

**PROVINCIAL ADMINISTRATION OF KWAZULU-NATAL
DEPARTMENT OF HEALTH**



KWAZULU-NATAL PROVINCE

HEALTH
REPUBLIC OF SOUTH AFRICA

BILLS OF QUANTITIES

with GCC for Construction Works - Second Edition 2010

RETURNABLE DOCUMENT

ONE VOLUME APPROACH

NYAVINI CLINIC: CONSTRUCTION OF SMALL CLINIC

Engineer/Principal Agent

Eugene Maphumulo Architects (Pty) Ltd
The Heritage House, 170 Steve Biko Rd
Musgrave
Durban
4001
031 201 2704 - Tel Number
eugene@emarchitects.co.za

Employer:

Head: Department of Health
KZN Department of Health
Private Bag X 9051
Pietermaritzburg
3200
Tel Number: 033 - 940 2400

Tender Number: ZNB 5549/2023-H
CIDB Grading: 8GB

Closing Date: Monday, 11 September 2023
Contract Period: 18 Calendar Months

Contracting Party: _____

CIDB Registration number: _____

Central Suppliers Database Registration Number: _____

NYAVINI CLINIC: CONSTRUCTION OF SMALL CLINIC



THE TENDER

1. PART T1: TENDER PROCEDURES

T1.1	Tender Notice and Invitation to Tender	4 Pages
T1.2	Tender Data	4 Pages
T1.3	Annexure C - Standard Conditions of Tender	9 Pages

2. PART T2: RETURNABLE DOCUMENTS

T2.1	List of Returnable Documents	2 Pages
T2.2	Authority to Sign Tender (T2.2)	1 Page
T2.3	Authority for Consortia or Joint Venture's to Sign Tender (T2.3)	2 Pages
T2.4	Special Resolution of Consortia or Joint Venture's (If applicable) (T2.4)	3 Pages
T2.5	Joint Venture Involvement Declaration (If applicable) (T2.5)	2 Pages
T2.8	Financial Standing and other resources of Business Declaration (T2.8)	1 Page
T2.9	Preference Points Claim - SBD 6.1 (T2.9)	4 Pages
T2.10	Site Inspection Certificate as proof for attendance of compulsory briefing meeting (T2.10)	1 Page
T2.11	Bidder's Disclosure - SBD 4 (T2.11)	2 Pages
T2.12	Record of Addenda to Tender Documents (T2.12)	1 Page
T2.14	Schedule of Imported Materials and Equipment (T2.14)	1 Page
T2.15a	Latest Audited Annual Financial Statement (T2.15a)	1 Page
T2.17	Contractor's Safety, Health and Environmental Declaration. (T2.17)	1 Page
T2.18	Compulsory Enterprise Questionnaire (T2.18)	1 Page
T2.19	Tax Compliance Status (TCS) PIN to verify on line Compliance Supplier Status via e-Filing (T2.19)	1 Page
T2.20	Proof of Good Standing with the Compensation Commissioner (Attach) (T2.20)	1 Page
T2.21	Form of Offer and Acceptance (Bound into Section 1 of 2) (T2.21)	3 Pages
T2.22	Complete Priced Bill of Quantities	1 Page
T2.24	Proof of UIF Registration (T2.24)	1 Page
T2.25	The National Industrial Participation Programme (T2.25)	1 Page

T2.27	Proof of Registration Number on the Central Suppliers Database (T2.27)	1 Page
T2.28	Proof of CIDB Registration Number (T2.28)	1 Page
T2.29	Mandatory Technical Requirements	1 Page
T2.30	Contract Form - Purchase of Goods/Works - Part 1	1 Page
T2.31	Contract Form - Purchase of Goods/Works - Part 2	1 Page
T2.32	Required Structure of Contractor's detailed OHSE Plan	1 Page
T2.33	Client's specific requirements for the Contractor's detailed OHSE Plan	31 Page
T2.34	Baseline Risk Assessment	16 Pages
T2.36	Functionality Criteria (T2.36)	2 Pages
T2.37	Invitation to Tender - SBD 1	2 Pages

THE CONTRACT

3. PART C1: AGREEMENT AND CONTRACT DATA

C1.1	Form of Offer and Acceptance	1 Pages
C1.2	Contract Data	7 Pages
C1.3	Form of Guarantee	3 Pages

4. PART C2: PRICING DATA

C2.1	Pricing Instructions	4 Pages
C2.2	Bills of Quantities	262 Pages

5. PART C3: SCOPE OF WORKS

C3.1	Scope of Works	8 Pages
C3.2	Specification for HIV/AIDS awareness	3 Pages
C3.3	HIV/STI Compliance report	2 Pages

6. PART C4: SITE INFORMATION

C4.1	Site Information	1 Page
------	------------------	--------

7. DRAWINGS

C5.1	List of Drawings	1 Page
------	------------------	--------

8. ANNEXURES

Annexure 1	Standard Preambles for all Trades (Rev 3) - DOH 2009
Annexure 2	General Electrical Specifications
Annexure 3	Lightning Protection Specifications
Annexure 4	Map of Tender submission location
Annexure 5	Joint Venture Agreement
Annexure 6	Health and Safety Specification
Annexure 7	Health and Safety Bill of Quantities
Annexure 8	Builders Lien Agreement
Annexure 9	Geotechnical Investigation Report (If applicable)
Annexure 10	EPWP Employment Contract
Annexure 11	Attendance Register - Infrastructure and Other projects
Annexure 12	EPWP Data Collection tool for Phase 3 system

IMPORTANT NOTICE TO TENDERERS

Any reference to words Tender or Tenderer herein and/or in any other documentation shall be construed to have the same meaning as the words Bid or Bldder. These forms are for internal and external use for the KZN Department of Health, Provincial Administration of KwaZulu-Natal.

"Quality" shall mean totality of features and characteristics of a product or service that bears on the ability of the product or service to satisfy stated or implied needs.

No alternative Tenders will be accepted.

The Total (Including Value Added Tax) on the Final Summary of the Bill of Quantities must be carried to the "Offer" part only of the Form of Offer and Acceptance - T2.21

"Enterprise" shall mean the legal Tendering Entity or Tenderer who, on acceptance of the Offer, would become the contractor"

All amendments issued for this tender must be downloaded from the website stated in the tender advertisement.

Tenderers are to ensure that all returnable documents as stated in T2.1, items 1 to 5, are submitted to avoid disqualification. Furthermore, tenderers are to ensure that all documents stated in T2.1, item 6, are submitted in order to be evaluated for functionality as per the requirements of T2.36.



NYAVINI CLINIC: CONSTRUCTION OF SMALL CLINIC

The Tender



NYAVINI CLINIC: CONSTRUCTION OF SMALL CLINIC

PART T1. - TENDER PROCEDURES



NYAVINI CLINIC: CONSTRUCTION OF SMALL CLINIC

T1.1 - TENDER NOTICE AND INVITATION TO TENDER

T1.1 TENDER NOTICE AND INVITATION TO TENDER			
THE KZN DEPARTMENT OF HEALTH INVITES TENDERS FOR THE PROVISION OF:			
Project title:	NYAVINI CLINIC: CONSTRUCTION OF SMALL CLINIC		
Tender no:	ZNB 5549/2023-H	Project Code:	TBA
Advertisement date:	04 August 2023	Closing date:	11 September 2023
Closing time:	11:00	Validity period:	84 Days

It is estimated that tenderer's must have a CIDB contractor grading designation of 8GB or higher. No alternative Class of work, as referred to in Clause 25(3)(a)(i) of the CIDB Regulations, as amended, is anticipated for this project.

<input checked="" type="checkbox"/>	All Tenderer's should have a CIDB Class of Construction Contractor Grading Designation as indicated above. No Tenderer with a PE status will be considered as the Department does not have an Official Mentorship Programme in place to assist a Potentially Emerging Enterprise.
-------------------------------------	---

Only Tenderer's who are responsive to the following responsiveness criteria are eligible to submit Tenders:

<input checked="" type="checkbox"/>	Only those tenderers who are registered with the CIDB, or are capable of being so prior to the evaluation of submissions, in 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) or 25(7A) of the Construction Industry Development Regulations for a : 8GB or higher, class of construction work, are eligible to have their Tenders evaluated.
<input checked="" type="checkbox"/>	Joint ventures are eligible to submit tenders provided that: <ol style="list-style-type: none"> 1 every member of the joint venture is registered with the CIDB; 2 the lead partner has a contractor grading designation in the 8GB or higher, class of construction work; or 3 the combined contractor grading designation calculated in accordance with the Construction Industry Development Regulations is equal to or higher than a contractor grading designation determined in accordance with the sum tendered for a : 8GB or a value determined in accordance with Regulation 25 (1B) or 25 (7A) of the Construction Industry Development Regulations.
<input checked="" type="checkbox"/>	Tender document must be properly received on or before the tender closing date and time specified on the invitation, fully completed and signed in ink (All as per Standard Conditions of Tender).
<input checked="" type="checkbox"/>	Submission of Compulsory Returnable Schedules documents as per List of returnable documents.
<input checked="" type="checkbox"/>	Tax Compliance Status (TCS) PIN number and Tenderer's or entity tax reference number.
<input checked="" type="checkbox"/>	Contractor's Safety, Health and Environmental Declaration.
<input checked="" type="checkbox"/>	Complete priced Bill of Quantities to be submitted.
<input checked="" type="checkbox"/>	Proof of good standing with the Compensation Commissioner - In terms of Section 84(1)(b) of the Compensation for Occupation Injuries and Disease Act, 1993, a Tenderer may not be awarded a contract if he/she is not registered and in good standing with the Compensation Commissioner.
<input checked="" type="checkbox"/>	Proof of UIF Registration (T2.24)
<input checked="" type="checkbox"/>	Compulsory Enterprise Questionnaire (T2.18)
<input checked="" type="checkbox"/>	Tenderers must meet the minimum qualifying score for functionality criteria first before they can be considered for price and preference.
<input checked="" type="checkbox"/>	Invitation to Tender - SBD 1

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

Name of Tenderer: _____

Postal Address: _____

Street Address: _____

Telephone Number CODE _____ NUMBER _____

Cell phone Number: _____

E-mail Address: _____

VAT Registration Number: _____

TAX COMPLIANCE STATUS (TCS) PIN TO VERIFY ON LINE COMPLIANCE SUPPLIER STATUS VIA SARS e-FILING (T2.19)

YES or NO

ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS / SERVICES / WORKS OFFERED? [If yes, enclose proof]

YES or NO

THE TENDER SHALL BE EVALUATED IN THREE (3) STAGES. THE STAGES ARE AS FOLLOWS:

STAGE 1 - Administrative compliance: All mandatory returnable documents have been submitted and are compliant; the tender documentation has been fully completed and signed. This must include mandatory requirements as indicated below (T2.1), if applicable. The bidder who did not submit administrative and mandatory requirements will be treated as non-responsive and will not progress to the next evaluation stage

STAGE 2 - Evaluation of functionality criteria: As stated in T2.36 (if applicable). Tenderers are required to submit the stated documents and achieve the minimum stated score to proceed to the next Stage of evaluation. The bidder who did not submit administrative and mandatory requirements will be treated as non-responsive and will not progress to the next evaluation stage

STAGE 3 - Evaluation of price and preference points

Notes

T2.1: Returnable Documentation

List of returnable documents include the following:

- Returnable schedules required for tender evaluation purposes
- Documents required for the evaluation of mandatory technical criteria (if applicable)
- Documents required for the evaluation of functionality

This tender will be evaluated according to the preferential procurement model in the Preferential Procurement Policy Framework Act, 2000: Preferential Procurement Regulations, 2022:

80/20 Preference point scoring system

90/10 Preference point scoring system

NOTE		Refer to T2.36 - Functionality Criteria	
Functionality requirement:		100	Points
Price:		90	points
Preference point scoring system will be based on the following points:			
Preference points system:			
Preferences are offered to Tenderer's who have attained the following in accordance with the table below:			
1. Specific goals (according to the PPPFA):			
(a)	In terms of Race, full, partial or combination of points may be allocated to companies who are at least 51% Owned by Black People	10	Points
Total must equal 10 points		10	Points

Notes:

- 1 The successful Tenderer will be required to sign a contract.
- 2 Tenderers should ensure that Tenders are delivered timeously to the correct address. If the Tender is late, it will not be accepted for consideration.
- 3 The Tender box is generally open during official working hours.
- 4 All Tenders must be submitted on the official forms – (Not to be re-typed)
- 5 THIS TENDER IS SUBJECT TO THE PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT AND THE PREFERENTIAL PROCUREMENT REGULATIONS, 2022, THE GENERAL CONDITIONS OF CONTRACT FOR CONSTRUCTION WORKS (GCC2010) AND, IF APPLICABLE, ANY OTHER SPECIAL CONDITIONS OF CONTRACT
- 6 Where stated in the tender data that a two-envelope system has been followed, open only the non-financial proposal of valid tenders in the presence of tenderer's agents, who choose to attend, at the time and place stated in the tender data and announce the name of each tenderer whose technical proposal is opened. - **Not Applicable**
- 7 Evaluate that non-financial proposals offered by tenderers, then advise tenderers who remain in contention for the award of the contract of the time and place when the financial proposals are to be opened. - **Not Applicable**
- 8 Open only the financial proposals of tenderers who, in the Functionality evaluation score, have more than the minimum number of points for Functionality stated in the tender data, and announce the score obtained for the non-financial proposals and the total price and any preferences claimed. Return unopened financial proposals to tenderers whose non-financial proposals failed to achieve the minimum number of points for Functionality. - **Not Applicable**

THE PHYSICAL ADDRESS FOR COLLECTION OF TENDER DOCUMENTS:

Tender documents may be collected during working hours at the following address :

Department of Health Central Supply Chain 310 Jabu Ndlovu Street, Pietermaritzburg,3200

A non-refundable tender deposit of R610 is payable as per the tender advertisement , on collection of the Tender documents.

