at 900mm centres.	m	9
9	Extra over rainwater pipe for shoe.	No	3
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 5			
Roof Coverings Etc.			

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 3</u>			
	<u>BILL NO. 6</u>			
	<u>CARPENTRY AND JOINERY</u>			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Proprietary products in descriptions:</u>			
	Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.			
	<u>Prefabricated roof trusses:</u>			
	Prices must include for all cross and windbracing according to the manufacturer's instruction.			
	Prices must include for the design, plans and approval of all timber trusses and no claim shall be considered.			
	Pre-fabricated timber roof trusses shall comply with the requirements of SABS Specification 0163 and be constructed of South African pine as described in clause 8.5 to the designs shown on the Manufacturer's detail drawings. The timber shall be of cross-sectional dimensions shown, cut to correct lengths with ends square or at the required angle.			
	Trusses shall be assembled in truss fabricating jigs with the truss having the proper camber, all tightly clamped together with joints secured using approved connector plates of galvanised steel sheet. Connector plates shall be pressed into the timber simultaneously from both sides of the truss with a hydraulic press capable of exerting such pressure as will ensure complete penetration of the teeth into the timber.			
	Carried Forward		R	
	Section No. 2 Bill No. 6 Carpentry and Joinery			

Brought Forward

R

The connector plates shall be of such size as will ensure that the joints so made will adequately withstand the forces exerted on the joints.

In coastal areas connector plates in buildings without ceilings shall be painted with two coats of epoxy tar complying with SABS Specification 801 Type 2, or rust neutralising paint.

Approval of pre-fabricated roofing systems, whether measured as an alternative or not, shall be subject to the following requirements:

(a) The Manufacturer of the pre-fabricated trusses shall hold a certificate of competence issued by the Institute for Timber Construction.

(b) A polyester print, size A1 having a minimum thickness of 0,5mm, shall be submitted by the Contractor to the Structural Engineer at an early stage for approval by the Directorate: Structural Engineering Services.

(c) The drawings shall be signed by a Registered Professional Engineer whose name appears on the Departmental panel for structural work.

(d) In the case of systems buildings, approval shall be given with submission of the contract drawings on acceptance of the tender.

The following minimum information shall be shown on the drawings:

- (a) Details of the roof system with the position of the rafters and purlins indicated thereon as well as typical elevations.
- (b) Bracing as recommended by the Institute for Timber Construction.
- (c) Sizes and grading of the timber components.
- (d) Truss sizes, e.g. height of ridge or angle of pitch.
- (e) Plate sizes for every construction point. (Code numbers only are deemed insufficient).

Carried Forward

R

Section No. 2
Bill No. 6
Carpentry and Joinery

	Brought Forward			R
	(f) Seperate connection details for hip, valley and jack rafters.			
	(g) Maximum spacing for purlins and brandering to ceilings shall be according to Subclauses 7.6.1 and 7.6.2 and Clauses 7.8, 7.9 and 9.5.			
	(h) The type of roof covering as well as the design load. Over and above the supervision undertaken by the Representative / Agent, the Truss Fabricator or his Design Engineer shall inspect the completed roof structure and issue a certificate of confirmation to the Department that: "The roof structure(s) has (have) been erected in accordance with the Design Engineer's drawings, as accepted by the Department, and the relevant details given in the manual "THE ERECTION AND BRACING OF TIMBER ROOF TRUSSES" issued by the National Timber Research Institute and the Institute for Timber Construction".			
	<u>Joinery:</u> Descriptions of frames shall be deemed to include frames, transomes, mullions, rails, etc. Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes.			
	<u>Fixing:</u> All nailing of timber roof trusses, purlins, etc shall be done with galvanised nails. In coastal areas, copper, aluminium or stainless steel nails shall be used. Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete. Where items are described as "bolted" the bolts have been measured elsewhere.			
	<u>ROOFS ETC</u>			
	<u>Sawn softwood:</u>			
1	38 x 114mm Wall plate.	m	25	
	Carried Forward			R
	Section No. 2 Bill No. 6 Carpentry and Joinery			

Brought Forward			R
<u>Wrought softwood:</u>			
2	50 x 76mm Purlins.	m	67
<u>Sundries:</u>			
3	MiTek® eCo hurricane clip fixed using Permfix nails or bolts through pre-drilled holes.	No	60
<u>PREFABRICATED ROOF TRUSSES, ETC.</u>			
<u>Prefabricated timber roof trusses shall be constructed of South African pine by a firm of specialist designer manufacturers. Trusses to be a maximum of 1200mm centres and are to support metal roof covering. Ceilings are either gypsum plasterboard or claddit (suspended or fixed). Prices must include for the design , plans and approval of all timber trusses and no claim shall be considered. An Engineers approval certificate is required once the roof truss installation is complete and is for the contractors account.</u> Note: Bidders are referred to the Architects roof plan drawings accompanying these bills of quantities for tender purposes. Specifications and calculations of prefabricated roof must be supplied by the contractor on award of the contract. Descriptions (prices) shall be deemed to include design.			
4	Mono pitch roof truss with 3410mm span between plates to 25degree pitch including a 600mm overhang on one side	No	12
5	Mono pitch roof truss with 3570mm span between plates to 25degree pitch including a 600mm overhang on one side	No	3
6	Allow for bracing, cross bracing, connecting clips, fixing brackets, hurricane clips, etc., as required for fixing in position of roof trusses as described in accordance with the manufacturer's instructions.	Item	
<u>EAVES, VERGES, ETC</u>			
Carried Forward			R
Section No. 2 Bill No. 6 Carpentry and Joinery			

Brought Forward			R
<u>Pressed fibre-cement:</u>			
7	15 x 225mm Fascia board three times drilled, and brass screwed to and including 38 x 50 x 114mm long S.A. Pine cleats twice brass screwed to rafter foot including galvanised steel H-profile jointing strips, screws, holes etc.	m	27
8	80 x 275 x 12mm Barge board drilled and brass screwed to purlin ends including galvanised steel H-profile jointing strips, screws, holes etc.	m	25
9	Eaves soffit covering of 6mm thick fibre cement ceiling sheets including 38 x 38mm sawn softwood banding along edges, along centre and at 400mm centres across sheets	m2	15
<u>DOORS ETC</u>			
<u>"Swartland PD1" or similar approved exterior door:</u>			
10	44mm Thick, single flush door, size 813 x 2,032mm high.	No	3
<u>"Swartland PR" or similar approved open back exterior door:</u>			
11	44mm Thick, double door with rebated meeting stiles, size 1674 x 2,032mm high.	No	3
<u>FRAMED FRAMES ETC</u>			
<u>Wrought meranti:</u>			
12	38 x 76mm "Swartland" or similar approved rebated and angle rounded door frames plugged.	m	33
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 6			
Carpentry and Joinery			

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 3</u>			
	<u>BILL NO. 7</u>			
	<u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u>			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Proprietary products in descriptions:</u>			
	Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.			
	<u>Descriptions:</u>			
	Items described as nailed shall be deemed to be fixed with hardened steel nails or pins or shot pinned to brickwork or concrete.			
	Items described as plugged shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres, and where described as bolted the bolts have been given.			
	<u>NAILED UP CEILINGS</u>			
	<u>6mm "Everite Nutec" fibre cement board with H-profile white pvc jointing strips:</u>			
1	Ceilings including 38 x 50mm sawn softwood bandering at 400mm centres with cross bandering at joints, ends of sheets and at light fittings, etc.	m2	44	
2	Extra over Fibre-cement ceiling for forming trap door size 630 x 630mm in clear formed with 38 x 50mm sawn S.A. pine framing covered with ceiling boarding and set in 38 x 76mm wrought S.A. pine rebated kerb, including trimmers.	No	2	
	Carried Forward		R	
	Section No. 2			
	Bill No. 7			
	Ceilings, Partitions and Access Flooring			

Brought Forward			R
<u>Rhino Gypsum plasterboard cornices</u>			
3	75 mm Coved cornices	m	59
<u>Non-combustible polyester thermal insulation of a density of not less than 10kg/m3:</u>			
4	135mm Insulation in blanket form closely fitted and laid on top of branderling between roof timbers etc.	m2	44
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 7			
Ceilings, Partitions and Access Flooring			

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 3</u>			
	<u>BILL NO. 8</u>			
	<u>IRONMONGERY</u>			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Proprietary products in descriptions:</u>			
	Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent:			
	<u>Finishes to ironmongery:</u>			
	Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list BS Satin bronze lacquered CP Chromium plated SC Satin chromium plated SE Silver enamelled GE Grey enamelled AS Anodised silver AB Anodised bronze AG Anodised gold ABL Anodised black PB Polished brass PL Polished and lacquered PT Epoxy coated SD Sanded Fixing:			
	Descriptions of wall mounted and floor standing ironmongery items shall be deemed to include for fixing in position and all fixing accessories			
	Descriptions of proprietary items shall be deemed to include fixing in position and all fixing accessories			
	Ironmongery to be Union or similar approved			
	<u>HINGES, BOLTS, ETC</u>			
	<u>"Union" or similar approved</u>			
1	100 x 75mm heavy duty nylon washered brass butt hinges.	No	21	
	Carried Forward			
	Section No. 2 Bill No. 8 Ironmongery		R	

	Brought Forward			R
2	150 x 20mm flush bolts	No	3	
3	Bathroom indicator bolt (Code: CZ80941SCR)	No	1	
<u>LOCKS</u>				
<u>"Union" or similar approved</u>				
4	Four lever approved mortice lockset (Union 2277-78) complete with approved chromium plated handles.	No	4	
<u>SUNDRIES</u>				
5	32mm Diameter black rubber door stop plugged to concrete floor.	No	8	
<u>BATHROOM FITTINGS</u>				
<u>Bathroom fittings etc.:</u>				
6	Stainless steel toilet roll holder Code:TR2 or similar approved, plugged/ screwed to wall complete.	No	1	
<u>STEEL LOCKERS</u>				
<u>Steel lockers, etc</u>				
7	4 tier steel locker, size 300 x 450 x 1800mm high	No	4	
Carried Forward to Summary of Section No. 2				
Section No. 2				
Bill No. 8				
Ironmongery				

Item No	Quantity	Rate	Amount
<u>SECTION NO. 3</u>			
<u>BILL NO. 9</u>			
<u>METALWORK</u>			
The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.			
<u>SUPPLEMENTARY PREAMBLES</u>			
Descriptions			
Descriptions of bolts shall be deemed to include nuts and washers			
Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete			
Metalwork described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described			
NOTE: All steel will be Hot dipped galvanised unless otherwise stated.			
<u>SUNDRY BRASS WORK:</u>			
<u>Brass:</u>			
1	4 x 30mm Weatherbar set in concrete flush with floor finish one side.	m	7
<u>ALUMINIUM WINDOWS, DOORS, ETC</u>			
All windows to be approved by the Architect prior to installation.			
Carried Forward			R
Section No. 2 Bill No. 9 Metalwork			

Brought Forward			R
<u>"NUKLIP TE NKCAFE" or similar approved powder coated aluminium windows, factory glazed with 6.38mm laminated safety glass with clip-on glazing beads, with neoprene seals and fixed with minimum three lugs per side in accordance with manufacturers instructions:</u>			
2	Window, size 950 x 1030mm glazed with 6.38mm laminated safety glass.	No	3
3	Window, size 950 x 1030mm glazed with 6.38mm laminated safety glass at bottom panel and aluminium louvres with mesh in the top panel	No	2
<u>STAINLESS STEEL TABLES</u>			
<u>Grade 304 (18/10) stainless steel</u>			
4	Stainless steel table model, size 1500mm long x 650 deep x 910mm high with a 150mm splash back.	No	1
5	Stainless steel table model, size 2250mm long x 650 deep x 910mm high with a 150mm splash back.	No	1
<u>WASTE BINS</u>			
<u>Waste bins, etc</u>			
6	240LT wheelie garbage bin	No	8
<u>ALUMINIUM LOUVRE UNITS</u>			
<u>Powder coated aluminium louvre units</u>			
7	Louvre unit 450 x 265mm high fixed to the external face of brickwork as per the manufacturer's instructions	No	3
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 9			
Metalwork			

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Brought Forward			R
5	<u>Cement plaster on brickwork</u> On walls	m2	20
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 10			
Plastering			

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 3</u>			
	<u>BILL NO. 11</u>			
	<u>TILING</u>			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities. Any reference to trade names in the Bills of Quantities or Architect's specification or drawings shall deem to mean "or similar and approved"			
	<u>DETAIL DESCRIPTION AND SPECIFICATION</u>			
	Note: It is the responsibility of the specialist tiler to study the drawings and design and to allow for the design and execution of special fixing accessories, expansion joints, etc			
	<u>GENERAL PREAMBLES</u>			
	Samples - With reference to all items and colour schemes: Samples off all items is to be presented for approval prior to any bulk orders. Please take note that most items will have at least six week delivery period, these approvals will only take place at dates off site meetings, the samples need to be approved well in advance to avoid any delays with lead time on orders. All samples must remain in the sample room for the duration of the contract.			
	<u>WALL TILING</u>			
	<u>200 x 200mm white glazed ceramic tiles fixed with approved adhesive and anti-bacteria grouting laid as per the manufacturer's specifications</u>			
1	On smooth plastered walls.	m2	11	
	<u>48 x 48 x 4mm mosaic tiles in 300 x 300mm sheets, on TAL mosaic fix and grout</u>			
2	On walls	m2	1	
	Carried Forward			
	Section No. 2			
	Bill No. 11			
	Tiling			
			R	

Brought Forward

R

FLOOR TILING

300 x 300 "Johnson KER 506" or equally approved tiles with 3mm joints fixed to walls with approved tile adhesive to plastered walls and waterproof tile grouting to joints

3	On floors	m2	16
4	Cut skirting 100mm high	m	21

Carried Forward to Summary of Section No. 2

Section No. 2
Bill No. 11
Tiling

R

Item No	Quantity	Rate	Amount
<u>SECTION NO. 3</u> <u>BILL NO. 12</u> <u>PLUMBING AND DRAINAGE</u> <u>(PROVISIONAL)</u> The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities. <u>SUPPLEMENTARY PREAMBLES</u> <u>Proprietary products in descriptions:</u> Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent. <u>PREAMBLES</u> The Tenderer is referred to the relevant Clauses in the Model Preambles for Trades (1999 Edition), the Department of Public Works document No. PW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities. <u>Copper pipes</u> Pipes shall be hard drawn and half-hard pipes of the class stated. Class O (thin walled hard drawn) pipes shall not be bent. Class 1 (thin walled half-hard), class 2 (half-hard) and class 3 (heavy walled half-hard) pipes shall only be bent with benders with inner and outer formers. Fittings to copper waste, vent and anti-syphon pipes, capillary solder fittings and compression fittings shall be "Cobra Watertech" type. Capillary solder fittings shall comply with ISO 2016. Only compression fittings shall be used in walls or in ground			
Carried Forward Section No. 2 Bill No. 12 Plumbing and Drainage		R	

Brought Forward

R

Reducing fittings

Where fittings have reducing ends or branches they are described as "reducing". In the case of pipes with diameters not exceeding 60 mm only the largest end or branch size is given. Should the contractor wish to use other fittings and bushes or reducers he may do so on the understanding that no claim in this regard will be entertained. In the case of pipes with diameters exceeding 60 mm all sizes are given and no claim for extra bushes, reducers, etc will be entertained

Exposed concrete surfaces

Exposed surfaces of concrete stormwater channels, cover slabs, inspection eye marker slabs, gulley tops, cleaning eye tops, catchpits, inspection chambers, etc shall be finished smooth with plaster

Excavations

No claim for rock excavation will be entertained unless the contractor has timeously notified the quantity surveyor thereof prior to backfilling

"Soft rock" and "hard rock" shall be as defined in "Earthworks"

Laying, backfilling, bedding, etc of pipes

Pipes shall be laid and bedded and trenches shall be carefully backfilled in accordance with manufacturers' instructions

Carried Forward

R

Section No. 2
Bill No. 12
Plumbing and Drainage

Brought Forward			R
Where no manufacturers' instructions exist pipes shall be laid in accordance with clauses 5.1 and 5.2 of each of the following: SABS 1200 L : Medium-pressure pipelines SABS 1200 LD : Sewers SABS 1200 LE : Stormwater drainage Pipe trenches etc shall be backfilled in accordance with clauses 3, 5.5, 5.6, 5.7 and 7 of SABS 1200 DB : Earthworks (Pipe trenches) Pipes shall be bedded in accordance with clauses 3.1 to 3.4.1, 5.1 to 5.3 and 7 of SABS 1200 LB : Bedding (Pipes) Unless otherwise described bedding of rigid pipes shall be class B bedding <u>Flush pans</u> Flush pans shall have straight or side outlets and "P" or "S" traps as necessary <u>Stainless steel basins, sinks, wash troughs, urinals, etc</u> <u>Where sanitary fittings are fixed to walls, silicone finish between fitting and wall</u> Units shall have standard aprons on all exposed edges and tiling keys against walls where applicable <u>Waste unions</u> Descriptions of waste unions shall be deemed to include rubber or vulcanite plugs and chains fixed to fittings unless otherwise stated <u>SOIL DRAINAGE</u> <u>Vitrified clay gulleys</u>			
1	100mm Dished gulley not exceeding 1000mm deep	No	2
<u>uPVC Soil pipes (SABS 791-1986):</u>			
2	40mm Pipe and fixing to walls, falls, in concrete, etc.	m	10
Carried Forward			R
Section No. 2 Bill No. 12 Plumbing and Drainage			

Brought Forward			R
3	110mm Pipes vertically or ramped to cleaning eyes etc in and including trenches not exceeding 1000mm deep.	m	5
4	110mm Pipes laid in ground not exceeding 1000mm deep including all excavations in earth, bedding cradle and blanket fill of selected granular material, main fill compacting in layers not exceeding 150mm thick, adjust moisture content to optimum and compact to a density of 90% Modified AASHTO in drain trenches including carting off surplus displaced material.	m	50
<u>Extra over uPVC pipes for fittings:</u>			
5	40 mm Adaptor	No	5
6	40 mm Bend	No	4
7	40 mm Access bend	No	2
8	110mm Access bend.	No	10
9	110 mm "GI two-way" vent valve	No	2
<u>SANITARY FITTINGS</u>			
<u>Grade 304 (18/10) stainless steel</u>			
10	Model ET101, 540 x 440mm single compartment laundry trough	No	2
11	Model CH 540 x 545 mm slop hopper unit with grid with 13 litre high level stainless steel cistern and flush pipe	No	1
<u>"Vaal" or similar approved</u>			
12	"Hibiscus" white vitreous china wash hand basin colour white(Code: 7008033), size 510 x 400mm with three semi-punched taphole including fixing bolts (VAA-8448Z0), intergrated overflow and chainstay	No	2
13	"Orchid " white vitreous china closed coupled W.C. suite colour white 90 degree wall hung open rim pan (Code: 439016), fixing brackets (Code: 8084Z0), lid (Code: 8531Z0) and Hibiscus Elite Duct concealed 6 Litre duct cistern (Code: 7116DP)	No	1
<u>WASTE UNIONS, ETC</u>			
Carried Forward			R
Section No. 2 Bill No. 12 Plumbing and Drainage			

Brought Forward				R
<u>"Cobra Watertech" or similar approved</u>				
14	32mm 303 CP basin waste plug	No	2	
15	90mm waste fitting	No	1	
16	"Franke Spazi F/2" or similar approved single bowl plumbing kit	No	1	
17	"Franke Spazi F/2" or similar approved double bowl plumbing kit	No	1	
18	"Franke" or similar approved 90mm basket strainer waste plug	No	3	
<u>TRAPS, ETC</u>				
<u>"Cobra Watertech" or similar approved</u>				
19	32 mm 345 CP bottle trap	No	2	
20	40 mm VA 2.341 shower "P" trap	No	1	
<u>TAPS, VALVES, ETC</u>				
<u>"Cobra Watertech" or similar approved</u>				
21	15mm 1003/125 RB fullway gate valve	No	4	
22	22 mm 1003/125 RB fullway gate valve	No	4	
23	832/350F angle stop valve and 350mm braided flexi hose.	No	5	
24	15mm LO-296 CP sink mixer	No	2	
25	15 mm 111-15 Star Pillar tap	No	4	
26	15mm "Cobra CXC" or similar approved stop tap (Code: 238N)	No	2	
27	15 x 150mm shower arm	No	1	
28	15 standard ball joint shower head	No	1	
29	PB 1.10 RB vacuum breaker	No	1	
30	20 mm PA 3.132 "Masterflo 1" pressure reducing valve	No	1	
Carried Forward				R
Section No. 2 Bill No. 12 Plumbing and Drainage				

Brought Forward			R
<u>WATER SUPPLIES</u>			
<u>Class 2 copper pipes</u>			
31	15 mm Pipe and fixing to walls, floors, in roofs, soffit of concrete slab in concrete, etc.	m	35
32	Ditto, but 22mm pipe	m	35
<u>Extra over class 2 copper pipes for capillary fittings to DIN2856, ISO2016 and BS 864</u>			
33	15mm Fittings	No	25
34	22mm Fittings	No	25
<u>ELECTRIC WATER HEATERS</u>			
<u>Electric water heaters:</u>			
35	100 litre 'Kwikot 600 Dual' or similar approved hot water heater with three kilowatt element, draincock and safety valve and fix on geyser tray (elsewhere measured) in roof space and joints to three 22mm copper pipes including connectors. (Electrical connection by Electrician).	No	1
36	'Kwikot' or similar approved polyethylene geyser tray to suit 50 litre horizontal geyser in roof space with socketed connection for overflow pipe.	No	1
<u>TESTING</u>			
37	Allow for testing all drains, sanitary plumbing and water supplies to the satisfaction of the Architect and to Municipal requirements. All defective work is to be taken out and replaced at the Contractor's expense.	Item	
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 12			
Plumbing and Drainage			

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 3</u>			
	<u>BILL NO. 13</u>			
	<u>PAINTWORK</u>			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Proprietary products in descriptions:</u>			
	Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.			
	All work to be executed in strict accordance with the specifications of the paint manufacturer.			
	Where surfaces of plaster etc are sandy / friable, the first coat must be replaced with plaster primer thinned 10% with turpentine.			
	<u>PAINTWORK ETC TO NEW WORK</u>			
	<u>ON FIBRE-CEMENT</u>			
	<u>Prepare and apply two coats pure acrylic roof paint on:</u>			
1	Fascias and barge boards.	m2	23	
	<u>ON PLASTERBOARD</u>			
	<u>Prepare and prime nail heads and apply one coat primer thinned 5 parts to 1 part Mineral Turpentine and paint with two coats pva paint on:</u>			
2	Ceilings and cornices.	m2	44	
	<u>ON PLASTERED SURFACES</u>			
	Carried Forward		R	
	Section No. 2 Bill No. 13 Paintwork			

Brought Forward			R
<u>Prepare surfaces, apply one coat merit plaster primer and two coats plascon double velvet paint according to manufacturers specification.</u>			
3	Interior walls.	m2	161
<u>Prepare surfaces, apply one coat merit plaster primer (PP700) and two coats Wall and All paint according to manufacturers specification.</u>			
4	Exterior walls.	m2	35
<u>ON WOOD</u>			
<u>Prepare surfaces, apply one coat merit plaster primer (PP800) and two coats water based velvagio satin paint according to manufacturers specification.</u>			
5	Doors (all surfaces measured).	m2	29
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 13			
Paintwork			

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Item No		Quantity	Rate	Amount
	<u>SECTION NO. 4</u>			
	<u>BILL NO. 1</u>			
	<u>OCCUPATIONAL HEALTH AND SAFETY</u>			
	<u>Occupational Health & Safety, incl. HBA</u>			
	Preparation of the Contractor's site-specific Health and Safety Plan & Risk Assessment Health and Safety File in Hard Copy. (Include sub-contractors OHS File compliance)			
		Item		
	<u>Provision of Personal Protective Equipment (PPE)</u>			
	<u>Note: Tenderer to provide quantity for full competent of staff for contract period</u>			
1	Overalls with reflective strips including the contractor's logo and proof of induction	Item		
	Hard Hats (High Density polyethylene, & 6-point lining)	Item		
	Safety boot / shoes (Steel - toe)	Item		
	Ear Plugs / Muffs	Item		
	Dust Masks (at least FF2 type)	Item		
	Safety gloves	Item		
	Ear Defenders SABS approved	Item		
	Reflective vest for Visitor and Supervisors	Item		
	<u>Competent Personnel</u>			
	Competent scaffolding supervisor, erectors. Etc	Item		
	Carried Forward		R	
	Section No. 3			
	Bill No. 1			
	Health and Safety			

Brought Forward		R
Competent Formwork Supervisors and erectors	Item	
Competent Fall Protection Plan Developer	Item	
Work at heights training for all employees working at heights	Item	
<u>Cost of medical certificates and medical surveillance per employee</u>		
<u>Note: Tenderer to provide quantity for full component of staff for contract period</u>		
Initial (baseline) medical examinations	Item	
Provision of First Aid Boxes to GSR requirements	Item	
Working At heights medicals	Item	
2 Working at heights fall arrest equipment	Item	
Fire and emergency prevention signage	Item	
3 Vaccination (sewer works)	Item	
<u>Adhoc: Any OHS & HBA related requirements not listed above</u>		
Printer, Paper and Ink, consumables, soap	Item	
Waste bins	Item	
Close out H& S files scanned electronically with original files to CHSA.	Item	
<u>SUMMARY OF CATEGORIES</u>		
Category: Fixed	R	
Category: Value	R	
Category: Time	R	
Carried to Final Summary		R
Section No. 3		
Bill No. 1		
Health and Safety		

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 5</u>			
	<u>BILL NO. 1</u>			
	<u>PROVISIONAL AMOUNTS & BUDGETARY ALLOWANCES</u>			
	<u>ELECTRICAL INSTALLATION</u>			
1	Provide a sum of R 120 000.00 (One Hundred and Twenty Thousand Rands) for Electrical Installation.	Item		120 000,00
2	Allow for profit.	Item		
3	Allow for attendance.	Item		
	<u>MECHANICAL INSTALLATION</u>			
4	Provide a sum of R 80 000.00 (Eighty Thousand Rands) for servicing of air conditioners.	Item		80 000,00
5	Allow for profit.	Item		
6	Allow for attendance.	Item		
	<u>REMOVAL OF FURNITURE AND EQUIPMENT</u>			
7	Provide an amount of R50 000 (Fifty Thousand Rands) for contractor to assist in moving of furniture and equipment during construction	Item		50 000,00
8	Allow for profit.	Item		
9	Allow for attendance.	Item		
	<u>COMMUNITY LIASON OFFICER</u>			
10	Provide the sum of R75 000.00 (Seventy Five Thousand Rands) for the placement of a community liaison officer to be employed by the main contractor (R5 000.00 per month for the duration of the contract)	Item		75 000,00
11	Allow for attendance.	Item		
	Carried to Final Summary		R	
	Section No. 4			
	Bill No. 1			
	Provisional Sums			

FINAL SUMMARY		Page No	Amount
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Sub-Total Carried to Grand Final Summary			R

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Brought Forward

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Tenderers are advised to visit the site and to inspect the works in conjunction with the drawings in order to ascertain the exact nature and extent of the work to be done. The work is to be carried out in sections in accordance with the Architect's instructions in such a manner as to cause the minimum of nuisance and delay and the various sections are to be handed over for occupation as soon as they are completed and Tenderers must allow accordingly for this in their pricing.

The Contractor will be held solely responsible for checking all floor levels and dimensions in the existing building in order that the new extensions may be correctly lined up. Should any discrepancies be found in the Architect's drawings he should be asked for a decision before continuing with the work.

The Contractor will be held solely responsible for any damage to persons and property, for the safety of the new and existing structure throughout the whole of the contract and must make good at his own expense any damage that may occur.

Old materials described as "carefully take out, set aside for re-use and later refix in new position" are to be carefully removed, stored and protected from injury, made good as required and if broken or damaged through taking out, removing, storage, etc, are to be replaced by the Contractor at his own expense. Tenderers are advised to inspect these materials to ascertain their condition and allow accordingly for this in their pricing.

Allow for giving notice to local or other authorities for disconnecting electric light, water and drainage mains and removing telephone wires, etc, and pay all fees in connection therewith and afford every facility to the workmen carrying out this work.

All materials in this section are measured as new except where old material is specifically mentioned as being re-used.

When pricing, Tenderers are to allow as follows:

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Section No. 1
Bill No. 1
Alterations (Provisional)

Brought Forward

R

Where door and window openings, etc, are specified to be filled in, or where jambs, cills, etc are specified to be built up, brickwork shall be of hard burnt clay stock bricks in 5.1 cement mortar unless otherwise specified, cut, toothed and bonded into existing brickwork and pinned up as required with slates or other hard materials. Brickwork built to fair face or in facings is to be of bricks and pointed to match existing. Plaster is to be 5.1 cement plaster unless otherwise specified.

Where lintels are specified as reinforced concrete the prices are to include for breaking out brickwork over for and inserting cement concrete (20MPa) lintel with 230mm bearing on each end and 254mm deep and reinforced with and including one 12mm diameter mild steel rod for each half brick thickness of wall and including formwork. The steel rods are to be hooked at ends and embedded 25mm up from bottom of lintels. Lintels exceeding 1370mm span to be similarly reinforced but with 20mm diameter mild steel rods.

Where lintels are specified as precast concrete the prices are to include for breaking out brickwork over for and inserting precast prestressed cement concrete (30MPa) lintel with 230mm bearing on each end size 108 x 75mm deep for each half brick thickness of wall.

The term "take out" includes all work taken out, taken up, taken down, taken off, etc ; the term "break up" includes all work broken up, broken down, broken off, etc and the term "hack off" includes all work hacked off, hacked up, hacked down, etc.

The term "make good" is to include all labour and material required to match existing work.

The terms "take out and remove door", "take out and remove window", "carefully take out, set aside for re-use and later refix window in new position", etc are to include all materials connected with such door or window such as doors, windows, fanlights, frames, ironmongery, glass, architraves, beads, fillets, cramps, dowels, etc.

Carried Forward

R

Section No. 1
Bill No. 1
Alterations (Provisional)

Brought Forward		R	
The terms "take out and remove sink unit", "take out and remove lavatory basin", "carefully take out, set aside for re-use and later refix W.C. suite in new position", etc are to include all materials connected with such sanitary fittings such as brackets, cisterns, taps, traps, flushing valves, flush pipes, etc and are to include for the cutting back and stopping off of supply and waste pipes. ----- ----- <u>TEMPORARY BARRIERS, SCREENS, ETC</u> <u>Temporary barriers, screens, etc including removal</u>			
1	Supply and erect any temporary tarpaulins, dust or weatherproof screens, hoardings and temporary access gates that may be necessary during the contract to the satisfaction of the Representative/Agent and remove when directed.	Item	
<u>REMOVAL OF EXISTING WORK</u> <u>Taking out and removing doors, windows, etc including thresholds, sills, etc and prepare openings to receive new.</u>			
2	Timber single door.	No	2
<u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc</u>			
3	Gypsum ceiling boards including brandering and cornices	m2	159
<u>Taking up and removing vinyl floor covering, carpeting, etc</u>			
4	Vinyl tile floor covering and prepare to receive new floor covering (elsewhere measured).	m2	204
Carried Forward to Summary of Section No. 1 Section No. 1 Bill No. 1 Alterations (Provisional)		R	

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 2</u>			
	<u>EARTHWORKS (PROVISIONAL)</u>			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Proprietary products in descriptions:</u>			
	Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.			
	<u>Nature of material to be excavated:</u>			
	The material to be excavated is assumed to be predominantly of a composition that will allow excavation in "earth" as specified, but including a percentage of excavation in "soft rock" and "hard rock".			
	<u>Carting away of excavated material:</u>			
	Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations, or alternatively, from stock piles situated on the building site.			
	<u>Dewatering of excavations:</u>			
	The Contractor shall allow for removing seepage and other water from subterranean sources from the excavations by pumping, baling or otherwise. Accurate records of all such dewatering shall be kept to determine the total volume of water so removed and a clear distinction shall be made between water from subterranean sources and other water			
	Carried Forward		R	
	Section No. 1 Bill No. 2 Earthworks			

Brought Forward			R
<u>Density testing on filling:</u>			
Rates for filling, etc. shall include for all density and soil type testing to prove that the specified compaction is achieved. When additional testing is done on instruction of the Principal Agent and these tests are successful, they will be paid for additionally.			
<u>Imported fill:</u>			
"Filling and bedding to trenches etc. to be in compliance with SABS 1200 DB and LB respectively"			
<u>EXCAVATION, FILLING, ETC</u>			
<u>Site Clearance, Excavations, Filling, Etc.</u>			
1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc	m2	80
2	Excavate in earth to reduce levels	m3	36
3	Excavate in earth for surface trenches not exceeding 2000mm deep.	m3	5
4	Extra over all excavations for carting away surplus excavated material.	m3	80
5	Allow for risk of collapse to sides of trench and base excavations not exceeding 1500mm deep.	m2	15
6	G5 filling, selected and supplied by the Contractor, deposited in layers not exceeding 150mm thick, watered and consolidated to 98% mod AASHTO density under floors, etc.	m3	18
7	Rip, scarify, mix and consolidate top 150mm of sub grade to 95% mod AASHTO density.	m2	360
<u>Prescribed density tests on filling:</u>			
8	Allow for compaction tests by an approved laboratory to determine density of filling material.	No	5
<u>Keeping excavations free of water</u>			
9	Keeping excavations free of all water other than subterranean water	Item	
Carried Forward			R
Section No. 1 Bill No. 2 Earthworks			

Brought Forward				R
<u>Soil poisoning</u>				
10	Under floors, etc including forming and poisoning shallow furrows against foundation walls, surface beds, etc and filling in furrows and ramming	m2	23	
Carried Forward to Summary of Section No. 1				
Section No. 1				
Bill No. 2				
Earthworks				

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 3</u>			
	<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities. <u>SUPPLEMENTARY PREAMBLES</u> <u>Proprietary products in descriptions:</u> Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent. <u>Cost of tests:</u> The costs of making, storing and testing of concrete test cubes as required under clause 7 'Tests' of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the Architect. The testing shall be undertaken by an independent firm or institution nominated by the Contractor to the approval of the Architect. (Test cubes are measured separately). <u>Formwork:</u> Descriptions of formwork shall be deemed to include use and waste only (except where described as left in or permanent), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use. The vertical strutting shall be carried down to such construction as is sufficiently strong to afford the required support without damage and shall remain in position until the newly constructed work is able to support itself.			
	Carried Forward		R	
	Section No. 1 Bill No. 3 Concrete, Formwork and Reinforcement			

Brought Forward			R
Formwork to soffits of solid slabs etc., shall be deemed to be to slabs not exceeding 250mm thick unless otherwise described.			
Formwork to sides of bases, pile caps, ground beams, etc., will only be measured where it is prescribed by the Engineer for design reasons. Formwork necessitated by irregularity or collapse of excavated faces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavations, provision for which is made in Earthworks.			
<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>			
<u>VIBRATED REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>			
<u>30 MPa/19 mm concrete</u>			
1	Strip footings	m3	2
<u>(25MPa) open stormwater channels with V-shaped waterway formed in top, finished smooth on all exposed surfaces</u>			
2	1000 x 110mm open concrete stormwater channel with 860 x 60mm deep 'V' channel with rounded salient edges and finished on exposed surfaces with (2:1) cement mortar, laid to falls in panels not exceeding 3,0m long with 12mm bitumen impregnated softboard movement joints with exposed edges raked out for a depth of 10mm and filled with bituminous compound on suitable 150mm subbase material compacted to 93% Mod A.A.S.H.T.O. density, including all necessary excavations, 250 micron dpm, formwork, ref 100 mesh, compaction, grading, carting away, etc.	m	5
3	Extra over channel for angles, intersections, ends, etc.	No	2
4	Extra over for widening concrete to form spreader 2500mm wide extreme for a length of 1250mm and bedding 150 x 150 x 150mm stone pitching embedded in newly cast wet concrete spaced at 300mm centre spacings to falls including brushing concrete between stones.	No	1
Carried Forward			R
Section No. 1			
Bill No. 3			
Concrete, Formwork and Reinforcement			

Brought Forward			R
<u>VIBRATED REINFORCED CONCRETE</u>			
<u>30 MPa/19 mm concrete</u>			
5	Surface beds cast in panels.	m3	23
6	Ramps.	m3	2
<u>Finishing top surfaces of concrete to an evenly ribbed non-slip surface (broom finish):</u>			
7	Surface beds to falls.	m2	170
<u>TESTING</u>			
8	Concrete test cubes size 150 x 150 x 150mm overall including testing (Provisional).	No	9
<u>REINFORCEMENT</u>			
<u>High tensile steel reinforcement to structural concrete work:</u>			
9	10mm Diameter bars.	kg	500
<u>Fabric reinforcement:</u>			
10	REF. 193 fabric reinforcement in concrete surface beds, slabs, etc.	m2	151
Carried Forward to Summary of Section No. 1			R
Section No. 1			
Bill No. 3			
Concrete, Formwork and Reinforcement			

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 4</u>			
	<u>MASONRY</u>			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Proprietary products in descriptions:</u>			
	Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.			
	<u>BRICKWORK IN FOUNDATIONS</u>			
	<u>(PROVISIONAL)</u>			
	<u>Brickwork of NFX bricks (14 MPa nominal compressive strength) in Class I mortar:</u>			
1	One brick walls.	m2	15	
	<u>BRICKWORK SUNDRIES</u>			
	<u>Brickwork reinforcement:</u>			
2	150mm Wide reinforcement built in horizontally.	m	120	
	<u>FACE BRICKWORK</u>			
	<u>Firelight Travertine (FBX) facebricks pointed with square ruled recessed horizontal and vertical joints:</u>			
3	Extra over brickwork for face brickwork externally.	m2	12	
	<u>Brick-on-edge header course copings, sills, etc with recessed joints on all exposed faces:</u>			
	<u>Note:</u>			
	Carried Forward		R	
	Section No. 1			
	Bill No. 4			
	Masonry			

Brought Forward			R
	<u>Brick-on-edge header course copings, sills, etc with recessed joints on all exposed faces:</u>		
4	220mm Wide roller course to top of foundation walls bedded and jointed in cement mortar and pointed on top and one side as described.	m	15
	<u>PAVING</u>		
	<u>Interlocking precast concrete (35 MPa) paving blocks laid with butt joints on 50mm thick river sand bed and sand/cement mix between joints</u>		
5	Paving of 80mm thick blocks including edge blocks to falls and cross falls	m2	216
Carried Forward to Summary of Section No. 1			R
Section No. 1			
Bill No. 4			
Masonry			

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Brought Forward			R
<u>Pre-painted aluminium rainwater goods:</u>			
1	150 x 130 x 150mm High eaves gutter fixed to falls in continuous lengths at not exceeding 600mm centres with and including approved gutter brackets.	m	52
2	Extra over eaves gutter for stop end.	No	4
3	Extra over eaves gutter for outlet for 100 x 75mm pipe.	No	2
4	100 x 75mm Rainwater pipes fixed to walls with and including approved holderbats at 900mm centres.	m	6
Carried Forward to Summary of Section No. 1			R
Section No. 1			
Bill No. 5			
Roof Coverings Etc.			