COMPULSORY CLARIFICATION MEETING

It is vital that a technically qualified and knowledgeable member from the tenderer's firm attends the compulsory site clarification meeting.

A Compulsory clarification Meeting with representatives of the Employer will take place as follows:

Nyavini Clinic Site, D938 from Nyavini village, Ugu Health District, Umzumbe Municipality. Co-ordinates 30° 38'26.65S, 30° 37'05.45E

on: **Thursday, 24 August 2023**

QUERIES REGARDING THE TENDERING PROCEDURE OR TECHNICAL INFORMATION MAY BE DIRECTED TO:

DOH Project Manager:	Mrs Z. Docrat	Telephone no:	(033) 940 2609
Cell no:	060 843 4772		
E-mail:	Zakiyah.Docrat@kznhealth.gov.za		

DEPOSIT / RETURN OF TENDER DOCUMENTS:

Telegraphic, telephonic, telex, facsimile, electronic, posted and / or late tenders will not be accepted.

Requirements for sealing, addressing, delivery, opening and assessment of tenders are stated in the **Tender Data document**.

All tenders must be submitted on the official forms – (not to be re-typed)

TENDER DOCUMENTS MAY BE:

DEPOSITED IN THE TENDER BOX AT:
Tender Advisory Services Supply Chain Management, Head Office 310 Jabu Ndlovu Street Pietermaritzburg 3200



NYAVINI CLINIC: CONSTRUCTION OF SMALL CLINIC

T1.2 - TENDER DATA

T1.2 TENDER DATA			
Project title:	NYAVINI CLINIC: CONSTRUCTION OF SMALL CLINIC		
Project Code:	TBA		
Tender no:	ZNB 5549/2023-H	Closing date:	11 September 2023
Closing time:	11:00	Validity period:	84 Days Days
Clause number:			
	<p>The conditions of Tender are the Standard Conditions of Tender as contained in Annexure C of the CIDB Standard for Uniformity in Engineering and Construction Works Contracts as per Board Notice 423 of 2019 in Government Gazette 42622 of 8 August 2019 as amended from time to time (see www.cidb.org.za). Refer to Conditions of Tender as contained within this document.</p> <p>The Standard Conditions of Tender make 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 Standard Conditions of Tender.</p> <p>Each item of data given below is cross-referenced to the clause marked "C" in the above mentioned Standard Conditions of Tender.</p>		
C.1.1	<p>For this contract the <u>single volume</u> approach is adopted.</p> <p>This procurement document has been formatted and compiled under the headings for a single volume approach as contained in table 5 of the CIDB's "Standard for Uniformity in Engineering and Construction Works Contracts."</p> <p>The list of Returnable Documents identifies which of the documents a Tenderer must complete when submitting a Tender. The Tenderer must submit his Tender by completing the Returnable Documents including the priced Final Summary of the Bills of Quantities (including fully priced the Bills of Quantities), signing the "Offer" section in the "Form of Offer and Acceptance" and delivering the whole of the procurement document back to the Department bound up as it was when it was received.</p>		
C.1.2	<p>The single volume procurement document issued by the Employer comprises the following:</p> <p>TENDER</p> <p>Part T1: Tendering procedures</p> <p>T1.1 - Tender Notice and Invitation to Tender</p> <p>T1.2 - Tender Data</p> <p>T1.3 - Annexure C - Standard Conditions of Tender</p> <p>Part T2: Returnable documents</p> <p>T2.1 - List of returnable documents</p> <p>T2.2 - Returnable schedules (See different forms listed in T2.1 - Returnable Schedule)</p> <p>CONTRACT</p> <p>Part C1: Agreements and Contract Data</p> <p>C1.1 - Form of Offer and Acceptance</p> <p>C1.2 - Contract Data</p> <p>C1.3 - Form of Guarantee</p> <p>Part C2: Pricing data</p> <p>C2.1 - Pricing Instructions</p> <p>C2.2 - Bills of Quantities</p> <p>Part C3: Scope of works</p> <p>C3.1 - Scope of Works</p> <p>C3.2 - Specification for HIV/AIDS awareness</p> <p>C3.3 - HIV/STI Compliance report</p> <p>C3.4 - Project Specific Construction Safety, Health and Environmental Specification</p> <p>C3.5 - Supplementary Preambles</p>		

	Part C4: Site information
	C4.1 - Site Information
	C4.2 - Builders Lien Agreement
	Part 5: List of Drawings/Annexure's
	C5.1 - List of Drawings
	C5.2 - Standard Preambles for all Trades (Rev 3) - DOH 2009
	C5.3 - General Electrical Specifications
	C5.4 - Lightning Protection Specifications
	C5.5 - Map of Tender submission location
	C5.6 - Joint Venture Agreement
	C5.7 - Health and Safety Specification
	C5.8 - Health and Safety Bill of Quantities
	C5.9 - Builders Lien Agreement
	C5.10 - Geotechnical Investigation Report (If applicable)
	C5.11 - EPWP Employment Contract
	C5.12 - Attendance Register - Infrastructure and Other projects
	C5.13 - EPWP Data Collection tool for Phase 3 system
C.1.4	The Employer's agent (Engineer/Principal Agent) is: Name: Eugene Maphumulo Architects (Pty) Ltd Capacity: Principal Agent/Engineer Address: The Heritage House, 170 Steve Biko Rd , Musgrave , Durban , 4001 Tel: 031 201 2704 E-mail: Zakiyah.Docrat@kznhealth.gov.za Responsible person: Mrs Z. Docrat
C.1.6	PP2-Competitive Selection Procedure Design by Employer PP2B-Open Procedure Tenderers must meet the minimum qualifying score for functionality criteria first before they can be considered for price and preference.
C.2.1	For eligibility refer to T1.1 Tender Notice and Invitation to Tender This project is an EPWP project and the tenderer is advised to price accordingly. Only those tenderers who are registered with the CIDB, or are capable of being so prior to the evaluation of submissions, in 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) or 25(7A) of the Construction Industry Development Regulations for a : 8GB or higher class of construction work, are eligible to have their tenders evaluated. Joint ventures are eligible to submit tenders provided that: 1 every member of the joint venture is registered with the CIDB; 2 the lead partner has a contractor grading designation in the 8GB or higher, class of construction work; or not lower than one level below the required the required grading designation in the class of works construction works under considerations and possess the required recognition status 3 the combined contractor grading designation calculated in accordance with the Construction Industry Development Regulations is equal to or higher than a contractor grading designation determined in accordance with the sum tendered for a : 8GB or a value determined in accordance with Regulation 25 (1B) or 25 (7A) of the Construction Industry Development Regulations.
	See end of T2.3 AUTHORITY FOR CONSORTIA OR JOINT VENTURES TO SIGN TENDER for combinations of JV's arrangements.

C.2.7	For particulars regarding a pre-tender site inspection meeting (clarification meeting), see T1.1 Tender Notice and Invitation to Tender.
C.2.12	Alternative tender offer permitted: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
C.2.13.2	Tenderers are to ensure that their company details appear on the entire relevant Tender documentation and must be legible.
C.2.13.4	The second sentence shall read as follows "The Employer will hold all authorised signatories jointly and severally liable on behalf of the tenderer". Tenderers proposing to contract as a Joint Venture shall submit a valid Joint Venture Agreement before the Joint Venture's offer could be accepted. Individuals, Partnerships and Companies proposing to contract as a party to a Joint Venture shall be jointly and severally liable on behalf of the Joint Venture.
C.2.13.5	The Employer's address for delivery of tender offers and identification details to be shown on each tender offer package are as per T1.1 Tender Notice and Invitation to Tender.
C.2.15	The closing time for submission of tender offers is as per T1.1 Tender Notice and Invitation to Tender.
C.2.16	The tender offer validity period is as per T1.1 Tender Notice and Invitation to Tender.
	The tenderer is to submit the Priced Bills of Quantities with the Returnables at the closing of the tender.
C.2.19	Access shall be provided for inspections, tests and analysis as may be required by the Employer.
C.2.22	Tenderers do not have to return all retained tender documents within 28 days after expiry of the Tender validity period.
	Tenderers are to refer to List of Returnable Schedules and Scope of Works to establish what is required to be submitted with this tender.
C.3.4	The location for opening of the tender offers, immediately after the closing time thereof shall be at: KZN Department of Health, 310 Jabu Ndlovu Street, Pietermaritzburg, 3200 at the time indicated on T1.1 Notice and Invitation to Bid
C.3.8	<p>The employer must determine, on opening and before detailed valuation, whether each Tender offer properly received:</p> <ul style="list-style-type: none"> a) complies with the requirements of the Conditions of Tender. b) has been properly and fully completed and signed, and c) is responsive to the other requirements of the Tender documents. <p>A responsive tender is one that conforms to all the terms, conditions and specifications of the tender documents without material deviation or qualification. A material deviation or qualification is one which, in the Employer's opinion, would:</p> <ul style="list-style-type: none"> a) detrimentally affect the scope, quality, or performance of the Works, services or supply identified in the Scope of Work or b) significantly change the Employers or the Tenderers risks and responsibilities under the contract, or c) affect the competitive position of other Tenderers presenting responsive tenders, if it were to be rectified. <p>Reject a non-responsive tender offer, and not allow it to be subsequently made responsive by correction or withdrawal of the non-conforming deviation or reservation.</p>

C.3.13	<p>Tender offers will only be accepted if:</p> <ul style="list-style-type: none"> (a) Tenderers must be registered on Government's Central Supplier Database (CSD) and include their master registration number (MAAA number) on the cover page of the tender document in order to enable the institution to verify the tenderers tax status on the CSD (b) the Tenderer is registered with the Construction Industry Development Board in an appropriate contractor grading designation as is required for this tender and the Tenderer has submitted a CIDB certificate of registration which clearly indicates the status "Active" (c) 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 to the contract in the best interests of the employer or potentially compromise the Tender process. (d) the Tenderer or any of its directors is not listed on the Register of Tender Defaulters in terms of the Prevention and Combating of Corrupt Activities Act, 2004 (Act No. 12 of 2004) as a person prohibited from doing business with the public sector; and (e) the Tenderer has not: <ul style="list-style-type: none"> i) abused the Employer's Supply Chain Management System; or ii) failed to perform on any previous contract and received a written warning/notice or has been terminated on any contract, in the past 5 years with the KZN Department of Health (f) the Tenderer is registered with: <ul style="list-style-type: none"> i) the Workmen's Compensation Fund (g) the Tenderer submitted Authority to Sign the tender. (h) the Tenderer submitted Financial Standing & other resources of Business Declaration. (i) the Tenderer signed the Form of Offer that is part of the Form of Offer and Acceptance. (j) the Tenderer submitted proof of Preference, if applicable. (k) the Tenderer submitted the fully completed Bill of Quantities including Final Summary at tender closing. (l) the Tenderer submitted a completed Bidder's Disclosure (SBD4). (m) the Tenderer submitted Site Inspection Certificate from the Compulsory Briefing Meeting. (n) the Tenderer submitted deliverables required to assess any stated mandatory criteria. (o) the Tenderer has incorporated all issued addenda (if applicable) into their submitted tender document and/or has complied with any instructions given through issued addenda. <p>Providing the form of offer and acceptance does not contain any qualifying statements, it will constitute the formation of a contract between the employer and the successful Tenderer as described in the form of offer and acceptance.</p>
C.3.15	Tenderers are informed that any formal dispute shall be resolved by being referred to Arbitration only.



NYAVINI CLINIC: CONSTRUCTION OF SMALL CLINIC

T1.3 - Annexure C - Standard Conditions of Tender

T1.3 - Annexure C - Standard Conditions of Tender

Note: Where this document refers to Bid or Bidder it shall be read as tender or tenderer

C.1 General

C.1.1 Actions

C.1.1.1 The employer and each tenderer submitting a tender offer shall comply with these conditions of tender. In their dealings with each other, they shall discharge their duties and obligations as set out in F.2 and F.3, timeously and with integrity, and behave equitably, honestly and transparently and comply with all legal obligations and not engage in anticompetitive practices.

C.1.1.2 The employer and the tenderer and all their agents and employees involved in the tender process shall avoid conflicts of interest and where a conflict of interest is perceived or known, declare any such conflict of interest, indicating the nature of such conflict. Tenderer's shall declare any potential conflict of interest in their tender submissions. Employees, agents and advisors of the employer shall declare any conflict of interest to whoever is responsible for overseeing the procurement process or as soon as they become aware of such conflict, and abstain from any decisions where such conflict exists or recuse themselves from the procurement process, as appropriate.

Note: 1) A conflict of interest may arise due to a conflict of roles which might provide an incentive for improper acts in some circumstances. A conflict of interest can create an appearance of impropriety that can undermine confidence in the ability of that person to act properly in his or her position even if no improper acts result.

2) Conflicts of interest in respect of those engaged in the procurement process include direct, indirect or family interests in the tender or outcome of the procurement process and any personal bias, inclination, obligation, allegiance or loyalty which would in any way affect any decisions taken.

C.1.1.3 The employer shall not seek and the tenderer shall not submit a tender without having a firm intention and the capacity to proceed with the contract.

C.1.2 Tender Documents

The documents issued by the employer for the purpose of a tender offer are listed in the **tender data**.

Interpretation

C.1.3.1 The **tender data** and additional requirements contained in the tender schedules that are included in the returnable documents are deemed to be part of these conditions of tender.