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 2</u>			
	<u>CARPENTRY AND JOINERY</u>			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Proprietary products in descriptions:</u>			
	Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.			
	<u>Prefabricated roof trusses:</u>			
	Prices must include for all cross and windbracing according to the manufacturer's instruction.			
	Prices must include for the design, plans and approval of all timber trusses and no claim shall be considered.			
	Pre-fabricated timber roof trusses shall comply with the requirements of SABS Specification 0163 and be constructed of South African pine as described in clause 8.5 to the designs shown on the Manufacturer's detail drawings. The timber shall be of cross-sectional dimensions shown, cut to correct lengths with ends square or at the required angle.			
	Trusses shall be assembled in truss fabricating jigs with the truss having the proper camber, all tightly clamped together with joints secured using approved connector plates of galvanised steel sheet. Connector plates shall be pressed into the timber simultaneously from both sides of the truss with a hydraulic press capable of exerting such pressure as will ensure complete penetration of the teeth into the timber.			
	Carried Forward		R	
	Section No. 1 Bill No. 6 Carpentry and Joinery			

Brought Forward

R

The connector plates shall be of such size as will ensure that the joints so made will adequately withstand the forces exerted on the joints.

In coastal areas connector plates in buildings without ceilings shall be painted with two coats of epoxy tar complying with SABS Specification 801 Type 2, or rust neutralising paint.

Approval of pre-fabricated roofing systems, whether measured as an alternative or not, shall be subject to the following requirements:

(a) The Manufacturer of the pre-fabricated trusses shall hold a certificate of competence issued by the Institute for Timber Construction.

(b) A polyester print, size A1 having a minimum thickness of 0,5mm, shall be submitted by the Contractor to the Structural Engineer at an early stage for approval by the Directorate: Structural Engineering Services.

(c) The drawings shall be signed by a Registered Professional Engineer whose name appears on the Departmental panel for structural work.

(d) In the case of systems buildings, approval shall be given with submission of the contract drawings on acceptance of the tender.

The following minimum information shall be shown on the drawings:

- (a) Details of the roof system with the position of the rafters and purlins indicated thereon as well as typical elevations.
- (b) Bracing as recommended by the Institute for Timber Construction.
- (c) Sizes and grading of the timber components.
- (d) Truss sizes, e.g. height of ridge or angle of pitch.
- (e) Plate sizes for every construction point. (Code numbers only are deemed insufficient).

Carried Forward

R

Section No. 1
Bill No. 6
Carpentry and Joinery

Brought Forward (f) Seperate connection details for hip, valley and jack rafters. (g) Maximum spacing for purlins and brandering to ceilings shall be according to Subclauses 7.6.1 and 7.6.2 and Clauses 7.8, 7.9 and 9.5. (h) The type of roof covering as well as the design load. Over and above the supervision undertaken by the Representative / Agent, the Truss Fabricator or his Design Engineer shall inspect the completed roof structure and issue a certificate of confirmation to the Department that: "The roof structure(s) has (have) been erected in accordance with the Design Engineer's drawings, as accepted by the Department, and the relevant details given in the manual "THE ERECTION AND BRACING OF TIMBER ROOF TRUSSES" issued by the National Timber Research Institute and the Institute for Timber Construction". <u>Joinery:</u> Descriptions of frames shall be deemed to include frames, transomes, mullions, rails, etc. Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes. <u>Fixing:</u> All nailing of timber roof trusses, purlins, etc shall be done with galvanised nails. In coastal areas, copper, aluminium or stainless steel nails shall be used. Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete. Where items are described as "bolted" the bolts have been measured elsewhere. <u>EAVES, VERGES, ETC</u> Carried Forward Section No. 1 Bill No. 6 Carpentry and Joinery	R R

Brought Forward			R
<u>Pressed fibre-cement:</u>			
1	15 x 225mm Fascia board three times drilled, and brass screwed to and including 38 x 50 x 114mm long S.A. Pine cleats twice brass screwed to rafter foot including galvanised steel H-profile jointing strips, screws, holes etc.	m	52
<u>DOORS ETC</u>			
<u>Solid core flush doors, with Commercial veneer both sides and with hardwood edge strips, tongued and grooved on to edges:</u>			
2	40mm Thick, single flush door, size 813 x 2,032mm high.	No	2
<u>Wrought hardwood doors:</u>			
3	44 mm Framed batten door 813 x 2032 mm high of 44 x 146 mm top rail and stiles, 22 x 146 mm middle ledge and braces and 22 x 222 mm bottom rail filled in with 22 mm V-jointed one side boarding and covered on other side with 3 mm plywood with veneer to match door let into and including rebates all round	No	1
<u>BEADS, ARCHITRAVES, ETC</u>			
<u>Wrought meranti:</u>			
4	19 x 70mm Skirting fixed to walls including 19mm quadrant bead planted on.	m	221
<u>JOINERY FITTINGS</u>			
<u>Service of kitchen cabinets</u>			
5	Allow the sum of R 30 000.00 for servicing of kitchen cabinets	Item	
Carried Forward to Summary of Section No. 1			R
Section No. 1			
Bill No. 6			
Carpentry and Joinery			

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 3</u>			
	<u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u>			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Proprietary products in descriptions:</u>			
	Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.			
	<u>Descriptions:</u>			
	Items described as nailed shall be deemed to be fixed with hardened steel nails or pins or shot pinned to brickwork or concrete.			
	Items described as plugged shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres, and where described as bolted the bolts have been given.			
	<u>NAILED UP CEILINGS</u>			
	<u>6,4mm gypsum plasterboard with pvc h profile jointing strips over joints:</u>			
1	Ceilings including 38 x 50mm sawn softwood brandering at 400mm centres with cross brandering at joints, ends of sheets and at light fittings, etc.	m2	204	
	Carried Forward		R	
	Section No. 1			
	Bill No. 7			
	Ceilings, Partitions and Access Flooring			

Brought Forward			R
<u>6mm "Everite Nutec" fibre cement board with H-profile white pvc jointing strips:</u>			
2	Ceilings including 38 x 50mm sawn softwood brandering at 400mm centres with cross brandering at joints, ends of sheets and at light fittings, etc.	m2	5
3	Extra over Fibre-cement ceiling for forming trap door size 630 x 630mm in clear formed with 38 x 50mm sawn S.A. pine framing covered with ceiling boarding and set in 38 x 76mm wrought S.A. pine rebated kerb, including trimmers.	No	1
<u>Rhino Gypsum plasterboard cornices</u>			
4	75 mm Coved cornices	m	241
<u>Insulation</u>			
5	40mm Thick fibreglass insulation blanket in cavity of partitioning	m2	204
Carried Forward to Summary of Section No. 1			R
Section No. 1			
Bill No. 7			
Ceilings, Partitions and Access Flooring			

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 4</u>			
	<u>FLOOR COVERINGS, WALL LININGS, ETC</u>			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Proprietary products in descriptions:</u>			
	Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.			
	<u>Cleaning:</u>			
	Rates for floor covering shall include for proper cleaning on completion.			
	<u>VINYL FLOOR COVERINGS, WALL LININGS, ETC.</u>			
	<u>2mm heavy duty fully flexible homogeneous non directional 2000mm wide vinyl floor sheeting with welded joints, laid in approved pressure sensitive adhesive in strict accordance with the manufacturer's specification</u>			
1	On smooth screeded floors.	m2	204	
	<u>POLISH, SEALERS, ETC</u>			
	<u>Clean by stripping and sealing and apply three coats water based copolymer emulsion or other approved sealer:</u>			
2	On vinyl flooring.	m2	204	
	Carried Forward to Summary of Section No. 1			R
	Section No. 1			
	Bill No. 8			
	Floor Coverings, Wall Linings, Etc.			

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u> <u>BILL NO. 5</u> <u>IRONMONGERY</u> The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities. <u>SUPPLEMENTARY PREAMBLES</u> <u>Proprietary products in descriptions:</u> Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent: <u>Finishes to ironmongery:</u> Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list BS Satin bronze lacquered CP Chromium plated SC Satin chromium plated SE Silver enamelled GE Grey enamelled AS Anodised silver AB Anodised bronze AG Anodised gold ABL Anodised black PB Polished brass PL Polished and lacquered PT Epoxy coated SD Sanded Fixing: Descriptions of wall mounted and floor standing ironmongery items shall be deemed to include for fixing in position and all fixing accessories Descriptions of proprietary items shall be deemed to include fixing in position and all fixing accessories Ironmongery to be Union or similar approved <u>HINGES, BOLTS, ETC</u> <u>"Union" or similar approved</u>			
1	100 x 75mm heavy duty nylon washered brass butt hinges.	No	6	
	Carried Forward		R	
	Section No. 1 Bill No. 9 Ironmongery			

Brought Forward

R

LOCKS**"Union" or similar approved**

- 2 Gower CZ682-24CH/2252-76SS Three lever mortice lockset complete with approved chromium plated handles.

No

5

Sundries:

- 3 32mm Diameter black rubber door stop plugged to concrete floor.

No

12

Carried Forward to Summary of Section No. 1

Section No. 1
 Bill No. 9
 Ironmongery

R

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 6</u>			
	<u>METALWORK</u>			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	Descriptions			
	Descriptions of bolts shall be deemed to include nuts and washers			
	Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete			
	Metalwork described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described			
	NOTE: All steel will be Hot dipped galvanised unless otherwise stated.			
	<u>GALVANISED STEEL HANDRAILS, BALUSTRADES, ETC.</u>			
	<u>Balustrades</u>			
1	Galvanised steel balustrade 1100mm high formed of 50mm external diameter grade 304 continuous hollow tube handrail welded to 12mm diameter gauge stainless steel rod welded to 70 x 70 x 4mm galvanised mild steel stanchion at 2000mm centres fixed to 90 x 90 x 5mm galvanised mild steel base plate bolted to concrete, with balustrade panel formed of 70 x 5mm galvanised mild steel top and bottom rails, 70 x 5mm vertical rails at 128mm centres, 30 x 5mm galvanised mild steel vertical members and 50 x 40 x 5mm connection plate bolted to stanchion with 8mm bolts as detailed in drawing attached to back of Bills of Quantities.	m	15	
	Carried Forward		R	
	Section No. 1 Bill No. 10 Metalwork			

Brought Forward			R
<u>Bolts, Anchors etc.</u>			
2	M8 x 90mm stainless steel rawl bolt	No	60
<u>SUNDRY BRASS WORK:</u>			
<u>Brass:</u>			
3	4 x 30mm Weatherbar set in concrete flush with floor finish one side.	m	6
<u>PRESSED STEEL DOOR FRAMES</u>			
<u>1,6mm thick approved galvanised double rebated frames suitable for 230mm brick walls</u>			
4	Frame for door 813 x 2032mm high	No	1
Carried Forward to Summary of Section No. 1			R
Section No. 1			
Bill No. 10			
Metalwork			

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 7</u>			
	<u>PLASTERING</u>			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Proprietary products in descriptions:</u>			
	Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.			
	<u>Prepare and clean surface and apply self-levelling screed, in strict accordance with manufacturer's instructions, to form an even surface to receive vinyl tiles (elsewhere measured):</u>			
1	On new screeded floors (Provisional).	m2	204	
	Carried Forward to Summary of Section No. 1			
	Section No. 1			
	Bill No. 11			
	Plastering			
			R	

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 8</u>			
	<u>PLUMBING AND DRAINAGE (PROVISIONAL)</u>			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Proprietary products in descriptions:</u>			
	Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.			
	<u>TAPS, VALVES, ETC</u>			
	<u>'Cobra" or similar approved</u>			
1	15mm Chrome plated code 211-15 pillar tap.	No	3	
	<u>Testing:</u>			
2	Testing waste water pipe system.	Item		
	Carried Forward to Summary of Section No. 1			
	Section No. 1			
	Bill No. 12			
	Plumbing and Drainage			
			R	

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 8</u>			
	<u>PAINTWORK</u>			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Proprietary products in descriptions:</u>			
	Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.			
	All work to be executed in strict accordance with the specifications of the paint manufacturer.			
	Where surfaces of plaster etc are sandy / friable, the first coat must be replaced with plaster primer thinned 10% with turpentine.			
	<u>PAINTWORK ETC TO PREVIOUSLY PAINTED SURFACES</u>			
	<u>ON FIBRE-CEMENT</u>			
	<u>Prepare and apply two coats pure acrylic roof paint on:</u>			
1	Fascias and barge boards.	m2	34	
	<u>ON PLASTERBOARD</u>			
	<u>Prepare and prime nail heads and apply one coat plaster primer thinned 5 parts to 1 part Mineral Turpentine and paint with two coats pva paint on:</u>			
2	Ceilings and cornices.	m2	209	
	Carried Forward		R	
	Section No. 1 Bill No. 13 Paintwork			

Brought Forward			R
<u>ON PLASTERED SURFACES</u>			
<u>Prepare surfaces, apply one coat merit plaster primer (PP700) and two coats pva (EPL/TAP) paint according to manufacturers specification.</u>			
3	Interior walls.	m2	684
<u>Prepare surfaces, apply one coat merit plaster primer (PP700) and two coats Wall and All paint according to manufacturers specification.</u>			
4	Exterior walls.	m2	8
<u>ON WOOD</u>			
<u>Prepare surfaces, apply one coat merit plaster primer (PP800) and two coats water based velvagio satin paint according to manufacturers specification.</u>			
5	Doors (all surfaces measured).	m2	73
<u>Prepare, knot and apply one coat woodcare pretreatment and two coats off woodcare interior water based wood varnish</u>			
6	Doors (all surfaces measured).	m2	15
7	Skirtings, rails, etc not exceeding 300mm girth.	m	221
<u>ON METAL</u>			
<u>Clean down thoroughly with galvanised iron cleaner. Apply one coat of Plascon Plascoprime 170 Zinc Phosphate Primer (UC170) and finish with two full coats of Plascon Water based Velvagio Satin (VLW)</u>			
8	On windows	m2	58
Carried Forward to Summary of Section No. 1			R
Section No. 1			
Bill No. 13			
Paintwork			

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Item No		Quantity	Rate	Amount
	<u>CLINIC SERVICES BUILDING</u>			
	<u>SECTION NO. 3</u>			
	<u>BILL NO. 1</u>			
	<u>EARTHWORKS (PROVISIONAL)</u>			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Proprietary products in descriptions:</u>			
	Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.			
	<u>Nature of material to be excavated:</u>			
	The material to be excavated is assumed to be predominantly of a composition that will allow excavation in "earth" as specified, but including a percentage of excavation in "soft rock" and "hard rock".			
	<u>Carting away of excavated material:</u>			
	Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations, or alternatively, from stock piles situated on the building site.			
	<u>Dewatering of excavations:</u>			
	The Contractor shall allow for removing seepage and other water from subterranean sources from the excavations by pumping, baling or otherwise. Accurate records of all such dewatering shall be kept to determine the total volume of water so removed and a clear distinction shall be made between water from subterranean sources and other water			
	Carried Forward		R	
	Section No. 2			
	Bill No. 1			
	Earthworks			

Brought Forward			R
<u>Density testing on filling:</u>			
Rates for filling, etc. shall include for all density and soil type testing to prove that the specified compaction is achieved. When additional testing is done on instruction of the Principal Agent and these tests are successful, they will be paid for additionally.			
<u>Imported fill:</u>			
"Filling and bedding to trenches etc. to be in compliance with SABS 1200 DB and LB respectively"			
<u>EXCAVATION, FILLING, ETC</u>			
<u>Excavations, Filling, Etc.</u>			
1	Excavate in earth for surface trenches not exceeding 2000mm deep.	m3	38
2	Extra over excavations in earth to bases and trenches for excavation in soft rock	m3	4
3	Extra over excavations in earth to bases and trenches for excavation in hard rock.	m3	2
4	Extra over all excavations for carting away surplus excavated material.	m3	25
5	Allow for risk of collapse to sides of trench and base excavations not exceeding 1500mm deep.	m2	107
6	Earth filling, selected by the Contractor from the excavated material, deposited in layers not exceeding 150mm thick, watered and consolidated to 93% modified AASHTO density as backfilling to trenches, bases, etc.	m3	13
7	G5 filling, selected and supplied by the Contractor, deposited in layers not exceeding 150mm thick, watered and consolidated to 98% mod AASHTO density under floors, etc.	m3	15
8	Rip, scarify, mix and consolidate top 150mm of sub grade to 95% mod AASHTO density.	m2	44
Carried Forward			R
Section No. 2			
Bill No. 1			
Earthworks			

Brought Forward			R
<u>Prescribed density tests on filling:</u>			
9	Allow for compaction tests by an approved laboratory to determine density of filling material.	No	6
<u>Keeping excavations free of water</u>			
10	Keeping excavations free of all water other than subterranean water		Item
<u>Soil poisoning</u>			
11	Under floors, etc including forming and poisoning shallow furrows against foundation walls, surface beds, etc and filling in furrows and ramming	m2	44
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 1			
Earthworks			

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 3</u>			
	<u>BILL NO. 2</u>			
	<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities. <u>SUPPLEMENTARY PREAMBLES</u> <u>Proprietary products in descriptions:</u> Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent. <u>Cost of tests:</u> The costs of making, storing and testing of concrete test cubes as required under clause 7 'Tests' of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the Architect. The testing shall be undertaken by an independent firm or institution nominated by the Contractor to the approval of the Architect. (Test cubes are measured separately). <u>Formwork:</u> Descriptions of formwork shall be deemed to include use and waste only (except where described as left in or permanent), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use. The vertical strutting shall be carried down to such construction as is sufficiently strong to afford the required support without damage and shall remain in position until the newly constructed work is able to support itself.			
	Carried Forward		R	
	Section No. 2 Bill No. 2 Concrete, Formwork and Reinforcement			

Brought Forward			R
Formwork to soffits of solid slabs etc., shall be deemed to be to slabs not exceeding 250mm thick unless otherwise described.			
Formwork to sides of bases, pile caps, ground beams, etc., will only be measured where it is prescribed by the Engineer for design reasons. Formwork necessitated by irregularity or collapse of excavated faces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavations, provision for which is made in Earthworks.			
<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>			
<u>VIBRATED REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>			
<u>30 MPa/19 mm concrete</u>			
1	Strip footings	m3	11
<u>(25MPa) open stormwater channels with V-shaped waterway formed in top, finished smooth on all exposed surfaces</u>			
2	1000 x 110mm open concrete stormwater channel with 860 x 60mm deep 'V' channel with rounded salient edges and finished on exposed surfaces with (2:1) cement mortar, laid to falls in panels not exceeding 3,0m long with 12mm bitumen impregnated softboard movement joints with exposed edges raked out for a depth of 10mm and filled with bituminous compound on suitable 150mm subbase material compacted to 93% Mod A.A.S.H.T.O. density, including all necessary excavations, 250 micron dpm, formwork, ref 100 mesh, compaction, grading, carting away, etc.	m	45
3	Extra over channel for angles, intersections, ends, etc.	No	6
4	Extra over for widening concrete to form spreader 2500mm wide extreme for a length of 1250mm and bedding 150 x 150 x 150mm stone pitching embedded in newly cast wet concrete spaced at 300mm centre spacings to falls including brushing concrete between stones.	No	2
Carried Forward			R
Section No. 2			
Bill No. 2			
Concrete, Formwork and Reinforcement			

Brought Forward			R
<u>VIBRATED REINFORCED CONCRETE</u>			
<u>30 MPa/19 mm concrete</u>			
5	Surface beds on waterproofing.	m3	6
6	Ramps cast in panels	m3	1
7	Ring beams	m3	5
<u>Finishing top surfaces of concrete smooth with a wood float:</u>			
8	Surface beds, slabs, etc	m2	44
<u>TESTING</u>			
9	Concrete test cubes size 150 x 150 x 150mm overall including testing (Provisional).	No	12
<u>SMOOTH FORMWORK</u>			
<u>Formwork to Sides and Soffits:</u>			
10	Beams propped up not exceeding 3,5m high.	m2	50
<u>REINFORCEMENT</u>			
<u>High tensile steel reinforcement to structural concrete work:</u>			
11	10mm Diameter bars.	kg	800
<u>Fabric reinforcement:</u>			
12	REF. 193 fabric reinforcement in concrete surface beds, slabs, etc.	m2	44
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 2			
Concrete, Formwork and Reinforcement			

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 3</u>			
	<u>BILL NO. 3</u>			
	<u>MASONRY</u>			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Proprietary products in descriptions:</u>			
	Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.			
	<u>BRICKWORK IN FOUNDATIONS</u>			
	<u>(PROVISIONAL)</u>			
	<u>Brickwork of NFX bricks (14 MPa nominal compressive strength) in Class I mortar:</u>			
1	Half brick walls.	m2	12	
2	One brick walls.	m2	3	
3	One brick walls	m2	42	
	<u>BRICKWORK IN SUPERSTRUCTURE</u>			
	<u>Brickwork of NFP bricks (14 MPa nominal compressive strength) in Class II mortar:</u>			
4	Half brick walls.	m2	29	
5	Half brick walls in beamfilling	m2	6	
6	One brick walls.	m2	14	
7	270mm cavity walls	m2	120	
	Carried Forward			
	Section No. 2			
	Bill No. 3			
	Masonry			
			R	

Brought Forward			R
<u>BRICKWORK SUNDRIES</u>			
<u>Bagging and sealing the outer face of the inner skin of walls with 1:3 cement and sand mixture and seal with two coats "Brixeal" bitumen emulsion waterproofing coating:</u>			
8	To walls (Provisional).	m2	120
<u>Brickwork reinforcement:</u>			
9	75mm Wide reinforcement built in horizontally.	m	116
10	Ditto, but in foundations	m	93
11	150mm Wide reinforcement built in horizontally.	m	56
12	Ditto, but in foundations	m	30
13	230mm Wide reinforcement built in horizontally.	m	156
14	Ditto, but in foundations	m	312
<u>Galvanised hoop iron cramps, ties, etc</u>			
15	32 x 1,6 mm Hoop iron roof tie 1500 mm long with one end fixed to timber and other end built into six courses of brickwork	No	32
<u>Prestressed fabricated lintels:</u>			
16	110 x 75mm Lintels in lengths not exceeding 3m.	m	1
17	150 x 75mm Lintels in lengths not exceeding 3m.	m	15
<u>FACE BRICKWORK</u>			
<u>Firelight Travertine (FBX) facebricks pointed with square ruled recessed horizontal and vertical joints:</u>			
18	Extra over brickwork for face brickwork externally.	m2	100
19	Extra over brickwork for face brickwork in beamfilling.	m2	5
20	Ditto, but in foundations (Provisional).	m2	20
<u>Brick-on-edge header course copings, sills, etc with recessed joints on all exposed faces:</u>			
Carried Forward			R
Section No. 2 Bill No. 3 Masonry			

Brought Forward				R
<u>Note:</u>				
First and last bricks of sills to be solid.				
21	220mm Brick on edge sill bedded sloping and jointed in cement mortar and pointed on top, edge and projecting soffit including cutting and fitting between reveals and splay cutting brickwork under.	m	5	
<u>Brick-on-edge header course copings, sills, etc with recessed joints on all exposed faces:</u>				
22	220mm Wide roller course to top of foundation walls bedded and jointed in cement mortar and pointed on top and one side as described.	m	5	
<u>NUTEC-CEMENT OR OTHER APPROVED WINDOW SILLS</u>				
<u>Natural grey sills in single lengths bedded in class I mortar including metal fixing lugs, etc</u>				
23	15 x 150mm Wide sills set flat and slightly projecting	m	5	
Carried Forward to Summary of Section No. 2				R
Section No. 2				
Bill No. 3				
Masonry				

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 3</u>			
	<u>BILL NO. 4</u>			
	<u>WATERPROOFING</u>			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Proprietary products in descriptions:</u>			
	Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.			
	<u>DAMPPROOFING OF WALLS AND FLOORS</u>			
	<u>One layer of 375 micron embossed dampcourse waterproof sheeting below walls, sills, etc:</u>			
1	Below walls, sills, etc.	m2	16	
	<u>250Micron Embossed Dampproof Sheeting</u>			
2	Under concrete slabs.	m2	45	
	<u>JOINT SEALANTS ETC</u>			
	<u>Clear Neutral silicone sealant:</u>			
3	In joint sealing and pointing around sanitary fittings	m	20	
	Carried Forward to Summary of Section No. 2			
	Section No. 2		R	
	Bill No. 4			
	Waterproofing			

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Brought Forward			R
<u>0,58mm concealed fixed zincalume AZ150 with Colorplus to top side roof sheeting including fixing to timber purlins (elsewhere measured) at approximately 1000mm centres including all clips, etc, strictly in accordance with manufacturer's specification.</u>			
1	Roof covering with pitch not exceeding 50 degrees.	m2	68
<u>0,8mm Nominal thickness ditto, but flashings:</u>			
2	Ridge 462mm girth with minimum 230mm laps, fixed to roof sheeting (measured net).	m	4
3	Moulded narrow and broad rib polyethelene filler blocks	m	8
<u>ROOF INSULATION</u>			
<u>Sisalation 420 housing grade reinforced aluminium foil and polyethylene insulation:</u>			
4	Insulation laid taut over purlins (at maximum 1000mm centres) and fixed concurrent with roof covering, including galvanised steel straining wires.	m2	68
<u>RAINWATER DISPOSAL (PROVISIONAL):</u>			
<u>Pre-painted aluminium rainwater goods:</u>			
5	150 x 130 x 150mm High eaves gutter fixed to falls in continuous lengths at not exceeding 600mm centres with and including approved gutter brackets.	m	27
6	Extra over eaves gutter for stop end.	No	4
7	Extra over eaves gutter for outlet for 100 x 75mm pipe.	No	3
8	100 x 75mm Rainwater pipes fixed to walls with and including approved holderbats at 900mm centres.	m	9
9	Extra over rainwater pipe for shoe.	No	3
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 5			
Roof Coverings Etc.			

Item No	Quantity	Rate	Amount
<u>SECTION NO. 3</u>			
<u>BILL NO. 6</u>			
<u>CARPENTRY AND JOINERY</u>			
The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>Proprietary products in descriptions:</u>			
Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.			
<u>Prefabricated roof trusses:</u>			
Prices must include for all cross and windbracing according to the manufacturer's instruction.			
Prices must include for the design, plans and approval of all timber trusses and no claim shall be considered.			
Pre-fabricated timber roof trusses shall comply with the requirements of SABS Specification 0163 and be constructed of South African pine as described in clause 8.5 to the designs shown on the Manufacturer's detail drawings. The timber shall be of cross-sectional dimensions shown, cut to correct lengths with ends square or at the required angle.			
Trusses shall be assembled in truss fabricating jigs with the truss having the proper camber, all tightly clamped together with joints secured using approved connector plates of galvanised steel sheet. Connector plates shall be pressed into the timber simultaneously from both sides of the truss with a hydraulic press capable of exerting such pressure as will ensure complete penetration of the teeth into the timber.			
Carried Forward		R	
Section No. 2 Bill No. 6 Carpentry and Joinery			

Brought Forward

R

The connector plates shall be of such size as will ensure that the joints so made will adequately withstand the forces exerted on the joints.

In coastal areas connector plates in buildings without ceilings shall be painted with two coats of epoxy tar complying with SABS Specification 801 Type 2, or rust neutralising paint.

Approval of pre-fabricated roofing systems, whether measured as an alternative or not, shall be subject to the following requirements:

(a) The Manufacturer of the pre-fabricated trusses shall hold a certificate of competence issued by the Institute for Timber Construction.

(b) A polyester print, size A1 having a minimum thickness of 0,5mm, shall be submitted by the Contractor to the Structural Engineer at an early stage for approval by the Directorate: Structural Engineering Services.

(c) The drawings shall be signed by a Registered Professional Engineer whose name appears on the Departmental panel for structural work.

(d) In the case of systems buildings, approval shall be given with submission of the contract drawings on acceptance of the tender.

The following minimum information shall be shown on the drawings:

- (a) Details of the roof system with the position of the rafters and purlins indicated thereon as well as typical elevations.
- (b) Bracing as recommended by the Institute for Timber Construction.
- (c) Sizes and grading of the timber components.
- (d) Truss sizes, e.g. height of ridge or angle of pitch.
- (e) Plate sizes for every construction point. (Code numbers only are deemed insufficient).