C.1.3.2 These conditions of tender, the **tender data** and tender schedules which are required for tender evaluation purposes, shall form part of any contract arising from the invitation to tender.

C.1.3.3 For the purposes of these conditions of tender, the following definitions apply:

- a) **conflict of interest** means any situation in which:
 - i) someone in a position of trust has competing professional or personal interests which make it difficult to fulfil his or her duties impartially;
 - ii) an individual or tenderer is in a position to exploit a professional or official capacity in some way for their personal or corporate benefit; or
 - iii) incompatibility or contradictory interests exist between an employee and the tenderer who employs that employee.
- comparative offer** means the price after the factors of a non-firm price and all unconditional discounts it can be utilised to have been taken into consideration;
- c) **corrupt practice** means the offering, giving, receiving or soliciting of anything of value to influence the action of the employer or his staff or agents in the tender process;
- d) **fraudulent practice** means the misrepresentation of the facts in order to influence the tender process or the award of a contract arising from a tender offer to the detriment of the employer, including collusive practices intended to establish prices at artificial levels.

C.1.4 Communication and employer's agent

Each communication between the employer and a tenderer shall be to or from the employer's agent only, and in a form that can be read, copied and recorded. Communication shall be in the English language. The employer shall not take any responsibility for non-receipt of communications from or by a tenderer. The name and contact details of the employer's agent are stated in the **tender data**.

C.1.5 Cancellation and Re-Invitation of Tenders

C.1.5.1 An employer may, prior to the award of the tender, cancel a tender if-

- a) due to changed circumstances, there is no longer a need for the engineering and construction works specified in the invitation;
- b) funds are no longer available to cover the total envisaged expenditure; or
- c) no acceptable tenders are received.
- d) there is a material irregularity in the tender process.

C.1.5.2 The decision to cancel a tender invitation must be published in the same manner in which the original tender invitation was advertised.

C.1.5.3 An Employer may only with the prior approval of the relevant treasury cancel a tender invitation for the second time.

C.1.6 Procurement procedures

C.1.6.1 General

Unless otherwise stated in the **tender data**, a contract will, subject to F.3.13, be concluded with the tenderer who in terms of F.3.11 is the highest ranked or the tenderer scoring the highest number of tender evaluation points, as relevant, based on the tender submissions that are received at the closing time for tenders.

C.1.6.2 Competitive negotiation procedure

C.1.6.2.1 Where the **tender data** requires that the competitive negotiation procedure is to be followed, tenderers shall submit tender offers in response to the proposed contract in the first round of submissions. Notwithstanding the requirements of F.3.4, the employer shall announce **only** the names of the tenderers who make a submission. The requirements of F.3.8 relating to the material deviations or qualifications which affect the competitive position of tenderers shall not apply.

C.1.6.2.2 All responsive tenderers, or at least a minimum of not less than three responsive tenderers that are highest ranked in terms of the evaluation criteria stated in the **tender data**, shall be invited to enter into competitive negotiations based on the principle of equal treatment, keeping confidential the proposed solutions and associated information. Notwithstanding the provisions of C.2.17, the employer may request that tenders be clarified, specified and fine-tuned in order to improve a tenderer's competitive position provided that such clarification, specification, fine-tuning or additional information does not alter any fundamental aspects of the offers or impose substantial new requirements which restrict or distort competition or have a discriminatory effect.

C.1.6.2.3 At the conclusion of each round of negotiations, tenderers shall be invited by the employer to revise their tender offer based on the same evaluation criteria, with or without adjusted weightings. Tenderers shall be advised when they are to submit their best and final offer.

C.1.6.2.4 The contract shall be awarded in accordance with the provisions of C.3.11 and C.3.13 after tenderers have been requested to submit their best and final offer.

C.1.6.3 Proposal procedure using the two stage-system

C.1.6.3.1

Option 1

Tenderers shall in the first stage submit technical proposals and, if required, cost parameters around which a contract may be negotiated. The employer shall evaluate each responsive submission in terms of the method of evaluation stated in the **tender data**, and in the second stage negotiate a contract with the tenderer scoring the highest number of evaluation points and award the contract in terms of these conditions of tender.

F.1.6.3.2

Option 2

C.1.6.3.2.1 Tenderers shall submit in the first stage only technical proposals. The employer shall invite all responsive tenderers to submit tender offers in the second stage, following the issuing of procurement documents.

C.1.6.3.2.2 The employer shall evaluate tenders received during the second stage in terms of the method of evaluation stated in the **tender data**, and award the contract in terms of these conditions of tender.

C.2 Tenderer's obligations

C.2.1 Eligibility

C.2.1.1 Submit a tender offer only if the tenderer satisfies the criteria stated in the **tender data** and the tenderer, or any of his principals, is not under any restriction to do business with employer.

C.2.1.2 Notify the employer of any proposed material change in the capabilities or formation of the tendering entity (or both) or any other criteria which formed part of the qualifying requirements used by the employer as the basis in a prior process to invite the tenderer to submit a tender offer and obtain the employer's written approval to do so prior to the closing time for tenders.

C.2.2 Cost of tendering

C.2.2.1 Accept that, unless otherwise stated in the **tender data**, the employer will not compensate the tenderer for any costs incurred in the preparation and submission of a tender offer, including the costs of any testing necessary to demonstrate that aspects of the offer complies with requirements.

C.2.2.2 The cost of the tender documents charged by the employer shall be limited to the actual cost incurred by the employer for printing the documents. Employers must attempt to make available the tender documents on its website so as not to incur any costs pertaining to the printing of the tender documents.

C.2.3 Check documents

Check the tender documents on receipt for completeness and notify the employer of any discrepancy or omission.

C.2.4 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.

C.2.5 Reference documents

Obtain, as necessary for submitting a tender offer, copies of the latest versions of standards, specifications, conditions of contract and other publications, which are not attached but which are incorporated into the tender documents by reference.

C.2.6 Acknowledge addenda

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.

C.2.7 Clarification meeting

Attend, where required, a clarification meeting at which tenderers may familiarize themselves with aspects of the proposed work, services or supply and raise questions. Details of the meeting(s) are stated in the **tender data**.

C.2.8 Seek clarification

Request clarification of the tender documents, if necessary, by notifying the employer at least five (5) working days before the closing time stated in the **tender data**.

C.2.9 Insurance

Be aware that the extent of insurance to be provided by the employer (if any) might not be for the full cover required in terms of the conditions of contract identified in the **contract data**. The tenderer is advised to seek qualified advice regarding insurance.

C.2.10 Pricing the tender offer

C.2.10.1 Include in the rates, prices, and the tendered total of the prices (if any) all duties, taxes (except Value Added Tax (VAT)), and other levies payable by the successful tenderer, such duties, taxes and levies being those applicable 14 days before the closing time stated in the **tender data**.

C.2.10.2 Show VAT payable by the employer separately as an addition to the tendered total of the prices.

C.2.10.3 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**.

C.2.10.4 State the rates and prices in Rand unless instructed otherwise in the **tender data**. The conditions of contract identified in the contract data may provide for part payment in other currencies.

C.2.11 Alterations to documents

Do not make any alterations or additions to the tender documents, except to comply with instructions issued by the employer, or necessary to correct errors made by the tenderer. All signatories to the tender offer shall initial all such alterations.

C.2.12 Alternative tender offers

C.2.12.1 Unless otherwise stated in the **tender data**, submit alternative tender offers only if a main tender offer, strictly in accordance with all the requirements of the tender documents, is also submitted as well as a schedule that compares the requirements of the tender documents with the alternative requirements that are proposed.

C.2.12.2 Accept that an alternative tender offer must be based only on the criteria stated in the **tender data** or criteria otherwise acceptable to the employer.

C.2.12.3 An alternative tender offer must only be considered if the main tender offer is the winning tender.

C.2.13 Submitting a tender offer

C.2.13.1 Submit one tender offer only, either as single tendering entity or as a member in a joint venture to provide the whole of the works, services or supply identified in the **contract data** and described in the **scope of works**, unless stated otherwise in the **tender data**.

C.2.13.2 Return all returnable documents to the employer after completing them in their entirety, either electronically (if they were issued in electronic format) or by writing legibly in non-erasable ink.

C.2.13.3 Submit the parts of the tender offer communicated on paper as an original plus the number of copies stated in the **tender data**, with an English translation of any documentation in a language other than English, and the parts communicated electronically in the same format as they were issued by the employer.

C.2.13.4 Sign the original and all copies of the tender offer where required in terms of the **tender data**. The employer will hold all authorized signatories liable on behalf of the tenderer. Signatories for tenderers proposing to contract as joint ventures shall state which of the signatories is the lead partner whom the employer shall hold liable for the purpose of the tender offer.

C.2.13.5 Seal the original and each copy of the tender offer as separate packages marking the packages as "ORIGINAL" and "COPY". Each package shall state on the outside the employer's address and identification details stated in the **tender data**, as well as the tenderer's name and contact address.

C.2.13.6 Where a two-envelope system is required in terms of the **tender data**, place and seal the returnable documents listed in the tender data in an envelope marked "financial proposal" and place the remaining returnable documents in an envelope marked "technical proposal". Each envelope shall state on the outside the employer's address and identification details stated in the **tender data**, as well as the tenderer's name and contact address.

C.2.13.7 Seal the original tender offer and copy packages together in an outer package that states on the outside only the employer's address and identification details as stated in the **tender data**.

C.2.13.8 Accept that the employer will 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.

C.2.13.9 Accept that tender offers submitted by facsimile or e-mail will be rejected by the employer, unless stated otherwise in the **tender data**.

C.2.14 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 non-responsive.

C.2.15 Closing time

C.2.15.1 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. Accept that proof of posting shall not be accepted as proof of delivery.

C.2.15.2 Accept that, if the employer extends the closing time stated in the **tender data** for any reason, the requirements of these conditions of tender apply equally to the extended deadline.

C.2.16 Tender offer validity

C.2.16.1 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**.

C.2.16.2 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.

C.2.16.3 Accept that a tender submission that has been submitted to the employer may only be withdrawn or substituted by giving the employer's agent written notice before the closing time for tenders that a tender is to be withdrawn or substituted. If the validity period lapses before the employer evaluating the tender offer(s), the contractor reserves the right to review the price based on Consumer Price Index (CPI)

C.2.16.4 Where a tender submission is to be substituted, a tenderer must submit a substitute tender in accordance with the requirements of C.2.13 with the packages clearly marked as "SUBSTITUTE".

C.2.17 Clarification of tender offer after submission

Provide clarification of a tender offer in response to a request to do so from the employer during the evaluation of tender offers. This may include providing a breakdown of rates or prices and correction of arithmetical errors by the adjustment of certain rates or item prices (or both). No change in the competitive position of tenderers or substance of the tender offer is sought, offered, or permitted.

Note: *Sub-clause C.2.17 does not preclude the negotiation of the final terms of the contract with a preferred tenderer following a competitive selection process, should the Employer elect to do so.*

C.2.18 Provide other material

C.2.18.1 Provide, on request by the employer, any other material that has a bearing on the tender offer, the tenderer's commercial position (including notarized joint venture agreements), preferencing arrangements, or samples of materials, considered necessary by the employer for the purpose of a full and fair risk assessment. Should the tenderer not provide the material, or a satisfactory reason as to why it cannot be provided, by the time for submission stated in the employers request, the employer may regard the tender offer as non-responsive.

C.2.18.2 Dispose of samples of materials provided for evaluation by the employer, where required.

C.2.19 Inspections, tests and analysis

Provide access during working hours to premises for inspections, tests and analysis as provided for in the **tender data**.

C.2.20 Submit securities, bonds and policies

If requested, submit for the employer's acceptance before formation of the contract, all securities, bonds, guarantees, policies and certificates of insurance required in terms of the conditions of contract identified in the **contract data**.

C.2.21 Check final draft

Check the final draft of the contract provided by the employer within the time available for the employer to issue the contract.

C.2.22 Return of other tender documents

If so instructed by the employer, return all retained tender documents within 28 days after the expiry of the validity period stated in the **tender data**.

C.2.23 Certificates

Include in the tender submission or provide the employer with any certificates as stated in the **tender data**.

C.3 The employer's undertakings

C.3.1 Respond to request from the tenderer

C.3.1.1 Unless otherwise stated in the **tender data**, respond to a request for clarification received up to five (5) working days before the tender closing time stated in the **tender data** and notify all tenderers who collected tender documents.

C.3.1.2 Consider any request to make a material change in the capabilities or formation of the tendering entity (or both) or any other criteria which formed part of the qualifying requirements used to prequalify a tenderer to submit a tender offer in terms of a previous procurement process and deny any such request if as a consequence:

- a) an individual firm, or a joint venture as a whole, or any individual member of the joint venture fails to meet any of the collective or individual qualifying requirements;
- b) the new partners to a joint venture were not prequalified in the first instance, either as individual firms or as another joint venture; or
- c) in the opinion of the Employer, acceptance of the material change would compromise the outcome of the prequalification process.

C.3.2 Issue Addenda

If necessary, issue addenda that may amend or amplify the tender documents to each tenderer during the period from the date that tender documents are available until three (3) days before the tender closing time stated in the **tender data**. If, as a result a tenderer applies for an extension to the closing time stated in the **tender data**, the Employer may grant such extension and, shall then notify all tenderers who collected tender documents.

C.3.3 Return late tender offers

Return tender offers received after the closing time stated in the **tender data**, unopened, (unless it is necessary to open a tender submission to obtain a forwarding address), to the tenderer concerned.

C.3.4 Opening of tender submissions

C.3.4.1 Unless the two-envelope system is to be followed, open valid tender submissions in the presence of tenderers' agents who choose to attend at the time and place stated in the **tender data**. Tender submissions for which acceptable reasons for withdrawal have been submitted will not be opened.