Carried Forward

R

Section No. 2
Bill No. 6
Carpentry and Joinery

Brought Forward				R
(f)	Seperate connection details for hip, valley and jack rafters.			
(g)	Maximum spacing for purlins and brandering to ceilings shall be according to Subclauses 7.6.1 and 7.6.2 and Clauses 7.8, 7.9 and 9.5.			
(h)	The type of roof covering as well as the design load. Over and above the supervision undertaken by the Representative / Agent, the Truss Fabricator or his Design Engineer shall inspect the completed roof structure and issue a certificate of confirmation to the Department that: "The roof structure(s) has (have) been erected in accordance with the Design Engineer's drawings, as accepted by the Department, and the relevant details given in the manual "THE ERECTION AND BRACING OF TIMBER ROOF TRUSSES" issued by the National Timber Research Institute and the Institute for Timber Construction". <u>Joinery:</u> Descriptions of frames shall be deemed to include frames, transomes, mullions, rails, etc. Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes. <u>Fixing:</u> All nailing of timber roof trusses, purlins, etc shall be done with galvanised nails. In coastal areas, copper, aluminium or stainless steel nails shall be used. Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete. Where items are described as "bolted" the bolts have been measured elsewhere. <u>ROOFS ETC</u> <u>Sawn softwood:</u>			
1	38 x 114mm Wall plate.	m	25	
Carried Forward				R
Section No. 2 Bill No. 6 Carpentry and Joinery				

Brought Forward			R
<u>Wrought softwood:</u>			
2	50 x 76mm Purlins.	m	67
<u>Sundries:</u>			
3	MiTek® eCo hurricane clip fixed using Permfix nails or bolts through pre-drilled holes.	No	60
<u>PREFABRICATED ROOF TRUSSES, ETC.</u>			
<u>Prefabricated timber roof trusses shall be constructed of South African pine by a firm of specialist designer manufacturers. Trusses to be a maximum of 1200mm centres and are to support metal roof covering. Ceilings are either gypsum plasterboard or claddit (suspended or fixed). Prices must include for the design , plans and approval of all timber trusses and no claim shall be considered. An Engineers approval certificate is required once the roof truss installation is complete and is for the contractors account.</u> Note: Bidders are referred to the Architects roof plan drawings accompanying these bills of quantities for tender purposes. Specifications and calculations of prefabricated roof must be supplied by the contractor on award of the contract. Descriptions (prices) shall be deemed to include design.			
4	Mono pitch roof truss with 3410mm span between plates to 25degree pitch including a 600mm overhang on one side	No	12
5	Mono pitch roof truss with 3570mm span between plates to 25degree pitch including a 600mm overhang on one side	No	3
6	Allow for bracing, cross bracing, connecting clips, fixing brackets, hurricane clips, etc., as required for fixing in position of roof trusses as described in accordance with the manufacturer's instructions.	Item	
<u>EAVES, VERGES, ETC</u>			
Carried Forward			R
Section No. 2 Bill No. 6 Carpentry and Joinery			

Brought Forward			R
<u>Pressed fibre-cement:</u>			
7	15 x 225mm Fascia board three times drilled, and brass screwed to and including 38 x 50 x 114mm long S.A. Pine cleats twice brass screwed to rafter foot including galvanised steel H-profile jointing strips, screws, holes etc.	m	27
8	80 x 275 x 12mm Barge board drilled and brass screwed to purlin ends including galvanised steel H-profile jointing strips, screws, holes etc.	m	25
9	Eaves soffit covering of 6mm thick fibre cement ceiling sheets including 38 x 38mm sawn softwood banding along edges, along centre and at 400mm centres across sheets	m2	15
<u>DOORS ETC</u>			
<u>"Swartland PD1" or similar approved exterior door:</u>			
10	44mm Thick, single flush door, size 813 x 2,032mm high.	No	3
<u>"Swartland PR" or similar approved open back exterior door:</u>			
11	44mm Thick, double door with rebated meeting stiles, size 1674 x 2,032mm high.	No	3
<u>FRAMED FRAMES ETC</u>			
<u>Wrought meranti:</u>			
12	38 x 76mm "Swartland" or similar approved rebated and angle rounded door frames plugged.	m	33
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 6			
Carpentry and Joinery			

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 3</u>			
	<u>BILL NO. 7</u>			
	<u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u>			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Proprietary products in descriptions:</u>			
	Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.			
	<u>Descriptions:</u>			
	Items described as nailed shall be deemed to be fixed with hardened steel nails or pins or shot pinned to brickwork or concrete.			
	Items described as plugged shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres, and where described as bolted the bolts have been given.			
	<u>NAILED UP CEILINGS</u>			
	<u>6mm "Everite Nutec" fibre cement board with H-profile white pvc jointing strips:</u>			
1	Ceilings including 38 x 50mm sawn softwood bandering at 400mm centres with cross bandering at joints, ends of sheets and at light fittings, etc.	m2	44	
2	Extra over Fibre-cement ceiling for forming trap door size 630 x 630mm in clear formed with 38 x 50mm sawn S.A. pine framing covered with ceiling boarding and set in 38 x 76mm wrought S.A. pine rebated kerb, including trimmers.	No	2	
	Carried Forward			
	Section No. 2			
	Bill No. 7			
	Ceilings, Partitions and Access Flooring			
			R	

Brought Forward				R
<u>Rhino Gypsum plasterboard cornices</u>				
3	75 mm Coved cornices	m	59	
<u>Non-combustible polyester thermal insulation of a density of not less than 10kg/m3:</u>				
4	135mm Insulation in blanket form closely fitted and laid on top of branderling between roof timbers etc.	m2	44	
Carried Forward to Summary of Section No. 2				R
Section No. 2				
Bill No. 7				
Ceilings, Partitions and Access Flooring				

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 3</u> <u>BILL NO. 8</u> <u>IRONMONGERY</u> The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities. <u>SUPPLEMENTARY PREAMBLES</u> <u>Proprietary products in descriptions:</u> Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent: <u>Finishes to ironmongery:</u> Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list BS Satin bronze lacquered CP Chromium plated SC Satin chromium plated SE Silver enamelled GE Grey enamelled AS Anodised silver AB Anodised bronze AG Anodised gold ABL Anodised black PB Polished brass PL Polished and lacquered PT Epoxy coated SD Sanded Fixing: Descriptions of wall mounted and floor standing ironmongery items shall be deemed to include for fixing in position and all fixing accessories Descriptions of proprietary items shall be deemed to include fixing in position and all fixing accessories Ironmongery to be Union or similar approved <u>HINGES, BOLTS, ETC</u> <u>"Union" or similar approved</u>			
1	100 x 75mm heavy duty nylon washered brass butt hinges.	No	21	
	Carried Forward			
	Section No. 2 Bill No. 8 Ironmongery		R	

Brought Forward			R
2	150 x 20mm flush bolts	No	3
3	Bathroom indicator bolt (Code: CZ80941SCR)	No	1
<u>LOCKS</u>			
<u>"Union" or similar approved</u>			
4	Four lever approved mortice lockset (Union 2277-78) complete with approved chromium plated handles.	No	4
<u>SUNDRIES</u>			
5	32mm Diameter black rubber door stop plugged to concrete floor.	No	8
<u>BATHROOM FITTINGS</u>			
<u>Bathroom fittings etc.:</u>			
6	Stainless steel toilet roll holder Code:TR2 or similar approved, plugged/ screwed to wall complete.	No	1
<u>STEEL LOCKERS</u>			
<u>Steel lockers, etc</u>			
7	4 tier steel locker, size 300 x 450 x 1800mm high	No	4
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 8			
Ironmongery			

Brought Forward			R
<u>"NUKLIP TE NKCAFE" or similar approved powder coated aluminium windows, factory glazed with 6.38mm laminated safety glass with clip-on glazing beads, with neoprene seals and fixed with minimum three lugs per side in accordance with manufacturers instructions:</u>			
2	Window, size 950 x 1030mm glazed with 6.38mm laminated safety glass.	No	3
3	Window, size 950 x 1030mm glazed with 6.38mm laminated safety glass at bottom panel and aluminium louvres with mesh in the top panel	No	2
<u>STAINLESS STEEL TABLES</u>			
<u>Grade 304 (18/10) stainless steel</u>			
4	Stainless steel table model, size 1500mm long x 650 deep x 910mm high with a 150mm splash back.	No	1
5	Stainless steel table model, size 2250mm long x 650 deep x 910mm high with a 150mm splash back.	No	1
<u>WASTE BINS</u>			
<u>Waste bins, etc</u>			
6	240LT wheelie garbage bin	No	8
<u>ALUMINIUM LOUVRE UNITS</u>			
<u>Powder coated aluminium louvre units</u>			
7	Louvre unit 450 x 265mm high fixed to the external face of brickwork as per the manufacturer's instructions	No	3
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 9			
Metalwork			

Item No	Quantity	Rate	Amount
<u>SECTION NO. 3</u>			
<u>BILL NO. 10</u>			
<u>PLASTERING</u>			
The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>Proprietary products in descriptions:</u>			
Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.			
<u>SCREEDS</u>			
<u>3:1 Cement plaster screeds steel trowelled on concrete:</u>			
1	25mm thick on floors. m2	44	
<u>Prepare and clean surface and apply 3-5mm "ABE" or similar approved self-levelling screed, in strict accordance with manufacturer's instructions, to form an even surface to receive vinyl sheeting (elsewhere measured):</u>			
2	On new screeded floors (Provisional). m2	25	
<u>INTERNAL PLASTER</u>			
<u>Cement plaster on brick walls:</u>			
3	On walls. m2	158	
4	On narrow widths. m2	3	
<u>EXTERNAL PLASTER</u>			
Carried Forward			R
Section No. 2 Bill No. 10 Plastering			

Brought Forward				R
<u>Cement plaster on brickwork</u>				
5	On walls	m2	20	
Carried Forward to Summary of Section No. 2				R
Section No. 2				
Bill No. 10				
Plastering				

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 3</u>			
	<u>BILL NO. 11</u>			
	<u>TILING</u>			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities. Any reference to trade names in the Bills of Quantities or Architect's specification or drawings shall deem to mean "or similar and approved"			
	<u>DETAIL DESCRIPTION AND SPECIFICATION</u>			
	Note: It is the responsibility of the specialist tiler to study the drawings and design and to allow for the design and execution of special fixing accessories, expansion joints, etc			
	<u>GENERAL PREAMBLES</u>			
	Samples - With reference to all items and colour schemes: Samples off all items is to be presented for approval prior to any bulk orders. Please take note that most items will have at least six week delivery period, these approvals will only take place at dates off site meetings, the samples need to be approved well in advance to avoid any delays with lead time on orders. All samples must remain in the sample room for the duration of the contract.			
	<u>WALL TILING</u>			
	<u>200 x 200mm white glazed ceramic tiles fixed with approved adhesive and anti-bacteria grouting laid as per the manufacturer's specifications</u>			
1	On smooth plastered walls.	m2	11	
	<u>48 x 48 x 4mm mosaic tiles in 300 x 300mm sheets, on TAL mosaic fix and grout</u>			
2	On walls	m2	1	
	Carried Forward			
	Section No. 2			
	Bill No. 11			
	Tiling			
			R	

Brought Forward

R

FLOOR TILING

300 x 300 "Johnson KER 506" or equally approved tiles with 3mm joints fixed to walls with approved tile adhesive to plastered walls and waterproof tile grouting to joints

3	On floors	m2	16
4	Cut skirting 100mm high	m	21

Carried Forward to Summary of Section No. 2

R

Section No. 2
Bill No. 11
Tiling

Item No	Quantity	Rate	Amount
<u>SECTION NO. 3</u>			
<u>BILL NO. 12</u>			
<u>PLUMBING AND DRAINAGE</u>			
<u>(PROVISIONAL)</u>			
The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>Proprietary products in descriptions:</u>			
Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.			
<u>PREAMBLES</u>			
The Tenderer is referred to the relevant Clauses in the Model Preambles for Trades (1999 Edition), the Department of Public Works document No. PW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.			
<u>Copper pipes</u>			
Pipes shall be hard drawn and half-hard pipes of the class stated. Class O (thin walled hard drawn) pipes shall not be bent. Class 1 (thin walled half-hard), class 2 (half-hard) and class 3 (heavy walled half-hard) pipes shall only be bent with benders with inner and outer formers. Fittings to copper waste, vent and anti-syphon pipes, capillary solder fittings and compression fittings shall be "Cobra Watertech" type. Capillary solder fittings shall comply with ISO 2016. Only compression fittings shall be used in walls or in ground			
Carried Forward			R
Section No. 2 Bill No. 12 Plumbing and Drainage			

Brought Forward

R

Reducing fittings

Where fittings have reducing ends or branches they are described as "reducing". In the case of pipes with diameters not exceeding 60 mm only the largest end or branch size is given. Should the contractor wish to use other fittings and bushes or reducers he may do so on the understanding that no claim in this regard will be entertained. In the case of pipes with diameters exceeding 60 mm all sizes are given and no claim for extra bushes, reducers, etc will be entertained

Exposed concrete surfaces

Exposed surfaces of concrete stormwater channels, cover slabs, inspection eye marker slabs, gulley tops, cleaning eye tops, catchpits, inspection chambers, etc shall be finished smooth with plaster

Excavations

No claim for rock excavation will be entertained unless the contractor has timeously notified the quantity surveyor thereof prior to backfilling

"Soft rock" and "hard rock" shall be as defined in "Earthworks"

Laying, backfilling, bedding, etc of pipes

Pipes shall be laid and bedded and trenches shall be carefully backfilled in accordance with manufacturers' instructions

Carried Forward

R

Section No. 2
Bill No. 12
Plumbing and Drainage

Brought Forward			R
Where no manufacturers' instructions exist pipes shall be laid in accordance with clauses 5.1 and 5.2 of each of the following: SABS 1200 L : Medium-pressure pipelines SABS 1200 LD : Sewers SABS 1200 LE : Stormwater drainage Pipe trenches etc shall be backfilled in accordance with clauses 3, 5.5, 5.6, 5.7 and 7 of SABS 1200 DB : Earthworks (Pipe trenches) Pipes shall be bedded in accordance with clauses 3.1 to 3.4.1, 5.1 to 5.3 and 7 of SABS 1200 LB : Bedding (Pipes) Unless otherwise described bedding of rigid pipes shall be class B bedding <u>Flush pans</u> Flush pans shall have straight or side outlets and "P" or "S" traps as necessary <u>Stainless steel basins, sinks, wash troughs, urinals, etc</u> <u>Where sanitary fittings are fixed to walls, silicone finish between fitting and wall</u> Units shall have standard aprons on all exposed edges and tiling keys against walls where applicable <u>Waste unions</u> Descriptions of waste unions shall be deemed to include rubber or vulcanite plugs and chains fixed to fittings unless otherwise stated <u>SOIL DRAINAGE</u> <u>uPVC Soil pipes (SABS 791-1986):</u>			
1	40mm Pipe and fixing to walls, falls, in concrete, etc.	m	10
2	110mm Pipes vertically or ramped to cleaning eyes etc in and including trenches not exceeding 1000mm deep.	m	5
Carried Forward			R
Section No. 2 Bill No. 12 Plumbing and Drainage			

Brought Forward			R
3	110mm Pipes laid in ground not exceeding 1000mm deep including all excavations in earth, bedding cradle and blanket fill of selected granular material, main fill compacting in layers not exceeding 150mm thick, adjust moisture content to optimum and compact to a density of 90% Modified AASHTO in drain trenches including carting off surplus displaced material.	m	50
<u>Extra over uPVC pipes for fittings:</u>			
4	40 mm Adaptor	No	5
5	40 mm Bend	No	4
6	40 mm Access bend	No	2
7	110mm Access bend.	No	10
8	110 mm "GI two-way" vent valve	No	2
<u>SANITARY FITTINGS</u>			
<u>Grade 304 (18/10) stainless steel</u>			
9	Model ET101, 540 x 440mm single compartment laundry trough	No	2
10	Model CH 540 x 545 mm slop hopper unit with grid with 13 litre high level stainless steel cistern and flush pipe	No	1
<u>"Vaal" or similar approved</u>			
11	"Hibiscus" white vitreous china wash hand basin colour white(Code: 7008033), size 510 x 400mm with three semi-punched taphole including fixing bolts (VAA-8448Z0), intergrated overflow and chainstay	No	2
12	"Orchid " white vitreous china closed coupled W.C. suite colour white 90 degree wall hung open rim pan (Code: 439016), fixing brackets (Code: 8084Z0), lid (Code: 8531Z0) and Hibiscus Elite Duct concealed 6 Litre duct cistern (Code: 7116DP)	No	1
<u>WASTE UNIONS, ETC</u>			
<u>"Cobra Watertech" or similar approved</u>			
13	32mm 303 CP basin waste plug	No	2
Carried Forward			R
Section No. 2 Bill No. 12 Plumbing and Drainage			

Brought Forward			R
14	90mm waste fitting	No	1
15	"Franke Spazi F/2" or similar approved single bowl plumbing kit	No	1
16	"Franke Spazi F/2" or similar approved double bowl plumbing kit	No	1
17	"Franke" or similar approved 90mm basket strainer waste plug	No	3
<u>TRAPS, ETC</u>			
<u>"Cobra Watertech" or similar approved</u>			
18	32 mm 345 CP bottle trap	No	2
19	40 mm VA 2.341 shower "P" trap	No	1
<u>TAPS, VALVES, ETC</u>			
<u>"Cobra Watertech" or similar approved</u>			
20	15mm 1003/125 RB fullway gate valve	No	4
21	22 mm 1003/125 RB fullway gate valve	No	4
22	832/350F angle stop valve and 350mm braided flexi hose.	No	5
23	15mm LO-296 CP sink mixer	No	2
24	15 mm 111-15 Star Pillar tap	No	4
25	15mm "Cobra CXC" or similar approved stop tap (Code: 238N)	No	2
26	15 x 150mm shower arm	No	1
27	15 standard ball joint shower head	No	1
28	PB 1.10 RB vacuum breaker	No	1
29	20 mm PA 3.132 "Masterflo 1" pressure reducing valve	No	1
<u>WATER SUPPLIES</u>			
Carried Forward			R
Section No. 2 Bill No. 12 Plumbing and Drainage			

Brought Forward			R
<u>Class 2 copper pipes</u>			
30	15 mm Pipe and fixing to walls, floors, in roofs, soffit of concrete slab in concrete, etc.	m	35
31	Ditto, but 22mm pipe	m	35
<u>Extra over class 2 copper pipes for capillary fittings to DIN2856, ISO2016 and BS 864</u>			
32	15mm Fittings	No	25
33	22mm Fittings	No	25
<u>ELECTRIC WATER HEATERS</u>			
<u>Electric water heaters:</u>			
34	100 litre 'Kwikot 600 Dual' or similar approved hot water heater with three kilowatt element, draincock and safety valve and fix on geyser tray (elsewhere measured) in roof space and joints to three 22mm copper pipes including connectors. (Electrical connection by Electrician).	No	1
35	'Kwikot' or similar approved polyethylene geyser tray to suit 50 litre horizontal geyser in roof space with socketed connection for overflow pipe.	No	1
<u>TESTING</u>			
36	Allow for testing all drains, sanitary plumbing and water supplies to the satisfaction of the Architect and to Municipal requirements. All defective work is to be taken out and replaced at the Contractor's expense.	Item	
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 12			
Plumbing and Drainage			

Brought Forward			R
	<u>Prepare surfaces, apply one coat merit plaster primer and two coats plascon double velvet paint according to manufacturers specification.</u>		
3	Interior walls.	m2	161
	<u>Prepare surfaces, apply one coat merit plaster primer (PP700) and two coats Wall and All paint according to manufacturers specification.</u>		
4	Exterior walls.	m2	35
	<u>ON WOOD</u>		
	<u>Prepare surfaces, apply one coat merit plaster primer (PP800) and two coats water based velvagio satin paint according to manufacturers specification.</u>		
5	Doors (all surfaces measured).	m2	29
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 13			
Paintwork			

[illegible]

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 4</u>			
	<u>BILL NO. 1</u>			
	<u>OCCUPATIONAL HEALTH AND SAFETY</u>			
	<u>Occupational Health & Safety, incl. HBA</u>			
	Preparation of the Contractor's site-specific Health and Safety Plan & Risk Assessment Health and Safety File in Hard Copy. (Include sub-contractors OHS File compliance)			
		Item		
	<u>Provision of Personal Protective Equipment (PPE)</u>			
	<u>Note: Tenderer to provide quantity for full competent of staff for contract period</u>			
1	Overalls with reflective strips including the contractor's logo and proof of induction	Item		
	Hard Hats (High Density polyethylene, & 6-point lining)	Item		
	Safety boot / shoes (Steel - toe)	Item		
	Ear Plugs / Muffs	Item		
	Dust Masks (at least FF2 type)	Item		
	Safety gloves	Item		
	Ear Defenders SABS approved	Item		
	Reflective vest for Visitor and Supervisors	Item		
	<u>Competent Personnel</u>			
	Competent scaffolding supervisor, erectors. Etc	Item		
	Carried Forward		R	
	Section No. 3 Bill No. 1 Health and Safety			

Brought Forward		R
Competent Formwork Supervisors and erectors	Item	
Competent Fall Protection Plan Developer	Item	
Work at heights training for all employees working at heights	Item	
<u>Cost of medical certificates and medical surveillance per employee</u>		
<u>Note: Tenderer to provide quantity for full component of staff for contract period</u>		
Initial (baseline) medical examinations	Item	
Provision of First Aid Boxes to GSR requirements	Item	
Working At heights medicals	Item	
2 Working at heights fall arrest equipment	Item	
Fire and emergency prevention signage	Item	
3 Vaccination (sewer works)	Item	
<u>Adhoc: Any OHS & HBA related requirements not listed above</u>		
Printer, Paper and Ink, consumables, soap	Item	
Waste bins	Item	
Close out H& S files scanned electronically with original files to CHSA.	Item	
<u>SUMMARY OF CATEGORIES</u>		
Category: Fixed	R	
Category: Value	R	
Category: Time	R	
Carried to Final Summary		R
Section No. 3		
Bill No. 1		
Health and Safety		

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 5</u>			
	<u>BILL NO. 1</u>			
	<u>PROVISIONAL AMOUNTS & BUDGETARY ALLOWANCES</u>			
	<u>ELECTRICAL INSTALLATION</u>			
1	Provide a sum of R 130 000.00 (One Hundred and Thirty Thousand Rands) for Electrical Installation.	Item		130 000,00
2	Allow for profit.	Item		
3	Allow for attendance.	Item		
	<u>MECHANICAL INSTALLATION</u>			
4	Provide a sum of R 80 000.00 (Eighty Thousand Rands) for servicing air conditioners and leave in working order.	Item		80 000,00
5	Allow for profit.	Item		
6	Allow for attendance.	Item		
	<u>REMOVAL OF FURNITURE AND EQUIPMENT</u>			
7	Provide an amount of R60 000 (Sixty Thousand rands) for contractor to assist in moving of furniture and equipment during construction	Item		60 000,00
8	Allow for profit.	Item		
9	Allow for attendance.	Item		
	<u>BLINDS</u>			
10	Provide the amount of R 60 000.00 (Sixty Thousand Rands) for supply and installation of blinds.	Item		
11	Allow for profit.	Item		
12	Allow for attendance.	Item		
	Carried Forward		R	
	Section No. 4			
	Bill No. 1			
	Provisional Sums			

Brought Forward

COMMUNITY LIASON OFFICER

13 Provide the sum of R75 000.00 (Seventy Five Thousand Rands) for the placement of a community liaison officer to be employed by the main contractor (R5 000.00 per month for the duration of the contract)

Item

75 000,00

14 Allow for attendance.

Item

Carried to Final Summary

Section No. 4
Bill No. 1
Provisional Sums

R

FINAL SUMMARY		Page No	Amount
1	SECTION NO 2: MAIN BUILDING	274	
2	SECTION NO 3: SERVICES BUILDING	310	
3	SECTION NO 4: HEALTH AND SAFETY	312	
4	SECTION NO 5: PROVISIONAL SUMS	314	
Sub-Total Carried to Grand Final Summary			R

VENTERSTAD CLINIC

Rate

Amount

BILL NO. 1

ALTERATIONS (PROVISIONAL)

SUPPLEMENTARY PREAMBLES

Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.

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

Prices

Prices are to include for carting away from site all materials not specifically mentioned as being stored on site for re-use or handed over to the school and all rubbish, debris, etc. arising from the alterations, etc. and for making good all work damaged or disturbed to the approval of the Principal Agent.

Carried Forward

R

Section No. 1
Bill No. 1
Alterations (Provisional)

Brought Forward

R

Tenderers are advised to visit the site and to inspect the works in conjunction with the drawings in order to ascertain the exact nature and extent of the work to be done. The work is to be carried out in sections in accordance with the Architect's instructions in such a manner as to cause the minimum of nuisance and delay and the various sections are to be handed over for occupation as soon as they are completed and Tenderers must allow accordingly for this in their pricing.

The Contractor will be held solely responsible for checking all floor levels and dimensions in the existing building in order that the new extensions may be correctly lined up. Should any discrepancies be found in the Architect's drawings he should be asked for a decision before continuing with the work.

The Contractor will be held solely responsible for any damage to persons and property, for the safety of the new and existing structure throughout the whole of the contract and must make good at his own expense any damage that may occur.

Old materials described as "carefully take out, set aside for re-use and later refix in new position" are to be carefully removed, stored and protected from injury, made good as required and if broken or damaged through taking out, removing, storage, etc, are to be replaced by the Contractor at his own expense. Tenderers are advised to inspect these materials to ascertain their condition and allow accordingly for this in their pricing.

Allow for giving notice to local or other authorities for disconnecting electric light, water and drainage mains and removing telephone wires, etc, and pay all fees in connection therewith and afford every facility to the workmen carrying out this work.

All materials in this section are measured as new except where old material is specifically mentioned as being re-used.

When pricing, Tenderers are to allow as follows:

Carried Forward

R

Section No. 1
Bill No. 1
Alterations (Provisional)

Brought Forward Where door and window openings, etc, are specified to be filled in, or where jambs, cills, etc are specified to be built up, brickwork shall be of hard burnt clay stock bricks in 5.1 cement mortar unless otherwise specified, cut, toothed and bonded into existing brickwork and pinned up as required with slates or other hard materials. Brickwork built to fair face or in facings is to be of bricks and pointed to match existing. Plaster is to be 5.1 cement plaster unless otherwise specified. Where lintels are specified as reinforced concrete the prices are to include for breaking out brickwork over for and inserting cement concrete (20MPa) lintel with 230mm bearing on each end and 254mm deep and reinforced with and including one 12mm diameter mild steel rod for each half brick thickness of wall and including formwork. The steel rods are to be hooked at ends and embedded 25mm up from bottom of lintels. Lintels exceeding 1370mm span to be similarly reinforced but with 20mm diameter mild steel rods. Where lintels are specified as precast concrete the prices are to include for breaking out brickwork over for and inserting precast prestressed cement concrete (30MPa) lintel with 230mm bearing on each end size 108 x 75mm deep for each half brick thickness of wall. The term "take out" includes all work taken out, taken up, taken down, taken off, etc ; the term "break up" includes all work broken up, broken down, broken off, etc and the term "hack off" includes all work hacked off, hacked up, hacked down, etc. The term "make good" is to include all labour and material required to match existing work. The terms "take out and remove door", "take out and remove window", "carefully take out, set aside for re-use and later refix window in new position", etc are to include all materials connected with such door or window such as doors, windows, fanlights, frames, ironmongery, glass, architraves, beads, fillets, cramps, dowels, etc.		R	
Carried Forward Section No. 1 Bill No. 1 Alterations (Provisional)		R	

Brought Forward			R
The terms "take out and remove sink unit", "take out and remove lavatory basin", "carefully take out, set aside for re-use and later refix W.C. suite in new position", etc are to include all materials connected with such sanitary fittings such as brackets, cisterns, taps, traps, flushing valves, flush pipes, etc and are to include for the cutting back and stopping off of supply and waste pipes. ----- ----- <u>REMOVAL OF EXISTING WORK</u> <u>Taking out and removing doors, windows, etc from brickwork to be demolished</u>			
1	Timber single door not exceeding 2,5m2	No	16
<u>Hacking up/off and remove ceramic tiles, scabble, grind floor to a smooth finish for new screeds, etc</u>			
2	Ceramic tiles from floors	m2	22
<u>Make good existing roof sheeting</u>			
3	Check existing roof sheeting and ridge, fit approved roofing screws with metal washers and waterproof seals where roof screws are missing, remove loose screws, fill holes in purlins with approved wood filler and fit new screws and apply approved sealant where necessary to ensure there are no roof leaks	m2	130
<u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc</u>			
4	Roof sheeting and purlins and cart away from site to a dumping site located by the contractor	m2	290
5	Eaves soffit ceiling	m2	41
6	Gypsum ceiling boards including brandering and cornices	m2	5
7	Fascia and barge boards	m	69
8	Gutters and downpipes	m	69
Carried Forward			R
Section No. 1 Bill No. 1 Alterations (Provisional)			

Brought Forward			R
<u>Take out and remove</u>			
9	Glass and prepare rebates of steel window to receive new glass	m2	3
<u>Carefully take out and remove piping, sanitary fittings, etc</u>			
10	Carefully remove vitreous china wash hand basin, traps, taps, etc and set aside for re-use	No	2
<u>Take out and remove</u>			
11	Take out and remove pillar taps	No	4
<u>MAKING GOOD OF FINISHES ETC</u>			
<u>Making good internal and external cement plaster</u>			
12	Hack off plaster around all large cracks at least 150mm on either side of crack, fill up crack with stiff 3:1 cement grouting solidly caulked in and add chicken mesh and replaster with 4:1 cement plaster, finished off smooth and even surface and on the same plane as the existing plaster, properly concealed.	m	95
<u>Cleaning of carpets</u>			
13	Vaccum clean carpets, wet clean carpets with suitable shampoo, rinse and dry using fans.	m2	40
Carried Forward to Summary of Section No. 1			R
Section No. 1			
Bill No. 1			
Alterations (Provisional)			

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 2</u>			
	<u>EARTHWORKS (PROVISIONAL)</u>			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Proprietary products in descriptions:</u>			
	Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.			
	<u>Nature of material to be excavated:</u>			
	The material to be excavated is assumed to be predominantly of a composition that will allow excavation in "earth" as specified, but including a percentage of excavation in "soft rock" and "hard rock".			
	<u>Carting away of excavated material:</u>			
	Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations, or alternatively, from stock piles situated on the building site.			
	<u>Dewatering of excavations:</u>			
	The Contractor shall allow for removing seepage and other water from subterranean sources from the excavations by pumping, baling or otherwise. Accurate records of all such dewatering shall be kept to determine the total volume of water so removed and a clear distinction shall be made between water from subterranean sources and other water			
	Carried Forward		R	
	Section No. 1 Bill No. 2 Earthworks			

Brought Forward			R
<u>Density testing on filling:</u>			
Rates for filling, etc. shall include for all density and soil type testing to prove that the specified compaction is achieved. When additional testing is done on instruction of the Principal Agent and these tests are successful, they will be paid for additionally.			
<u>Imported fill:</u>			
"Filling and bedding to trenches etc. to be in compliance with SABS 1200 DB and LB respectively"			
<u>EXCAVATION, FILLING, ETC</u>			
<u>Excavations, Filling, Etc.</u>			
1	Excavate in earth for surface trenches not exceeding 2000mm deep.	m3	4
2	Extra over all excavations for carting away surplus excavated material.	m3	4
3	Allow for risk of collapse to sides of trench and base excavations not exceeding 1500mm deep.	m2	14
4	G5 filling, selected and supplied by the Contractor, deposited in layers not exceeding 150mm thick, watered and consolidated to 98% mod AASHTO density under floors, etc.	m3	2
5	Rip, scarify, mix and consolidate top 150mm of sub grade to 95% mod AASHTO density.	m2	8
<u>Prescribed density tests on filling:</u>			
6	Allow for compaction tests by an approved laboratory to determine density of filling material.	No	2
Carried Forward to Summary of Section No. 1			R
Section No. 1			
Bill No. 2			
Earthworks			

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 3</u>			
	<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities. <u>SUPPLEMENTARY PREAMBLES</u> <u>Proprietary products in descriptions:</u> Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent. <u>Cost of tests:</u> The costs of making, storing and testing of concrete test cubes as required under clause 7 'Tests' of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the Architect. The testing shall be undertaken by an independent firm or institution nominated by the Contractor to the approval of the Architect. (Test cubes are measured separately). <u>Formwork:</u> Descriptions of formwork shall be deemed to include use and waste only (except where described as left in or permanent), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use. The vertical strutting shall be carried down to such construction as is sufficiently strong to afford the required support without damage and shall remain in position until the newly constructed work is able to support itself.			
	Carried Forward		R	
	Section No. 1 Bill No. 3 Concrete, Formwork and Reinforcement			

Brought Forward			R
Formwork to soffits of solid slabs etc., shall be deemed to be to slabs not exceeding 250mm thick unless otherwise described.			
Formwork to sides of bases, pile caps, ground beams, etc., will only be measured where it is prescribed by the Engineer for design reasons. Formwork necessitated by irregularity or collapse of excavated faces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavations, provision for which is made in Earthworks.			
<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>			
<u>VIBRATED REINFORCED CONCRETE</u>			
<u>30 MPa/19 mm concrete</u>			
1	Steps and ramps	m3	1
<u>Finishing top surfaces of concrete smooth with a wood float:</u>			
2	Surface beds, slabs, etc	m2	8
<u>TESTING</u>			
3	Concrete test cubes size 150 x 150 x 150mm overall including testing (Provisional).	No	3
<u>REINFORCEMENT</u>			
<u>Fabric reinforcement:</u>			
4	REF. 193 fabric reinforcement in concrete surface beds, slabs, etc.	m2	8
Carried Forward to Summary of Section No. 1			R
Section No. 1			
Bill No. 3			
Concrete, Formwork and Reinforcement			

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 4</u>			
	<u>MASONRY</u>			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Proprietary products in descriptions:</u>			
	Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.			
	<u>BRICKWORK IN SUPERSTRUCTURE</u>			
	<u>Brickwork of NFX bricks (14 MPa nominal compressive strength) in Class II mortar:</u>			
1	One brick walls.	m2	8	
	<u>BRICKWORK SUNDRIES</u>			
	<u>Brickwork reinforcement:</u>			
2	150mm Wide reinforcement built in horizontally.	m	80	
	Carried Forward to Summary of Section No. 1			
	Section No. 1			
	Bill No. 4			
	Masonry			
			R	

Rate

Amount

BILL NO. 5

ROOF COVERINGS ETC.

The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.

SUPPLEMENTARY PREAMBLES

Proprietary products in descriptions:

Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.

Fixing:

Fixing shall be done according to SABS 1200HB with minimum 225mm end laps.

Guarantee:

The contractor will be required to provide a written guarantee, stating that :1. The roof sheeting is of the specified thickness.2. The client is indemnified against any defects, including colour deterioration for a minimum period of 15 years.

Pricing:

Prices for roof covering and cladding are to include for all necessary drive screws, hook bolts, sheet bolts, nuts, washers, etc., for drilling holes for screws and bolts including removing all swarf from the sheeting and all right angle cutting and waste (Measured net).

RIBBED SHEETING AND ACCESSORIES

Carried Forward

R

Section No. 1
Bill No. 5
Roof Coverings Etc.

Brought Forward			R
	<u>0,58mm concealed fixed zincalume AZ150 with Colorplus to top side roof sheeting including fixing to timber purlins (elsewhere measured) at approximately 1000mm centres including all clips, etc, strictly in accordance with manufacturer's specification.</u>		
1	Roof covering with pitch not exceeding 50 degrees.	m2	292
	<u>ROOF INSULATION</u>		
	<u>Sisalation 420 housing grade reinforced aluminium foil and polyethylene insulation:</u>		
2	Insulation laid taut over purlins (at maximum 1000mm centres) and fixed concurrent with roof covering, including galvanised steel straining wires.	m2	280
	<u>RAINWATER DISPOSAL (PROVISIONAL):</u>		
	<u>Pre-painted aluminium rainwater goods:</u>		
3	150 x 130 x 150mm High eaves gutter fixed to falls in continuous lengths at not exceeding 600mm centres with and including approved gutter brackets.	m	117
4	Extra over eaves gutter for angle.	No	8
5	Extra over eaves gutter for outlet for 100 x 75mm pipe.	No	6
6	100 x 75mm Rainwater pipes fixed to walls with and including approved holderbats at 900mm centres.	m	18
Carried Forward to Summary of Section No. 1			R
Section No. 1			
Bill No. 5			
Roof Coverings Etc.			

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 6</u>			
	<u>CARPENTRY AND JOINERY</u>			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Proprietary products in descriptions:</u>			
	Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.			
	<u>ROOFS ETC</u>			
	<u>Sawn softwood:</u>			
1	50 x 76mm Purlins.	m	292	
	<u>Sundries:</u>			
2	Hurricane clip fixed using permfix nails or bolts through pre-drilled holes.	No	196	
	<u>EAVES, VERGES, ETC</u>			
	<u>Pressed fibre-cement:</u>			
3	15 x 225mm Fascia board three times drilled, and brass screwed to and including 38 x 50 x 114mm long S.A. Pine cleats twice brass screwed to rafter foot including galvanised steel H-profile jointing strips, screws, holes etc.	m	69	
4	Eaves soffit covering of 6mm thick fibre cement ceiling sheets including 38 x 38mm sawn softwood brandering along edges, along centre and at 400mm centres across sheets	m2	41	
	Carried Forward			
	Section No. 1 Bill No. 6 Carpentry and Joinery		R	

Brought Forward			R
<u>DOORS ETC</u>			
<u>Semi-solid flush doors with 3,2 mm standard hardboard covering on both sides hung to steel frames</u>			
5	40 mm Door 813 x 2032 mm high	No	15
<u>Wrought hardwood doors:</u>			
6	44 mm Framed batten door 813 x 2032 mm high of 44 x 146 mm top rail and stiles, 22 x 146 mm middle ledge and braces and 22 x 222 mm bottom rail filled in with 22 mm V-jointed one side boarding and covered on other side with 3 mm plywood with veneer to match door let into and including rebates all round	No	2
<u>BEADS, ARCHITRAVES, ETC</u>			
<u>Wrought meranti:</u>			
7	70 x 108mm Rebated and angle rounded door frames plugged.	m	10
<u>Sundries:</u>			
8	38 x 76 mm Chamfered and grooved weatherboard fixed in and including groove or rebate in underside of door.	m	4
<u>JOINERY FITTINGS</u>			
<u>Cupboards</u>			
9	Allow the sum of R 30 000.00 for replacing missing cupboard doors, handles, locks, replacement of damaged panels, etc	Item	
Carried Forward to Summary of Section No. 1			R
Section No. 1			
Bill No. 6			
Carpentry and Joinery			

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 7</u>			
	<u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u>			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Proprietary products in descriptions:</u>			
	Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.			
	<u>Descriptions:</u>			
	Items described as nailed shall be deemed to be fixed with hardened steel nails or pins or shot pinned to brickwork or concrete.			
	Items described as plugged shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres, and where described as bolted the bolts have been given.			
	<u>NAILED UP CEILINGS</u>			
	<u>4mm fibre cement board with H-profile white pvc jointing strips:</u>			
1	Ceilings including 38 x 50mm sawn softwood bandering at 400mm centres with cross bandering at joints, ends of sheets and at light fittings, etc.	m2	13	
	Carried Forward		R	
	Section No. 1			
	Bill No. 7			
	Ceilings, Partitions and Access Flooring			

Brought Forward			R
<u>6,4mm gypsum plasterboard with pvc h profile jointing strips over joints:</u>			
2	Ceilings including 38 x 50mm sawn softwood branderling at 400mm centres with cross branderling at joints, ends of sheets and at light fittings, etc.	m2	15
<u>Rhino Gypsum plasterboard cornices</u>			
3	75 mm Coved cornices	m	25
Carried Forward to Summary of Section No. 1			R
Section No. 1			
Bill No. 7			
Ceilings, Partitions and Access Flooring			

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 8</u>			
	<u>FLOOR COVERINGS, WALL LININGS, ETC</u>			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Proprietary products in descriptions:</u> Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent. <u>Cleaning:</u> Rates for floor covering shall include for proper cleaning on completion.			
	<u>VINYL FLOOR COVERINGS, WALL LININGS, ETC.</u>			
	<u>2mm heavy duty fully flexible homogeneous non directional 2000mm wide vinyl floor sheeting with welded joints, laid in approved pressure sensitive adhesive in strict accordance with the manufacturer's specification</u>			
1	On smooth screeded floors.	m2	22	
	<u>POLISH, SEALERS, ETC</u>			
	<u>Clean by stripping and sealing and apply three coats water based copolymer emulsion or other approved sealer:</u>			
2	On vinyl flooring.	m2	22	
	Carried Forward to Summary of Section No. 1			R
	Section No. 1			
	Bill No. 8			
	Floor Coverings, Wall Linings, Etc.			