C.3.4.2 Announce at the meeting held immediately after the opening of tender submissions, at a venue indicated in the **tender data**, the name of each tenderer whose tender offer is opened and, where applicable, the total of his prices, number of points claimed for its BBBEE status level and time for completion for the main tender offer only.

C.3.4.3 Make available the record outlined in C.3.4.2 to all interested persons upon request.

C.3.5 Two-envelope system

C.3.5.1 Where stated in the tender data that a two-envelope system is to be followed, open only the technical proposal of valid tenders in the presence of tenderers' agents who choose to attend at the time and place stated in the **tender data** and announce the name of each tenderer whose technical proposal is opened.

C.3.5.2 Evaluate the functionality of the technical proposals offered by tenderers, then advise tenderers who remain in contention for the award of the contract of the time and place when the financial proposals will be opened. Open only the financial proposals of tenderers, who score in the functionality evaluation more than the minimum number of points for functionality stated in the **tender data**, and announce the score obtained for the technical proposals and the total price and any points claimed on BBBEE status level. Return unopened financial proposals to tenderers whose technical proposals failed to achieve the minimum number of points for functionality.

C.3.6 Non-disclosure

Not disclose to tenderers, or to any other 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.

C.3.7 Grounds for rejection and disqualification

Determine whether there has been any effort by a tenderer to influence the processing of tender offers and instantly disqualify a tenderer (and his tender offer) if it is established that he engaged in corrupt or fraudulent practices.

C.3.8 Test for responsiveness

C.3.8.1 Determine, after opening and before detailed evaluation, whether each tender offer properly received:

- a) complies with the requirements of these Conditions of Tender,
- b) has been properly and fully completed and signed, and
- c) is responsive to the other requirements of the tender documents.

C.3.8.2 A responsive tender is one that conforms to all the terms, conditions, and specifications of the tender documents without material deviation or qualification. A material deviation or qualification is one which, in the Employer's opinion, would:

- a) detrimentally affect the scope, quality, or performance of the works, services or supply identified in the Scope of Work,
- b) significantly change the Employer's or the tenderer's risks and responsibilities under the contract, or
- c) affect the competitive position of other tenderers presenting responsive tenders, if it were to be rectified.

Reject a non-responsive tender offer, and not allow it to be subsequently made responsive by correction or withdrawal of the non-conforming deviation or reservation.

C.3.9 Arithmetical errors, omissions and discrepancies

- C.3.9.1** 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.
- C.3.9.2** Check the highest ranked tender or tenderer with the highest number of tender evaluation points after the evaluation of tender offers in accordance with F.3.11 for:
- a) the gross misplacement of the decimal point in any unit rate;
 - b) omissions made in completing the pricing schedule or bills of quantities; or
 - c) arithmetic errors in:
 - i) line items totals resulting from the product of a unit rate and a quantity in bills of quantities or schedules of prices; or
 - ii) the summation of the prices.
- C.3.9.3** Notify the tenderer of all errors or omissions that are identified in the tender offer and either confirm the tender offer as tendered or accept the corrected total of prices
- C.3.9.4** Where the tenderer elects to confirm the tender offer as tendered, correct the errors as follows:
- a) If bills of quantities or pricing schedules apply and there is an error in the line item total resulting from the product of the unit rate and the quantity, the line item total shall govern and the rate shall be corrected. Where there is an obviously gross misplacement of the decimal point in the unit rate, the line item total as quoted shall govern, and the unit rate shall be corrected.
 - b) Where there is an error in the total of the prices either as a result of other corrections required by this checking process or in the tenderer's addition of prices, the total of the prices shall govern and the tenderer will be asked to revise selected item prices (and their rates if bills of quantities apply) to achieve the tendered total of the prices.

C.3.10 Clarification of a tender offer

Obtain clarification from a tenderer on any matter that could give rise to ambiguity in a contract arising from the tender offer.

C.3.11 Evaluation of tender offers

The Standard Conditions of Tender standardize the procurement processes, methods and procedures from the time that tenders are invited to the time that a contract is awarded. They are generic in nature and are made project specific through choices that are made in developing the Tender Data associated with a specific project.

Conditions of tender are by definition the document that establishes a tenderer's obligations in submitting a tender and the employer's undertakings in soliciting and evaluating tender offers. Such conditions establish the rules from the time a tender is advertised to the time that a contract is awarded and require employers to conduct the process of offer and acceptance in terms of a set of standard procedures

The CIDB Standard Conditions of Tender are based on a procurement system that satisfies the following system requirements:	
Requirement	Qualitative interpretation of goal
Fair	The process of offer and acceptance is conducted impartially without bias, providing simultaneous and timely access to participating parties to the same information.
Equitable	Terms and conditions for performing the work do not unfairly prejudice the interests of the parties.
Transparent	The only grounds for not awarding a contract to a tenderer who satisfies all requirements are restrictions from doing business with the employer, lack of capability or capacity, legal impediments and conflicts of interest.
Competitive	The system provides for appropriate levels of competition to ensure cost effective and best value outcomes.
Cost effective	The processes, procedures and methods are standardized with sufficient flexibility to attain best value outcomes in respect of quality, timing and price, and least resources to effectively manage and control procurement processes.

The activities associated with evaluating tender offers are as follows:

- a) Open and record tender offers received
- b) Determine whether or not tender offers are complete
- c) Determine whether or not tender offers are responsive
- d) Evaluate tender offers
- e) Determine if there are any grounds for disqualification
- f) Determine acceptability of preferred tenderer
- g) Prepare a tender evaluation report
- h) Confirm the recommendation contained in the tender evaluation report

C.3.11.1 General

The employer must appoint an evaluation panel of not less than three persons conversant with the proposed scope of works to evaluate each responsive tender offer using the tender evaluation methods and associated evaluation criteria and weightings that are specified in the tender data.

C.3.12 Insurance provided by the employer

If requested by the proposed successful tenderer, submit for the tenderer's information the policies and / or certificates of insurance which the conditions of contract identified in the **contract data**, require the employer to provide.

C.3.13 Acceptance of tender offer

Accept tender offer, if in the opinion of the employer, it does not present any risk and only if the tenderer:

- a) Is not under restrictions, or has principals who are under restrictions, preventing participating in the employer's procurement,
- b) can, as necessary and in relation to the proposed contract, demonstrate that he or she possesses the professional and technical qualifications, professional and technical competence, financial resources, equipment and other physical facilities, managerial capability, reliability, experience and reputation, expertise and the personnel, to perform the contract,
- c) has the legal capacity to enter into the contract,
- d) is not; insolvent, in receivership, under Business Rescue as provided for in chapter 6 of the Companies Act No. 2008, bankrupt or being wound up, has his/her affairs administered by a court or a judicial officer, has suspended his/her business activities or is subject to legal proceedings in respect of any of the foregoing;
- e) complies with the legal requirements, if any, stated in the **tender data**, and
- f) is able, in the opinion of the employer, to perform the contract free of conflicts of interest.

C.3.14 Prepare contract documents

C.3.14.1 If necessary, revise documents that shall form part of the contract and that were issued by the employer as part of the tender documents to take account of:

- a) addenda issued during the tender period,
- b) inclusion of some of the returnable documents, and
- c) other revisions agreed between the employer and the successful tenderer.

C.3.14.2 Complete the schedule of deviations attached to the form of offer and acceptance, if any.

C.3.15 Complete Adjudicator's Contract

Unless alternative arrangements have been agreed or otherwise provided for in the contract, arrange for both parties to complete formalities for appointing the selected adjudicator at the same time as the main contract is signed.

C.3.16 Registration of the Award

An Employer must, within twenty-one (21) working days from the date on which a contractor's offer to perform a construction works contract is accepted in writing by the employer, register and publish the award on the cidb Register of Projects.

C.3.17 Provide copies of the contracts

Provide to the successful tenderer the number of copies stated in the tender data of the signed copy of the contract as soon as possible after completion and signing of the form of offer and acceptance.

C.3.18 Provide written reasons for actions taken

Provide upon request written reasons to tenderers for any action that is taken in applying these conditions of tender but withhold information which is not in the public interest to be divulged, which is considered to prejudice the legitimate commercial interests of tenderers or might prejudice fair competition between tenderers.



NYAVINI CLINIC: CONSTRUCTION OF SMALL CLINIC

PART T2 - RETURNABLE DOCUMENTS

T2.1 LIST OF RETURNABLE DOCUMENTS

Project title:	NYAVINI CLINIC: CONSTRUCTION OF SMALL CLINIC		
Project Manager:	William Coetzee	Tender no:	ZNB 5549/2023-H

STAGE 1 VERIFICATION: MINIMUM MANDATORY / COMPULSORY REQUIREMENTS FOR TENDER EVALUATION PURPOSES

(Tenderer to Insert a tick (✓) in the "Returnable document" column to check which documents he/she returned with the tender)

Document name	Returnable document	
Invitation to Tender - SBD 1 (T2.37)	Yes	
Bidder's Disclosure - SBD 4 (T2.11)	Yes	
Authority to Sign Tender (T2.2)	Yes	
Authority for Consortia or Joint Venture's to Sign Tender (T2.3)	Yes	
Special Resolution of Consortia or Joint Venture's (If applicable) (T2.4)	Yes	
Joint Venture Involvement Declaration (If applicable) (T2.5)	Yes	
Financial Standing and other resources of Business Declaration (T2.8)	Yes	
Site Inspection Certificate as proof for attendance of compulsory briefing meeting (T2.10)	Yes	
Record of Addenda to Tender Documents (T2.12)	Yes	
Schedule of Imported Materials and Equipment (T2.14)	Yes	
Latest Audited Annual Financial Statement (T2.15a)	Yes	
Contractor's Safety, Health and Environmental Declaration. (T2.17)	Yes	
Compulsory Enterprise Questionnaire (T2.18)	Yes	
Tax Compliance Status (TCS) PIN to verify on line Compliance Supplier Status via e-Filing (T2.19)	Yes	
Proof of Good Standing with the Compensation Commissioner (Attach) (T2.20)	Yes	
Form of Offer and Acceptance (Bound into Section 1 of 2) (T2.21)	Yes	
Proof of UIF Registration (T2.24)	Yes	
The National Industrial Participation Programme (T2.25)	Yes	
Proof of Registration Number on the Central Suppliers Database (T2.27)	Yes	
Complete Priced Bill of Quantities	Yes	

DOCUMENTS REQUIRED FOR THE EVALUATION OF MANDATORY TECHNICAL CRITERIA (IF APPLICABLE) - T2.29

(Tenderer to Insert a tick (✓) in the "Returnable document" column to check which documents he/she returned with the Tender)

Tender document requirement	Returnable	

>The documents, as stated in the above table if applicable, must be submitted with the tender by the closing date and time as determined by the KZN Department of Health. Should these documents not be submitted by the tenderer as required, then the tender will be declared as non-responsive and will be disqualified. Should the tenderer submit the required documentation but the evaluation committee requires further clarity/information to conduct their assessment, then the tenderer may be contacted to provide this additional information failing which the tenderer shall be eliminated from the evaluation process.

Note:

STAGE 2 DOCUMENTS REQUIRED FOR THE EVALUATION OF FUNCTIONALITY - T2.36

(Tenderer to Insert a tick (✓) in the "Returnable document" column to check which documents he/she returned with the Tender)

Tender document requirement	Returnable	
Bank code rating letter stating financial standing issued by the bank, for the tendered value or greater, not older than 3 months. Letter must state value to be allocated points	Yes	<input type="checkbox"/>
Tenderer to demonstrate their technical competency, human resource capacity and relevant project experience. Letters of award to be attached and practical completion certificate for completed projects in the preceding 5 years	Yes	<input type="checkbox"/>
Tenderer to submit a detailed project organogram that sets out the roles and responsibilities of each proposed team member, which is backed up by their curriculum vitae that demonstrates extensive experience	Yes	<input type="checkbox"/>

STAGE 3 EVALUATION OF PRICE AND PREFERENCE - T2.9

The Department has identified the following specific goal:

- full points(20 points) to companies who are at least 51% Owned by Black People

Ownership verification will be conducted through Central Suppliers Database by National Treasury, through the B-BBEE scorecard attributes or Companies and Intellectual Property Commission (CIPC), using Municipal Local Economic Development Database, Confirmation Letters from Municipality and councillors

(Tenderer to Insert a tick (✓) in the "Returnable document" column to check which documents he/she returned with the tender)

Document name	Returnable document	
Proof of ownership in the form of printouts from CSD or CIPC clearly indicating ownership details	Yes	<input type="checkbox"/>

T2.2 AUTHORITY TO SIGN TENDER

RESOLUTION of a meeting of the Board of *Directors / Members / Partners of:

(Legally correct full name and registration number, if applicable, of the Enterprise)

held at (town): _____ on (date): _____

RESOLVED that:

1. The Enterprise submits a Tender to the KZN Department of Health in respect of the following project:

NYAVINI CLINIC: CONSTRUCTION OF SMALL CLINIC

Tender Number: **ZNB 5549/2023-H**

2.

*Mr./Mrs./Ms: _____

in *his/her capacity as: _____ (Position in the Enterprise)

and who will sign as follows: _____ (Authorised Signatory)

be, and is hereby, authorised to sign the Tender, and any and all other documents and/or correspondence in connection with and relating to this Tender, as well as to sign any Contract, and any and all documentation, resulting from the award of the Tender to the Enterprise mentioned above.

	Name	Capacity	Signature
1			
2			
3			
4			
5			
6			
7			
8			

Note:

1. *Delete which is not applicable.
2. NB. This resolution / Power of Attorney must be signed by all the Directors / Members / Partners of the Legal Tendering Enterprise authorising the Representative to make this Offer.
3. Should the number of Directors / Members/Partners exceed the space available above, additional names and signatures must be supplied on a separate page.
4. In the case of the tendering Enterprise being a Close Corporation, a **copy of the Founding Statement** of such corporation must be attached to this tender.