Brought Forward			R
<u>LOCKS</u>			
<u>"Union" or similar approved</u>			
3	Gower CZ682-24CH/2252-76SS Three lever mortice lockset complete with approved chromium plated handles.	No 14	
<u>Sundries:</u>			
4	32mm Diameter black rubber door stop plugged to concrete floor.	No 25	
<u>BATHROOM FITTINGS ETC.</u>			
<u>Supply and installation of bathroom fittings</u>			
5	Provide a sum of R 30 000.00 (Thirty Thousand Rands) for towel dispenser, waste disposal bin, soap dispenser, wash hand basin & mirror	Item	30 000,00
<u>SHELVES ETC</u>			
<u>Powder coated steel shelves</u>			
6	1200 x 450 x 180mm high mild steel shelving inclusive of all support posts, brackets and bracing shelving bolted to brickwork	No 3	
Carried Forward to Summary of Section No. 1			R
Section No. 1			
Bill No. 9			
Ironmongery			

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 10</u>			
	<u>METALWORK</u>			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	Descriptions			
	Descriptions of bolts shall be deemed to include nuts and washers			
	Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete			
	Metalwork described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described			
	NOTE: All steel will be Hot dipped galvanised unless otherwise stated.			
	<u>Galvanised Balustrades</u>			
1	Balustrade 1000mm high formed of 50mm external diameter x 2.5mm thick continuous tubular top rail welded to 50mm external diameter x 2.5mm thick stanchion at 900mm centres fixed to mild steel base bracket fixed to top steps including bolts with 20mm diameter horizontal bars between stanchions at 100mm centres.	m	7	
2	Extra over steel handrail for flat closed end.	No	2	
	<u>STEEL WINDOW ACCESSORIES</u>			
	<u>Window peg stays</u>			
3	250mm long brass window stays to match existing	No	9	
	Carried Forward		R	
	Section No. 1 Bill No. 10 Metalwork			

	Brought Forward			R
4	90 x 60 x 25mm heavy duty window handle to match existing	No	6	
Carried Forward to Summary of Section No. 1				R
Section No. 1				
Bill No. 10				
Metalwork				

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 11</u>			
	<u>PLASTERING</u>			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Proprietary products in descriptions:</u>			
	Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.			
	<u>SCREEDS</u>			
	<u>Screeds on concrete:</u>			
1	30mm Thick on floors	m2	27	
	<u>Prepare and clean surface and apply self-levelling screed, in strict accordance with manufacturer's instructions, to form an even surface to receive vinyl tiles (elsewhere measured):</u>			
2	On new screeded floors (Provisional).	m2	22	
	<u>4mm Polyurethane epoxy floor coating to SANS 10400 Part J4.2, all laid in accordance with Manufacturer's instructions</u>			
	Certificate of compliance will be required from the contractor			
3	On new screed floors.	m2	27	
	<u>EXTERNAL PLASTER</u>			
	<u>Cement plaster on brickwork</u>			
4	On walls.	m2	4	
	Carried Forward to Summary of Section No. 1			
	Section No. 1			
	Bill No. 11			
	Plastering			
			R	

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 13</u>			
	<u>PLUMBING AND DRAINAGE</u>			
	<u>(PROVISIONAL)</u>			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Proprietary products in descriptions:</u>			
	Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.			
	<u>Copper pipes:</u>			
	Pipes shall be hard drawn and half-hard pipes of the class stated. Class 0 (thin walled hard drawn) pipes shall not be bent. Class 1 (thin walled half-hard), class 2 (half-hard) and class 3 (heavy walled half-hard) pipes shall only be bent with benders with inner and outer formers. Fittings to copper waste, vent and anti-syphon pipes, capillary solder fittings and compression fittings shall be 'Cobra Watertech' type. Capillary solder fittings shall comply with ISO 2016. Only compression fittings shall be used in walls or in ground.			
	<u>Chasing:</u>			
	Chasing pipes into new walls shall be regarded as "building in" and is not measured separately. The cost of chasing, wrapping in suitable bown paper and making good shall be included in the rates for pipes.			
	<u>Holes for pipes through new walls:</u>			
	No allowance for holes and drilling for pipes through new walls has been made in these bills of quantities, the price for all holes and making good shall be deemed to be included in the description of pipes.			
	Carried Forward		R	
	Section No. 1 Bill No. 13 Plumbing and Drainage			

Brought Forward <u>Reducing fittings:</u> Where fittings have reducing ends or branches they are described as 'reducing'. In the case of pipes with diameters not exceeding 60mm only the largest end or branch size is given. Should the Contractor wish to use other fittings and bushes or reducers he may do so on the understanding that no claim in this regard will be entertained. In the case of pipes with diameters exceeding 60mm all sizes are given and no claim for extra bushes, reducers, etc will be entertained. <u>Description of pipes laid in trenches:</u> Descriptions of pipes laid in trenches shall be deemed to include for carting away all surplus excavated material to a dumping site located by the contractor. <u>Excavations:</u> No claim for rock excavation will be entertained unless the Contractor has timeously notified the quantity surveyor thereof prior to backfilling. 'Soft rock' and 'hard rock' shall be as defined in 'Earthworks'. <u>Laying, backfilling, bedding, etc of pipes:</u> Pipes shall be laid and bedded and trenches shall be carefully backfilled in accordance with manufacturers' instructions. Where no manufacturers' instructions exist pipes shall be laid in accordance with clauses 5.1 and 5.2 of each of the following: SABS 1200 L : Medium pressure pipelines LD : Sewers LE : Stormwater drainage Pipe trenches etc shall be backfilled in accordance with clause 3, 5.5, 5.6, 5.7 and 7 of SABS 1200DB: Earthworks (Pipe trenches) Clause 5.7.2 will only be applicable if authorised by the Engineer in writing. <u>Flush pans:</u> Flush pans shall have straight or side outlets and 'P' or 'S' traps as necessary.		R	
Carried Forward Section No. 1 Bill No. 13 Plumbing and Drainage		R	

Brought Forward			R
<u>Stainless steel basins, sinks, wash troughs, urinals, etc:</u>			
Units shall have standard aprons on all exposed edges and tiling keys against walls where applicable.			
<u>Fixing:</u>			
Descriptions of wall mounted, floor standing, drop-in, etc type sanitary fittings shall be deemed to include fixing in position and all fixing accessories.			
Descriptions of proprietary items shall include fixing in position and all fixing accessories as specified by the manufacturer.			
<u>Waste unions:</u>			
Descriptions of waste unions shall be deemed to include rubber or vulcanite plugs and chains fixed to fittings.			
<u>Sleeve pipes:</u>			
Electrical sleeve pipes to be Class 34 and are to include for draw wires.			
<u>TAPS, VALVES, ETC</u>			
<u>Brushed finish brass steel:</u>			
1	15mm Chrome plated code 211-15 pillar tap.	No	2
2	15mm mini ball valve (MXF 1030--15)	No	3
<u>Taps:</u>			
3	Supply and install medical elbow-action tap	No	4
<u>SANITARY PLUMBING</u>			
<u>uPVC piping (SABS 967-1987):</u>			
4	110mm vent pipes fixed to walls.	m	6
<u>Extra over uPVC piping for:</u>			
5	110mm Bend.	No	1
6	110mm Access bend.	No	1
Carried Forward			R
Section No. 1 Bill No. 13 Plumbing and Drainage			

Brought Forward

Testing:

7 Testing waste water pipe system.

Item

WATER SUPPLY TO BUILDINGS

Water Supply

8 Provide an amount of R50 000,00 (Fifty Thousand Rands) for inspection and repair of water supply to the building.

Item

50 000,00

Carried Forward to Summary of Section No. 1

Section No. 1
Bill No. 13
Plumbing and Drainage

R

R

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 14</u>			
	<u>GLAZING</u>			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Proprietary products in descriptions:</u>			
	Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.			
	<u>GLAZING TO STEEL WITH PUTTY</u>			
	<u>4mm laminated safety glass</u>			
1	Panes not exceeding 0,1 m ²	m2	5	
	<u>TOPS, SHELVES, DOORS, MIRRORS, ETC</u>			
	<u>4 mm Silvered float glass copper backed mirrors with polished edges holed for and fixed with chromium plated dome capped mirror screws with rubber buffers to plugs in brickwork or concrete</u>			
2	Mirror 380 x 600 mm high with four screws	No	1	
	Carried Forward to Summary of Section No. 1			
	Section No. 1		R	
	Bill No. 14			
	Glazing			

Brought Forward			R
	<u>Prepare surfaces, remove flaking paint, apply one coat merit plaster primer (PP700) and two coats pva (EPL/TAP) paint according to manufacturers specification.</u>		
3	Interior walls.	m2	989
	<u>Prepare surfaces, apply one coat merit plaster primer (PP700) and two coats Wall and All paint according to manufacturers specification.</u>		
4	Exterior walls.	m2	244
	<u>Prepare surfaces, apply three coats of brick dressing to manufacturers specification.</u>		
5	Exterior walls.	m2	77
	<u>ON WOOD</u>		
	<u>Prepare and apply one coat wood primer, one undercoat and two coats velvagio satin paint on:</u>		
6	Doors (all surfaces measured).	m2	51
	<u>Prepare, knot and apply one coat woodcare pretreatment and two coats off woodcare interior water based wood varnish</u>		
7	Skirtings, rails, etc not exceeding 300mm girth.	m	266
	<u>ON METAL</u>		
	<u>Clean down thoroughly with galvanised iron cleaner, Apply one coat of Plascon Plascoprime 170 Zinc Phosphate Primer (UC170) and finish with two full coats of Plascon Water based Velvagio Satin (VLW)</u>		
8	On windows	m2	45
	<u>One layer "Duram Duramesh" or similar approved mesh applied in strict accordance with the manufacturer's instructions.</u>		
9	On roof sheeting joints.	m	50
	<u>Prepare and apply two coats "Duram Rubberflex" or similar approved paint on</u>		
10	On roof sheeting.	m2	140
Carried Forward to Summary of Section No. 1			R
Section No. 1			
Bill No. 15			
Paintwork			

[illegible]

Item No		Quantity	Rate	Amount
	<u>CLINIC SERVICES BUILDING</u>			
	<u>SECTION NO. 3</u>			
	<u>BILL NO. 1</u>			
	<u>EARTHWORKS (PROVISIONAL)</u>			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Proprietary products in descriptions:</u>			
	Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.			
	<u>Nature of material to be excavated:</u>			
	The material to be excavated is assumed to be predominantly of a composition that will allow excavation in "earth" as specified, but including a percentage of excavation in "soft rock" and "hard rock".			
	<u>Carting away of excavated material:</u>			
	Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations, or alternatively, from stock piles situated on the building site.			
	<u>Dewatering of excavations:</u>			
	The Contractor shall allow for removing seepage and other water from subterranean sources from the excavations by pumping, baling or otherwise. Accurate records of all such dewatering shall be kept to determine the total volume of water so removed and a clear distinction shall be made between water from subterranean sources and other water			
	Carried Forward		R	
	Section No. 2			
	Bill No. 1			
	Earthworks			

Brought Forward			R
<u>Density testing on filling:</u> Rates for filling, etc. shall include for all density and soil type testing to prove that the specified compaction is achieved. When additional testing is done on instruction of the Principal Agent and these tests are successful, they will be paid for additionally. <u>Imported fill:</u> "Filling and bedding to trenches etc. to be in compliance with SABS 1200 DB and LB respectively"			
<u>EXCAVATION, FILLING, ETC</u>			
<u>Excavations, Filling, Etc.</u>			
1	Excavate in earth for surface trenches not exceeding 2000mm deep.	m3	38
2	Extra over excavations in earth to bases and trenches for excavation in soft rock	m3	4
3	Extra over excavations in earth to bases and trenches for excavation in hard rock.	m3	2
4	Extra over all excavations for carting away surplus excavated material.	m3	25
5	Allow for risk of collapse to sides of trench and base excavations not exceeding 1500mm deep.	m2	107
6	Earth filling, selected by the Contractor from the excavated material, deposited in layers not exceeding 150mm thick, watered and consolidated to 93% modified AASHTO density as backfilling to trenches, bases, etc.	m3	13
7	G5 filling, selected and supplied by the Contractor, deposited in layers not exceeding 150mm thick, watered and consolidated to 98% mod AASHTO density under floors, etc.	m3	15
8	Rip, scarify, mix and consolidate top 150mm of sub grade to 95% mod AASHTO density.	m2	44
Carried Forward			R
Section No. 2 Bill No. 1 Earthworks			

Brought Forward			R
<u>Prescribed density tests on filling:</u>			
9	Allow for compaction tests by an approved laboratory to determine density of filling material.	No	6
<u>Keeping excavations free of water</u>			
10	Keeping excavations free of all water other than subterranean water		Item
<u>Soil poisoning</u>			
11	Under floors, etc including forming and poisoning shallow furrows against foundation walls, surface beds, etc and filling in furrows and ramming	m2	44
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 1			
Earthworks			

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 3</u>			
	<u>BILL NO. 2</u>			
	<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities. <u>SUPPLEMENTARY PREAMBLES</u> <u>Proprietary products in descriptions:</u> Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent. <u>Cost of tests:</u> The costs of making, storing and testing of concrete test cubes as required under clause 7 'Tests' of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the Architect. The testing shall be undertaken by an independent firm or institution nominated by the Contractor to the approval of the Architect. (Test cubes are measured separately). <u>Formwork:</u> Descriptions of formwork shall be deemed to include use and waste only (except where described as left in or permanent), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use. The vertical strutting shall be carried down to such construction as is sufficiently strong to afford the required support without damage and shall remain in position until the newly constructed work is able to support itself.			
	Carried Forward		R	
	Section No. 2 Bill No. 2 Concrete, Formwork and Reinforcement			

Brought Forward			R
Formwork to soffits of solid slabs etc., shall be deemed to be to slabs not exceeding 250mm thick unless otherwise described. Formwork to sides of bases, pile caps, ground beams, etc., will only be measured where it is prescribed by the Engineer for design reasons. Formwork necessitated by irregularity or collapse of excavated faces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavations, provision for which is made in Earthworks. <u>CONCRETE, FORMWORK AND REINFORCEMENT</u> <u>VIBRATED REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u> <u>30 MPa/19 mm concrete</u>			
1	Strip footings	m3	11
<u>(25MPa) open stormwater channels with V-shaped waterway formed in top, finished smooth on all exposed surfaces</u>			
2	1000 x 110mm open concrete stormwater channel with 860 x 60mm deep 'V' channel with rounded salient edges and finished on exposed surfaces with (2:1) cement mortar, laid to falls in panels not exceeding 3,0m long with 12mm bitumen impregnated softboard movement joints with exposed edges raked out for a depth of 10mm and filled with bituminous compound on suitable 150mm subbase material compacted to 93% Mod A.A.S.H.T.O. density, including all necessary excavations, 250 micron dpm, formwork, ref 100 mesh, compaction, grading, carting away, etc.	m	45
3	Extra over channel for angles, intersections, ends, etc.	No	6
4	Extra over for widening concrete to form spreader 2500mm wide extreme for a length of 1250mm and bedding 150 x 150 x 150mm stone pitching embedded in newly cast wet concrete spaced at 300mm centre spacings to falls including brushing concrete between stones.	No	2
Carried Forward			R
Section No. 2 Bill No. 2 Concrete, Formwork and Reinforcement			

Brought Forward			R
<u>VIBRATED REINFORCED CONCRETE</u>			
<u>30 MPa/19 mm concrete</u>			
5	Surface beds on waterproofing.	m3	6
6	Ramps cast in panels	m3	1
7	Ring beams	m3	5
<u>Finishing top surfaces of concrete smooth with a wood float:</u>			
8	Surface beds, slabs, etc	m2	44
<u>TESTING</u>			
9	Concrete test cubes size 150 x 150 x 150mm overall including testing (Provisional).	No	12
<u>SMOOTH FORMWORK</u>			
<u>Formwork to Sides and Soffits:</u>			
10	Beams propped up not exceeding 3,5m high.	m2	50
<u>REINFORCEMENT</u>			
<u>High tensile steel reinforcement to structural concrete work:</u>			
11	10mm Diameter bars.	kg	800
<u>Fabric reinforcement:</u>			
12	REF. 193 fabric reinforcement in concrete surface beds, slabs, etc.	m2	44
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 2			
Concrete, Formwork and Reinforcement			

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 3</u>			
	<u>BILL NO. 3</u>			
	<u>MASONRY</u>			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Proprietary products in descriptions:</u>			
	Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.			
	<u>BRICKWORK IN FOUNDATIONS</u>			
	<u>(PROVISIONAL)</u>			
	<u>Brickwork of NFX bricks (14 MPa nominal compressive strength) in Class I mortar:</u>			
1	Half brick walls.	m2	12	
2	One brick walls.	m2	3	
3	One brick walls	m2	42	
	<u>BRICKWORK IN SUPERSTRUCTURE</u>			
	<u>Brickwork of NFP bricks (14 MPa nominal compressive strength) in Class II mortar:</u>			
4	Half brick walls.	m2	29	
5	Half brick walls in beamfilling	m2	6	
6	One brick walls.	m2	14	
7	270mm cavity walls	m2	120	
	Carried Forward			
	Section No. 2			
	Bill No. 3			
	Masonry			
			R	

Brought Forward			R
<u>BRICKWORK SUNDRIES</u>			
<u>Bagging and sealing the outer face of the inner skin of walls with 1:3 cement and sand mixture and seal with two coats "Brixeal" bitumen emulsion waterproofing coating:</u>			
8	To walls (Provisional).	m2	120
<u>Brickwork reinforcement:</u>			
9	75mm Wide reinforcement built in horizontally.	m	116
10	Ditto, but in foundations	m	93
11	150mm Wide reinforcement built in horizontally.	m	56
12	Ditto, but in foundations	m	30
13	230mm Wide reinforcement built in horizontally.	m	156
14	Ditto, but in foundations	m	312
<u>Galvanised hoop iron cramps, ties, etc</u>			
15	32 x 1,6 mm Hoop iron roof tie 1500 mm long with one end fixed to timber and other end built into six courses of brickwork	No	32
<u>Prestressed fabricated lintels:</u>			
16	110 x 75mm Lintels in lengths not exceeding 3m.	m	1
17	150 x 75mm Lintels in lengths not exceeding 3m.	m	15
<u>FACE BRICKWORK</u>			
<u>Firelight Travertine (FBX) facebricks pointed with square ruled recessed horizontal and vertical joints:</u>			
18	Extra over brickwork for face brickwork externally.	m2	100
19	Extra over brickwork for face brickwork in beamfilling.	m2	5
20	Ditto, but in foundations (Provisional).	m2	20
<u>Brick-on-edge header course copings, sills, etc with recessed joints on all exposed faces:</u>			
Carried Forward			R
Section No. 2 Bill No. 3 Masonry			

Brought Forward			R
<u>Note:</u> First and last bricks of sills to be solid.			
21	220mm Brick on edge sill bedded sloping and jointed in cement mortar and pointed on top, edge and projecting soffit including cutting and fitting between reveals and splay cutting brickwork under. <u>Brick-on-edge header course copings, sills, etc with recessed joints on all exposed faces:</u>	m	5
22	220mm Wide roller course to top of foundation walls bedded and jointed in cement mortar and pointed on top and one side as described. <u>NUTEC-CEMENT OR OTHER APPROVED WINDOW SILLS</u> <u>Natural grey sills in single lengths bedded in class I mortar including metal fixing lugs, etc</u>	m	5
23	15 x 150mm Wide sills set flat and slightly projecting	m	5
Carried Forward to Summary of Section No. 2 Section No. 2 Bill No. 3 Masonry			R

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 3</u>			
	<u>BILL NO. 4</u>			
	<u>WATERPROOFING</u>			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Proprietary products in descriptions:</u>			
	Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.			
	<u>DAMPPROOFING OF WALLS AND FLOORS</u>			
	<u>One layer of 375 micron embossed dampcourse waterproof sheeting below walls, sills, etc:</u>			
1	Below walls, sills, etc.	m2	16	
	<u>250Micron Embossed Dampproof Sheeting</u>			
2	Under concrete slabs.	m2	45	
	<u>JOINT SEALANTS ETC</u>			
	<u>Clear Neutral silicone sealant:</u>			
3	In joint sealing and pointing around sanitary fittings	m	20	
	Carried Forward to Summary of Section No. 2			
	Section No. 2		R	
	Bill No. 4			
	Waterproofing			

Rate

Amount

BILL NO. 5

ROOF COVERINGS ETC.

SUPPLEMENTARY PREAMBLES

Proprietary products shall be used as specified.
Substitute products of similar quality and specification
may only be used with prior approval by the Principal
Agent.

Fixing shall be done according to SABS 1200HB with minimum 225mm end laps.

Guarantee:

The contractor will be required to provide a written guarantee, stating that :1. The roof sheeting is of the specified thickness.2. The client is indemnified against any defects, including colour deterioration for a minimum period of 15 years.

Pricing:

Prices for roof covering and cladding are to include for all necessary drive screws, hook bolts, sheet bolts, nuts, washers, etc., for drilling holes for screws and bolts including removing all swarf from the sheeting and all right angle cutting and waste (Measured net).

RIBBED SHEETING AND ACCESSORIES

Carried Forward

R

Section No. 2
Bill No. 5
Roof Coverings Etc.

Brought Forward			R
<u>0,58mm concealed fixed zincalume AZ150 with Colorplus to top side roof sheeting including fixing to timber purlins (elsewhere measured) at approximately 1000mm centres including all clips, etc, strictly in accordance with manufacturer's specification.</u>			
1	Roof covering with pitch not exceeding 50 degrees.	m2	68
<u>0,8mm Nominal thickness ditto, but flashings:</u>			
2	Ridge 462mm girth with minimum 230mm laps, fixed to roof sheeting (measured net).	m	4
3	Moulded narrow and broad rib polyethelene filler blocks	m	8
<u>ROOF INSULATION</u>			
<u>Sisalation 420 housing grade reinforced aluminium foil and polyethylene insulation:</u>			
4	Insulation laid taut over purlins (at maximum 1000mm centres) and fixed concurrent with roof covering, including galvanised steel straining wires.	m2	68
<u>RAINWATER DISPOSAL (PROVISIONAL):</u>			
<u>Pre-painted aluminium rainwater goods:</u>			
5	150 x 130 x 150mm High eaves gutter fixed to falls in continuous lengths at not exceeding 600mm centres with and including approved gutter brackets.	m	27
6	Extra over eaves gutter for stop end.	No	4
7	Extra over eaves gutter for outlet for 100 x 75mm pipe.	No	3
8	100 x 75mm Rainwater pipes fixed to walls with and including approved holderbats at 900mm centres.	m	9
9	Extra over rainwater pipe for shoe.	No	3
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 5			
Roof Coverings Etc.			

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 3</u>			
	<u>BILL NO. 6</u>			
	<u>CARPENTRY AND JOINERY</u>			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Proprietary products in descriptions:</u>			
	Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.			
	<u>Prefabricated roof trusses:</u>			
	Prices must include for all cross and windbracing according to the manufacturer's instruction.			
	Prices must include for the design, plans and approval of all timber trusses and no claim shall be considered.			
	Pre-fabricated timber roof trusses shall comply with the requirements of SABS Specification 0163 and be constructed of South African pine as described in clause 8.5 to the designs shown on the Manufacturer's detail drawings. The timber shall be of cross-sectional dimensions shown, cut to correct lengths with ends square or at the required angle.			
	Trusses shall be assembled in truss fabricating jigs with the truss having the proper camber, all tightly clamped together with joints secured using approved connector plates of galvanised steel sheet. Connector plates shall be pressed into the timber simultaneously from both sides of the truss with a hydraulic press capable of exerting such pressure as will ensure complete penetration of the teeth into the timber.			
	Carried Forward		R	
	Section No. 2 Bill No. 6 Carpentry and Joinery			

Brought Forward The connector plates shall be of such size as will ensure that the joints so made will adequately withstand the forces exerted on the joints. In coastal areas connector plates in buildings without ceilings shall be painted with two coats of epoxy tar complying with SABS Specification 801 Type 2, or rust neutralising paint. Approval of pre-fabricated roofing systems, whether measured as an alternative or not, shall be subject to the following requirements: (a) The Manufacturer of the pre-fabricated trusses shall hold a certificate of competence issued by the Insitute for Timber Construction. (b) A polyester print, size A1 having a minimum thickness of 0,5mm, shall be submitted by the Contractor to the Structural Engineer at an early stage for approval by the Directorate: Structural Engineering Services. (c) The drawings shall be signed by a Registered Professional Engineer whose name appears on the Departmental panel for structural work. (d) In the case of systems buildings, approval shall be given with submission of the contract drawings on acceptance of the tender. The following minimum information shall be shown on the drawings: (a) Details of the roof system with the position of the rafters and purlins indicated thereon as well as typical elevations. (b) Bracing as recommended by the Institute for Timber Construction. (c) Sizes and grading of the timber components. (d) Truss sizes, e.g. height of ridge or angle of pitch. (e) Plate sizes for every construction point. (Code numbers only are deemed insufficient). Carried Forward Section No. 2 Bill No. 6 Carpentry and Joinery	R R

		Brought Forward			R
	(f)	Seperate connection details for hip, valley and jack rafters.			
	(g)	Maximum spacing for purlins and brandering to ceilings shall be according to Subclauses 7.6.1 and 7.6.2 and Clauses 7.8, 7.9 and 9.5.			
	(h)	The type of roof covering as well as the design load. Over and above the supervision undertaken by the Representative / Agent, the Truss Fabricator or his Design Engineer shall inspect the completed roof structure and issue a certificate of confirmation to the Department that: "The roof structure(s) has (have) been erected in accordance with the Design Engineer's drawings, as accepted by the Department, and the relevant details given in the manual "THE ERECTION AND BRACING OF TIMBER ROOF TRUSSES" issued by the National Timber Research Institute and the Institute for Timber Construction".			
	<u>Joinery:</u>				
	Descriptions of frames shall be deemed to include frames, transomes, mullions, rails, etc.				
	Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes.				
	<u>Fixing:</u>				
	All nailing of timber roof trusses, purlins, etc shall be done with galvanised nails. In coastal areas, copper, aluminium or stainless steel nails shall be used.				
	Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete.				
	Where items are described as "bolted" the bolts have been measured elsewhere.				
	<u>ROOFS ETC</u>				
	<u>Sawn softwood:</u>				
1	38 x 114mm Wall plate.	m	25		
		Carried Forward			R
	Section No. 2 Bill No. 6 Carpentry and Joinery				

Brought Forward			R
<u>Wrought softwood:</u>			
2	50 x 76mm Purlins.	m	67
<u>Sundries:</u>			
3	MiTek® eCo hurricane clip fixed using Permfix nails or bolts through pre-drilled holes.	No	60
<u>PREFABRICATED ROOF TRUSSES, ETC.</u>			
<u>Prefabricated timber roof trusses shall be constructed of South African pine by a firm of specialist designer manufacturers. Trusses to be a maximum of 1200mm centres and are to support metal roof covering. Ceilings are either gypsum plasterboard or claddit (suspended or fixed). Prices must include for the design , plans and approval of all timber trusses and no claim shall be considered. An Engineers approval certificate is required once the roof truss installation is complete and is for the contractors account.</u> Note: Bidders are referred to the Architects roof plan drawings accompanying these bills of quantities for tender purposes. Specifications and calculations of prefabricated roof must be supplied by the contractor on award of the contract. Descriptions (prices) shall be deemed to include design.			
4	Mono pitch roof truss with 3410mm span between plates to 25degree pitch including a 600mm overhang on one side	No	12
5	Mono pitch roof truss with 3570mm span between plates to 25degree pitch including a 600mm overhang on one side	No	3
6	Allow for bracing, cross bracing, connecting clips, fixing brackets, hurricane clips, etc., as required for fixing in position of roof trusses as described in accordance with the manufacturer's instructions.	Item	
<u>EAVES, VERGES, ETC</u>			
Carried Forward			R
Section No. 2 Bill No. 6 Carpentry and Joinery			

Brought Forward			R
<u>Pressed fibre-cement:</u>			
7	15 x 225mm Fascia board three times drilled, and brass screwed to and including 38 x 50 x 114mm long S.A. Pine cleats twice brass screwed to rafter foot including galvanised steel H-profile jointing strips, screws, holes etc.	m	27
8	80 x 275 x 12mm Barge board drilled and brass screwed to purlin ends including galvanised steel H-profile jointing strips, screws, holes etc.	m	25
9	Eaves soffit covering of 6mm thick fibre cement ceiling sheets including 38 x 38mm sawn softwood banding along edges, along centre and at 400mm centres across sheets	m2	15
<u>DOORS ETC</u>			
<u>"Swartland PD1" or similar approved exterior door:</u>			
10	44mm Thick, single flush door, size 813 x 2,032mm high.	No	3
<u>"Swartland PR" or similar approved open back exterior door:</u>			
11	44mm Thick, double door with rebated meeting stiles, size 1674 x 2,032mm high.	No	3
<u>FRAMED FRAMES ETC</u>			
<u>Wrought meranti:</u>			
12	38 x 76mm "Swartland" or similar approved rebated and angle rounded door frames plugged.	m	33
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 6			
Carpentry and Joinery			

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 3</u>			
	<u>BILL NO. 7</u>			
	<u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u>			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Proprietary products in descriptions:</u>			
	Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.			
	<u>Descriptions:</u>			
	Items described as nailed shall be deemed to be fixed with hardened steel nails or pins or shot pinned to brickwork or concrete.			
	Items described as plugged shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres, and where described as bolted the bolts have been given.			
	<u>NAILED UP CEILINGS</u>			
	<u>6mm "Everite Nutec" fibre cement board with H-profile white pvc jointing strips:</u>			
1	Ceilings including 38 x 50mm sawn softwood bandering at 400mm centres with cross bandering at joints, ends of sheets and at light fittings, etc.	m2	44	
2	Extra over Fibre-cement ceiling for forming trap door size 630 x 630mm in clear formed with 38 x 50mm sawn S.A. pine framing covered with ceiling boarding and set in 38 x 76mm wrought S.A. pine rebated kerb, including trimmers.	No	2	
	Carried Forward			
	Section No. 2			
	Bill No. 7			
	Ceilings, Partitions and Access Flooring			
			R	

Brought Forward			R
<u>Rhino Gypsum plasterboard cornices</u>			
3	75 mm Coved cornices	m	59
<u>Non-combustible polyester thermal insulation of a density of not less than 10kg/m3:</u>			
4	135mm Insulation in blanket form closely fitted and laid on top of brandering between roof timbers etc.	m2	44
Carried Forward to Summary of Section No. 2			
Section No. 2			
Bill No. 7			
Ceilings, Partitions and Access Flooring			

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 3</u> <u>BILL NO. 8</u> <u>IRONMONGERY</u> The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities. <u>SUPPLEMENTARY PREAMBLES</u> <u>Proprietary products in descriptions:</u> Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent: <u>Finishes to ironmongery:</u> Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list BS Satin bronze lacquered CP Chromium plated SC Satin chromium plated SE Silver enamelled GE Grey enamelled AS Anodised silver AB Anodised bronze AG Anodised gold ABL Anodised black PB Polished brass PL Polished and lacquered PT Epoxy coated SD Sanded Fixing: Descriptions of wall mounted and floor standing ironmongery items shall be deemed to include for fixing in position and all fixing accessories Descriptions of proprietary items shall be deemed to include fixing in position and all fixing accessories Ironmongery to be Union or similar approved <u>HINGES, BOLTS, ETC</u> <u>"Union" or similar approved</u>			
1	100 x 75mm heavy duty nylon washered brass butt hinges.	No	21	
	Carried Forward Section No. 2 Bill No. 8 Ironmongery		R	

	Brought Forward			R
2	150 x 20mm flush bolts	No	3	
3	Bathroom indicator bolt (Code: CZ80941SCR)	No	1	
	<u>LOCKS</u>			
	<u>"Union" or similar approved</u>			
4	Four lever approved mortice lockset (Union 2277-78) complete with approved chromium plated handles.	No	4	
	<u>SUNDRIES</u>			
5	32mm Diameter black rubber door stop plugged to concrete floor.	No	8	
	<u>BATHROOM FITTINGS</u>			
	<u>Bathroom fittings etc.:</u>			
6	Stainless steel toilet roll holder Code:TR2 or similar approved, plugged/ screwed to wall complete.	No	1	
	<u>STEEL LOCKERS</u>			
	<u>Steel lockers, etc</u>			
7	4 tier steel locker, size 300 x 450 x 1800mm high	No	4	
Carried Forward to Summary of Section No. 2				R
Section No. 2				
Bill No. 8				
Ironmongery				

Brought Forward			R
<u>"NUKLIP TE NKCAFE" or similar approved powder coated aluminium windows, factory glazed with 6.38mm laminated safety glass with clip-on glazing beads, with neoprene seals and fixed with minimum three lugs per side in accordance with manufacturers instructions:</u>			
2	Window, size 950 x 1030mm glazed with 6.38mm laminated safety glass.	No	3
3	Window, size 950 x 1030mm glazed with 6.38mm laminated safety glass at bottom panel and aluminium louvres with mesh in the top panel	No	2
<u>STAINLESS STEEL TABLES</u>			
<u>Grade 304 (18/10) stainless steel</u>			
4	Stainless steel table model, size 1500mm long x 650 deep x 910mm high with a 150mm splash back.	No	1
5	Stainless steel table model, size 2250mm long x 650 deep x 910mm high with a 150mm splash back.	No	1
<u>WASTE BINS</u>			
<u>Waste bins, etc</u>			
6	240LT wheelie garbage bin	No	8
<u>ALUMINIUM LOUVRE UNITS</u>			
<u>Powder coated aluminium louvre units</u>			
7	Louvre unit 450 x 265mm high fixed to the external face of brickwork as per the manufacturer's instructions	No	3
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 9			
Metalwork			

Cement plaster on brickwork

On walls

20

R

372

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 3</u>			
	<u>BILL NO. 11</u>			
	<u>TILING</u>			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities. Any reference to trade names in the Bills of Quantities or Architect's specification or drawings shall deem to mean "or similar and approved"			
	<u>DETAIL DESCRIPTION AND SPECIFICATION</u>			
	Note: It is the responsibility of the specialist tiler to study the drawings and design and to allow for the design and execution of special fixing accessories, expansion joints, etc			
	<u>GENERAL PREAMBLES</u>			
	Samples - With reference to all items and colour schemes: Samples off all items is to be presented for approval prior to any bulk orders. Please take note that most items will have at least six week delivery period, these approvals will only take place at dates off site meetings, the samples need to be approved well in advance to avoid any delays with lead time on orders. All samples must remain in the sample room for the duration of the contract.			
	<u>WALL TILING</u>			
	<u>200 x 200mm white glazed ceramic tiles fixed with approved adhesive and anti-bacteria grouting laid as per the manufacturer's specifications</u>			
1	On smooth plastered walls.	m2	11	
	<u>48 x 48 x 4mm mosaic tiles in 300 x 300mm sheets, on TAL mosaic fix and grout</u>			
2	On walls	m2	1	
	Carried Forward			
	Section No. 2			
	Bill No. 11			
	Tiling			
			R	

FLOOR TILING

3	On floors	m2	16
4	Cut skirting 100mm high	m	21

R

374

Rate

Amount

BILL NO. 12

PLUMBING AND DRAINAGE (PROVISIONAL)

SUPPLEMENTARY PREAMBLES

Proprietary products shall be used as specified.
Substitute products of similar quality and specification
may only be used with prior approval by the Principal
Agent.