ENTERPRISE STAMP (If Any)

T2.3 AUTHORITY FOR CONSORTIA OR JOINT VENTURES TO SIGN TENDER

RESOLUTION of a meeting of the Board of *Directors / Members / Partners of:

(Legally correct full name and registration number, if applicable, of the Enterprise)

held at (town): _____ on (date): _____

RESOLVED that:

1. The Enterprise submits a Tender, in consortium/Joint Venture with the following Enterprises:

(List all the legally correct full names and registration numbers, if applicable, of the Enterprises forming the Consortium/Joint Venture)

to the KZN Department of Health in respect of the following project:

NYAVINI CLINIC: CONSTRUCTION OF SMALL CLINIC

Tender Number: **ZNB 5549/2023-H**

2. * Mr. / Mrs. / Ms.: _____ in

*his/her Capacity as: _____ *(Position in the Enterprise)*

and who will sign as follows:

_____ be, and is hereby, authorised to sign a consortium/joint venture agreement with the parties listed under item 1 above, and any and all other documents and/or correspondence in connection with and relating to the consortium/joint venture, in respect of the project described under item 1 above.

3. The Enterprise accepts joint and several liability with the parties listed under item 1 above for the due fulfilment of the obligations of the joint venture deriving from, and in any way connected with, the Contract to be entered into with the Department in respect of the project described under item 1 above.
4. The Enterprise chooses as its *domicilium citandi et executandi* for all purposes arising from this joint venture agreement and the Contract with the Department in respect of the project under item 1 above:

Physical address: _____

(Postal Code)

Postal Address: _____

(Postal Code)

Telephone number: (Dialling Code followed by number) _____

Fax number: (Dialling Code followed by number) _____

Email Address : _____

***BOARD OF DIRECTORS / MEMBERS / PARTNERS in Consortium of Joint Venture**

	Name	Capacity	Signature
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			

Note:

1. * Delete which is not applicable.
2. NB. This resolution / Power of Attorney must be signed by all the Directors / Members / Partners of the Tendering Enterprise.
3. Should the number of Directors / Members/Partners exceed the space available above, additional names and signatures must be supplied on a separate page.

ENTERPRISE STAMP (If Any)

Deemed to satisfy joint venture arrangements

Grading 2 + Grading 2 + Grading 2
Grading 3 + Grading 3 + Grading 3
Grading 4 + Grading 4
Grading 4 + Grading 3 + Grading 3
Grading 5 + Grading 5
Grading 5 + Grading 4 + Grading 4
Grading 6 + Grading 6
Grading 6 + Grading 5 + Grading 5
Grading 7 + Grading 7 + Grading 7
Grading 8 + Grading 8 + Grading 8

Designation

= 3
= 4
= 5
= 5
= 6
= 6
= 7
= 7
= 8
= 9

Tenderers who envisage entering into a Joint Venture shall complete a submit a Joint Venture Agreement (see copy of CIDB's agreement elsewhere in this document) with this Tender.

T2.4 SPECIAL RESOLUTION OF CONSORTIA OR JOINT VENTURES

RESOLUTION of a meeting of the duly authorised representatives of the following legal entities who have entered into a consortium/joint venture to jointly tender for the project mentioned below: *(legally correct full names and registration numbers, of the Enterprises forming a Consortium/Joint Venture)*

- _____
- _____
- 2. _____
- _____
- 3. _____
- _____
- 4. _____
- _____
- 5. _____
- _____
- 6. _____
- _____
- 7. _____
- _____
- 8. _____
- _____

held at: _____ (place) on _____ (date)

RESOLVED that:

- A. The above-mentioned Enterprises submits a Tender in Consortium/Joint Venture to the KZN Department of Health in respect of the following project:

NYAVINI CLINIC: CONSTRUCTION OF SMALL CLINIC

Tender Number: **ZNB 5549/2023-H**

Project Code: **TBA**

B. Mr/Mrs/Ms: _____ in

*his/her Capacity as: _____ (Position in the Enterprise)

and who will sign as follows:

be, and is hereby, authorised to sign the Tender, and any and all other documents and/or correspondence in connection with and relating to the Tender, as well as to sign any Contract, and any and all documentation, resulting from the award of the Tender to the Enterprises in Consortium/Joint Venture mentioned above.

C. The Enterprises constituting the Consortium/Joint Venture, notwithstanding its composition, shall conduct all business under the name and style of:

D. The Enterprises to the Consortium/Joint Venture accept joint and several liability for the due fulfilment of the obligations of the Consortium/Joint Venture deriving from, and in any way connected with, the Contract entered into with the Department in respect of the project described under item A above.

E. Any of the Enterprises to the Consortium/Joint Venture intending to terminate the consortium/joint venture agreement, for whatever reason, shall give the Department 30 days written notice of such intention. Notwithstanding such decision to terminate, the Enterprises shall remain jointly and severally liable to the Department for the due fulfilment of the obligations of the Consortium/Joint Venture as mentioned under item D above.

F. No Enterprise to the Consortium/Joint venture shall, without the prior written consent of the other Enterprises to the Consortium/Joint Venture and of the Department, cede any of its rights or assign any of its obligations under the consortium/joint Venture and of the Department, cede any of its rights or assign any of its obligations under the consortium/joint venture agreement in relation to the Contract with the Department referred to herein.

G. The Enterprises choose as the *domicilium citandi et executandi* of the consortium/joint venture for all purposes arising from the consortium/joint venture agreement and the Contract with the Department in respect of the project under item A above:

Physical address: _____

_____ (Postal Code)

Postal Address: _____

_____ (Postal Code)

Telephone number: (Dialling Code followed by number) _____

Fax number: (Dialling Code followed by number) _____

Email Address : _____

***BOARD OF DIRECTORS / MEMBERS / PARTNERS in Consortium of Joint Venture**

	Name	Capacity	Signature
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			

Note:

1. * Delete which is not applicable.
2. **NB.** This resolution / Power of Attorney must be signed by all the Duly Authorised Representatives of the Legal Entities to the Consortium/Joint Venture submitting this Tender.
3. Should the number of Duly Authorised Representatives of the Legal Entities joining forces in this Tender exceed the space available above, additional names and signatures must be supplied on a separate page.
4. Resolutions, duly completed and signed, from the separate Enterprises who participate in this Consortium/Joint Venture must be attached to the Special Resolution.

T2.5 JOINT VENTURES INVOLVEMENT DECLARATION

Project title:	NYAVINI CLINIC: CONSTRUCTION OF SMALL CLINIC		
Tender no:	ZNB 5549/2023-H	Project Code:	TBA

DECLARATION RELATING TO A TENDER SUBMITTED BY A JOINT VENTURE :

I/We the undersigned parties do hereby declare that our respective involvement in the Works, of which I/we tender by Joint Venture, would be as follows :-

Party No. 1	
CENTRAL SUPPLIERS DATABASE REGISTRATION NO:	
TENDERERS CIDB REGISTRATION NUMBER:	
Name	
Address	
Percentage involvement	%

Party No. 2	
CENTRAL SUPPLIERS DATABASE REGISTRATION NO:	
TENDERERS CIDB REGISTRATION NUMBER:	
Name	
Address	
Percentage involvement	%

Party No. 3	
CENTRAL SUPPLIERS DATABASE REGISTRATION NO:	
TENDERERS CIDB REGISTRATION NUMBER:	
Name	
Address	
Percentage involvement	%

Signed - Party No. 1

I/We (Full Name) _____

duly authorised in my capacity as _____

of (Enterprise name): _____

do jointly and severally accept responsibility for the due performance of the Works contained in the above project should such Tender submitted by the Joint Venture be accepted.

do jointly and severally accept responsibility for the due performance of the Works contained in the above project should such tender submitted by the Joint Venture be accepted.

Signed by Authorised Representative

Date

Signed - Party No. 2

I/We (Full Name) _____

duly authorised in my capacity as _____

of (Enterprise name): _____

do jointly and severally accept responsibility for the due performance of the Works contained in the above project should such tender submitted by the Joint Venture be accepted.

Signed by Authorised Representative

Date

Signed - Party No. 3

I/We (Full Name) _____

duly authorised in my capacity as _____

of (Enterprise name): _____

do jointly and severally accept responsibility for the due performance of the Works contained in the above project

Signed by Authorised Representative

Date

T2.8 FINANCIAL STANDING AND OTHER RESOURCES OF BUSINESS DECLARATION			
Project title:	NYAVINI CLINIC: CONSTRUCTION OF SMALL CLINIC		
Tender no:	ZNB 5549/2023-H	Project Code:	TBA

- (a) Based on the track record determined on the Minimum Average Annual Turnover coupled to the assessed Works Capabilities of Contracting Enterprises, the Construction Industry Development Board (CIDB) awards Grading Designations and accordingly registers it on the system.

This confirms that a Contractor has, at the time of registration, in the absence of any supply side interventions, sufficient working capital to commence the Works for a single contract and render due performance.

- (b) However, it regularly occurs that a Contractor will at the same time submit tenders for a number of projects that are advertised during an overlapping period. Moreover, the Contractor may be busy with a Contract that is of the registered CIDB Grading Designation (value) or is even attending to a number of smaller valued Contracts.
- (c) It therefore becomes the prerogative of a Tenderer in such instances to prove to the Department that the Enterprise has the capacity in every respect to attend to more than one (1) contract at a time.
- (d) A Tenderer who wishes to be considered for this tender Contract award, over and above other tenders that they have submitted, shall submit if/when requested by the DoH the necessary proof that:
- (i) he/she has access to additional finance (inclusive of a PERFORMANCE GUARANTEE BY A REGISTERED FINANCIAL INSTITUTION),
 - (ii) he/she has additional Human Resources available to successfully complete this project.
 - (iii) he/she has adequate Equipment, Plant and Machinery that all of the above can, undoubtedly, be sourced for this tender. (Please submit to the DoH the name and contact details of the supplier if the Tenderer is going to hire Equipment, Plant or Machinery, when requested.)

I, the undersigned,

(name of person authorized to sign on behalf of the Tenderer)

understand that it is the responsibility of the Tenderer to prove and provide if/when requested by the DoH, evidence of the good Financial Standing of the Business to complete the Contract successfully.

Furthermore, it is understood that failure to provide if/when requested by DoH, at least the information as stated in paragraphs (d)(i)(ii) AND (iii) above will not enable the Evaluation Team to assess the CURRENT financial standing of the Business and the failure to provide said information when requested will, therefore, invalidate the Tender.

I accept and understand that the KZN Department of Health, as representative of the Provincial Administration of KwaZulu-Natal in this tender, may act against me and the Tenderer, jointly and severally, should this declaration and/or any information provided be found to be false.

Duly signed at..... on this the..... day of..... 20.....

Full Name of Signatory _____

Name of Enterprise _____

Capacity of Signatory _____

Signature of authorised representative _____

T2.9 PREFERENCE POINTS CLAIM - SBD 6.1			
Project title:	NYAVINI CLINIC: CONSTRUCTION OF SMALL CLINIC		
Tender no:	ZNB 5549/2023-H	Project Code:	TBA

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

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

BEFORE COMPLETING THIS FORM, TENDERERS MUST STUDY THE GENERAL CONDITIONS, DEFINITIONS AND DIRECTIVES APPLICABLE IN RESPECT OF B-BBEE, AS PRESCRIBED IN THE PREFERENTIAL PROCUREMENT REGULATIONS, 2022.

1. GENERAL CONDITIONS

1.1 The following preference point systems are applicable to all Tenders:

- the 80/20 system for requirements with a Rand value of up to R 50 000 000 (all applicable taxes included); and
- the 90/10 system for requirements with a Rand value above R 50 000 000 (all applicable taxes included).

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

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

(a) Price points and	90
(b) Specific Goals	10

1.4 The maximum points for this tender are allocated as follows:

	POINTS
PRICE	80
SPECIFIC GOALS	10
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 OR 90/10 PREFERENCE POINT SYSTEMS

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

$$P_s = 80 \left(1 - \frac{P_t - P_{\min}}{P_{\min}} \right) \quad \text{or} \quad P_s = 90 \left(1 - \frac{P_t - P_{\min}}{P_{\min}} \right)$$

Where:

- P_s = Points scored for cooperative price of Tender under consideration
 P_t = Comparative price of Tender under consideration
 P_{\min} = Comparative 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 or 90 points is allocated for price on the following basis:

$$P_s = 80 \left(1 - \frac{P_t - P_{\min}}{P_{\min}} \right) \quad \text{or} \quad P_s = 90 \left(1 - \frac{P_t - P_{\min}}{P_{\min}} \right)$$

Where:

- P_s = Points scored for cooperative price of Tender under consideration
 P_t = Comparative price of Tender under consideration
 P_{\min} = Comparative price of lowest acceptable Tender

4 POINTS AWARDED FOR SPECIFIC GOALS

4,1 In terms of Regulation 4(2); 5(2); 6(2) and 7(2) of the Preferential Procurement Regulations, preference points must be awarded for specific goals stated in the tender. For the purposes of this tender the tenderer will be allocated points based on the goals stated in table 1 below as may be supported by proof/ documentation stated in the conditions of this tender:

4,2 In cases where organs of state intend to use Regulation 3(2) of the Regulations, which states that, if it is unclear whether the 80/20 or 90/10 preference point system applies, an organ of state must, in the tender documents, stipulate in the case of—

(a) an invitation for tender for income-generating contracts, that either the 80/20 or 90/10 preference point system will apply and that the highest acceptable tender will be used to determine the applicable preference point system; or

(b) any other invitation for tender, that either the 80/20 or 90/10 preference point system will apply and that the lowest acceptable tender will be used to determine the applicable preference point system,

then the organ of state must indicate the points allocated for specific goals for both the 90/10 and 80/20 preference point system.