PREAMBLES

The Tenderer is referred to the relevant Clauses in the Model Preambles for Trades (1999 Edition), the Department of Public Works document No. PW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.

Copper pipes

Pipes shall be hard drawn and half-hard pipes of the class stated. Class O (thin walled hard drawn) pipes shall not be bent. Class 1 (thin walled half-hard), class 2 (half-hard) and class 3 (heavy walled half-hard) pipes shall only be bent with benders with inner and outer formers. Fittings to copper waste, vent and anti-siphon pipes, capillary solder fittings and compression fittings shall be "Cobra Watertech" type. Capillary solder fittings shall comply with ISO 2016. Only compression fittings shall be used in walls or in ground

Carried Forward

R

Section No. 2
Bill No. 12
Plumbing and Drainage

Brought Forward

R

Reducing fittings

Where fittings have reducing ends or branches they are described as "reducing". In the case of pipes with diameters not exceeding 60 mm only the largest end or branch size is given. Should the contractor wish to use other fittings and bushes or reducers he may do so on the understanding that no claim in this regard will be entertained. In the case of pipes with diameters exceeding 60 mm all sizes are given and no claim for extra bushes, reducers, etc will be entertained

Exposed concrete surfaces

Exposed surfaces of concrete stormwater channels, cover slabs, inspection eye marker slabs, gulley tops, cleaning eye tops, catchpits, inspection chambers, etc shall be finished smooth with plaster

Excavations

No claim for rock excavation will be entertained unless the contractor has timeously notified the quantity surveyor thereof prior to backfilling

"Soft rock" and "hard rock" shall be as defined in "Earthworks"

Laying, backfilling, bedding, etc of pipes

Pipes shall be laid and bedded and trenches shall be carefully backfilled in accordance with manufacturers' instructions

Carried Forward

R

Section No. 2
Bill No. 12
Plumbing and Drainage

Brought Forward			R
Where no manufacturers' instructions exist pipes shall be laid in accordance with clauses 5.1 and 5.2 of each of the following:			
SABS 1200 L : Medium-pressure pipelines			
SABS 1200 LD : Sewers			
SABS 1200 LE : Stormwater drainage			
Pipe trenches etc shall be backfilled in accordance with clauses 3, 5.5, 5.6, 5.7 and 7 of SABS 1200 DB : Earthworks (Pipe trenches)			
Pipes shall be bedded in accordance with clauses 3.1 to 3.4.1, 5.1 to 5.3 and 7 of SABS 1200 LB : Bedding (Pipes)			
Unless otherwise described bedding of rigid pipes shall be class B bedding			
<u>Flush pans</u>			
Flush pans shall have straight or side outlets and "P" or "S" traps as necessary			
<u>Stainless steel basins, sinks, wash troughs, urinals, etc</u>			
<u>Where sanitary fittings are fixed to walls, silicone finish between fitting and wall</u>			
Units shall have standard aprons on all exposed edges and tiling keys against walls where applicable			
<u>Waste unions</u>			
Descriptions of waste unions shall be deemed to include rubber or vulcanite plugs and chains fixed to fittings unless otherwise stated			
<u>SOIL DRAINAGE</u>			
<u>uPVC Soil pipes (SABS 791-1986):</u>			
1	40mm Pipe and fixing to walls, falls, in concrete, etc.	m	10
2	110mm Pipes vertically or ramped to cleaning eyes etc in and including trenches not exceeding 1000mm deep.	m	5
Carried Forward			R
Section No. 2			
Bill No. 12			
Plumbing and Drainage			

Brought Forward			R
3	110mm Pipes laid in ground not exceeding 1000mm deep including all excavations in earth, bedding cradle and blanket fill of selected granular material, main fill compacting in layers not exceeding 150mm thick, adjust moisture content to optimum and compact to a density of 90% Modified AASHTO in drain trenches including carting off surplus displaced material.	m	50
<u>Extra over uPVC pipes for fittings:</u>			
4	40 mm Adaptor	No	5
5	40 mm Bend	No	4
6	40 mm Access bend	No	2
7	110mm Access bend.	No	10
8	110 mm "GI two-way" vent valve	No	2
<u>SANITARY FITTINGS</u>			
<u>Grade 304 (18/10) stainless steel</u>			
9	Model ET101, 540 x 440mm single compartment laundry trough	No	2
10	Model CH 540 x 545 mm slop hopper unit with grid with 13 litre high level stainless steel cistern and flush pipe	No	1
<u>"Vaal" or similar approved</u>			
11	"Hibiscus" white vitreous china wash hand basin colour white(Code: 7008033), size 510 x 400mm with three semi-punched taphole including fixing bolts (VAA-8448Z0), intergrated overflow and chainstay	No	2
12	"Orchid " white vitreous china closed coupled W.C. suite colour white 90 degree wall hung open rim pan (Code: 439016), fixing brackets (Code: 8084Z0), lid (Code: 8531Z0) and Hibiscus Elite Duct concealed 6 Litre duct cistern (Code: 7116DP)	No	1
<u>WASTE UNIONS, ETC</u>			
<u>"Cobra Watertech" or similar approved</u>			
13	32mm 303 CP basin waste plug	No	2
Carried Forward			R
Section No. 2 Bill No. 12 Plumbing and Drainage			

R

Section No. 2
Bill No. 12
Plumbing and Drainage

Brought Forward			R
<u>Class 2 copper pipes</u>			
30	15 mm Pipe and fixing to walls, floors, in roofs, soffit of concrete slab in concrete, etc.	m 35	
31	Ditto, but 22mm pipe	m 35	
<u>Extra over class 2 copper pipes for capillary fittings to DIN2856, ISO2016 and BS 864</u>			
32	15mm Fittings	No 25	
33	22mm Fittings	No 25	
<u>ELECTRIC WATER HEATERS</u>			
<u>Electric water heaters:</u>			
34	100 litre 'Kwikot 600 Dual' or similar approved hot water heater with three kilowatt element, draincock and safety valve and fix on geyser tray (elsewhere measured) in roof space and joints to three 22mm copper pipes including connectors. (Electrical connection by Electrician).	No 1	
35	'Kwikot' or similar approved polyethylene geyser tray to suit 50 litre horizontal geyser in roof space with socketed connection for overflow pipe.	No 1	
<u>TESTING</u>			
36	Allow for testing all drains, sanitary plumbing and water supplies to the satisfaction of the Architect and to Municipal requirements. All defective work is to be taken out and replaced at the Contractor's expense.	Item	
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 12			
Plumbing and Drainage			

Brought Forward			R
<u>Prepare surfaces, apply one coat merit plaster primer and two coats plascon double velvet paint according to manufacturers specification.</u>			
3	Interior walls.	m2	161
<u>Prepare surfaces, apply one coat merit plaster primer (PP700) and two coats Wall and All paint according to manufacturers specification.</u>			
4	Exterior walls.	m2	35
<u>ON WOOD</u>			
<u>Prepare surfaces, apply one coat merit plaster primer (PP800) and two coats water based velvagio satin paint according to manufacturers specification.</u>			
5	Doors (all surfaces measured).	m2	29
<u>Prepare floors, sand and apply two coats woodseal penetrating preservative according to manufacturers specification.</u>			
6	On timber floors	m2	120
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 13			
Paintwork			

SECTION SUMMARY - SECTION NO 3: SERVICES BUILDING			Page No	Amount
Bill No				
1	Earthworks	350		
2	Concrete, Formwork and Reinforcement	353		
3	Masonry	356		
4	Waterproofing	357		
5	Roof Coverings Etc.	359		
6	Carpentry and Joinery	364		
7	Ceilings, Partitions and Access Flooring	366		
8	Ironmongery	368		
9	Metalwork	370		
10	Plastering	372		
11	Tiling	374		
12	Plumbing and Drainage	380		
13	Paintwork	382		
Carried to Final Summary			R	
Section No. 2				

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 4</u>			
	<u>BILL NO. 1</u>			
	<u>OCCUPATIONAL HEALTH AND SAFETY</u>			
	<u>Occupational Health & Safety, incl. HBA</u>			
	Preparation of the Contractor's site-specific Health and Safety Plan & Risk Assessment Health and Safety File in Hard Copy. (Include sub-contractors OHS File compliance)			
		Item		
	<u>Provision of Personal Protective Equipment (PPE)</u>			
	<u>Note: Tenderer to provide quantity for full competent of staff for contract period</u>			
1	Overalls with reflective strips including the contractor's logo and proof of induction	Item		
	Hard Hats (High Density polyethylene, & 6-point lining)	Item		
	Safety boot / shoes (Steel - toe)	Item		
	Ear Plugs / Muffs	Item		
	Dust Masks (at least FF2 type)	Item		
	Safety gloves	Item		
	Ear Defenders SABS approved	Item		
	Reflective vest for Visitor and Supervisors	Item		
	<u>Competent Personnel</u>			
	Competent scaffolding supervisor, erectors. Etc	Item		
	Carried Forward		R	
	Section No. 3			
	Bill No. 1			
	Health and Safety			

Brought Forward		R
Competent Formwork Supervisors and erectors	Item	
Competent Fall Protection Plan Developer	Item	
Work at heights training for all employees working at heights	Item	
<u>Cost of medical certificates and medical surveillance per employee</u>		
<u>Note: Tenderer to provide quantity for full component of staff for contract period</u>		
Initial (baseline) medical examinations	Item	
Provision of First Aid Boxes to GSR requirements	Item	
Working At heights medicals	Item	
2 Working at heights fall arrest equipment	Item	
Fire and emergency prevention signage	Item	
3 Vaccination (sewer works)	Item	
<u>Adhoc: Any OHS & HBA related requirements not listed above</u>		
Printer, Paper and Ink, consumables, soap	Item	
Waste bins	Item	
Close out H& S files scanned electronically with original files to CHSA.	Item	
<u>SUMMARY OF CATEGORIES</u>		
Category: Fixed	R	
Category: Value	R	
Category: Time	R	
Carried to Final Summary		R
Section No. 3		
Bill No. 1		
Health and Safety		

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 5</u>			
	<u>BILL NO. 1</u>			
	<u>PROVISIONAL AMOUNTS & BUDGETARY ALLOWANCES</u>			
	<u>ELECTRICAL INSTALLATION</u>			
1	Provide a sum of R 170 000.00 (One Hundred and Seventy Thousand Rands) for electrical installaton.	Item		170 000,00
2	Allow for profit.	Item		
3	Allow for attendance.	Item		
	<u>MECHANICAL INSTALLATION</u>			
4	Provide a sum of R 80 000.00 (Eighty Thousand Rands) for servicing air conditioners and leave in working order.	Item		80 000,00
5	Allow for profit.	Item		
6	Allow for attendance.	Item		
	<u>REMOVAL OF FURNITURE AND EQUIPMENT</u>			
7	Provide an amount of R50 000 (Fifty Thousand rands) for contractor to assist in moving of furniture and equipment during construction	Item		50 000,00
8	Allow for profit.	Item		
9	Allow for attendance.	Item		
	<u>COMMUNITY LIASON OFFICER</u>			
10	Provide the sum of R75 000.00 (Seventy Five Thousand Rands) for the placement of a community liaison officer to be employed by the main contractor (R5 000.00 per month for the duration of the contract)	Item		75 000,00
11	Allow for attendance.	Item		
	Carried to Final Summary		R	
	Section No. 4			
	Bill No. 1			
	Provisional Sums			

Section No	FINAL SUMMARY	Page No	Amount
1	SECTION NO 2: BUILDING WORKS	347	
2	SECTION NO 3: SERVICES BUILDING	383	
3	SECTION NO. 4: HEALTH AND SAFETY	385	
4	SECTION NO 5: PROVISIONAL SUMS	386	
			R
Sub-Total Carried to Grand Final Summary			

ALIWAL NORTH HOSPITAL FENCING

ALI WAL NORTH HOSPITAL FENCING

[illegible]

[illegible]

GRAND FINAL SUMMARY

[illegible]

PART C3: SCOPE OF WORKS

C3 SCOPE OF WORK

Bid Description:	"REPAIRS, RENOVATIONS AND REFURBISHMENT TO SIX (6) FACILITIES IN JOE GQABI DISTRICT – WALTER SISULU AND SENQU SUB - DISTRICTS"
Tender No:	SCMU3-2526-0212-JG

C3.1 SCOPE OF WORKS – JAMESTOWN CLINIC

3.1-1 DESCRIPTION OF THE WORKS:

The works will consist of the following major items:

1. **Building A: Major repairs and Maintenance to the existing Clinic. (155 sqm)**
2. **Building B: Relocation, and repairs to the existing Prefabricated building (42 sqm)**
3. **Building C: Demolition of existing outbuilding (64.6 sqm)**
4. **Building D: Construction of a new service building and patient ablutions (54 sqm)**



Figure 01: Locality Plan

Facility location: JAMESTOWN CLINIC is situated in James Calata, 9742 in the Walter Sisulu subdistrict of the Joe Gqabi District.

Coordinates: 31°07'49.1"S 26°48'15.2"E

Link: <https://maps.app.goo.gl/21wPD2q8La7J46kJ6>

3.1-2 Detailed Scope of Works:

A detail set of construction documentation forms part of the tender documentation and is attached as Annexure A

DETAIL SCOPE OF WORK

Building A: Major repairs and Maintenance to the existing Clinic. (155 sqm)

1. Replacement of the roof structure and covering.
2. Replacement of fascia's and barge boards.
3. Replacement of gutters and downpipes
4. Repainting of all buildings
5. Repair and replacement of existing doors and windows (in certain areas)
6. Repainting of existing doors and windows
7. Repair and reuse of existing gates.
8. Repair and replacement of existing door and window ironmongery and glass with safety glass. (in certain areas)
9. Replacement of existing ceilings
10. Repair damaged sanitary fittings and waste pipes.
11. Replace broken sanitary fittings

Building B: Relocation, and repairs to the existing Prefabricated building (42 sqm)

1. Construction of new concrete raft foundation
2. Relocation of existing Prefabricated building to new location.
3. Plumbing and drainage reticulation
4. Electrical reticulation
5. Replacement of fascia's and barge boards.
6. Replacement of gutters and downpipes
7. Installation of ramp and stairs

Building C: Demolition of existing outbuilding (64.6 sqm)

1. Demolish building.

Building D: Construction of a new service building and patient ablutions (54 sqm)

1. Concrete raft foundation
2. Brick internal and external walls – facebrick and plastered and painted.
3. Timber roof structure
4. Sheet metal roof covering
5. Sanitary fittings
6. Joinery fittings

EXTERNAL WORKS

1. Demolition of existing outbuilding (64.6 sqm)
2. Demolition of existing conservancy tank (7 sqm)
3. Construction of new conservancy tank.
4. New Building aprons
5. New paved walkways
6. Minor works to existing Stormwater Channels
7. New water reticulation and supply to new buildings
8. New sewer reticulation and connection to new buildings

Electrical installation and Fire detection

This subcontract calls for the general (1) Fire Detection Systems and (2) LV electrical installation comprising lighting, power and lightning protection for five clinic buildings comprising new and existing buildings.

1. New LV distribution board works
2. New LV distribution cabling works
3. Earthing & Lightning Protection systems
4. Conduit and wire ways for electrical services
5. Supply & Install new light fittings throughout building
6. Supply & Install new area lighting fittings for parking areas
7. Supply & Install new socket outlets and isolators throughout building
8. Performing and submission of test records and certificates
9. All other materials and labour necessary to complete the Works in full accordance with the specification and design contained or referred to in this document
10. All safety notices, safety plan and safety equipment.

ORDER OF WORK AND SECTIONAL COMPLETION:

1. The contractor will need to agree to a programme of work with the EC DoH Hospital Facilities Manager
2. The works will need to consider the operational requirements and delivery requirements of the clinic.
3. Only areas directly worked in by the contractor will be vacated at a time.
4. The contractor is to use temporary movable hoardings to isolate sectional work areas.
5. Careful programming of the works and proper construction management will ensure the timeous completion.
6. The work is to be completed within 32 weeks on site.

DECANTING

Decanting approach to be employed in the facility involves relocation of all clinical services to an identified alternative space in Jamestown due to the nature of intended works requiring unencumbered access to essential operational zones which would severely disrupt the continuity of facility functions.

The contractor is expected to adequately allow for the occupational preparatory works required in the identified alternative facility which include but not limited to connection of utility services as well as safe relocation and reinstating of equipment within the facility

ENABLING WORK

1. Contractor shall assist with the decanting of the clinic furniture and equipment under the direction of the ECDoH Facilities Manager for each area as it is worked in.
2. Furniture to be suitably identified with marked stickers prior to removal
3. Furniture to be stockpiled as directed by facilities manager.

REMOVAL OF WASTE MATERIALS FROM SITE

1. Contractor shall remove all waste materials from site to an approved dump site.

C3.2. SCOPE OF WORKS – ALIWAL POLY CLINIC

3.2-1 DESCRIPTION OF THE WORKS:

The works will consist of the following major items:

- 1. Building A: Major repairs and Maintenance to the existing Clinic. (271 sqm)**



Figure 01: Locality Plan

Facility location: ALIWAL POLY CLINIC is situated in Maletswai, in the Walter Sisulu subdistrict of the Joe Gqabi District.

Coordinates: -30.692889°, 26.706178°

Link: <https://maps.app.goo.gl/GG6Cjr9vgBggUTJT7>

3.2-2 Detailed Scope of Works:

A detail set of construction documentation forms part of the tender documentation and is attached as Annexure A

DETAIL SCOPE OF WORK

Building A: Major repairs and Maintenance to the existing Clinic. (271 sqm)

1. Floors – Remove timber floor, backfill and new concrete floor.
2. Add vinyl tiles, replace damaged or missing tiles.
3. Walls – Remedial works. Plaster and paint.
4. Windows – Refurbish broken glass/ windows and service fittings.
5. Doors – Refurbish looks and paint doors. Replace missing/ damaged doors.

6. Gates – Refurbish existing gates. Add 1 new.
7. Roof – Replace valley gutter and make good.
8. Ceiling - New ceiling.
9. Sanitaryware – Maintain existing
10. Disability access from the car park.
11. Fittings – Maintain existing.
12. Additions & Alterations – New toilet and Waiting area.

EXTERNAL WORKS

1. Disability access from the car park.

ORDER OF WORK AND SECTIONAL COMPLETION:

1. The contractor will need to agree to a programme of work with the ECDoH Hospital Facilities Manager. The works will need to consider the operational requirements and delivery requirements of the clinic.
2. Only areas directly worked in by the contractor will be vacated at a time.
3. The contractor is to use temporary moveable hoardings to isolate sectional work areas.
4. Careful programming of the works and proper construction management will ensure the timeous completion.
5. The works are to be completed within 32 weeks on site.

DECANTING

Facility will be closed, service offering redirected to nearby facilities for duration of closure. Safe relocation and reinstating of equipment should be allowed for.

ENABLING WORK

1. The contractor shall assist with the decanting of clinic furniture and equipment under the direction of the ECDoH Facilities Manager for each area as it is worked in.
2. Furniture to be suitably identified with marked stickers prior to removal
3. Furniture to be stockpiled as directed by facilities manager.

REMOVAL OF WASTE MATERIALS FROM SITE

1. The contractor shall remove all waste materials from site to an approved dump site.

C3.3 SCOPE OF WORKS – VENTERSTAD CLINIC

3.3-1 DESCRIPTION OF THE WORKS:

The works will consist of the following major items:

1. **Building A: Major repairs and Maintenance to the existing Clinic. (384 sqm)**
2. **Building B: Maintenance and repairs to the Accommodation unit (86.97sqm)**
3. **Building C: Construction of a New services building (54 sqm)**



Figure 01: Locality Plan

Facility location: VENTERSTAD CLINIC is situated 115Km from Maletswai in the Walter Sisulu subdistrict of the Joe Gqabi District.

Coordinates: -30.777967, 25.797222

Link: <https://maps.app.goo.gl/G3mn71fSTkiGQatk9>

3.3-2 Detailed Scope of Works:

A detail set of construction documentation forms part of the tender documentation and is attached as Annexure A

DETAIL SCOPE OF WORK

Building A: Major repairs and Maintenance to the existing Clinic. (384 sqm)

1. Floors – Varnish existing skirting. Remove ceramic tiles, add vinyl tiles.
2. Walls – Remedial works. Plaster, prepare and paint.
3. Windows - Replace broken glass/windows and service fittings. Install window blinds.
4. Doors – Refurbish locks and paint doors. Replace missing/damaged doors.
5. Gates – Refurbish existing gates.
6. Eaves – Maintain existing gutters, downpipes and fascia's to match existing.
7. Roof – New roof sheeting to additional areas. Maintain existing.
8. Ceiling – Refurbish and paint existing. New ceilings to additional spaces.
9. Sanitaryware – Maintain existing.
10. Disability access from the car park.
11. Joinery fittings – Maintain existing.
12. Additions & Alterations – New Sluice, Consultants room and extension of external waiting area

Building B: Maintenance and repairs of the Accommodation units (86.67sqm)

1. Floors – Maintain existing
2. Windows – Replace broken glass/windows and service fittings.
3. Doors - Refurbish locks and paint doors. Replace missing/damaged doors
4. Roof – Maintain existing.
5. Ceiling - Repair and replace the missing/damaged ceiling.
6. Sanitaryware - Maintain existing.
7. Walls – Wall cracks to be opened and repaired and painting.
8. Additions & Alterations – New 1:12 Ramp + Stair.

Building D: Construction of a new service building (54 sqm)

1. Concrete raft foundation
2. Brick internal and external walls – facebrick and plastered and painted.
3. Timber roof structure
4. Sheet metal roof covering
5. Sanitary fittings
6. Joinery fittings

EXTERNAL WORKS

1. New Building aprons
2. New paved walkways
3. Minor works to existing Stormwater Channels
4. New water reticulation and supply to new buildings
5. New sewer reticulation and connection to new buildings

Electrical installation and Fire detection

This subcontract calls for the general (1) Fire Detection Systems and (2) LV electrical installation comprising lighting, power and lightning protection for five clinic buildings comprising new and existing buildings.

1. New LV distribution board works
2. New LV distribution cabling works
3. Earthing & Lightning Protection systems
4. Conduit and wire ways for electrical services
5. Supply & Install new light fittings throughout building
6. Supply & Install new area lighting fittings for parking areas
7. Supply & Install new socket outlets and isolators throughout building
8. Performing and submission of test records and certificates
9. All other materials and labour necessary to complete the Works in full accordance with the specification and design contained or referred to in this document
10. All safety notices, safety plan and safety equipment.

ORDER OF WORK AND SECTIONAL COMPLETION:

1. The contractor will need to agree a programme of work with the EC DoH Hospital Facilities Manage
2. The works will need to consider the operational requirements and delivery requirements of the clinic
3. Only areas directly worked in by the contractor will be vacated at a time. The contractor is to use temporary moveable hoardings to isolate sectional work areas.
4. Careful programming of the works and proper construction management will ensure the timeous completion.
5. The works are to be completed within 32 weeks on site.

DECANTING

Decanting approach to be employed in the facility involves partial relocation of clinical services to an identified mobile clinic while other services will be temporarily relocated and configured within the existing clinic structure, through the creation of a demarcation between construction works area and the reconfigured clinical spaces to ensure clinical operations are kept running parallel to construction works in demarcated specific zones.

Due to the nature of intended works requiring unencumbered access to essential clinical support areas, the contractor is expected to adequately allow for an adequate ABT structure to be stationed at the facility for the duration of construction works to critical areas (exact size to be confirmed by facility operational management). The ABT will temporarily house clinical support areas as well as the facility information Centre. The bidder is also expected to supply and maintain portable ablution facilities for client specific needs. Safe relocation and reinstating of equipment should be allowed for.

ENABLING WORK

1. The contractor shall assist with the decanting of office furniture and equipment under the direction of the ECDoh Facilities Manager for each area as it is worked in.
2. Furniture to be suitably identified with marked stickers prior to removal
3. Furniture to be stockpiled as directed by facilities manager.

REMOVAL OF WASTE MATERIALS FROM SITE

1. Contractor shall remove all waste materials from site to an approved dump site.

C3.4 SCOPE OF WORKS – ROBERT MJOBO CLINIC

3.4-1 DESCRIPTION OF THE WORKS:

The works will consist of the following major items:

1. **Building A: Major repairs and Maintenance to the existing Clinic. (220.43 sqm)**
2. **Building B: Maintenance to the staff parking bay (56.76sqm)**
3. **Building C: Construction of a new service building and patient ablutions (54 sqm)**



Figure 01: Locality Plan

Facility location: ROBERT MJOBO CLINIC is situated in Lady Grey, in the Elundini subdistrict of the Joe Gqabi District.

Coordinates: -30.712520106502225, 27.20593575323573

Link: <https://maps.app.goo.gl/M6j6Lut3b1E3429u9>

3.4-2 Detailed Scope of Works:

A detail set of construction documentation forms part of the tender documentation and is attached as Annexure A

DETAIL SCOPE OF WORK

Building A: Major repairs and Maintenance to the existing Clinic. (220.43 sqm)

1. Floors – Prepare to replace missing or damaged vinyl tiles
2. Walls - Wall cracks to be opened and repaired and prepared for painting.
3. Windows - Replaced broken glass/windows and service fittings.

4. Doors - Refurbish locks and paint doors. Replace missing/damaged doors
5. Gates – Refurbished existing gates.
6. Eaves – Maintain existing Gutters, downpipes and fascia's to match existing.
7. Roof – New roof sheeting to additional areas. Maintain existing.
8. Ceiling - Repair and replace missing/damaged ceiling.
9. Sanitaryware – Maintain existing.
10. Disability access from the car park.
11. Joinery fittings – Maintain existing.

Building B: Maintenance to the staff parking (56.76sqm)

1. Extension of covered staff parking to allow for four 2.5mm wide parking bays.

Building C: Construction of a new service building (54 sqm)

1. Concrete raft foundation
2. Brick internal and external walls – facebrick and plastered and painted.
3. Timber roof structure
4. Sheet metal roof covering
5. Sanitary fittings
6. Joinery fittings

EXTERNAL WORKS

1. New Building aprons
2. New paved walkways
3. Minor works to existing Stormwater Channels
4. New water reticulation and supply to new buildings
5. New sewer reticulation and connection to new buildings

Electrical installation and Fire detection

This subcontract calls for the general (1) Fire Detection Systems and (2) LV electrical installation comprising lighting, power and lightning protection for five clinic buildings comprising new and existing buildings.

1. New LV distribution board works
2. New LV distribution cabling works
3. Earthing & Lightning Protection systems
4. Conduit and wire ways for electrical services
5. Supply & Install new light fittings throughout building
6. Supply & Install new area lighting fittings for parking areas
7. Supply & Install new socket outlets and isolators throughout building
8. Performing and submission of test records and certificates
9. All other materials and labour necessary to complete the Works in full accordance with the specification and design contained or referred to in this document
10. All safety notices, safety plan and safety equipment.

ORDER OF WORK AND SECTIONAL COMPLETION:

1. The contractor will need to agree to a programme of work with the EC DoH Hospital Facilities Manager
2. The works will need to consider the operational requirements and delivery requirements of the clinic.
3. Only areas directly worked in by the contractor will be vacated at a time.
4. The contractor is to use temporary movable hoardings to isolate sectional work areas.
5. Careful programming of the works and proper construction management will ensure the timeous completion.
6. The pit latrines may only be removed once the new dry sanitation units are installed.
7. The works are to be completed within 32 weeks on site.

DECANTING

Decanting approach to be utilized in the intended works in the facility involves the temporary relocation of services, staff and equipment within the existing clinic structure, through the creation of a demarcation between the construction works area and the reconfigured clinical spaces to ensure clinical operations are kept running parallel to construction works in demarcated specific zones.

The contractor is expected to provide adequate screens and barriers to ensure the health and safety of patients as well as facility equipment. Adequate allowances for relocation and reinstating of equipment to Herschell clinic and reconfiguration of temporary working areas is to be included in submitted bids.

ENABLING WORK

1. The contractor shall assist with the decanting of clinic furniture and equipment under the direction of the EC DoH Facilities Manager for each area as it is worked in.
2. Furniture to be suitably identified with marked stickers prior to removal
3. Furniture to be stockpiled as directed by the facilities manager.

REMOVAL OF WASTE MATERIALS FROM SITE

1. Contractor shall remove all waste materials from site to an approved dump site.

C3.5 SCOPE OF WORKS – SONWABO ZANDILE CLINIC

3.5-1 DESCRIPTION OF THE WORKS:

The works will consist of the following major items:

1. **Building A: Major repairs and Maintenance to the existing Clinic. (312 sqm)**
2. **Building B: Maintenance to the staff parking bay (59 sqm)**
3. **Building C: Construction of a new service building (54 sqm)**



Figure 01: Locality Plan

Facility location: SONWABO ZANDILE CLINIC is situated in Barkley East, in the Senqu subdistrict of the Joe Gqabi District.

Coordinates: -30.963819°, 27.593828°

Link: <https://maps.app.goo.gl/9UxmM5GL3Pggi3zP9>

3.5-2 Detailed Scope of Works:

A detail set of construction documentation forms part of the tender documentation and is attached as Annexure A

DETAIL SCOPE OF WORK

Building A: Major repairs and Maintenance to the existing Clinic. (312 sqm)

1. Floors – Prepare to replace missing or damaged vinyl tiles
2. Walls - Wall cracks to be opened and repaired and prepared for painting.
3. Windows - Replaced broken glass/windows and service fittings.
4. Doors - Refurbish locks and paint doors. Replace missing/damaged doors

5. Gates – Refurbished existing gates.
6. Eaves – Maintain existing Gutters, downpipes and fascia's to match existing.
7. Roof – Maintain existing.
8. Ceiling - Repair and replace missing/damaged ceiling.
9. Sanitaryware – Maintain existing.
10. Disability access from the car park.
11. Joinery fittings – Maintain existing.

Building B: Maintenance of staff parking (59 sqm)

1. Install new gutters and downpipes.

Building C: Construction of a new service building (54 sqm)

2. Concrete raft foundation
3. Brick internal and external walls – facebrick and plastered and painted.
4. Timber roof structure
5. Sheet metal roof covering
6. Sanitary fittings
7. Joinery fittings

EXTERNAL WORKS

1. New Building aprons
2. New paved walkways
3. Minor works to existing Stormwater Channels
4. New water reticulation and supply to new buildings
5. New sewer reticulation and connection to new buildings

Electrical installation and Fire detection

This subcontract calls for the general (1) Fire Detection Systems and (2) LV electrical installation comprising lighting, power and lightning protection for five clinic buildings comprising new and existing buildings.

1. New LV distribution board works
2. New LV distribution cabling works
3. Earthing & Lightning Protection systems
4. Conduit and wire ways for electrical services
5. Supply & Install new light fittings throughout building
6. Supply & Install new area lighting fittings for parking areas
7. Supply & Install new socket outlets and isolators throughout building
8. Performing and submission of test records and certificates
9. All other materials and labour necessary to complete the Works in full accordance with the specification and design contained or referred to in this document
10. All safety notices, safety plan and safety equipment.

ORDER OF WORK AND SECTIONAL COMPLETION:

1. The contractor will need to agree to a programme of work with the EC DoH Hospital Facilities Manager
2. The works will need to consider the operational requirements and delivery requirements of the clinic.
3. Only areas directly worked in by the contractor will be vacated at a time.
4. The contractor is to use temporary movable hoardings to isolate sectional work areas.
5. Careful programming of the works and proper construction management will ensure the timeous completion.
6. The pit latrines may only be removed once the new dry sanitation units are installed.
7. The works are to be completed within 32 weeks on site.

DECANTING

Decanting approach to be utilized in the intended works in the facility involves the temporary relocation of services, staff and equipment within the existing clinic structure, through the creation of a demarcation between construction works area and the reconfigured clinical spaces to ensure clinical operations are kept running parallel to construction works in demarcated specific zones.

The contractor is expected to provide adequate screens and barriers to ensure the health and safety of patients as well as facility equipment. Adequate allowances for safe relocation and reinstating of equipment to Cloete Joubert Hospital and reconfiguration of temporary working areas is to be included in submitted bids.

ENABLING WORK

1. The contractor shall assist with the decanting of office furniture and equipment under the direction of the EC DoH Facilities Manager for each area as it is worked in.
2. Furniture to be suitably identified with marked stickers prior to removal
3. Furniture to be stockpiled as directed by facilities manager.

REMOVAL OF WASTE MATERIALS FROM SITE

1. Contractor shall remove all waste materials from site to an approved dump site.

C3.5 SCOPE OF WORKS – ALIWAL NORTH HOSPITAL

3.5-1 DESCRIPTION OF THE WORKS:

The works will consist of the following major items:

1.Erection of a high-security perimeter fence



Figure 01: Locality Plan

Facility location: ALIWAL NORTH HOSPITAL is situated in Malestwai, in the Walter Sisulu subdistrict of the Joe Gqabi District.

Coordinates: -30.69771848968209, 26.707223531895032

Link: <https://maps.app.goo.gl/m6cKewhFjLufDLrK6>

3.5-2 Detailed Scope of Works:

A detail set of construction documentation forms part of the tender documentation and is attached as Annexure A

DETAIL SCOPE OF WORK

Erection of a high-security perimeter fence.

ORDER OF WORK AND SECTIONAL COMPLETION:

1. The contractor will need to agree to a programme of work with the EC DoH Hospital Facilities Manager
2. The works are to be completed within 4 weeks on site.

REMOVAL OF WASTE MATERIALS FROM SITE

1. Contractor shall remove all waste materials from site to an approved dump site.

GENERAL WORK REQUIRED:

1. All services are to be disconnected and reconnected by the contractor

REMOVAL OF WASTE MATERIALS FROM SITE

1. Contractor shall remove all waste materials from site to an approved dump site and provide certificates that it has been disposed of correctly.

1. Access and Egress:

- Access and Egress onto the site by both the main contractor and the public and staff of the facilities will be confirmed at the time of contract award.

2. Trade Names:

- Contractors are to familiarise themselves with the supplementary preambles in all instances contained within the BOQ document.
- Trade names for fixtures, fittings, finishes and other construction elements are specifically used because of the nature of the project.
- Proprietary items or materials where specified are to be brand specific or other approved. Approval may only be granted by the Principal Agent in writing.

C3.2 RESTRICTIONS AND CONSTRAINTS

- The completion of the project is urgent and work shall be executed during normal working hours i.e. 7h30 till 17h00 weekdays only. Work required to be executed outside of these hours must be arranged with the Facilities Manager and the Chief Executive of the hospital, in advance.
- Noise must be kept to a minimum and within acceptable levels at all times.
- All shut-offs and tie/cut-ins to existing services must be arranged in advance with the Facilities Manager and a methodology with appropriate mitigation of risks must be prepared by the contractor and submitted to the relevant Professional discipline in advance, for approval.
- Dust emanating from the work site must be controlled at all times.

C3.3 OPERATIONAL PROTOCOLS

- Security is a priority, and the site shall be kept safe at all times.
- The approved Health and Safety plan shall be adhered to at all times
- All staff members of the contractor shall wear PPE at all times
- All staff members of the contractor shall be specifically identifiable at all times and to this end shall wear a predetermined coloured overall to be able to enter and work on the site.
- Regular meetings, the frequency of which is to be determined, shall be held with the management of the hospital to always ensure a cohesive spirit of co-operation
- The successful contractor must take into account that other contractors may be busy with construction in close proximity to the works and allowance must be made in the contractor's submission to accommodate these parties.

C3.4 ACCESS AND SITE ESTABLISHMENT

- Prospective bidders are to fully familiarize themselves with the site and access to the site and restricted area for site establishment. Allowance for temporary construction access etc. shall be

deemed to be included in contractor's price/bid. Prospective bidders are to familiarize themselves with the site as no additional costs shall be entertained.

- No Contractor's representatives or workers are allowed to sleep at establishment area or within the facility.
- The Contractors are required to price for establishment, de-establishment and re-instatement in the Preliminaries section of the Bills of Quantities.

C3.5 ACCEPTANCE OF TENDERS

- The Employer is not bound to accept the lowest, or any tender, or any portion of any tender

C3.6 MINIMUM WAGE

- The Contractor shall adhere to "The national minimum wage determined by the Minister in accordance with the National Minimum Wage Act (NMWA)", and yearly pronounced increases for duration of contract.

C3.7 TEMPORARY WORKS

- All temporary work to comply with the Construction Health and safety Act (Act 85 of 1993) and its regulations and are confirmed and recorded under section C3.14 Occupational Health & Safety.

C3.8 DESIGN DETAILS

- Refer to architectural and engineering detail design drawings.

C3.9 EMPLOYER'S OBJECTIVES IN TO RELATION THE EMPLOYMENT OF LABOUR

- The Contractor must employ a minimum of 30% of the labour required from the Ward in which the project is located
- The labour targets for vulnerable/ designated groups are as follows:
Women 10 percent of total labour
Youth 18 percent of total labour
Persons living with disabilities 1 No.
Military veterans 1 No
- The Contractor shall ensure labour and community harmony on the project site and in the surrounding community. (Ward). The Contractor shall participate in all community engagement activities to promote harmony during the project.
- The Contractor is to complete the Construction Labour Forecast Schedule included in the returnable section of the Tender Document

GENERAL NOTES RELATING TO ELECTRICAL INSTALLATION

Installation electrician would be the required category for healthcare facilities, not single-phase tester.

However, if there are theatres (specialized electrical installations - 1 d) medical locations) involved in the project a master installation electrician is required.

Refer to the extract below for detail:

6.(1) No person may do electrical installation work as an electrical contractor unless that person has been registered as an electrical contractor in terms of these Regulations

(2) Any person who does electrical installation work as an electrical contractor shall register annually in the form of Annexure 3 with the chief inspector or a person appointed by the chief inspector.

(4) The chief inspector or a person appointed by the chief inspector shall register any person referred to in subregulation (1) as an electrical contractor and enter such registration into the national database:

Provided that such person(b) employs a registered person in a full-time capacity, or is himself or herself a registered person

11. (1) An application for registration as a registered person shall be made to the chief inspector in the form of Annexure 5 together with the registration fee prescribed by regulation 14.

(2) Any natural person who satisfies the chief inspector that he or she shall be registered as an electrical tester for single phase, an installation electrician, or a master installation electrician, as the case may be.

(3) The chief inspector shall furnish a registered person with the appropriate certificate of registration and enter such registration into the national database.

(4) A registered person shall on request produce his or her certificate of registration to an inspector, an approved inspection authority for electrical installations, a supplier or any person to whom he or she intends to issue a certificate of compliance.

C3.12 DESIGN BRIEF

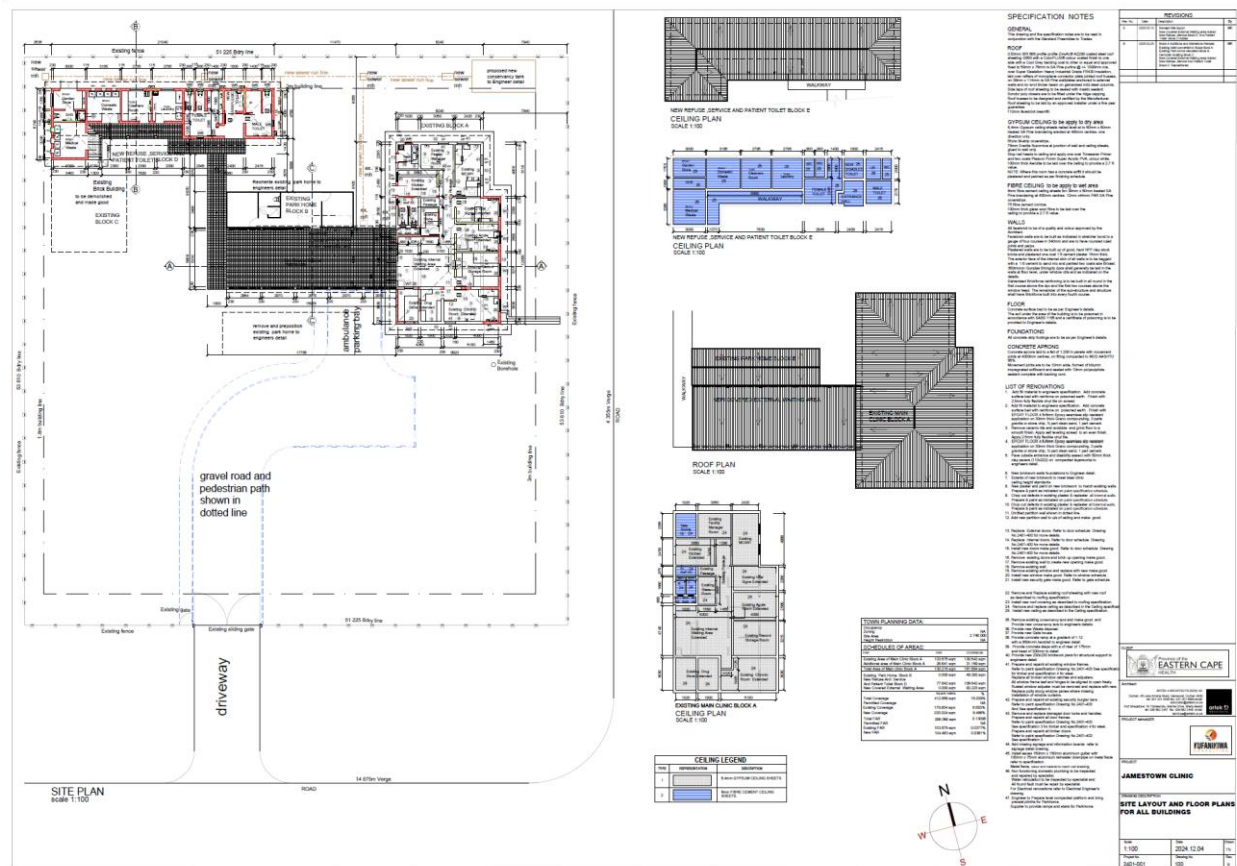
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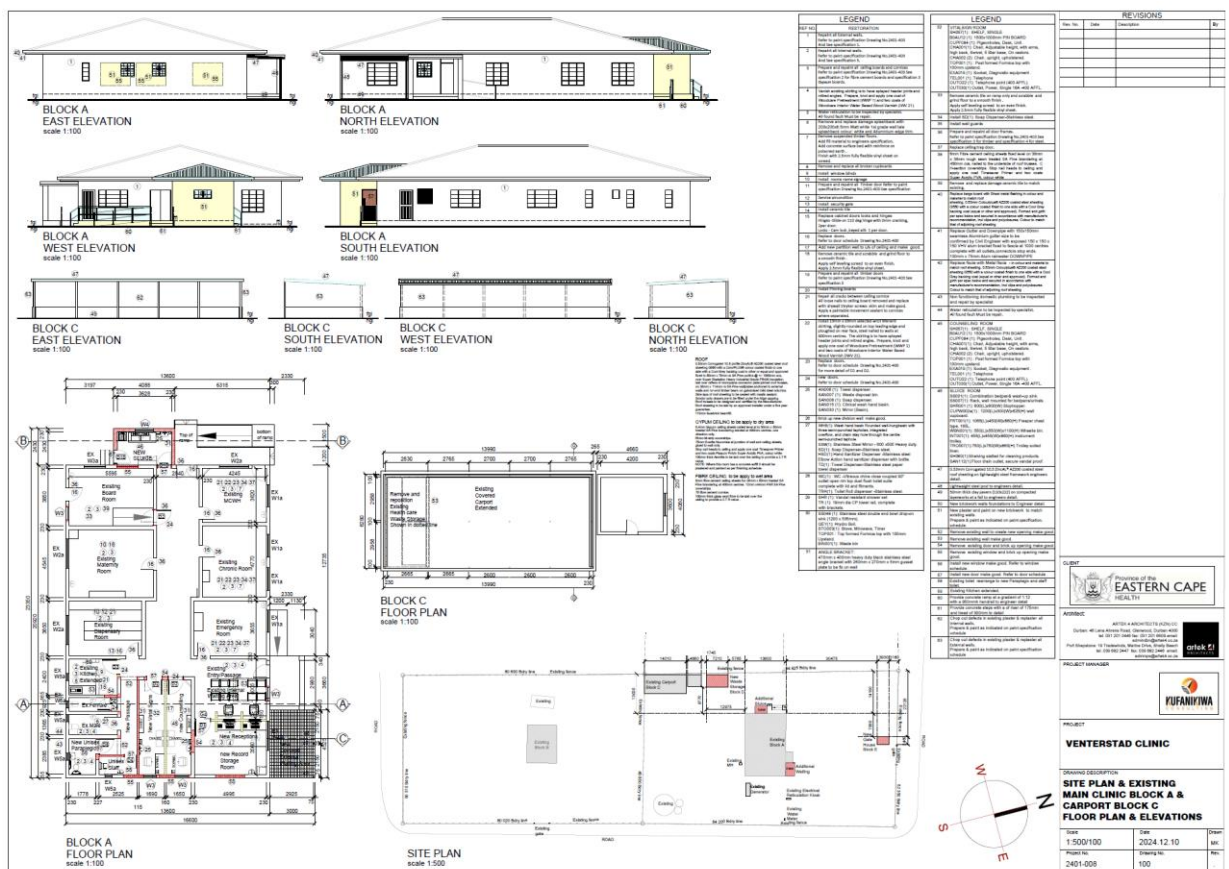
C3.13 DRAWINGS

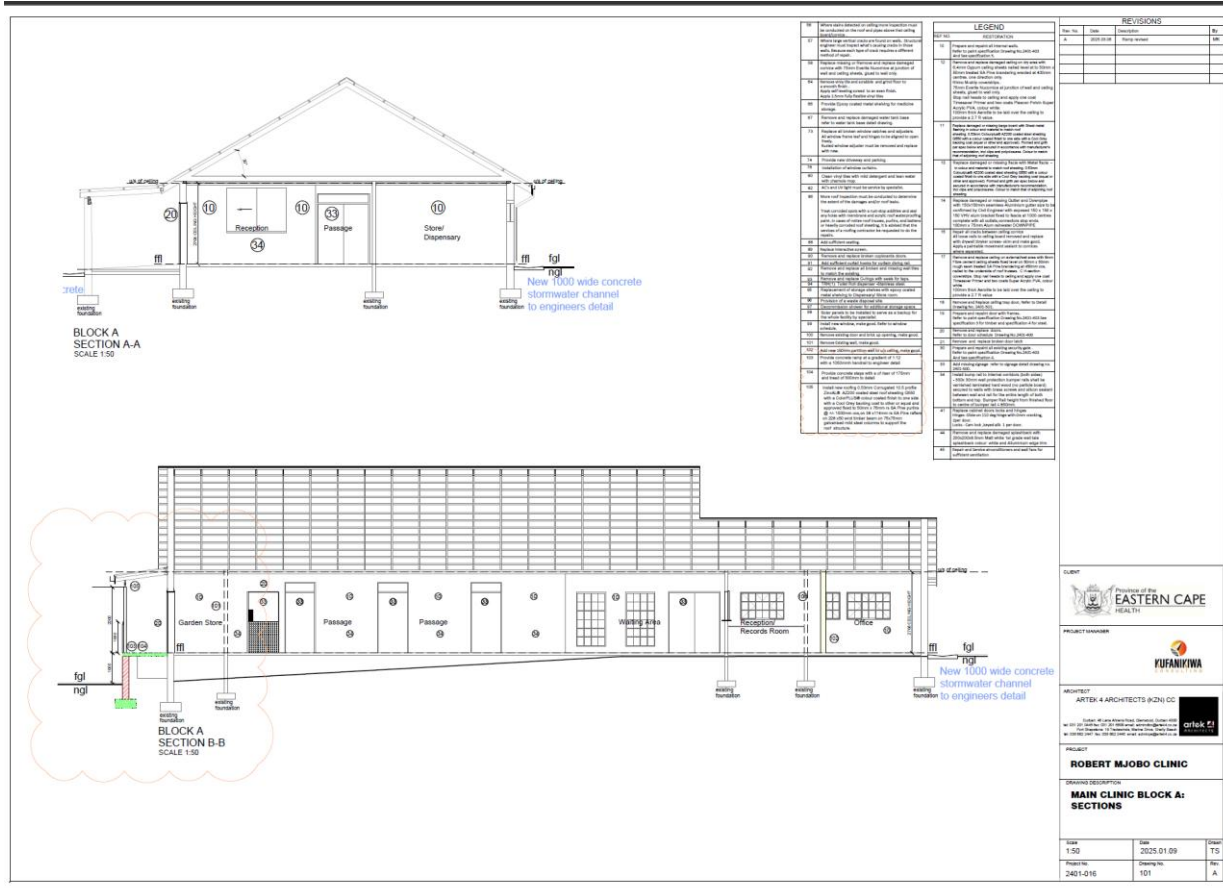
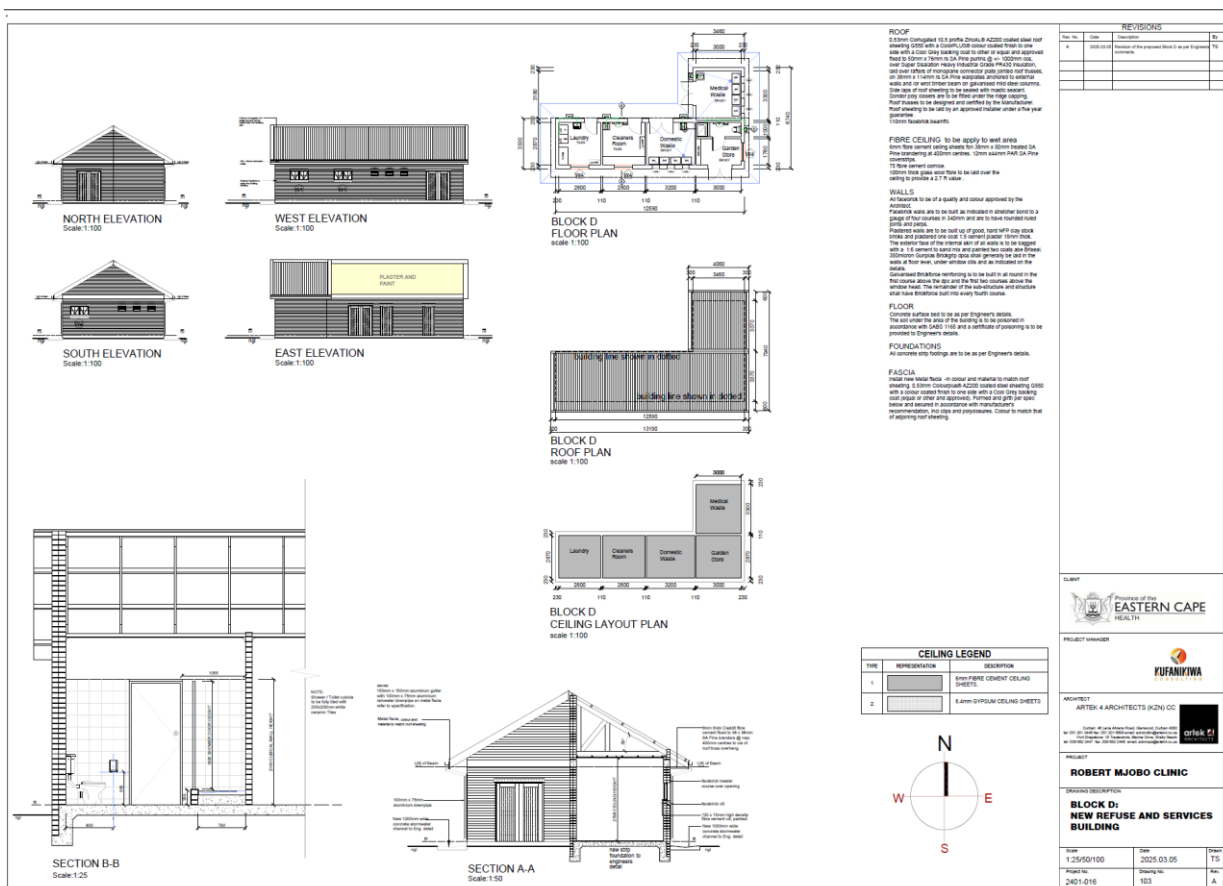
DRAWING DESCRIPTION	CONTRACT DRAWINGS – NUMBER	DATE
ARCHITECTURAL DRAWINGS		
REFERENCE NUMBER:		
Aliwal Poly Clinic -2401-001	SCMU3-2526-0212-JG	2024-12-04
Robert Mjobo Clinic – 2401-001/ 2401-016	SCMU3-2526-0212-JG	2025-01-09 / 2025-03-05
Venterstad Clinic – 2401- 008	SCMU3-2526-0212-JG	2024-12-10 / 2025-03-28
Sonwabo Zandile Clinic – 2401-003	SCMU3-2526-0212-JG	2025-03-14

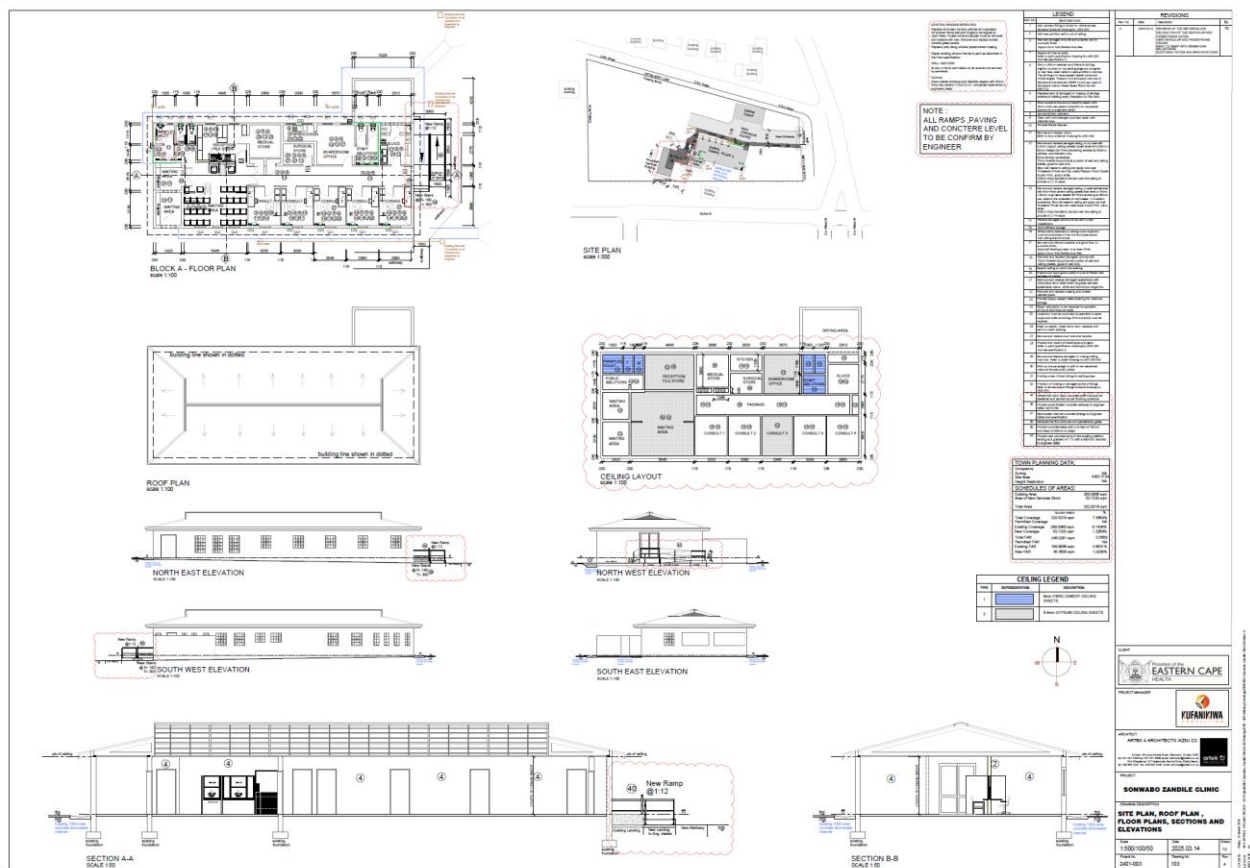
The full set of drawings are attached as Annexure A

ANNEXURE A – DRAWINGS









ANNEXURE B – OHS SPECIFICATION

Occupational Health and Safety Specification

**Issued in terms of the Occupational Health and Safety Act, 1993
Construction regulations 2014**

PROJECT NAME	REPAIRS, RENOVATIONS AND REFURBISHMENT TO SIX (6) FACILITIES IN JOE GQABI DISTRICT – WALTER SISULU AND SENQU SUB - DISTRICTS
LOCATION	VARIOUS FACILITIES IN JOE GQABI DISTRICT
DISTRICT	JOE GQABI
BID NO	BID NO: SCMU3-25/26-0150-JG

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	THE PROJECT'S DURATION IS APPROXIMATELY 15 MONTHS AND WILL FOLLOW THE GUIDELINES OF A CONSTRUCTION WORK PERMIT, ANNEXURE 1. THIS PERMIT REQUIRES COMPLETION AND SIGNATURES FROM THE CLIENT, CLIENT'S PRINCIPAL AGENT, AND THE CONTRACTOR. THE RESPONSIBILITY FOR APPLYING AND SUBMITTING THE CONSTRUCTION WORK PERMIT LIES WITH THE CLIENT OHS AGENT. 7	
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	THE CONTRACTOR MUST IMPLEMENT APPROPRIATE MEASURES TO ENSURE THE SAFETY OF THE PUBLIC AT ALL TIMES. THIS INCLUDES THE INSTALLATION OF ADEQUATE BARRIERS AND WARNING SIGNAGE AROUND THE WORK AREA. WORKERS ARE TO ACTIVELY DETER PUBLIC ACCESS TO HAZARDOUS ZONES. WHERE WORK INTERFACES WITH PUBLIC FOOTPATHS OR BRIDGES, THESE MUST BE CLOSED OFF OR MADE SAFE TO PREVENT INJURY. TRAFFIC MANAGEMENT SYSTEMS, INCLUDING SIGNAGE, MUST BE IN PLACE AT SITE ENTRANCES TO ALERT MOTORISTS OF CONSTRUCTION VEHICLE MOVEMENTS. ROADS LEADING TO THE SITE ARE TO BE KEPT FREE OF MUD TO PREVENT SLIP HAZARDS. REFER TO THE PLANT RISK ASSESSMENT FOR PLANT-SPECIFIC PRECAUTIONS. A SAFE MEANS OF ACCESS MUST BE ESTABLISHED AND AGREED UPON FOR BOTH CONSTRUCTION VEHICLES AND AFFECTED HOMEOWNERS.	

FURTHERMORE, ALL EMPLOYEES WHO MAY BE EXPOSED TO TB PATIENTS DURING THE COURSE OF THEIR DUTIES MUST BE VACCINATED AGAINST HEPATITIS B PRIOR TO COMMENCING WORK ON SITE. 13

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2 SCOPE

2.1 Site Specific Specification

This health and safety specification in respect to the scope of works as detailed in C3 of this document

- Provides the overarching framework within which the Principal Contractor is required to demonstrate compliance with certain requirements for occupational health and safety established by the Occupational Health and Safety Act 85 of 1993 during work;
- Establishes the way the Principal Contractor is to manage the risk of health and safety incidents during construction; and
- Establishes the way the Client's Health and Safety Agent will interact with
The Principal Contractor.

This specification establishes general requirements to enable the Principal Contractor to satisfy aspects of the Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) and the relevant related regulations. The Principal Contractor is required to develop, implement and maintain a site-specific health and safety plan. The Client is required to provide certain site specific information to the Principal Contractor or a health and safety specification for the works to enable such a plan to be formulated. Accordingly, this specification on its own cannot ensure compliance with the requirements of the Act.

A Client must stop any contractor from executing construction work which is not in accordance with the contractor's health and safety plan for the site or which poses to be a threat to the health and safety of persons.

3. DEFINITIONS

As per the Occupational Health and Safety Act (85 of 1993) and the relevant regulations and applicable standards.

3.1. List of Abbreviations

AIA	Approved Inspection Authority
BOQ	Bill of Quantities
CEO	Chief Executive Officer
CHS	Construction Health and Safety
CHSA	Construction Health and Safety Agent
CHSO	Construction Health and Safety Officer
COC	Certificate of Compliance
COIDA	Compensation for Occupational Injuries and Diseases Act
COLTO	Committee of Land and Transportation Officials
CR	Construction Regulations (Gazette 10113 of 07/02/2014)
DoEL	Department of Employment and Labour
FPP	Fall Protection Plan
GAR	General Administration Regulations
GSR	General Safety Regulations
ID	Identification Document
HASCHEM	Hazardous Chemicals
RHCA	Regulations for Hazardous Chemical Agent
HBAR	Hazardous Biological Agents Regulations
HIRA	Hazard Identification Risk Assessment
H&S	Health and Safety
NQF	National Qualifications Framework

OHSA	Occupational Health and Safety Act No. 85 of 1993 (as amended)
OHSS	Occupational Health and Safety Specification
PA	Principal Agent
CHSS	Construction Health and Safety Specification
POPIA	Protection of Personal Information Act
PSHSS	Project Specific Health and Safety Specification
PC	Principal Contractor
PPE	Personal Protective Equipment
PSP	Professional Service Providers
SABS	South African Bureau of Standards
SANS	South African National Standards (Authority)
SDS	Safety Data Sheet
SHE	Safety Health and Environment
SWP	Safe Work Procedure
UIF	Unemployment Insurance Fund

3.2. Key References

Occupational Health and Safety Act No. 85 of 1993 and Regulations (as amended)

Mine Health and Safety Act and Regulations No. 29 of 1996 (as amended)

Compensation for Injury and Occupational Diseases Act No. 100 of 1993 (as amended)

South African National Standards

Municipal Bylaws

4. INTERPRETATION

The Act and its associated regulations shall have precedence in the interpretation of any ambiguity or inconsistency between it and this specification.

4.1. Purpose of the Project Specific Health and Safety Specification (PSHSS)

The PSHSS is a performance specification to ensure that the Client and any bodies that enter into formal agreements with the Client / Agents, Professional Service Consultants (Engineers, Quantity Surveyors and Architects), Principal Contractor and Contractors achieve an acceptable level of OHS performance.

The absence of advice or approval for any document mandated by the PSHSS, such as hazard identification and risk assessments, or any communication from the Client should not be interpreted as the Client accepting any obligation that relieves the Principal Contractor of the responsibility to meet the required performance standards and comply with legal requirements. It is essential to note that the Client does not assume liability for any consequences arising from the Principal Contractor's failure to adhere to the PSHSS; thus, the Principal Contractor retains the responsibility for achieving the necessary performance levels and ensuring legal compliance.

A Mandatory Agreement in terms of Section 37.2 of the OHSA will be signed between parties prior to any works commencing. The PSHSS highlights the aspects to be implemented over and above the minimum requirements of current legislation. Requirements may be changed should new risks arise, work scope change or any other issues be identified that could not have been foreseen during the design phase of the project, or during the construction phase. Any new legislation or standards (legislated or determined by the Client) that are promulgated or accepted during the contract will automatically be applied.

It should be noted that this PSHSS in no way relieves the Contractor of any of his responsibilities set out in the Act and Regulations

4.2. Implementation of the Project Specific Occupational Health and Safety Specifications (PSHSS)

A project specific H&S specification will be subject to approval by the Client. This must include all supporting documentation as required to verify the H&S system. The OHS Plan must address the scope of works.

5. GENERAL REQUIREMENTS

5.1. Risks

Principal Contractor to provide a detailed risk assessment for the entire work on site. The items noted are for information only and must be expanded as required by the project.

Summary of Risk on site:

- a) Working within an operational hospital (sick people).
- b) Working at Heights.
- c) Lifting equipment
- d) Excavations
- e) Fire
- f) Flammable Liquids / Gas
- g) Fragile Materials
- h) Hazardous Substances
- i) Hot Works
- j) Members of Public
- k) Night Work
- l) Road Working – in or next to (including Traffic Management and site access)
- m) Snakes
- n) Underground Services
- o) Underpinning
- p) Piling
- q) Steel structure
- r) Biological risks
- s) Ergonomic risks
- t) Environmental pollution
- u) Weather related.
- v) Equipment and machinery
- w) Asbestos management

Existing structures on site and surrounding land use (with a significant impact on Health & Safety):

- a) Public Hospital Staff safety a concern.
- b) Security
- c) SMME (Construction Mafia)

5.2. Specified Hazardous Chemical Substances

The PC is to supply the products required as per the bill of quantities-, materials / safety data sheets (SDSs) for each of the product foreseen to be utilized on site. The South African SDS to be provided as per the new legislation.

The SDS data must be indexed, and a risk analysis done to indicate the risks related to each product in use. Training on this information must be given on site and risk controls implemented.

Please ensure that wastewater resulting from the cleaning of paint brushes is treated as hazardous biological waste and must not be disposed of directly into drainage systems. Implement a filtration system for the removal of paint waste. Additionally, ensure adequate ventilation systems are in place in areas where paint primer is applied to facilitate air circulation during painting activities. This may include the use of fans and opening windows to enhance ventilation.

6. OCCUPATIONAL HEALTH & SAFETY MANAGEMENT

Please refer to the scope of works as detailed in C3 of this document

6.1. Construction Work Permit

The project's duration is approximately 15 months and will follow the guidelines of a Construction Work Permit, Annexure 1. This permit requires completion and signatures from the Client, Client's Principal Agent, and the Contractor. The responsibility for applying and submitting the Construction Work Permit lies with the Client OHS Agent.

6.1.1. Health & Safety Training

The Principal Contractor must ensure that all his / her staff is adequately trained to perform the tasks allocated to them and that there is always the requisite amount of supervision to maintain safe work practices and standards, particularly where semi-skilled and unskilled personnel are involved. The contractor shall conduct a training needs analysis to ascertain what health and safety training, and re-training is required. No employees shall be allowed on site unless there is proof of induction training and identification.

Competency for the following is not negotiable; list is not limited to:

- Construction Manager and Assistant alternate Construction Manager, Competent person with a minimum qualification of NQF Level 5 with at least minimum of 5 years' experience.
- Health and Safety Officer must have NQF Level 5 and fully registered with SACPCMP with 3 years post experience to registration with SACPCMP.
- Temporary works planner and controller
- SHE Reps (certificate NQF Level 2)
- First Aiders (Level 1)
- Fire extinguisher Inspectors. (awareness training level 2)

- All appointed inspectors and supervisors must understand liability and duty of signing appointments.

6.1.2. Induction

The contractor shall conduct a site-specific health & safety induction for all the employees, contractors and visitors to the site.

Copies of the attendance registers signed by the attendees as acknowledgement of attendance are to be kept on site in the health & safety file for verification during inspections and Client Audits.

6.1.3. Awareness

The Principal Contractor shall conduct on-site periodic toolbox talks that cover the relevant activity and an attendance register, and the contents of the topics discussed must be kept on site in the health & safety file.

Proof of training requires proof of the lesson plan and employee signatories.

Safety notices and symbolic signs, including health and safety awareness posters must be displayed at the site entrance and at strategic positions on the site to create health and safety awareness.

6.1.4. Competency

The Principal Contractor shall send relevant persons to appropriate courses as required by the Act, relevant Regulations, and applicable safety standards. The type of training to be conducted will be determined after conducting a Hazard Identification and Risk Assessment (HIRA). Copies of training certificates must be kept on site in the health & safety file.

The training to be conducted is, but not limited to:

Health & Safety Representative Course.
First Aid Level 1 Training,
Incident investigation; and
HIRA Course.

Proof of competency to be attached to Appointment letters.

6.2. Organogram and Appointment of Competent Site Personnel

The CEO (OHSA S16.1) of the PC will take overall responsibility for the appointment of competent site staff for the duration of the project. Should the CEO not be personally involved in the project, the H&S responsibilities are to be delegated to the Acting CEO (OHSA 16.2). Knowledge and training in H&S are required, and certificates indicating H&S training as well as experience to be included in CVs.

All other legal appointments are to be made with relevance to the type of work to be performed.

Note: Please be aware that the construction manager is not permitted on this project to sign legal appointment letters. Only the 16.2 appointment may sign legal appointment letters.

6.3. Opening of multiple sites simultaneously

Given the geographic spread and operational demands of the various project sites, it is important to note that each site must operate independently with its own dedicated management team. No site may share resources, including supervision, equipment, or personnel, with another.

This measure is critical to ensure effective site-specific management, compliance with occupational health and safety requirements, and the safe execution of work on each location. Proper allocation of resources will also help in preventing delays, improving accountability, and maintaining safety standards consistently across all sites.

Contractors are therefore reminded to plan and staff each site accordingly prior to commencement of works.

6.3.1. Construction Manager (CR 8.1)

The Principal Contractor is required to formally designate a **full-time** competent individual specializing in civil construction works as the Construction Manager. This individual will be responsible for overseeing all construction activities at the designated site, including ensuring compliance with occupational health and safety standards. If the designated Construction Manager is unavailable, an alternate must be appointed, possessing appropriate training and/or experience in the relevant area of responsibility.

Upon the acceptance of the tender, the contractor is obligated to submit the Construction Manager's competency details in writing to the client for approval before commencing work.

Note: Please be aware that the construction manager is not permitted on this project to sign legal appointment letters. Only the 16.2 appointment may sign legal appointment letters.

6.3.2. Construction Work Supervisor (CR 8.7)

The Principal Contractor must in writing appoint construction work supervisor/s responsible for construction activities and ensuring occupational health and safety compliance on the construction site.

Note: Each project must have a dedicated, full-time supervisor appointed specifically for that project. No supervisor will be permitted to oversee more than one site.