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

(Note to organs of state: Where either the 90/10 or 80/20 preference point system is applicable, corresponding points must also be indicated as such.)

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

The specific goals allocated points in terms of this tender	Number of points allocated 80/20 system	Number of points claimed 80/20 system (To be completed by the tenderer)
Companies who are at least 51% Owned by Black People	10	

DECLARATION WITH REGARD TO COMPANY/FIRM

4,3 Name of company/firm: _____

4,4 Company registration number: _____

4,5 TYPE OF COMPANY/ FIRM

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

[Tick applicable box]

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

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

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

T2.10 SITE INSPECTION MEETING CERTIFICATE			
Project title:	NYAVINI CLINIC: CONSTRUCTION OF SMALL CLINIC		
Tender no:	ZNB 5549/2023-H	Project Code:	TBA
Site Inspection Date:		24 August 2023	

This is to certify that I, _____ (Name of authorised Representative)
 representing _____ (Name of Enterprise)
 visited the site on: _____ (Date)

I have made myself familiar with all local conditions likely to influence the work and the cost thereof. I further certify that I am satisfied with the description of the work and explanations given at the site inspection meeting and that I understand the work to be done, as specified and implied, in the execution of this contract.

I declare that my representative is technically capable and knowledgeable to represent my company in the meeting. I further confirm that my representative's attendance at this site meeting, shall be deemed conclusive proof that my Enterprise is fully aware of what was said and discussed at this meeting.

Name of Tenderer	Signature	Date

Name of DOH Representative	Signature	Date



Departmental Stamp:

T2.11 BIDDER'S DISCLOSURE - SBD 4			
Project title:	NYAVINI CLINIC: CONSTRUCTION OF SMALL CLINIC		
Tender no:	ZNB 5549/2023-H	Project Code:	TBA

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 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:

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

2.3. 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:

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.

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.

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

T2.12 RECORD OF ADDENDA TO TENDER DOCUMENTS			
Project title:	NYAVINI CLINIC: CONSTRUCTION OF SMALL CLINIC		
Tender no:	ZNB 5549/2023-H	Project Code:	TBA

The undersigned confirm that the following communications received from the employer before the submission of this tender offer, amending the tender documents, have been taken into account in this tender offer:

	Date	Title or Details	No. of Pages
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			

Attach Additional Pages if more space is required

If it is found that the Tenderer has failed to incorporate any addendum into their tender document, the tender will be deemed non-responsive

Signed		Date	
Name		Position	
Tenderer			

T2.14 SCHEDULE FOR IMPORTED MATERIALS AND EQUIPMENT

Project title:	NYAVINI CLINIC: CONSTRUCTION OF SMALL CLINIC		
Tender no:	ZNB 5549/2023-H	Project Code:	TBA

This schedule should be completed by the tenderer. (Attach additional page(s) if more space is required)

Item	Material / Equipment	Quotation (Excluding VAT)
1		R
2		R
3		R
4		R
5		R
6		R

The Contractor shall list imported items, materials and/or equipment which shall be excluded from the Contract Price Adjustment Provisions (if applicable) and shall be adjusted in terms of currency fluctuations only. Copies of the supplier's quotations for the items, materials or equipment (provided that such costs shall not be higher than the relevant contract rate as listed above) should be lodged with the Principal Agent / Engineer of the Department of Health within 60 (sixty) days from the date of acceptance of the tender. No adjustment of the local VAT amount, nor the contractor's profit, discount, mark-up, handling costs, etc. shall be allowed. (See P&G E16)

These net amounts will be adjusted as follows:

FORMULA:

The net amount to be added to or deducted from the contract sum:

$$A = V \left(\frac{Z}{Y} - 1 \right)$$

A = the amount (R) of adjustment

V = the net amount (supplier's quotation) (R) of the imported item

Y = exchange rate 14 days prior to closing date of tender submission

Z = exchange rate on the date of the Bill of Lading* of exporters invoice.

** A bill of lading (sometimes abbreviated as B/L or BoL) is a document issued by a carrier which details a shipment of merchandise and gives title of that shipment to a specified party. Bills of lading are one of three important documents used in international trade to help guarantee that exporters receive payment and importers receive merchandise. A straight bill of lading, which is referred to above, is used when payment has been made in advance of shipment and requires a carrier to deliver the merchandise to the appropriate party. It is therefore the date of the paid up invoice when the shipment leaves the exporter's location. [http://en.wikipedia.org/wiki/Bill_of_lading]*

Name of authorised representative	Signature	Date

T2.15a LATEST 12 MONTH AUDITED ANNUAL FINANCIAL STATEMENT

Project title:

NYAVINI CLINIC: CONSTRUCTION OF SMALL CLINIC

Tender no:

ZNB 5549/2023-H

Project Code:

TBA

**ATTACH A COPY OF THE LATEST AUDITED ANNUAL
FINANCIAL STATEMENT OF THE COMPANY**

NOTE

In the case of a Tender by a Joint Venture, copies of the annual financial statements of the past financial year in respect of each party to the Joint Venture must be attached to this page

ATTACH COMPANY LATEST 12 MONTHS AUDITED ANNUAL FINANCIAL STATEMENTS TO THIS PAGE

T2.17 CONTRACTOR'S SAFETY, HEALTH AND ENVIRONMENTAL DECLARATION			
Project title:	NYAVINI CLINIC: CONSTRUCTION OF SMALL CLINIC		
Tender no:	ZNB 5549/2023-H	Project Code:	TBA

In terms of Regulation 5(1)(h) of the Construction Regulations of February 2014 a Contractor may only be appointed to perform construction work if the Client is satisfied that the Contractor has the necessary competencies and resources to carry out the work safely in accordance with the Occupational Health and Safety Act, Act 85 of 1993 and the Construction Regulations of February 2014. In line with this requirement the Contractor is required to read through this document carefully, sign it and submit it with his/her Tender.

DECLARATION

1. I, the undersigned hereby declare and confirm that I am fully conversant with the Occupational Health and Safety Act, Act 85 of 1993 and the Construction Regulations of February 2014 and the Construction Safety, Health and Environmental Specifications attached to this document.
2. I hereby declare that my company and its employees has the necessary competency and resources to safely carry out the construction works under this contract in compliance with the Occupational Health and Safety Act, Act 85 of 1993, the Construction Regulations of February 2014 and the Construction Safety, Health and Environmental Specifications.
3. I hereby confirm that adequate provisions has been made in my Tender to cover the cost of all Safety, Health and Environmental duties and responsibilities imposed on me by the Occupational Health and Safety Act, Act 85 of 1993, the Construction Regulations of February 2014 and the Construction Safety, Health and Environmental Specifications.
4. I hereby undertake that if my Tender is accepted, to provide before commencement of the Works under the contract or as required by the Conditions of the Contract, a suitable and sufficiently documented Construction Safety, Health and Environmental Management Plan in accordance with Regulation 7(1)(a) of the Construction Regulations of February 2014, which shall be subject for approval by the Client.
5. I confirm that I may not commence with any part of construction work under the contract until my Construction Safety Health and Environmental Management Plan has been approved in writing by the Client.
6. I hereby confirm that copies of the following documentation will be kept on site for viewing and inspection purposes for the duration of the construction work:
 - a) Client's Construction Safety, Health and Environmental Specification.
 - b) Approved Construction Safety, Health and Environmental Plan.
 - c) Occupational Health and Safety Act, Act 85 of 1993.
 - d) Construction Regulations of February 2014.
7. I agree that my failure to complete and execute this declaration to the satisfaction of the Client will mean that I am unable to comply with the requirements of the Occupational Health and Safety Act, Act 85 of 1993 and the Construction Regulations of February 2014, and accept that my Tender will be rejected.

Duly signed at..... on this the..... day of..... 20.....

Full Name of Signatory

Name of Enterprise

Capacity of Signatory

Signature of authorised representative of Tenderer

T2.18 Compulsory Enterprise Questionnaire			
Project title:	NYAVINI CLINIC: CONSTRUCTION OF SMALL CLINIC		
Tender no:	ZNB 5549/2023-H	Project Code:	TBA

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: CSD Number:	

Section 5: Particulars of sole proprietors and partners in partnerships

Name*	Identity number*	Personal income tax number*

* Complete only if sole proprietor or partnership and attach separate page if more than 6 partners

Section 6: Particulars of companies and close corporations

Company registration number	
Close corporation number	
Tax reference number	
Section 7: SBD4 issued by National Treasury must be completed for each tender and be attached as a tender requirement	
Section 8: SBD6 issued by National Treasury must be completed for each tender and be attached as a tender requirement	
Section 9: -	
Section 10: -	

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

- i) authorizes the Employer to verify the tenderers tax clearance status from the South African Revenue Services that it is in order;
- ii) confirms that 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			
Enterprise name			

**T2.19 TAX COMPLIANCE STATUS (TCS) PIN TO VERIFY ON LINE
COMPLIANCE SUPPLIER STATUS VIA SARS e-FILING**

Project title:	NYAVINI CLINIC: CONSTRUCTION OF SMALL CLINIC		
Tender no:	ZNB 5549/2023-H	Project Code:	TBA

TAX CLEARANCE REQUIREMENTS

It is a condition of Tender that the taxes of the successful tenderer must be in order, or that satisfactory arrangements have been made with South African Revenue Service (SARS) to meet the tenderer's tax obligations. It is a condition of this Offer of Commission that your practice remains in good standing with SARS (South African Revenue Services) in terms of its tax clearance.

1. In order to meet this requirement Tenderers are required to apply via e-filing at any SARS branch office nationally. The Tax Compliance Status (TCS) requirements are also applicable to foreign Tenderers / individuals who wish to submit tenders.
2. SARS will then furnish the tenderer with a Tax Compliance Status (TCS) **PIN** that will be valid for a period of 1 (one) year from the date of approval.
3. In tenders where Consortia / Joint Ventures / Sub-contractors are involved, each party must submit a separate Tax Compliance Status (TCS) **PIN**.
4. Application for Tax Compliance Status (TCS) **PIN** can be done via e-filing at any SARS branch office nationally or on the website www.sars.gov.za.
5. Tax Clearance Certificates may be printed via eFiling. In order to use this provision, taxpayers will need to register with SARS as eFilers through the website www.sars.gov.za.

IMPORTANT NOTICE

1. The South African Revenue Services (SARS) has phased out the issuing of paper Tax Clearance Certificates.
2. From 18 April 2016 SARS introduced an enhanced Tax Compliance (TCS) system.
3. The new system allows taxpayers to obtain a Tax Compliance Status (PIN), which can be utilised by authorised third parties to verify taxpayers compliance status online via SARS e-filing.
4. Tenderers are required to fill in clearly, legibly, in bold print and black ink the SARS (TCS) **PIN** number and Tax Reference number in the space hereunder:

Tax Compliance Status(TCS) PIN Number	
Company / Tendering Entity Tax Reference Number	

Name of Tenderer:

Signature of tenderer:

Date:

**T2.20 PROOF OF GOOD STANDING WITH THE COMPENSATION
COMMISSIONER**

Project title:	NYAVINI CLINIC: CONSTRUCTION OF SMALL CLINIC		
Tender no:	ZNB 5549/2023-H	Project Code:	TBA

**ATTACH A COPY OF PROOF, THAT THE TENDERER IS IN
GOOD STANDING WITH THE COMPENSATION
COMMISSIONER, TO THIS PAGE FOR ADJUDICATION
PURPOSES**

NOTE

In the case of a Tender by a Joint Venture, copies of proof of Good Standing with the Compensation Commissioner in respect of each party to the Joint Venture must be attached to this page

T2.21 - FORM OF OFFER AND ACCEPTANCE

Tender no: ZNB 5549/2023-H

OFFER

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

NYAVINI CLINIC: CONSTRUCTION OF SMALL CLINIC

The Tenderer, identified in the Offer signature block, has examined the documents listed in the Tender Data and Addenda thereto as listed in the Returnable Schedules, and by submitting this Offer has accepted the Conditions of Tender.

By the representative of the Tenderer, deemed to be duly authorized, signing this part of this Form of Offer and Acceptance, the tenderer offers to perform all of the obligations and liabilities of the Contractor under the contract including compliance with all its terms and conditions according to their true intent and meaning for an amount to be determined in accordance with the Conditions of Contract identified in the Contract Data.

THE OFFERED TOTAL OF THE PRICES INCLUSIVE OF VALUE ADDED TAX IS:

Amount (in words):	
Amount in figures:	R

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 (s)			
Name (s)			
Capacity			
For the tenderer			
	(Name and address of tenderer)		
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	Agreement 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 two 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 (5) working days of the date of such receipt notifies the employer in writing of any reason why he/she cannot accept the contents of this agreement, this agreement shall constitute a binding contract between the parties.

Signature (s)			
Name (s)			
Capacity			
For the employer			
	<i>(Name and address of employer)</i>		
Name and signature of witness			

Schedule of Deviations

Notes:

1. The extent of deviations from the tender documents issued by the employer before the tender closing date is limited to those permitted in terms of the conditions of tender.
2. A tenderer's covering letter shall not be included in the final contract document. Should any matter in such letter, which constitutes a deviation as aforesaid, become the subject of agreements reached during the process of offer and acceptance, the outcome of such deviation shall also be recorded here.
3. Any other matter arising from the process of offer and acceptance either as a confirmation, clarification or change to the tender documents and which it is agreed by the Parties becomes an obligation of the contract shall also be recorded here.
4. Any change or addition to the tender documents arising from the above agreements and recorded here, shall also be incorporated into the final draft of the Contract.