6.3.3. Construction Health and Safety Officer (CR 8.5)

The Principal Contractor must appoint a suitably competent Construction Health & Safety Officer (CHSO) to co-ordinate his or her organization's health & safety efforts on the site.

The CV for the proposed CHSO must be submitted to the Client appointed CHS Agent for approval. The appointed CHSO must be **full time** and readily available on site during working hours. The CHSO must conduct monthly internal audits and random site safety, and equipment checks, including overall compliance with the site-specific construction health and safety plan and procedures, and compile a monthly CHSO report to be tabled at each site progress meeting. The CHSO must evaluate the contractors Health and Safety Plan.

The minimum qualification for the CHSO must be a matric certificate, NQF 5 qualification with at least two years and more experience on civil engineering and/or building projects.

The CHSO that the Principal Contractor intends to appoint **must be fully registered as a CHSO** with the SACPCMP and shall provide a valid registration with a letter of good standing with SACPCMP.

6.3.4. Health & Safety Representative / H&S Committee Member (OHS Act 17 & 19)

Irrespective of the number of employees employed on the site, the PC and contractors must each appoint a full-time health and safety representative, who at least has completed the necessary health and safety representative course. The election or appointment of health & safety representatives must be in writing.

Regular inspections are to be carried out by health & safety representatives; records must be kept on site in the health & safety file. Deviations must be rectified by the responsible person immediately.

The H&S representative will liaise and report to the health and safety officer.

It will be compulsory on this project to appoint a health & safety committee. Health and safety committee meetings must be held at least monthly to discuss relevant health & safety topics.

6.3.5. First Aider / First Aid Attendant

The Principal Contractor must appoint a Level 1 First Aid Attendant for the project and where practicable, one Level 1 First Aid Attendant for each work team or section of the works. The appointed Level 1 First Aid Attendant must be suitably qualified and have valid training certificates.

The Principal Contractor together with the responsible Level 1 First Aid Attendant must ensure that the first aid boxes(s) are available on site and fully stocked. General Safety Regulations must be applied. The First Aider must be always available and accessible on site and should form part of the rescue team.

6.3.6. Risk Assessor

The Principal Contractor is required to appoint a competent risk assessor that's full time on site and must understand the process of identifying hazards and assessing risks emanating from the identified hazards.

This appointed person can be an already designated health & safety officer that's full time on site because the task of assessing risks is an ongoing process and therefore risk review process must be done regularly.

There must be a direct link to the personal protective equipment / clothing and training to be conducted throughout the contract.

6.3.7. Appointment of Competent Contractors (CR7.1)

The Principal Contractor is to ensure compliance with the Clients minimum standards and all legislative requirements. The same H&S standards required of the PC are to be applied to all Contractors. A register of all Contractors and Suppliers is to be on file and kept updated at all times. The PC is to ensure there is sufficient funding for H&S compliance by each Contractor.

The following minimum aspects are applicable to any Contractor appointed:

- The CHSO is to ensure a contractor's appointment and approval of H&S documentation at least seven (7) working days prior to commencing work.
- No Contractor may work under the PCs Compensation Registration Number. If required, the PC may assist targeted subcontractors with their registration with the Compensation Commissioner. However, such Contractors will not be able to commence work until proof of registration or Letter of Good Standing has been received.
- No work may commence without the following documentation in place:
 - The Contractor is to have an appointment letter.
 - Mandatory (37.2) agreements between parties in place.
 - Valid letters of Good Standing or proof of application (not older than 3 months)
 - OHS Plan Approval Letter issued by the PC.

7. GENERAL RISK MANAGEMENT

7.1. Health Risks and Medical Surveillance

All personnel, including Contractor employees, must possess a medical fitness certificate issued by a registered Occupational Medical Practitioner before starting work. The commencement of Medical Certificate of fitness is scheduled during the pre-employment phase, and Annexure 3 should be on record.

Authorization to retain, share, and dispose of data must be documented under the Protection of Personal Information Act (POPIA).

Every worker, including those employed by Sub-Contractors, must have a valid medical fitness certificate before commencing work. No employed / contract worker will be allowed on site without a valid medical certificate of fitness. Annual medical surveillance is mandatory unless a more frequent schedule is specified.

Provisions for retaining medical records for the required duration should be duly acknowledged. Given the potential health risks the following aspects are to be included in each medical surveillance intervention:

- Full medical, surgical, and occupational history.
- Full physical examination of all systems, and
- Referral if required for the management of identified health issues that may affect the worker.

Specific testing for existing conditions and limitations relative to exposure could include, but are not limited to:

- Audiometry (hearing tests).
- Spirometry (lung function testing).
- Chest X-rays.
- Liver function testing (volatiles), and

Any other relevant tests should be identified as part of the project. It is recommended that the Principal Contractor (PC) implement a medical surveillance plan for workers. During any sewer connections or demolition activities, it is essential to ensure that all employees vaccinated against Hepatitis B virus. Appropriate allowances for this should be included in the Bill of Quantities (BoQ).

7.2. Emergency Procedures

An emergency plan and procedure that is appropriate to the risks is required prior to commencement on site. It is advised that the system should be simple and easy for any worker to follow.

The emergency plan is to ensure the inclusion of local service providers where possible. Such arrangements should be made with these persons prior to the commencement of the project.

Local emergency telephone numbers must be displayed and made part of the emergency procedure.

The general principals of emergency management are to be applied as it applies to the hierarchy of control and management. The PC must consult with the Client in preparation of the emergency as buildings will be operational.

7.3. Fires and Emergency Management

Giving due consideration to emergency planning and procedures is of utmost importance, particularly in addressing identified risks. The specific focus areas include:

The emergency plan aims to involve local service providers whenever possible, and these arrangements should be established before the project begins. The plan should comprehensively address on-site fire risks and those associated with specific activities.

Fire extinguishers, tailored to the potential risks, must be readily available in adequate numbers to address potential fire incidents. All plant must be equipped with fire extinguishers. No open fires are permitted on site, and designated smoking areas with controlled times must be provided for smokers.

Submit a comprehensive response plan outlining the steps and procedures to be followed in the event of emergencies or unforeseen situations. This should include detailed actions to address various types of incidents and potential risks.

Specify the individuals appointed as part of the response team, including their roles and responsibilities. Ensure that the team includes individuals with the necessary competencies, such as first aiders, to effectively manage emergencies.

Outline specific measures and protocols in place to address the potential risk of a disease outbreak. This should cover preventive measures, communication plans, and actions to be taken in case of suspected cases.

7.4. Incident Management and Compensation Claims

All incidents and accidents are to be investigated. All serious incidents involving any form of disabling injury or fatality are to be reported to the Designer (PA) /Client /CHS Agent immediately. This shall be confirmed in writing following the incident.

Proof of compensation claims, DOEL reports, and other relevant information must be on site for verification. All Occupational diseases to be reported to Compensation Commissioner.

7.5. Personal Protective Equipment (PPE) and Clothing

The PC is to provide PPE to all employees free of charge.

The wearing of the identified SANS approved PPE at all times is non-negotiable.

- Hard hats: Chin strapped hats must have a safety breaker strap.
- Protective footwear.
- Overalls that ensure worker visibility and Company worked for:
- Eye protection (as required)
- Attenuated hearing protection.
- Reflective jackets (no bibs);
- Respiratory protection (minimum of FFP2).
- Gloves.
- other necessary PPE identified from SDS's and/or risk assessments.
- PPE for Visitors

7.6. Occupational Health and Safety Signage

On-site H&S signage is required. Signage shall be posted up at fixed or temporary working areas, or other potential risk areas/operations. These signs shall be in accordance with the requirements of the General Safety Regulations or SANS requirements as amended. Signage is to be noted on the site drawings indicating where fixed/temporary signage is required.

- 'Hard hat area' or other PPE requirements noted.

- First aid box positions (including vehicles); and
- Fire extinguishers.
- Assembly Area
- Construction work in progress
- No Un-authorized entry.

Signs shall be posted at areas of work on site indicating that a construction site is being entered and that persons should take note of H&S requirements.

7.7. Induction of Employees and Visitors, General H&S Training

A simple, formal induction program is to be prepared which is site specific. Inductions must be carried out for all workers and visitors (including Client and PSP's) to the site. Record of induction must be kept for a period of 2 years.

DSTI training is required to ensure workers are familiar with the risks and H&S measures of the work or tasks to be done.

Penalties for non-compliance regarding induction is stipulated in penalty clause.

7.8. Access Control Measures

Access control measures apply to all individuals involved in the construction project, including contractors, subcontractors, suppliers, and visitors. The contractor is responsible for maintaining a secure, safe, and controlled environment within the client premises throughout the duration of the project. This includes strict adherence to safety protocols and proactive risk mitigation to protect staff, and all other occupants of the clients.

7.9. Protection of Members of the Public

The contractor must implement appropriate measures to ensure the safety of the public at all times. This includes the installation of adequate barriers and warning signage around the work area. Workers are to actively deter public access to hazardous zones. Where work interfaces with public footpaths or bridges, these must be closed off or made safe to prevent injury. Traffic management systems, including signage, must be in place at site entrances to alert motorists of construction vehicle movements. Roads leading to the site are to be kept free of mud to prevent slip hazards. Refer to the plant risk assessment for plant-specific precautions. A safe means of access must be established and agreed upon for both construction vehicles and affected homeowners. Furthermore, all employees who may be exposed to TB patients during the course of their duties must be vaccinated against Hepatitis B prior to commencing work on site.

7.10. POPI Act Policy, Procedure and Control

The PC will ensure that the companies control of information is known to all employees and that the employees had signed off on Medicals, Monitoring and Incident information being shared, and all other contractual information sharing requirements. All personal information collected for health and safety purposes will be handled in accordance with the Protection of Personal Information Act (POPIA). Such information will only be used for the intended purpose and will not be disclosed to unauthorized individuals or entities.

The Contractor must get consent before collecting any personal information, and individuals will be informed about the specific purpose for which their information is being collected or used. Personal information will be retained only for the necessary duration required for health and safety compliance purposes.

Each employee of the contractor is required to sign a declaration granting permission for us to capture photographs during audits and utilise them exclusively for reporting purposes to the client. (see declaration form Annexure C).

8. Communication On Site

All H&S communication during the project between the CHS Agent and the PC will be done through the PA/ Clerk of works/ Client and will be in writing, including the issue and responses to non-conformances and H&S audit results.

9. Care of Workers on Site (Welfare)

Adequate toilets, clean, safe drinking water and decent shelter must be always afforded workers. Welfare facilities ratio is 1 toilet for every 15 people. Male and female toilets must be separate and clearly marked. There must be separate toilets for man and woman.

Clean drinking water should be accessible to all employees continuously, with an emphasis on the importance of protecting this precious resource. Hand washing facilities must be provided with soap and hand sanitiser.

A sheltered eating area is required for on-site workers.

Moreover, an information board within employee facilities should be utilised to display audits and awareness notices. Department of Employment and Labour (DoEL) information must be prominently displayed and effectively communicated.

10. Discipline, Alcohol and Substance Abuse

All employees (management included) are to follow instructions given in the interest of H&S. Disciplinary action is to be imposed on those who do not follow such instructions or company rules or policies as well as the client's safety rules. Contractor to ensure not to interfere with clients' activities.

No individual is permitted to work or access the site while under the influence of alcohol or any substances that may jeopardize their own safety or the safety of others. Contractors are responsible for establishing an Alcohol Abuse Policy and implementing disciplinary procedures to ensure compliance with the policy.

11. Electrical Tools

The use of electrical tools involves potential hazards such as electric shock, burns, or fire. Safety measures include proper training on tool usage, regular equipment inspections, using tools with appropriate safety features, and following guidelines for electrical safety to prevent accidents.

12. Hoarding

Adequate hoarding to be done to reduce dust and noise and prevent public entrance to site. Security features must accompany the hoarding to maintain a secure environment for the existing occupants. Hoarding will be specified by the PA.

Please be advised that throughout the construction phases, the clients will remain fully operational. It is crucial to prioritize the quality, specifications, and placement of temporary hoardings to effectively contain dust and reduce noise levels.

13. Construction And Mobile Plant

The principal contractor must ensure that equipment in use is in good working order and fit for purpose. The PC must plan for access and egress, ensuring no unsafe situation or blocking of emergency routes occur unless planned for and coordinated with PSP.

14. Working at Heights

The construction of the guardhouse necessitates the implementation of a comprehensive fall protection and fall arrest plan in accordance with the project scope. Prior to commencing any work, it is imperative to formulate a working at heights fall protection plan, inclusive of a fall arrest plan, developed by a qualified professional. A competent individual, as per Unit Standard 229994, is required to develop a practical site-specific fall protection plan in accordance with CR 10. This plan must be submitted to the client appointed CHSA for evaluation and approval. A meticulous risk assessment must be conducted to identify and address potential hazards related to working at heights, including but not limited to falls, unstable surfaces, and adverse weather conditions.

To uphold safety standards, it is essential that all workers undergo thorough training and demonstrate competence in working at heights. Additionally, any ladders utilized must meet the SABS approved standards to ensure the safety of personnel during the project. Employees required to work at heights must be declared medically fit by an occupational health practitioner, and medical certificates must be obtained before commencing work at heights. The appointment of a competent person responsible for erecting, supervising, and inspecting scaffolding is crucial to ensure compliance with SANS 10085 standards. Additionally, fall arrest and fall protection equipment must be on-site and subjected to regular monitoring.

15. Delivery of Materials

The Principal Contractor (PC) is responsible for the proper management of all material deliveries to the site, ensuring coordinated stacking and storage. Dust generation should not cause a nuisance to the health facilities and surrounding communities.

Material stacking must be conducted in a controlled manner, with a focus on minimising wastage. Lay down areas should be cordoned off to manage multiple contractors effectively, ensuring the safety of everyone. All sand and dust-related materials must be securely enclosed to prevent wind-driven dust nuisances at the health facilities and surrounding communities.

Site Requirements

Site lay out plan indicating:

- Access and security controls
- Site Office
- Lay down areas.
- Parking
- Escape routes (emergency) and assembly points
- Fire extinguishers
- First Aid Equipment
- Waste
- Facilities

16. Paint Work

Please treat wastewater from cleaning paint brushes as hazardous chemical waste and avoid disposing of it directly into drainage systems. Instead, implement a filtration system to remove paint waste.

17. Excavation

The anticipated depth for excavations can be up to 1.5m. Excavations deeper than 1.5m need shoring or bracing. Although no overhead services were noted or anticipated, the contractor must remain vigilant in this regard. There are existing services.

The area being worked in needs to be properly barricaded or fenced off. Barricading must be done in such a manner that prevents people from falling into open excavations. Excavations should preferably not be opened beyond what can be worked on daily. **Danger tape or candy tape is not permitted to be used on site as a means of barricading!** Suitable material such as hard-plastic mesh (long durability) adequately supported and being able to withstand a normal person's weight and the elements (wind, rain) must be utilized as barricading.

All open excavations shall be kept clean (dewatered) of standing water.

18. Ergonomics

Conduct a thorough ergonomic risk assessment carried out by a qualified professional. Provide consistent guidance to workers regarding ergonomic considerations in tasks, equipment lifting, and repetitive movements.

19. Biological Waste and Hygiene Control

Implement strict control measures and procedures for Biological Waste and Hygiene Control throughout the project. Particularly, pay close attention to high-risk areas. This involves proper drainage, cleaning, and removal procedures for biological and chemical waste. Ensure the use of correct personal protective equipment (disposable PPE).

20. Wildlife and Insects and Vegetation

Before work begins, conduct a site-specific risk assessment to identify potential hazards related to wildlife, insects, and vegetation. This includes identifying areas with risks such as wildlife habitats, nests, or locations with dangerous plants or insect infestations (e.g., poisonous plants, venomous insects). Ensure all workers are informed about the identified risks and the procedures to mitigate them.

Workers should avoid disturbing or engaging with wildlife. Under no circumstances should they approach, touch, or attempt to handle wild animals. Be especially cautious of venomous snakes, aggressive animals, and other dangerous species. When working in areas where such wildlife may be present, workers must wear appropriate personal protective equipment (PPE). If hazardous wildlife is spotted, it should be reported immediately to the site supervisor, and a trained professional may need to safely remove the animal.

Educate workers on recognizing poisonous plants. Workers should avoid contact with these plants and always wear suitable PPE to prevent exposure.

21. ELECTRICAL

In addition to the requirements of the Electrical Machinery Regulations and the General Machinery Regulations any electrical distribution board used for construction work shall be fitted with suitable earth leakage protection.

Leads must be properly and firmly connected.

Plugs and sockets shall be in good and safe condition.

All electrical apparatus, other than electrical hand tools, shall have a physical "lock out" system which will prevent any operation other than that authorized by a supervisor.

A "lock out" sign shall be displayed when the apparatus is not in use.

Method statements and safe work procedures will be required for all work involving electrical apparatus.

22. DEMOLITION WORK

All demolition activities must be carried out in accordance with a current, site-specific demolition method statement. This method statement must be prepared by a competent person and approved by site management, and a competent structural engineer. The demolition process must fully comply with the requirements of Construction Regulation 14.

No structural elements may be removed, altered, or interfered with without the written approval of a competent engineer responsible for structural integrity.

Emergency procedures must be clearly established, communicated to all personnel, and visibly displayed on site prior to the commencement of any demolition work.

Only trained and competent personnel shall be allowed to perform demolition activities. At all times, safe access and egress must be maintained for workers and emergency response.

All workers must wear suitable and sufficient Personal Protective Equipment (PPE), including head, eye, and skin protection relevant to the specific demolition hazards.

The contractor must implement effective dust suppression and noise reduction measures prior to and during demolition activities. Waste and rubble must be removed from site as soon as possible, with registers kept up to date. Proof of legal disposal of all demolished material must be submitted and kept on record for auditing purposes.

23. Asbestos Management

In the event that asbestos is discovered on site, the contractor must immediately cease work in the affected area and notify the client and relevant authorities. An approved asbestos removal contractor must be appointed to assess, manage, and safely remove the material in accordance with the Asbestos Abatement Regulations, 2020 (as amended). All work involving asbestos must be carried out in accordance with applicable legislation, including proper risk assessments, use of personal protective equipment (PPE), air monitoring, and medical surveillance where required.

24. HAND TOOLS

No handmailed or damaged tools may be used on site.

The Principal Contractor needs to exercise control over all contractors on site. Hand tools may only be used for its intended purpose.

A competent person must be appointed to inspect hand tools monthly.

Inspections need to be recorded on a register and each tool identified with a unique number. Inspection of equipment and tools.

The following items of equipment must be regularly inspected and maintained and appropriate records kept.

1. First Aid dressing registers
2. Fire equipment
3. Portable electrical equipment
4. Stacking and storage inspections
5. Regulations for Hazardous Chemical Agents (RHCA)
6. Ladders
7. Excavations
8. Construction vehicles and mobile plant.
9. Health and Safety Representatives checklists

25. LADDERS AND LADDER WORK

The Principal Contractor shall appoint a competent person in writing to inspect all ladders monthly and record such findings in a register.

Ladders are to extend one meter above a landing and must be secured at the top and have a secure, non-slip base.

All ladders that do not comply with Health and Safety standards are to be removed from the site immediately.

26. Electrical and Mechanical Work

Electrical work and mechanical work are exclusively to be executed by individuals recognised as competent in their respective fields. Strict adherence to safe work procedures is mandatory, with continuous monitoring by competent personnel. Any electrical installations and mechanical works necessitating a Certificate of Compliance (COC) must only be overseen by an appointed person duly approved by the Electrical and Mechanical Engineer. Non-compliance with these directives may result in legal consequences. The electrical contractor must be registered with the Department of Employment and Labour (DOEL), and the competent person on-site must match the registered name. Their competency to manage required voltages needs verification, along with proof of competence.

Competent person must issue Certificates of Compliance (COC), cover temporary electrical installations and mechanical installations and provide a temporary disconnection certificate with a lockout procedure for demolition and refurbishment work.

All electrical and mechanical installations must adhere to the Health and Safety Act, Construction Regulation 2014, Electrical Installation Regulations (EIR), and relevant standards. Specialised contractors must handle such work, and compliance with Regulation 7 of Construction Regulations 2014 is mandatory when appointing them.

27. Non-Conformances

Should, at any time, the works, or part of the works, be stopped due to unsafe acts or non-compliance with the Clients OHS Specification or PCs H&S Plan; the PC shall have no claim for extension of time or any other compensation.

28. Health And Safety File

As required by Construction Regulation 7, the Principal Contractor shall keep and maintain a Site Health and Safety File where all relevant health & safety records will be kept, including the Site-Specific Health & Safety Plan, and the relevant construction risk assessments as referred to above. Other relevant information includes but not limited to:

- a) Client Site Specific Health and Safety Specification and HIRA

- b) PC appointment letter
- c) Signed 37.2 Mandatory Agreement
- d) PC approved OHS Plan and approval letter.
- e) Notification of Construction Work
- f) OHS Administrative statutory documents:
 - Valid Letter of Good Standing with the Workmen's Compensation Commissioner
- g) OHS Policies and procedures signed by the CEO, dated with a review provision.
- h) Other Policies (POPIA, Alcohol Abuse, Drug Abuse, HIV/Aids, Smoking, Environmental, Waste Management, PPE, Competency)
- i) Organogram with appointments, competencies, and statutory registrations
- j) HIRA for proposed site activities and works.
- k) Safe work procedures / Methodologies/ Plans: inclusive of but not limited to:
 - Noise reduction plan
 - Dust control
 - Waste management plans
 - Facility management and planning for safe access to the works areas.
 - Demolition plan
- l) Induction program
- m) Training and toolbox talks. Upliftment of competency requirements as required for this works.
- n) Inspection registers with appropriate policies and procedures
- o) Emergency management, relevant contact numbers.
- p) Hazardous Chemical management
- q) Construction environmental management system
- r) Laws and Regulations
- s) Communications
- t) OHS Committee
- u) Sub-Contractor Management
- v) Employee medical monitoring:
 - OHS Medicals fit for work.
 - Employee ID; s
 - Assessment for work at heights
 - Ergonomic surveys
 - Proof of UIF payments
- v) Incident Management:
 - Procedures
 - General monthly incident management register
 - Annexure 1
 - COIDA forms
- u) Audits
 - Internal
 - Subbie Audits
 - CHSA Audits and Inspections

29. Project Close Out Requirements

The documentation submitted and approved following the awarding of the contract will be used to form the H&S file. On completion of the project, a consolidated health and safety file consisting of the following documents but not limited to, shall be submitted to the client appointed CHSA:

- The H&S Plan and the approval by Client.
- PC Appointment Letter.

- Mandatory Agreements with Clients.
- Notification of Construction Work
- Record of Competencies (CVs) and appointments (close out of appointments).
- Training Records.
- Method statements.
- Risk assessments.
- Safe work procedures and specialized plans.
- Emergency and Injury Management (Accident Stats and Investigations);
- Medical surveillance records.
- Registers and Checklist.
- Internal H&S Audit Reports.
- Contractor H&S Audit Reports.
- Non-Conformance Reports.
- COC's
- Any other documents which may be required by the appointed CHSA.

The file must be submitted for close out and sign off by the CHSA, and then submitted with a performance close out report to the Client for storage.

30. Penalties

The Client, Pr. CHSA, PA observing an unsafe act or practice reserves the right to stop work, and issue non-conformances when SHE violations are observed, for both PCs and/or their Contractors. Expenses incurred as a result of such work stoppage will be for the PCs account.

Penalties shall be enforced on the principal contractor for SHE related non-conformances identified for both the Principal Contractor and/or his/her sub-contractor(s) and/or supplier(s) pertaining to this contract on SHE requirements.

Penalties applied will be according to the following tables and where issued, the amount indicated on the non-conformance will be deducted from the certificate of the PC. Failure or refusal on the part of the PC or their Contractors to take the necessary steps to ensure the safety of workers and the general public in accordance with these specifications or as required by statutory authorities or ordered by the engineer, shall be sufficient cause to apply penalties.

In cases where a penalty has been issued and the contractor provides reasonable evidence to support the non-issue of the penalty, the client or PA may withdraw the penalty.

SHEQ-Contractor Management	Value Of Contract (Excl. VAT.) in millions R				
DELAYS ON ITEMS ATTRACTING PENALTIES	<1	≥1<5	≥5<20	≥20<50	≥50
a) If SHE non-conformances, corrective actions, and preventative actions are not resolved within the agreed target dates, and the delay exceeds 5 days, a daily penalty in Rands will be applied for each day the contractor remains non-compliant.	1,000	5,000	10,000	10,000	10,000
b) Non-reporting of incidents and statistics within the shift (Rands)	1,000	5,000	10,000	10,000	10,000
c) Repeat SHE non-conformances (Rands)	2,000	10,000	20,000	20,000	20,000
d) Work on site without Core Employees (OHS Officer and Construction Manager permit on site)	2,000	10,000	20,000	20,000	20,000
e) Overtime Work without the required approvals (Rands)	2,000	10,000	20,000	20,000	20,000

Over and above the details relating to the penalties noted in the SHE Management System, and Tender document, spot fines will be issued as follows, according to 'minor', 'medium' or 'severe' non-conformances.

The term "count" refers to the number of non-conformances or issues, so if there are multiple unresolved issues, the penalty would be calculated by multiplying R5 by the total number of issues that are still non-compliant past the agreed target date. For example, if there are 3 non-conformances unresolved, the total penalty would be 3 x R5 = R15.

MINOR:			MEDIUM			SEVERE		
Value of Contract (Excl VAT.) in millions R			Value of Contract (Excl VAT.) in millions R			Value of Contract (Excl VAT.) in millions R		
<1	≥1<5	≥5<20	<1	≥1<5	≥5<20	<1	≥1<5	≥5<20
Penalty: R5/count			Penalty: R/count and a non-conformance			Penalty: R/count, a non-conformance and/or activity stoppage		
R 10	R 25	R 50	R 25	R 250	R 500	R 250	R 2500	R 5000
<i>Non-use of PPE supplied</i>			<i>Toilets not supplied or regularly serviced; lack of drinking water</i>			<i>Contractors working without Health and Safety Plan approval</i>		
<i>Non completion of registers for plant and equipment on site</i>			<i>Contractors not audited</i>			<i>Workers transported in contravention of the OHS plan or legal requirements</i>		
<i>Lack of H&S signage at work areas</i>			<i>Working without training or the appropriate, approved H&S method statements</i>			<i>Invalid Letters of Good Standing</i>		
<i>Tools and equipment identified in poor condition during inspections</i>			<i>Legal non-conformances identified during the previous audit and not addressed within the agreed time frame</i>			<i>Non-compliance with traffic accommodation requirements: layout or physical conditions</i>		
			<i>No monthly OHS report at site meeting to report on</i>			<i>Any serious breach of legal requirements</i>		
			<i>No certificates of fitness for workers as required</i>			<i>Work on site without Core Employees (OHS Officer and Construction Manager permit on site)</i>		

Absence of the reference to a possible penalty for non-conformance does not mean one cannot be issued. All aspects will link to legal non-compliance or risks identified in the SHE Specification or work being done at the time. The 2 forms of penalties will be used together, with immediate penalties issued as they apply.

In addition, a time-related penalty of R500,00 per day over and above the fixed penalty may be deducted for non-compliance to rectify any non-conformance within the allowable time after a site instruction to this effect has been given by the Designer. The site instruction shall state the agreed time, which shall be the time in hours for reinstatement of the defects. Should the Contractor fail to adhere to this instruction, the time-related penalty shall be applied from the time the instruction was given

ANNEXURE A

CONTRACTORS MONTHLY HEALTH AND SAFETY REPORT

(To be submitted by the end of the first week of each month and be available with each audit)

CONTRACT NUMBER:		PROJECT NAME:	CONTRACT DETAILS:
1	GENERAL ACTIVITIES FOR THE MONTH (Detail each area of work)		
2	NUMBER OF WORKERS (permanent and local, contractors)		
3	TRAINING DONE (Supplier, no of people, type)		
4	INCIDENTS / ACCIDENT (List number and details, attach reports)		
6	NON-CONFORMANCES (Closed out or active)		
7	CONTRACTORS (list, approval status)		
8	AUDITS COMPLETED (internal and external)		
9	CRITICAL ISSUES		
10	GENERAL		

Health and Safety Officer: _____

Signature: _____ Date: _____

Construction Manager: _____

Signature: _____ Date: _____

Annexure B: OHS BUDGET

OCCUPATIONAL HEALTH & SAFETY ESTIMATE					
CONSTRUCTION WORK PROJECT					
ITEM NO	DESCRIPTION	UNIT	QTY	RATE	TOTAL
1	Occupational Health & Safety, incl. HBA				
1.1	Preparation of the Contractor's site-specific Health and Safety Plan & Risk Assessment Health and Safety File in Hard Copy. (Include sub-contractors OHS File compliance)	Sum			
2	Provision of Personal Protective Equipment (PPE) Note: Tenderer to provide quantity for full component of staff for contract period				
2.1	Reflective vests with visible marking of contractor's name and proof of induction	Item			
2.2	Hard Hats (High Density polyethylene, & 6-point lining)	Item			
2.3	Safety boots/shoes (Steel-Toe)	Item			
2.4	Earplugs/muffs	Item			
2.5	Dust Mask (at least FF2 type)	Item			
2.6	Safety gloves	Item			
2.7	Ear Defenders SABS approved	Item			
2.8	Overall/work suit (100% Cotton)	Item			
3	Competent Personnel				
3.1	Provision of a Full Time Construction Health and Safety Officer (SACPCMP Registered)	Month			
3.2	Construction Manager	Sum			
3.3	SHE Representative OHS Section 17	Sum			
3.4	Competent scaffolding supervisor, erectors. Etc				
3.5	Competent Formwork Supervisors and erectors				
3.6	Competent Fall Protection Plan Developer				
3.7	Work at heights training for all employees working at heights				
3.8	Level 3 First Aider				

4	Cost of medical certificates and medical surveillance per employee Note: Tenderer to provide quantity for full component of staff for contract period				
4.1	Initial (baseline) medical examinations	Item			
4.2	Provision of First Aid Boxes to GSR requirements	Item			
4.3	Working At heights medicals				
4.4	Working at heights fall arrest equipment				
4.5	OHS Signage (safety, health, First Aiders, Office, PPE, etc)	Sum			
4.6	Fire and emergency prevention signage	Sum			
4.7	Vaccination (sewer works)	Sum			
5	Adhoc: Any OHS & HBA related requirements not listed above				
5.1	Printer, Paper and Ink, consumables, soap	Sum	1		
5.2	Waste bins	Item			
5.3	Under cover eating area	Item			
5.4	Hoarding and netting	Sum			
5.5	Close out H& S files scanned electronically with original files to CHSA.	Sum	1		
SUBTOTAL TAKEN FORWARD TO THE PRELIMINARIES					

This list is not exhaustive, and contractors may expand all levels to include all relevancy H & S expenditure

The Clients Principal Agent Approval:

Name: _____

Signature: _____

Date: _____

FOR PRINCIPAL CONTRACTOR

Principal Contractor Representatives Acceptance: Name:

Signature: _____

Date: _____

Annexure C: PoPIA Declaration form

DECLARATION FORM: PERMISSION TO CAPTURE PHOTOGRAPHS DURING AUDITS

I, [Name of the Individual], hereby grant permission to [Your Company Name], hereinafter referred to as "the Company," to capture photographs during audits conducted on [Date(s)] at [Client's Name/Location]. I understand that these photographs will be utilized exclusively for reporting purposes to the client.

I acknowledge and agree to the following terms and conditions:

1. **Purpose of Photography:** The photographs captured by the Company during the audits will be used solely for the purpose of documenting and reporting on the audit findings to the client.
2. **Exclusivity:** I understand that the photographs taken will be used exclusively for reporting purposes to the client and will not be shared, sold, or utilized for any other purpose without my explicit consent.
3. **Confidentiality:** The Company agrees to treat all photographs as confidential information and will take appropriate measures to ensure that they are not disclosed to any third party without the consent of the undersigned.
4. **Duration of Permission:** This permission is granted for the duration of the audit conducted on [Date(s)] and includes any subsequent reviews or follow-up audits directly related to the initial audit.
5. **Withdrawal of Consent:** I reserve the right to withdraw this permission at any time by providing written notice to the Company. In the event of withdrawal, the Company will cease to use the photographs for reporting purposes.
6. **Indemnity:** I agree to indemnify and hold the Company harmless from any claims, actions, damages, or liabilities arising out of the use of the photographs in accordance with this declaration.

I have read and understood the terms and conditions outlined in this declaration. By signing below, I affirm my consent to the capture of photographs by [Your Company Name] during the specified audits for reporting purposes to the client.

Individual's Full Name: _____

Signature: _____

Date: _____

[Witness Section, if applicable]

Witness's Full Name: _____ **Signature:** _____

Date: _____

Annexure D: Baseline Risk Assessment

BASELINE HAZARD IDENTIFICATION AND RISK ASSESSMENT												
CLIENT / EMPLOYER				EASTERN CAPE DEPARTMENT OF HEALTH								
PROJECT / CONSTRUCTION SITE & EXACT LOCATION OF THE WORKS				REPAIRS, RENOVATIONS AND REFURBISHMENT TO SIX (6) FACILITIES IN JOE GQABI DISTRICT								
Hazard & Risk Identification				Raw Risk Evaluation			Risk Control Measures & Residual Risk Rating					
1a.	1b	1c.	1d.	2a.	2b.	2c.	3a.	3b	3c	3d	3e	3f
S/N	Work activity	Hazard	Consequential Risk / Possible Accident / Ill health to persons, fire or property loss	Severity	Likelihood	RPN*	Risk Control Measures	Severity	Likelihood	RPN*	Responsible Party/ Person	Remarks/ flags
SITE SPECIFIC RISK ASSESSMENT												
1	Permit: Value.	Principal Contractor not submitting the required documentation timeously. Client information delays	Delayed submission of documentation to the Department of Employment and Labour resulting in project delays. Cost impact	4	4	16	Principal Contractor to begin with document preparation immediately after formal appointment and ensure completed notice to DOL in the SHE File.	2	2	4	N/A	Manage: CHSA applies
2	Gaining access to site. OHSA 8.9.12.15.	Restricted access to site where employees will be placed in an area where they have to cross road traffic zone. (Parking and/or delivery areas) Work in an active health care facility with emergency vehicle needs, Confined work areas: restricted storage of materials,	Injuries and illness, Financial loss, loss of reputation, time, project	4	3	12	Proper layout of site by Construction Manager, taking into consideration all transport plant and material movements and storage on site. Construction Manager to check layout Drawing to compare with the requirements of the OHS Act and other relevant regulations. Strict control on decanting and phasing needs of the project.	2	3	6	8.1 & 8.5	Manage: Special focus on emergency needs
3	Site security and safeguarding	Lack or absence of access control. Lack of Covid 19 access control Inadequate security controls. Loss of client documents and processes Fire Lack of Covid monitoring at access point. Public Liabilities.	Theft and delays. Loss of contract, finance. Life. Covid 19 transmission	5	5	25	Security guards to be appointed to keep watch. No smoking in works areas, Police clearances, supervision, work scheduling. Symbolic safety signage. Covid warning for PC: Signage that states: DO NOT ENTER IF SYMPTOMATIC: TEST.	3	3	9	Principal Contractor	To be monitored and implemented on an ongoing basis
4	Storage of flammables GSR 4 & Cr25.	Unsafe storage of flammables. Mixing polymers, combustibles and flammables' Public liability. (Medical gasses, LPG and Fire defensive cylinders)	Risk of fire, explosions resulting to burns to the body or even multiple fatalities. Fire spreading to adjacent structures. Loss of material and loss of health care functionality. Serious damages to property. Loss of finance, reputation and project.	5	4	20	Flammable store to be well ventilated and fitted with a roof to protect from direct exposure to sunlight. Access control to stores. Signage and warnings HCS Supervisor / Controller to be designated in writing. Induction of workers and visitors. No smoking. Safe transit of goods.	5	1	5	Principal Contractor	Proceed with care.
5	Electrical Installations Temporary electrical installations CR 24 and ER, EMR	Incompetent and/or unregistered electricians. Incorrect/unsafe installations. Damaged cables. Exposed wires. Failure to ensure lock out and dead conditions on major electrical servers: Generator, UPS and E. Supply, Lack of lock out. Underground and overhead services. Lack of COC's. Lack of health facility functionality. Not following latest drawings	Electrocution, fires. Serious damages to property. Serious injuries, possible fatalities. Loss of finance, reputation, project.	4	3	12	Installation to be done by a competent registered electrician or registered electrical contractor. Electrical Installations Inspector to be designated in writing and registered with DOL. PC to ensure dead conditions prior to work activity and demolition. Lock out procedures as required. COCs and lock out where required. Phasing program to be followed strictly. follow latest drawings.	4	1	4	Principal Contractor	Proceed with care. Additional control is advised. Temporary Electrical Installations Inspector to monitor and control.