1.1.1. Subject:

Details:

1.1.2. Subject:

Details:

1.1.3. Subject:

Details:

1.1.4. Subject:

Details:

By the duly authorised 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 returnable 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 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.

T2.22 - FINAL BILL OF QUANTITY SUMMARY

Project title:	NYAVINI CLINIC: CONSTRUCTION OF SMALL CLINIC		
Tender no:	ZNB 5549/2023-H	Project Code:	TBA

ATTACH SUMMARY PAGE OF THE BILL OF QUANTITIES

T2.24 - PROOF OF VALID UIF REGISTRATION

Project title:	NYAVINI CLINIC: CONSTRUCTION OF SMALL CLINIC		
Tender no:	ZNB 5549/2023-H	Project Code:	TBA

T2.25 THE NATIONAL INDUSTRIAL PARTICIPATION PROGRAMME

INTRODUCTION

The National Industrial Participation (NIP) Programme, which is applicable to all government procurement contracts that have an imported content, became effective on the 1 September 1996. The NIP policy and guidelines were fully endorsed by Cabinet on 30 April 1997. In terms of the Cabinet decision, all state and parastatal purchases / lease contracts (for goods, works and services) entered into after this date, are subject to the NIP requirements. NIP is obligatory and therefore must be complied with. The Industrial Participation Secretariat (IPS) of the Department of Trade and Industry (DTI) is charged with the responsibility of administering the programme.

1 PILLARS OF THE PROGRAMME

- 1.1 The NIP obligation is benchmarked on the imported content of the contract. Any contract having an imported content equal to or exceeding US\$ 10 million or other currency equivalent to US\$ 10 million will have a NIP obligation. This threshold of US\$ 10 million can be reached as follows:
 - (a) Any single contract with imported content exceeding US\$10 million.
or
 - (b) Multiple contracts for the same goods, works or services each with imported content exceeding US\$3 million awarded to one seller over a 2 year period which in total exceeds US\$10 million.
or
 - (c) A contract with a renewable option clause, where should the option be exercised the total value of the imported content will exceed US\$10 million.
or
 - (d) Multiple suppliers of the same goods, works or services under the same contract, where the value of the imported content of each allocation is equal to or exceeds US\$ 3 million worth of goods, works or services to the same government institution, which in total over a two (2) year period exceeds US\$10 million.
- 1.2 The NIP obligation applicable to suppliers in respect of sub-paragraphs 1.1 (a) to 1.1 (c) above will amount to 30 % of the imported content whilst suppliers in respect of paragraph 1.1 (d) shall incur 30% of the total NIP obligation on a pro-rata basis.
- 1.3 To satisfy the NIP obligation, the DTI would negotiate and conclude agreements such as investments, joint ventures, sub-contracting, licensee production, export promotion, sourcing arrangements and research and development (R&D) with partners or suppliers.
- 1.4 A period of seven years has been identified as the time frame within which to discharge the obligation.

2 REQUIREMENTS OF THE DEPARTMENT OF TRADE AND INDUSTRY

- 2.1 In order to ensure effective implementation of the programme, successful tenderers (contractors) are required to, immediately after the award of a contract that is in excess of R10 million (ten million Rands), submit details of such a contract to the DTI for reporting purposes.
- 2.2 The purpose for reporting details of contracts in excess of the amount of R10 million (ten million Rands) is to cater for multiple contracts for the same goods, works or services; renewable contracts and multiple suppliers for the same goods, works or services under the same contract as provided for in paragraphs 1.1.(b) to 1.1. (d) above.

3 Tender SUBMISSION AND CONTRACT REPORTING REQUIREMENTS OF TenderDERS AND SUCCESSFUL TenderDERS (CONTRACTORS)

- 3.1 Tenderders are required to sign and submit this Standard Tendering Document (SBD 5) together with the Tender on the closing date and time.

3.2 In order to accommodate multiple contracts for the same goods, works or services; renewable contracts and multiple suppliers for the same goods, works or services under the same contract as indicated in sub-paragraphs 1.1 (b) to 1.1 (d) above and to enable the DTI in determining the NIP obligation, successful Tenderders (contractors) are required, immediately after being officially notified about any successful Tender with a value in excess of R10 million (ten million Rands), to contact and furnish the DTI with the following information:

- Tender / contract number.
- Description of the goods, works or services.
- Date on which the contract was accepted.
- Name, address and contact details of the government institution.
- Value of the contract.
- Imported content of the contract, if possible.

3.3 The information required in paragraph 3.2 above must be sent to the Department of Trade and Industry, Private Bag X 84, Pretoria, 0001 for the attention of Mr. Elias Malapane within five (5) working days after award of the contract. Mr. Malapane may be contacted on telephone (012) 394 1401, facsimile (012) 394 2401 or e-mail at Elias@thedti.gov.za for further details about the programme.

4 PROCESS TO SATISFY THE NIP OBLIGATION

4.1 Once the successful Tenderder (contractor) has made contact with and furnished the DTI with the information required, the following steps will be followed:

- a. the contractor and the DTI will determine the NIP obligation;
- b. the contractor and the DTI will sign the NIP obligation agreement;
- c. the contractor will submit a performance guarantee to the DTI;
- d. the contractor will submit a business concept for consideration and approval by the DTI;
- e. upon approval of the business concept by the DTI, the contractor will submit detailed business plans outlining the business concepts;
- f. the contractor will implement the business plans; and
- g. the contractor will submit bi-annual progress reports on approved plans to the DTI.

4.2 The NIP obligation agreement is between the DTI and the successful Tenderder (contractor) and, therefore, does not involve the purchasing institution.

Tender number:	_____	Closing date:	_____
Name of tenderer:	_____		
Postal address:	_____ _____		
Signature:	_____	Name (in print):	_____
Date:	_____		

T2.27 - PROOF OF REGISTRATION ON CENTRAL SUPPLIERS DATABASE

Project title:	NYAVINI CLINIC: CONSTRUCTION OF SMALL CLINIC		
Bid no:	ZNB 5549/2023-H	Project Code:	TBA

ATTACH A COPY OF PROOF, THAT THE BIDDER IS REGISTERED ON THE CENTRAL SUPPLIERS DATABASE TO THIS PAGE FOR ADJUDICATION PURPOSES

NOTE

In the case of a Tender by a Joint Venture, copies of proof of registration on the Central Suppliers Data Base in respect of each party to the Joint Venture must be attached to this page

T2.28 - PROOF OF CIDB REGISTRATION NUMBER

Project title:	NYAVINI CLINIC: CONSTRUCTION OF SMALL CLINIC		
Tender no:	ZNB 5549/2023-H	Project Code:	TBA

ATTACH A COPY OF PROOF, THAT THE TENDERER IS REGISTERED WITH THE CONSTRUCTION INDUSTRY DEVELOPMENT BOARD (CIDB) TO THIS PAGE FOR ADJUDICATION PURPOSES

NOTE

In the case of a Tender by a Joint Venture, copies of proof of registration with the CIDB in respect of each party to the Joint Venture must be attached to this page

T2.29 MANDATORY TECHNICAL CRITERIA

The following section contains the Mandatory Technical requirements for this bid and may include but is not limited to equipment/plant requirements, personnel requirements, minimum level of experience, professionals required, certifications required, minimum financial requirements, etc. Should the tenderer fail any of the criteria in T2.29, the tender will be deemed non-responsive and will be excluded from further evaluation. This evaluation forms part of Stage 1.

T2.29 Mandatory Technical Criteria

Successful tenderers must pass all technical criteria as set out below. If below table is blank then Mandatory Technical Criteria is not applicable on this tender.

	Criteria	Deliverable Required	Deliverable meets Criteria (YES / NO) (FOR USE BY EVALUATION COMMITTEE)	Comments (FOR USE BY EVALUATION COMMITTEE)

T2.30 CONTRACT FORM - PURCHASE OF GOODS/WORKS-Part 1

THIS FORM MUST BE FILLED IN DUPLICATE BY BOTH THE SUCCESSFUL TENDERER (PART 1) AND THE PURCHASER (PART 2). BOTH FORMS MUST BE SIGNED IN THE ORIGINAL SO THAT THE SUCCESSFUL TENDERER AND THE PURCHASER WOULD BE IN POSSESSION OF ORIGINALLY SIGNED CONTRACTS FOR THEIR RESPECTIVE RECORDS.

PART 1 (TO BE FILLED IN BY THE TENDERER)

1. I hereby undertake to supply all or any of the goods and/or works described in the attached tendering documents to Head: Health (Department of Health: Province of KwaZulu-Natal) in accordance with the requirements and specifications stipulated in tender number ZNB 5549/2023-H at the price/s
2. The following documents shall be deemed to form and be read and construed as part of this agreement:
 - (i) Tendering documents, viz
 - Invitation to tender;
 - Tax Compliance Status (TCS) **PIN**;
 - Pricing schedule(s);
 - Technical Specification(s);
 - Preference claims for Specific Goals in terms of the Preferential Procurement Regulations 2022;
 - Declaration of interest;
 - Declaration of Tenderder's past SCM practices;
 - Certificate of Independent Tender Determination
 - Special Conditions of Contract;
 - (ii) General Conditions of Contract for construction works Edition 2 - GCC2010; and
 - (iii) Other (specify)
3. I confirm that I have satisfied myself as to the correctness and validity of my Tender; that the price(s) and rate(s) quoted cover all the goods and/or works specified in the Tendering documents; that the price(s) and rate(s) cover all my obligations and I accept that any mistakes regarding price(s) and rate(s) and calculations will be at my own risk.
4. I accept full responsibility for the proper execution and fulfilment of all obligations and conditions devolving on me under this agreement as the principal liable for the due fulfilment of this contract.
5. I declare that I have no participation in any collusive practices with any Tenderder or any other person regarding this or any other Tender.
6. I confirm that I am duly authorised to sign this contract.

NAME (PRINT): _____
CAPACITY: _____
SIGNATURE: _____
NAME OF FIRM: _____
DATE: _____

Witnesses:	
1.	_____
2.	_____
Date: _____	

T2.31 CONTRACT FORM - PURCHASE OF GOODS/WORKS-Part 2

PART 2 (TO BE FILLED IN BY THE PURCHASER)

1. I _____ in my capacity as

accepts your tender under reference ZNB 5549/2023-H dated _____ for the supply of goods/works indicated hereunder and/or further specified in the annexure(s).

2. An official order indicating delivery instructions is forthcoming.

3.

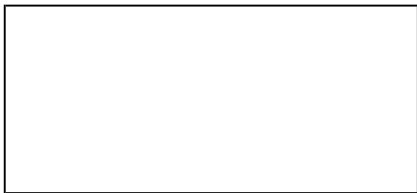
ITEM NO.	PRICE (ALL APPLICABLE TAXES INCLUDED)	BRAND	DELIVERY PERIOD

4. I confirm that I am duly authorised to sign this contract.

SIGNED AT _____ ON _____
[Place] *[Date]*

NAME (PRINT): _____

SIGNATURE: _____



OFFICIAL STAMP:

Witnesses:

1. _____

2. _____

Date: _____

T2.32 - OHSE PLAN STRUCTURE			
Project title:	NYAVINI CLINIC: CONSTRUCTION OF SMALL CLINIC		
Tender no:	ZNB 5549/2023-H	Project Code:	TBA

A detailed OHSE Plan is to be submitted by the successful tenderer as per Construction Regulation 7(1)(a). The following are the minimum standard legal documentation that must form part of the OHSE Plan based on the risks attached in executing this project titled;

NYAVINI CLINIC: CONSTRUCTION OF SMALL CLINIC

BASELINE RISK ASSESSMENT ATTACHED
--

T2.33 - OHSE CLIENT SPECIFIC REQUIREMENTS	
Project title:	NYAVINI CLINIC: CONSTRUCTION OF SMALL CLINIC
Tender no:	ZNB 5549/2023-H
Project Code:	TBA

HEALTH AND SAFETY SPECIFICATION AS ATTACHED



KWAZULU-NATAL PROVINCE
HEALTH
REPUBLIC OF SOUTH AFRICA



NYAVINI CLINIC

HEALTH AND SAFETY SPECIFICATION

Prepared by



Issued in Terms of the Occupational Health and Safety Act, no 85 of 1993 and Construction Regulations 2014

Table of Contents

1.	Background	4
2.	Introduction	4
3.	The Purpose of This Specification	4
4.	Success Factors of Implementing This Specification	5
5.	References	5
6.	Acronyms and Abbreviations	6
7.	Definitions	7
8.	Project Description	8
9.	Scope of Works	8
10.	Health and Safety Policy	8
11.	Construction Work Permit	9
12.	Notification of Construction Work	9
13.	Site-Specific Health and Safety File	9
14.	Baseline Risk Assessment	9
15.	Site-Specific Health and Safety Plan	10
16.	Workers's Compensation	10
17.	Medical Fitness Certificates	10
18.	Appointment of Responsible and Competent Persons	10
19.	Legal Appointments	11
20.	Organogram	11
21.	SHE Representative	12
22.	Functions of The Health and Safety Representative	12
23.	SHE Committee	13
24.	Functions of Health and Safety Committees	13
25.	Hazard identification and Risk Assessments	14
26.	Continuous Risk Assessment	15
27.	Safe Work Procedures	15
28.	Site Training	15
29.	Site Rules	16
30.	Monitoring	16
31.	Incident Reporting, Recording & Investigating	16

32.	Equipment Registers	17
33.	SHE Representative Inspections	18
34.	Fall Protection	18
34.	Excavations	19
35.	Demolition Work	21
36.	Scaffolding	21
37.	Explosive Actuated Fastening Device	21
38.	Construction Vehicle and Mobile Plant	21
39.	Electrical Installations and Machinery	22
40.	Temporary Storage of Flammable Liquids	23
41.	Housekeeping and General safeguarding	23
42.	Stacking and storage	23
43.	Fire Precautions	24
44.	Hazardous Chemical substances	24
45.	Construction Facilities	25
46.	Acceptance	26
47.	Construction Work Permit Requirement	27
48.	Health and Safety File Format	29
49.	Occupational Health and Safety File Approval	30

1. Background

Organisations must prioritise the well-being of workers and individuals impacted by their operations. To achieve this, conducting a comprehensive awareness program and implementing an Occupational health and safety management system is essential. This will help create a work environment free from injuries or illnesses, ensuring the safety and health of all. Organisations can establish a consistent, safe, healthy workplace for their employees and others by continuously improving policies, procedures, and programs.