Hazard & Risk Identification				Raw Risk Evaluation			Risk Control Measures & Residual Risk Rating					
1a.	1b.	1c.	1d.	2a.	2b.	2c.	3a.	3b.	3c.	3d.	3e.	3f.
S/N	Work activity	Hazard	Consequential Risk / Possible Accident / Ill health to persons, fire or property loss	Severity	Likelihood	RPN*	Risk Control Measures	Severity	Likelihood	RPN*	Responsible Party/ Person	Remarks/ flags
6	Availability of basic facilities and emergency services / equipment. CR. 29, 30.	Not having the essential services readily available. Not having a plan. Not co-ordinating plan with health care facility, not communicating plan, not doing exercises. Not taking care when unknown services may be present.	Worsening of first aid injuries. Detrimental health to employees. Spread of fires, disease and increased incident risk. Loss of finance, reputation, project	4	3	12	Plan, Provide and implement. Practice. Ensure that exercises are done to check that a plan is relevant and review emergency risk daily in DSTI's. ensure emergency plan is coordinated with health care facilities emergency escape plans and that it is included in the induction. Ensure alarm is audible.	3	2	6	Principal Contractor	Proceed with care.
7	Public safety OHS 8.	Transmission of Covid Lack of safety hoarding and works controls. Lack of managing deliveries. Lack of access control. Lack of sticking to decanting and phasing plans. Lack of responsible.	Injuries to persons and / or the public. Public liability / court claims. Transmission of Virus, death. Loss of time, reputation and monies.	4	4	16	Induction of workers and visitors. Symbolic safety signs and notices. Work scheduling and traffic routes planned and controlled. Covid 19 controls. Identity of company employees work for on overalls. Worker controls.	3	3	9	Principal Contractor	Proceed with care. Remedial actions to be taken at appropriate times.
8	Designation of laydown areas	Site is spread out, With inadequate space various materials will be stacked on top of each other causing unstable stacks. Lack of cleaning of material and equipment, poor maintenance and control of areas; Lack of planning for delivery truck space and access. condition of internal roads. Impact on health care facility functionality	Unstable stacks of materials may fall onto persons resulting in serious injuries / even fatality. Lack of finance, resources, reputation and project.	5	3	15	Site camp to be clearly demarcated considering project requirements. Laydown areas to be sufficient in size and controlled. Timber poles and/or other suitable base material to be available to stack materials on. Laydown areas to be of firm level ground. Laisse with Client and plan. Do not allow demolition rubble, deliveries to crowd access or build up, resulting on health care facility functionality breakdown. Be careful of health care clientele, age and needs.	5	2	10	Principal Contractor	Proceed with care. Remedial actions to be taken at appropriate times. Be-aware of dynamic risk impacts and unforeseeable conditions.
9	Condition of ablution facilities.	Illegal facilities: pit latrines. Unclean and unhygienic ablution facilities. Non-ventilated ablution facilities. Mosquitos and odour customer complaints.	Possible health problems due to propagation of germs. Hep A & C _ illness. Loss of time, money, reputation, project.	3	4	12	Toilets are to be well ventilated and kept clean and hygienic at all times. Water for washing of hands to be readily available. PC to discuss porta loo from registered supplier or building ablutions and connecting into structural sewer as arranged with PA, secure privacy of facilities.	1	2	2	Principal Contractor	
10	Poor waste management	Poor waste management on site. Poor housekeeping, Demolition waste build up	Loss of life. Loss of material, time, finance, reputation. Public liability risks.	3	4	12	Good housekeeping and waste disposal always in work areas and laydown areas. PC will have to ensure that demolition rubble is correctly timorously disposed off.+ New build materials to be placed in work areas in a safe manner.	2	1	2	Principal Contractor	Require a waste disposal Method statement.

Hazard & Risk Identification				Raw Risk Evaluation			Risk Control Measures & Residual Risk Rating					
1a.	1b.	1c.	1d.	2a.	2b.	2c.	3a.	3b.	3c.	3d.	3e.	3f.
S/N	Work activity	Hazard	Consequential Risk / Possible Accident / Ill health to persons, fire or property loss	Severity	Likelihood	RPN*	Risk Control Measures	Severity	Likelihood	RPN*	Responsible Party/ Person	Remarks/ flags
11	Selection of workers / staff for site. Statutory compliance relating to PC business and employment practices.	Employees medically unfit and incorrectly placed for job categories. Vulnerable employees. Fear of reporting illness and incidents. Lack of Community input, unrest	Accidents resulting in injuries and/or damage to property. Loss of finance, time, reputation, project.	3	5	15	All employees to have medicals done before commencing work on site, or soonest after appointment. Annexure 3 to be FIT FOR WORK, as per task. PC to prepare form for service providers. To be addressed in OHS plan. Employment of local labour to be done in accordance to issued specification relating to the matter. Ensure communication without victimization.	3	3	9	Principal Contractor	Clarity on medical monitoring be given in the SHE Plan.
		Incompetent staff appointed on project. Not registered with relevant Council.	Accidents due to incompetency resulting in serious injuries and/or damage to property. Possible fatality. Loss of finance, time, reputation, project.	5	4	20	Skilled staff to have proof of competencies available. Appointed contractor to ensure all qualifications of staff are verified before appointment for project. Appointed personal to be on site for project duration.	5	3	15	Principal Contractor	No OHS Plan approval without proof of appointed persons competency, registration and scope organogram appointments.
		Lack of adequate staffing for work Lack of Statutory compliance; COIDA, UIF and employee contracts. Lack of agreements on POPIA. SARS not paid.	Accidents resulting in injuries and/or damage to property, Legal liabilities under DOL Loss of finance, reputation, time, project.	5	3	15	All staff to be inducted for site before work commences. Contractor to ensure induction is project specific. Every one coming into the site for the first time must be inducted (Visitors). Staff to have COIDA, Contracts and UIF. Ensure training needs analysis is done and improve relevant competencies. POPIA.	3	1	3	Principal Contractor	POPIA to be addressed in SHE Plan..
12	Contract Control: Phasing of works and control on site creep.	Not doing a works program, not including phasing and decanting into project program, delays in ordering materials, failure to resource works adequately, failure to do cost control: Project program aligned with time and expenditure, Unknown hazards not identified for early planning	loss of project, time, costs and reputation.	5	5	25	Adhere to contract. Plan and program. Update noting time and expenditure within program requirements. Do not allow site creep. Plan for phasing and decanting. Plan to get information immediately. Build what is on specifications and drawings and when in doubt check with relevant PSP. Do not wait until meetings for clarity. respect time lines.	3	3		Principal contractor	Stick to contract.

*RPN - Risk Prioritization Number

Hazard & Risk Identification				Raw Risk Evaluation			Risk Control Measures & Residual Risk Rating					
1a.	1b.	1c.	1d.	2a.	2b.	2c.	3a.	3b.	3c.	3d.	3e.	3f.
S/N	Work activity	Hazard	Consequential Risk / Possible Accident / Ill health to persons, fire or property loss	Severity	Likelihood	RPN*	Risk Control Measures	Severity	Likelihood	RPN*	Responsible Party/ Person	Remarks/ flags
WORK SPECIFIC RISK ASSESSMENT												
1	Use of hand tools	Sub-standard and unsafe hand tools; Incorrect use. Lack of hygiene	Injury to parts of the body. Spread of disease	2	5	10	PPE, checks/inspection registers, control, training.	2	2	4	Principal Contractor	Monitor.
2	Use of portable power tools	Sub-standard electrical power tools and incorrect use thereof. Lack of hygiene. Tripping client operations. Noise and vibration	Spread of disease. Injury and loss	3	5	15	Control, checks, issue and inspection registers to be completed, Training, emergency action / plan. COC's for compliance. Purchase low noise equipment, and provide additional hoarding, sound suppression systems. Plan works not to impact on patients rest times.	3	3	9	Principal Contractor	Monitor.
3	Loading and Off-loading	Unsafe offloading of material and unsafe material stacks; Heavy objects and manual handling; Shortage of persons for task; Vehicle accidents, blocking emergency routes	Injury and loss of finance, reputation and contract.	3	4	12	Adequate number of workers for the task at hand; Proper training and induction on manual handling techniques; PPE and adequate supervision; Use designated area for offloading, stacking and storage of material. Keep escape routes clear.	3	3	9	Principal Contractor	Site layout plans should be used . Check delivery impacts.
4	Stacking and storage	Improper stacking and storage.	Serious injuries and/or fatalities. Loss of material and equipment, loss of finance , time, reputation.	3	4	12	Good housekeeping; Competent Stacking & Storage Supervisor; Demarcated material laydown areas; Stacking and storage inspections;	3	3	9	Principal Contractor	Monitor.
5	Lifting operations	Unsafe use of lifting equipment and Lifting plant (Cranes) Lifting Equipment / Tackle not load tested; Incompetent Operators; Minor lifting gear not checked.	Falling of suspended loads due to equipment failure causing serious injuries / fatalities, property damage, production loss.	5	4	20	Load testing and inspections, Inspection registers & load test certificates: Control by equipment identification, replace defective equipment; Accredited training per category/unit standards of Lifting machines. Ensure safe works platforms, enough hands on deck for movement of goods where work at heights may involve loads: autoclave and fire reticulation equipment work to be covered in a method statement.	5	3	15	Principal Contractor	High priority remedial action. Implement additional (secondary) controls immediately.
6	Working in Elevated Areas / Heights CR. 10 and 16 GSR6. SANS 10085. All work is single story level. Ladder work and safe works platforms will be constructed	Unsafe / incorrect use of ladders / scaffolding; Poor erection of scaffolding; Non-Use of Recommended FAS; Lack of Edge Protection;	Falling from height resulting in serious injuries or fatality; Scaffolding collapse leading to multiple serious injuries or fatalities, damage to property and production loss.	5	4	20	Comprehensive fall protection plan developed by a competent fall protection plan developer must speak to scope of works; Competent scaffold erectors and inspectors; Proper erection and inspection of all scaffolding; Work at heights training and competency; Adequate supervision; No work over others. ensure level ground and use of scaffold boards	5	3	15	Principal Contractor	High priority remedial action.
		Falling objects. Ill employee. Weather: lightning, high winds and rain. Poor housekeeping. Poor control of loads. Wroten wood trusses and roof sheeting.	Objects falling on workers below, resulting in serious head injuries and Equipment/tools damage. Falls and slips, fall through.	5	4	20	Installation of nets and toe boards; Worker training and induction; Regular tool box talks; Identification of "no go areas" and putting up warning signage; Provision of hard hats and other PPE; DSTI's and control off loads	5	3	15	Principal Contractor	High priority remedial action. Implement additional (secondary) controls immediately.

Hazard & Risk Identification				Raw Risk Evaluation			Risk Control Measures & Residual Risk Rating					
1a.	1b.	1c.	1d.	2a.	2b.	2c.	3a.	3b.	3c.	3d.	3e.	3f.
S/N	Work activity	Hazard	Consequential Risk / Possible Accident / Ill health to persons, fire or property loss	Severity	Likelihood	RPN*	Risk Control Measures	Severity	Likelihood	RPN*	Responsible Party/ Person	Remarks/ flags
7	Excavation Work Cr 13 GSR 7. Minor excavations by hand anticipated for the project: some trenching, stormwater work. Underground services are known for Electrical, but not sewer and water: act with extreme caution.	Use of heavy equipment on site to excavate; Incompetent operators; Poor visibility; Underground or overhead services	Collisions with other machines or workers resulting in serious injuries or fatality and property damage; Heavy machinery falling into excavations;	4	4	16	Appoint competent Excavations Supervisor; Fit and competent operators to be appointed for the job; Workers to wear high visibility clothing at all times; Worker training and induction; Regular safety talks; Workers to stay clear of heavy machinery; Dust control measures to be in place;	4	3	12	Principal Contractor	High priority remedial action. Implement additional (secondary) controls immediately.
		Working beneath structures	Injuries due to unsafe use of picks and shovels; Collapse of excavations while there are workers inside leading serious injuries.	4	3	12	Workers keep a safe distance from each other when using picks and shovels; Induction and clear work instruction; Inspection of excavations at appropriate intervals; Adequate supervision;	4	2	8	Principal Contractor	Remedial action is required
		Open trenches / unprotected excavations. Soil conditions and depth and size of excavation location.	Physical injury due to falling into excavations	4	4	16	Open trenches and excavations must be kept to a minimum where possible; Monitoring and barricading of excavations with suitable protective material; Proper instruction and warning signage; Ensure care with services and plan accordingly.	3	3	9	Principal Contractor	High priority remedial action. Implement additional (secondary) controls immediately.
	Unknown hazards may be present during works.	People & vehicle / plant movement in close proximity to excavations. Serves is a serious hazard	Serious injuries or fatality; Asset Damage; Production Loss;	5	4	20	All excavations deeper than 1.5m shall be adequately shored and braced if not sloped; All excavation areas to be barricaded until backfill is complete; Daily Excavation inspections to be conducted before work commences by the appointed inspector (CR13(1)(a)); Checklists to be handed to safety officer for filing; Warning & prohibition signage to be installed at access to excavation. Restrict access to excavation area only to authorized persons & plant .	3	3	9	Principal Contractor	Unknown hazards may be present during works.
8	Existing Services	Not being aware of existing services (i.e. Electrical and data cables; water and sewer lines)	Damage to existing services; Power cuts, flooding and sewer spillages; Coming into contact with live electrical services may result into electrocution causing serious injuries or even fatality;	5	4	20	As-built drawings and drawings for existing services; Induction of workers and proper work instruction; Wearing of non-conductive gloves when exposing services by hand; Competent operators; Adequate supervision;	5	3	15	Principal Contractor	Working fully aware of risk.
9	Operating of Heavy Construction Vehicles and Mobile Plant on site: TLB may be used for demolition of stores, leveling and so on.	Failure to inspect vehicles and mobile plant; Faulty vehicles and plant; Lack of access and route planning	Equipment failure resulting in serious injuries or fatalities, asset damage and production Loss	5	4	20	Daily pre-use inspections by drivers and operators; Maintenance plans / schedules and implementation; Induction of workers and visitors; Plant to be equipped with warning devices (construction light, reverse hooter, flag, etc.)	4	2	8	Principal Contractor	Monitor.
		Incompetent and unfit operators; Not planned deliveries, no traffic controls	Vehicle and plant collisions resulting in serious damage to property and loss of production; Workers / visitors being bumped or run over by vehicles and plant resulting in serious injuries or even fatality;	5	3	15	Operator to be inducted & appointed in writing; Proof of medical fitness to be available; Proof of competency and licensing to be made available prior; High visibility clothing and alertness to the immediate surroundings; Site access is restricted with Nessie Knight needs. PLANNING.	2	3	6	Principal Contractor	Monitor.

Hazard & Risk Identification				Raw Risk Evaluation			Risk Control Measures & Residual Risk Rating					
1a.	1b.	1c.	1d.	2a.	2b.	2c.	3a.	3b.	3c.	3d.	3e.	3f.
S/N	Work activity	Hazard	Consequential Risk / Possible Accident / Ill health to persons, fire or property loss	Severity	Likelihood	RPN*	Risk Control Measures	Severity	Likelihood	RPN*	Responsible Party/ Person	Remarks/ flags
10	Temporary Works CR. 12	Poor or no temporary works designs; Incompetent Erectors and / or Inspector; Poorly erected temporary works; incorrect supports. Removal of supports to quickly	Loss of life. Loss of material, time, finance, reputation. Public liability risks.	5	5	25	Competent appointed person/s to design, supervise, inspect and approve temporary works must be appointed; Temporary works designs to be made available; Training of temporary works erectors; Regular safety talks and adequate supervision; Inspection of temporary works as prescribed;	3	3	9	Principal Contractor	Monitor.
11	Demolition CR. 14	Lack of hoarding and access control. Noise, vibration and dust. Lack of competency. Lack of preventing collapse of structures. Flooding. Asbestos or lead, Aspergillus, molds and funguses, bird droppings, people movement underneath works, structural collapse. Unknown hazards	Loss of life. Loss of material, time, finance, reputation. Public liability risks.	5	5	25	appt competent planner and controller. Inspect. Minimize risks. Manage waste timorously. Ensure structural integrity. also of adjacent structures. Isolation of services Have relevant approved demolition plan and sequence. Detailed structural engineers survey of structure. Inspections during demolition works which includes support structures and hoarding. Plan to minimize noise, vibration and dust. Employees informed, ventilation planned for, correct PPE. controlled access and egress. emergency readiness. Plan for AR and LR to be applied.	5	2	10	8.1 of PC	Structural areas must have Demolition plans and drawings.
12	Steel Fixing	lack of proper hazardous waste management on site; Incorrect disposal of hazardous waste products; Lack of proper hazardous waste bins;	Tripping / falling over obstacles on ground resulting in injury to workers;	3	5	15	Daily removal of offcuts/ left over steel: daily tidying of stacked/ stored material; Create level pathway to job;	3	3	9	Principal Contractor	Monitor.
		Placing / fixing steel at heights over 1.5m above ground: decks;	Loose deck plates allowing workmen to fall through, fall from height resulting in serious injuries or even fatality; Plan for 1.5 m distancing during works	5	4	20	Provision of working platform with access ladders and handrails, as a well as fall arrest equipment where scaffold is not possible; Supervisor to ensure deck panels are inspected before commencing work-	3	3	9	Principal Contractor	High priority remedial action.
13	Concrete Work - Delivery of concrete by supplier (Ready Mixed)	Ready-mix trucks may collide with other vehicles on site; access for plant delivery.	loss of life. Loss of material, time, finance, reputation. Public liability risks.	4	4	16	Ready mix to indicate prior to entering the site and be guided/directed to the off-loading zone, ensure min speed limit clear access route of other site vehicles as well as workers;	4	3	12	Principal Contractor	High priority remedial action. Implement additional (secondary) controls immediately.
	Concrete Work - Delivery of concrete by chute to job	Manual handling of chute; Uneven terrain / obstacles on ground may cause slips/ trips/ falls; Restraint on access	Injuries to workers : hands, body, head etc. Damage to structures.	4	4	16	Training in correct handling methods / provision of gloves; Ground to be free of obstacles; Supervisor to ensure correct / specified Gloves are worn (PVC);	4	3	12	Principal Contractor	High priority remedial action. Implement additional (secondary) controls immediately.
	Concrete Work (Cont.) - Delivery of concrete at height over 1.5m	Fall from height;	Serious injuries or fatality;	5	4	20	Provision of working platforms with access ladders and handrails; Supervisor to monitor and take control;	5	3	15	Principal Contractor	High priority remedial action. Implement additional (secondary) controls immediately.
	Concrete Work - General (Placing concrete from bucket hoisted by crane)	Concrete bucket hitting the worker; Opening and closing of bucket; Environmental damage	Injury to workers, time lost, and possible fatal incidents. Environmental pollution.	5	4	20	Only the Banksman / Spotter responsible for directing the crane during loading and discharging, workers to be advised to stand clear of the path of the bucket; Supervisor to ensure clear visual communication at all times; Ensure bucket is properly closed after each placing, use correct PPE issued on the "PPE Schedule"	5	3	15	Principal Contractor	High priority remedial action. Implement additional (secondary) controls immediately.
	Minor batching	No board, wrong mixers, organic contamination, water waste, sludge run off, no use of PPE	dermatitis, minor injuries, eye loss, loss of finance, time, material, reputation and project.	4	4	20	Plam batching area, use engineers specifications and mix design, build water run off buffer, mix on mixing platform to avoid organic matter contamination. Do quality control, Provide training and PPE. Ergonomic hazards to be addressed.	3	3	9	Principal Contractor	Monitor.
	Concrete Work - General (Vibrating concrete)	Concrete splash from vibrating, operating the poker; Noise	Injury to workers, possible serious injuries; Health impacts: Noise, vibration and dermatitis	4	5	20	Use correct PPE issued on the "PPE Schedule" ; Operator self check for PPE; Supervisor to ensure and control;	4	3	12	Principal Contractor	Monitor

Hazard & Risk Identification				Raw Risk Evaluation			Risk Control Measures & Residual Risk Rating					
1a.	1b.	1c.	1d.	2a.	2b.	2c.	3a.	3b.	3c.	3d.	3e.	3f.
S/N	Work activity	Hazard	Consequential Risk / Possible Accident / Ill health to persons, fire or property loss	Severity	Likelihood	RPN*	Risk Control Measures	Severity	Likelihood	RPN*	Responsible Party/ Person	Remarks/ flags
14	Brick Work: Replacement of broken or crumbling bricks, new building	Mixing of mortar - Faulty hand tools;	Injury to workers	3	5	15	Use of correct PPE, tools in good condition; Supervisor to monitor; Regular tool box talks;	3	3	9	Principal Contractor	Monitor.
		Stacking or Placing bricks at work - Bricks falling over, brick could cut skin	Injury to parts of the body. Ergonomic hazards	3	5	15	Proper and safe stacking of bricks; Use of correct PPE; Regular toolbox talks Adequate supervision;	3	3	9	Principal Contractor	Monitor.
		Supplying mortar to bricklayer; Brickwork's to walls - faulty hand tool, poor standard of scaffolding or trestles	Injury to parts of the body	3	5	15	Use of correct PPE; Good standard of scaffolding/ trestles, tools in good condition;	3	3	9	Principal Contractor	Monitor.
		Placing window, door frames, and lintels - Falling frames and lintels;	Injury to workers, possible serious injuries;	4	4	16	Checks to be done to confirm that windows and door frames are well stayed; Use of correct PPE; Supervisor to monitor and control;	4	3	12	Principal Contractor	High priority remedial action. Implement additional (secondary) controls immediately.
15	Mechanical	Failure to plan and resource competent service providers; lack of lock out facilitation, Loads and specialized equipment needs, failure to follow specs and drawings, failure to teach stakeholders on equipment and provide required manuals. Failure to identify services: Current and colour coding new services to SANS standards.	Loss of life and injuries. Loss of material, time, finance, reputation. Public liability risks.	5	4	20	Appoint competent PC. Follow specifications and latest drawings. If in doubt: refer to Project management before commencing works. Follow decanting plan. Use drip trays, fire hydrant, lock out according to task HIRA and DSTI. Update manuals and plan for training during works and before site hand over to end-users.	3	3	9	Principal contractor	Monitor.
16	Fire Reticulation	Ungainly equipment, work at heights, not following specifications and drawings. Failure to secure. Failure to ensure testing and switch other. Failure to secure water supply. Failure to train and provide end user with manuals and maintenance knowledge.	Loss of life and injuries. Loss of material, time, finance, reputation. Public liability risks.	5	5	25	Appoint competent PC. Follow specifications and latest drawings. If in doubt: refer to Project management before commencing works. Follow decanting plan. Use drip trays, fire hydrant, lock out according to task HIRA and DSTI. Update manuals and plan for training during works and before site hand over to end-users. ensure ungainly materials and task demands are addressed in a method statement.	4	3	12	Principal Contractor	Monitor and ensure planning
17	Emergency planning and response CR. Requires emergency planning for high risk work.	Fire, collapse of structures, delay in patient care, theft, fatalities, Covid outbreak. Health care facility emergencies. Outages. Public complaints and unrest. Loss of public property records, health care service interruptions	Loss of life. Loss of material, time, finance, reputation. Public liability risks.	5	5	25	Plan for when things go wrong: Appoint emergency coordinator, display route plan to assembly areas. Ensure access to these areas. Have emergency and relevant role players contact numbers. Build relationships with Police and relevant service providers. Plan for project continuity. Plan to prevent incidence. Have Incident procedures.	5	3	15	Principle Contractor.	Fire prevention method statement.
18	Contractor Management	Unapproved contractors on site. No COIDA. Lack of competent oversight by PC.	Legal non-compliance; Risk to Client and project; Stoppages due to non-compliance; Loss of finance, time, reputation	5	4	20	Appoint a competent PC and sub contractors. Ensure phasing plans are carried out to PM criteria. Do a clear works program and update. Involve 8.5 at Section 8 meetings.	5	3	15	Principal Contractor	Monitor and ensure planning
17	POPIA	Not getting and giving information on personal data management	Legal non-compliance; Risk to Client and project; Stoppages due to non-compliance;	5	5	25	POPIA Policy Statement, Record keeping and employee signatures obtained prior to medical testing. Make this part of the contract.	3	2	6	Principal Contractor	Implement controls
*RPN - Risk Prioritization Number												

Hazard & Risk Identification				Raw Risk Evaluation			Risk Control Measures & Residual Risk Rating					
1a.	1b.	1c.	1d.	2a.	2b.	2c.	3a.	3b.	3c.	3d.	3e.	3f.
S/N	Work activity	Hazard	Consequential Risk / Possible Accident / Ill health to persons, fire or property loss	Severity	Likelihood	RPN*	Risk Control Measures	Severity	Likelihood	RPN*	Responsible Party/ Person	Remarks/ flags
HBA level 3 GENERIC RISK ASSESSMENT.												
1	Preparation for works commencement on site	Access control not done, employees not aware and informed	Failure to comply with legal requirements resulting in work stoppage, increased infection rates, and possibly legal action against the PC.	5	3	15	Access signage: Do not enter if symptomatic. Update Covid policy and protocols, Educate and inform.	5	1	5	Principal Contractor	Stay updated.
2	Site Preparation	Failure to plan and resource; asymptomatic person not wearing a mask when knowingly +. Symptomatic person not isolating and testing.	Public liability, legal risk. Spread of disease	4	3	12	Update plan to current legislative requirements, inform, Signage to warn, Encourage awareness and knowledge, provide PPE, hygiene and sanitation goods.	3	3	9	Principal Contractor	Monitor
3	Induction/Training	Failure to induct workers and lack of training; Lack of correct and updated information/ awareness. Lack of Induction warnings of hazards in access to site.	Workers not adhering to prescribed controls due to lack of awareness resulting in increased exposure.	5	4	20	Copies of all the updated and relevant regulations and guidelines to be readily available on site and communicated to workers; Information / Awareness posters to be conspicuously displayed at strategic positions on site; Toolbox talks / DSTIs addressing COVID 19 related risks. Induction must address needs; access and traffic risks.	3	3	9	Principal Contractor	Monitor and implement.
4	Demographics of labour	Vulnerability due to age, underlying auto-immune or chronic disease/s. Transporting incorrectly	Health complications of vulnerable groups once infected with the virus; Possible death. Loss of reputation, time, finance, project	5	4	20	List of vulnerable employees to be maintained; ; Induction, DSTIs and toolbox talks to be done daily on topics relating to Covid-19, personal hygiene and PPE. Strict enforcement for use of PPE; FIT FOR WORK CERTIFICATES Staff in exposed age groups and compromised health conditions to be considered high risk and managed appropriately. Also address HIV, TB, Heb A,B,C	4	3	12	Principal Contractor	Stay informed
5	Origin of labour	Use of public transport to get to work and to move between towns and cities, districts, municipalities and rural villages; Workers who may have come into close contact with suspected COVID-19	Non-use of cloth or respiratory masks / face shields by public transport commuters; Employees / workers could be possibly exposed and get infected resulting in spreading of the virus during movement.	3	4	12	Advise folk traveling on public transport on hygiene, ventilation, travel time and potential risks they should be aware off. Encourage cough protocols.	2	3	6	Principal Contractor	Monitor
6	Personal hygiene and accountability	Not reporting status, Poor personal hygiene and improper cough / sneezing etiquette. Spread of Covid 19 and other HBA's.Lack of correct masks use.	Increased risk of spreading the virus amongst co-workers and contaminating surfaces and/or tools. Touching of surfaces, tools and items that may have been contaminated;	5	3	15	Workers to be trained on proper personal hygiene and reporting protocols, which training must include the following: -Report - Frequently clean hands by using provided alcohol-based hand rub or soap with water. - Covering of mouth and nose with a flexed elbow when coughing / sneezing - Maintaining safe social distancing by avoiding close contact with anyone that has fever and cough	3	2	6	Principal Contractor	monitor
7	Soap and paper towels	Lack of adequate stock of to maintain facility hygiene	Poor implementation of hygiene protocols due to lack of resources resulting in increased risk of exposure and cross-infection;	4	4	16	Principal Contractor to ensure availability of stock at all times on site; It is recommended that adequate quantities of stock that should last for at least one month be procured and weekly as per the demand on site;	4	3	12	Principal Contractor	Facilities Regulations and Environmental Regulations apply.
8	Alcohol and substance abuse	Workers, visitors arriving at site under the influence of substances; Use of Breathalyzer for alcohol testing;	Intoxicated workers and/or visitors not complying with procedures laid down to prevent the spread of the virus; Cross infection due to use of shared breathalyzers;	5	4	20	Policy and method statement for substance abuse to be reviewed, management of visitors and workers under the influence of alcohol or other substances. Use of disposable individual testing units and appropriate disposal in hazardous waste bins.	5	3	15	Principal Contractor	High priority remedial action. Implement additional (secondary) controls immediately.

Hazard & Risk Identification				Raw Risk Evaluation			Risk Control Measures & Residual Risk Rating					
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S/N	Work activity	Hazard	Consequential Risk / Possible Accident / Ill health to persons, fire or property loss	Severity	Likelihood	RPN*	Risk Control Measures	Severity	Likelihood	RPN*	Responsible Party/ Person	Remarks/ flags
9	HBA Risk awareness: Awareness Signage / Posters	Lack of SARS- COV 2 awareness signage and posters if positive or symptomatic	Workers not adhering to prescribed controls due to lack of awareness resulting in increased exposure.	5	3	15	A policy and method statement to be prepared. Display of posters and signage with the site rules and protocols that needs to be maintained at strategic points. DO NOT ENTER IF SYMPTOMATIC: TEST . illness protocols: IF sick, test, if +: Isolate for a minimum of 7days, or until symptoms go away. If + bout not sick: Report and wear a mask at all times. Competent supervision and adequate awareness training required. Discipline to be applied to those not complying.	3	2	6	Principal Contractor	Proceed with care. Remedial actions to be taken at appropriate times.
10	Access Control	Uncontrolled access points; Untrained access controller / security guard Poor maintenance of site security fence;	Unauthorized access to site resulting in increased risk of contamination of the workplace and cross infection; Access controller / security guard not following correct procedure; Workers, visitors, site administration arriving on site via personal and public transportation. Failure to display no entry protocol.	5	4	20	Policy and method statements. All persons entering site to sanitize hands, prior to entry to site. Periodic alcohol testing to continue however only when warranted through suspicion.	5	3	15	Principal Contractor	High priority remedial action. Implement additional (secondary) controls immediately.
12	Welfare facilities	Inadequate space for maintaining social distancing; Failure to disinfect welfare facilities; Possible contaminated surfaces;	Inability to maintain social distancing resulting in possible cross contamination and increased risk of infection; Workers coming into close contact with contaminated surfaces resulting in virus infections;	5	4	20	Updating of policy, method statements and HIRA, limiting of personnel on site to minimum number required to maintain control and management. Implement and maintain cleaning and disinfecting programme. Site rules for social distancing to 1.5m. Stagger number of people attending induction and training sessions. Use technology to avoid close proximity between individuals where possible.	5	3	15	Principal Contractor	High priority remedial action. Implement additional (secondary) controls immediately.

Hazard & Risk Identification				Raw Risk Evaluation			Risk Control Measures & Residual Risk Rating					
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S/N	Work activity	Hazard	Consequential Risk / Possible Accident / Ill health to persons, fire or property loss	Severity	Likelihood	RPN*	Risk Control Measures	Severity	Likelihood	RPN*	Responsible Party/ Person	Remarks/ flags
13	Emergency planning and response	Not following correct procedure for dealing with COVID-19 suspected cases; Emergency Co-Ordinator not trained in COVID-19 emergency response procedure;	spread of disease. Injury and loss	4	3	12	Review emergency plan and method statements. DSTIs and toolbox talks. Competent supervision and emergency co-ordinator to be trained on emergency arrangements. Updating of the emergency plan and communicated to all personnel. Emergency Number List updated to include National Institute of Communicable Diseases (NICD) Emergency Hotline – 0800 029 999 and dedicated Isolation Hospital Details.	5	2	10	Principal Contractor	Proceed with care. Remedial actions to be taken at appropriate times.
14	First Aid	First Aid Attendant not trained in COVID-19 and proper procedure to be followed when rendering first aid; First Aid Attendant not provided with and not using suitable PPE. Lack of general competency and valid certification. No First aid box or signage,	disease spread	5	3	15	The designated First Aid Attendant must be made aware of the hazards and risks related to COVID-19; Suitable PPE for the First Aid Attendant must be readily available on site at all times (N-95, FFP1 / FFP2 masks, Goggles and Latex gloves); CCO to monitor and control; Competency and resources must be up to date. report and record cases.	5	2	10	Principal Contractor	General good health and good immune systems are the best defense against diseases.
15	Contractor Management	Non-compliant Contractors and lack of keeping updated.	Increased risk exposure due to lack of monitoring and enforcement resulting in the spread of the virus;	3	4	12	Update the site HIRA, OHS systems according to the current relevant Regulations and HBR.	2	3	6	Principal Contractor	Monitor

PART C4: SITE INFORMATION

C4.1 SITE INFORMATION

Bid Description:	“REPAIRS, RENOVATIONS AND REFURBISHMENT TO SIX (6) FACILITIES IN JOE GQABI DISTRICT – WALTER SISULU AND SENQU SUB - DISTRICTS”
Project Number:	SCMU3-25/26-0212-JG

GENERAL

Prospective bidders to familiarize themselves with the locality, access, any other “restrictions”.
(Refer to Scope of Works C3)

Jamestown Clinic

Address : 454 – 457 Lonwabo Street, James Calata
Coordinate : -31.130182752934626, 26.804285106123324

Aliwal Poly Clinic

Address : Malestwai
Coordinate : -30.692889°, 26.706178°

Venterstad Clinic

Address : Cnr. Sichel Str & Boneschanes Str, Venterstad
Coordinate : -30.77840471676261, 25.796989244677626

Robert Mjobo Clinic

Address : Brummer Street, Lady Grey
Coordinate : -30.712763980914175, 27.20593669664682

Sonwabile Zandile Clinic

Address : Botha Street, Barkley East
Coordinate : -30.96362403841128, 27.593871507094896

Aliwal North Hospital

Address : 1 Parklane St, Maletswai, 9750
Coordinate : -30.697695998434185, 26.7072354212069

SITE INFORMATION REPORTS INCLUDED IN THE BID DOCUMENT:

- N/A