2. Introduction

In compliance with the regulation, the Client must prepare a suitable, sufficiently documented and coherent Site Specific Occupational Health and Safety Specification for the intended construction work based on the Baseline Risk Assessment, the scope of works and relevant factors in line with the proposed project.

This specification details the requirements for eliminating and mitigating health and safety risks, injuries, accidents and incidents on-site as far as reasonably practicable. It also addresses hazard identification, legal compliance, risk management and promoting a positive health and safety culture within the project. The protection of persons other than those employed by the employer shall be provided for by the Principal Contractor as per section 9¹.

This specification serves as a minimum standard for compliance and does not in any way limit the Principal Contractor from ensuring compliance with section 8². The Principal Contractor as an employer must always ensure continuous Hazard Identification and Risk Analysis and the implementation of appropriate risk reduction measures to strive towards the implementation and continued provision and maintenance of a healthy and safe working environment.

This specification shall form an integral part of the contract between the Client and the Principal Contractor. It identifies and encompasses the working environment, practises and behaviours expected of all parties who have roles to play in the successful completion of the project. It provides guidelines to comply with the Act as amended, the regulations, other applicable legislative requirements and best practices. It aims to firstly ensure compliance with applicable legislative requirements as indicated above and secondly to form the basis for the Principal Contractor to develop his Site Specific Health and Safety Plan.

As with any other plan, for it to be implemented and managed effectively, it requires allocating sufficient funds and resources, humans and others, to achieve the objectives set out in the plan. In line with this requirement, Construction Regulations 5(1)(g) also requires the Client to ensure that the Principal Contractor has made adequate provisions for the cost of Health and Safety Measures in their tenders.

3. The Purpose of This Specification

This site-specific health and safety specification aims to provide a framework for managing health and safety risks and opportunities. The aim and intended outcomes of the specification are to prevent work-related injury and ill-health to workers and to provide a safe and healthy workplace. The organisation is responsible for eliminating hazards and minimising health and safety risks by taking effective preventive and protective measures.

The health and safety performance of the organisation shall improve when these measures are applied through its Occupational health and safety management system. An Occupational health and safety management system is likely more effective and efficient when early action is taken to address opportunities for improvement of health and safety performance.

This specification provides guidelines to assist organisations in developing, implementing and maintaining a health and safety management system. Implementing a health and safety management system conforming to this document shall enable an organisation to manage its health and safety risks and improve its health and safety performance. A health and safety management system can assist the organisation in fulfilling its legal requirements and other requirements.

¹ Occupational Health and Safety Act 85 of 1993, Section 9

² Occupational Health and Safety Act 85 of 1993, Section 8

4. Success Factors of Implementing This Specification

Implementing an Occupational health and safety management system is an organisation's strategic and operational decision. The success of the Occupational health and safety management system depends on leadership, commitment and participation from all levels and functions of the organisation.

The implementation and maintenance of an Occupational health and safety management system, its effectiveness and its ability to achieve its intended outcomes are dependent on several critical factors, which can include:

- a) Top management leadership, commitment, responsibilities and accountability;
- b) top management developing, leading and promoting a culture in the organisation that supports the intended outcomes of the Occupational health and safety management system;
- c) communication;
- d) consultation and participation of workers, and, where they exist, workers' representatives;
- e) allocation of the necessary resources to maintain it;
- f) Occupational health and safety policies, which are compatible with the overall strategic objectives and direction of the organisation;
- g) effective process(es) for identifying hazards, controlling Occupational health and safety risks and taking advantage of Occupational health and safety opportunities;
- h) continual performance evaluation and monitoring of the Occupational health and safety management system to improve Occupational health and safety performance;
- i) integration of the Occupational health and safety management system into the organisation's business processes;
- j) Occupational health and safety objectives that align with the Occupational health and safety policy and take into account the organisation's hazards, Occupational health and safety risks and Occupational health and safety opportunities;
- k) compliance with its legal requirements and other requirements. An organisation can demonstrate this document's successful implementation to assure workers and other interested parties that an effective Occupational health and safety management system is in place. Adopting this document, however, will not guarantee the prevention of work-related injury and ill health to workers, the provision of safe and healthy workplaces and improved Occupational health and safety performance.

The level of detail, the complexity, the extent of documented information and the resources needed to ensure the success of an organisation's Occupational health and safety management system will depend on several factors, such as:

- the organisation's context (e.g. number of workers, size, geography, culture, legal requirements and other requirements);
- the scope of the organisation's Occupational health and safety management system;
- the nature of the organisation's activities and the related Occupational health and safety risks.

5. References

This document will have several points of reference where details of the matter eluded to in the body will either be found in sources referred to herein, or the footnotes and endnotes description tools used to get the assessment results will be the reference point.

The notes here will include acronyms, abbreviations, and scientific term definitions.

- a) Footnotes: footnotes will be used across the text to refer to details that are not elaborated within the body of the text but at the end of the page concerned.
- b) Endnotes: endnotes will be found at the end of each section only to guide the reader further reading into the concept dealt with or eluded to within that section.

c) This document shall refer to both as "He" throughout.

6. Acronyms and Abbreviations

OHSA	Occupational Health and Safety Act 85 of 1993
CA	Children's Act 38 of 2005
NHA	National health Act 61/2003
MRSCA	Medicine & Related Substances Control Act 101/1965
GA	Gas Act 48/2001
FCDA	Foodstuffs, Cosmetics & Disinfectants Act 54/1972
SANS	South African National Standard
SABS	South African Bureau of Standards
ERW	Environmental Regulations for Workplaces
PSIRA	Private Security Industry Regulations Act 56/2001
CLA	Criminal Law Act 32/2007
EEA	Employment Equity Act 55/1998
NRSO	National Sex Offenders Register
BCEA	Basic Conditions of Employment Act 75/1997
EWMA	Environmental Waste Management Act 59/2008
PHA	Protection from Harassment Act 17/2011
EMR	Electrical Machinery Regulations
FSA	Fire Services Act 99/1987
NACCW	The National Association of Child Care Workers Act
SACSSP	South African Council for Social Services Act 110/1978
GSR	General Safety Regulations
TPCA	Tobacco Control Act 83/1993
CRSA	Constitution of the Republic of South Africa Act 108/1996
PTSA	Parent Teacher Student Act 70/2008
NEMA	National Environmental Management Act 56/2002
COIDA	Compensation for Occupational Injuries and Diseases Act 130/1993
PEPUDA	Promotion of Equality and Prevention of Unfair Discrimination Act 40 of 2000
APA	Aged Persons Act 81 of 1967
NBRBSA	National Building Regulations and Building Standards Act 103/1977
SACPCMP	The South African Council for the Project and Construction Management Professions

7. Definitions

OHS Act: The Occupational Health and Safety 85 of 1993

CR: Refers to the Construction Regulations 2014

Audit: An audit is a systematic examination of documents, equipment, physical on-site conditions etc., to evaluate compliance with clients' OHS requirements, applicable legislative requirements and the achievement of not posing a risk to Employees, other persons and the environment.

Baseline Risk Assessment: A broad encompassing risk assessment of anticipated construction activities based on the anticipated scope of work for the project.

Client: The Independent Development Trust.

Client Construction Health and Safety Agent: Construction Health and Safety Agent appointed by the Client to monitor compliance of the PC and other role players with applicable OHS Legislative requirements. And other Client Specific requirements.

Competent person: means a person who has in, respect for the work or task to be performed, the required knowledge, training and experience and, where applicable, qualifications specific for that work or task provided that where appropriate qualifications and training are registered in terms of the provisions of the National Qualifications Framework Act, 2000 (Act No.67 of 2000), those qualifications and that training must be regarded as the required qualifications and training; and is familiar with the OHS Act, Act 85 of 1993 and the applicable regulations made under the Act;

Construction Manager: means a competent person responsible for the management of the physical construction processes and the coordination, administration and management of resources on a construction site;

Construction Plant: Encompasses all types of plants, including but not limited to cranes, piling frames, boring machines, excavators, dewatering equipment and road vehicles with or without lifting equipment.

Construction Site: means a workplace where construction work is being performed;

Construction Supervisor: means a competent person responsible for supervising construction activities on a construction site;

Construction Vehicle: means a vehicle used as a means of conveyance for transporting persons or material, or persons and material, on and off the construction site to perform construction work;

Construction work: means any work in connection with: –

a) The construction, erection, alteration, renovation, repair, demolition or dismantling of or addition to a building or any similar structure; or

b) the construction, erection, maintenance, demolition or dismantling of any bridge, dam, canal, road, railway, runway, sewer or water reticulation system; or the moving of earth, clearing of land, the making of excavation, piling, or any similar civil engineering structure or type of work;

Construction Work Permit: means a document issued in terms of regulation 3 of the Construction Regulations 2014;

Contractor: means an employer who performs construction work

Demolition Work: means a method to dismantle, wreck, break, pull down or knock down a structure or part thereof by way of manual labour, machinery, or the use of explosives;

Designer: Means a competent person appointed by the Client as an Agent to design, supervise and monitor construction on their behalf.

Fall Protection Plan: means a documented plan, which includes:

a) All risks relating to a fall risk position, considering the nature of work undertaken;

b) The procedures and methods to be applied to eliminate the risk; and

c) A rescue plan and procedures.

Fall Prevention Equipment: Means equipment used to prevent persons, tools, equipment, machinery materials etc., from falling from a "fall risk" position, including personal protective equipment, body harness, body belts, lanyards, lifelines or physical equipment, guardrails, screens, barricades, anchorages or similar equipment.

Fall Risk: any potential exposure to falling from, off or into.

Hazard: Means a source of or exposure to danger (a source that may cause injury and damage to persons, property or the environment).

Hazard Identification and Risk Assessment: This means a documented plan, which identifies hazards, assesses the risks and details the control measures and safe working procedures which are to be used to mitigate and control the occurrence of hazards and risks during construction or operation phases.

Hazardous Chemical Substance: Means any toxic, harmful, corrosive, irritant or asphyxiating substance, or a mixture or substances, for which an occupational exposure limit is prescribed, or an occupational exposure limit is not prescribed, but which creates a hazard to health and the environment.

Induction Training: This Means once-off introductory training on general health and safety issues given to all employees and visitors to the site before the commencement of work.

Issue-based Risk Assessment: based upon a specific issue/activity/item. They could, for example, be instituted in response to the high-priority risks identified in the Baseline Risk Assessment, Programme Risk Assessment or even after a near miss or actual loss event.

Medical Certificate of Fitness: means a certificate contemplated in regulation 7(8) of Construction Regulations 2014;

Principal Contractor: means an employer appointed by the client to perform construction work.

Risk is the probability or likelihood of a hazard resulting in injury or damage.

Site: This means the area in the possession of the Principal Contractor for the construction of the works. Where there is no demarcated boundary, it will include all adjacent areas, which are reasonably required for the activities of the Principal Contractor, and approved for such use by the Designer.

Safety Officer: a person deemed competent by SACPCMP under the relevant registration category.

8. Project Description

Renovations and additions of Nyavini Clinic. The project is an existing public institution specialising in ordinary sports and art.

9. Scope of Works

See attached Ground Floor Plan for details.

10. Health and Safety Policy

At the Nyavini Clinic project, we take our responsibility for health and safety very seriously.

As we strive to lead as a professional team that enriches the lives of all stakeholders, we fully pledge to make a significant impact on society by ensuring a safe working environment for our team and all individuals impacted by our activities, products, and services.

Our policy is implemented and sustained through ongoing management objectives, targets, and program reviews. These are guided by our mission commitment:-

- a) Deliver excellent services safely and healthily to our community,
- b) Implement and sustain a culture of good governance.

- c) Continuously improve working conditions to ensure the health and safety of our employees and the community.
- d) Prevent incidents.
- e) Comply with legal and other requirements to which our municipality subscribes.
- f) Promote good behaviours by providing awareness and training to employees, contractors and visitors.
- g) Document, implement, and continually improve our health and safety policy by communicating it to all employees, contractors and visitors.

Management will conduct regular audits and reviews of this policy to ensure ongoing compliance and continuous improvement. Additionally, external parties may request access to this policy for transparency and accountability purposes.

11. Construction Work Permit

The Principal Contractor shall assist the Client in compiling the documents necessary to apply to the Department of Labor for the Construction Work Permit.

The Principal Contractor shall ensure that the Health and Safety Plan presented for approval includes the following:

- * Evidence that the Principal Contractor made adequate provision for the cost of H & S measures
- * Evidence that the Principal Contractor has the necessary competencies and resources to carry out the construction work safely. e.g. Schedule of activities.
- * A copy of the Letter of appointment of the Construction Manager CR 8.1, his qualifications, competence and relevant registration where applicable.
- * The Principal Contractors Construction Health and Safety Officer's CV, qualifications and registration certificate with the SACPCMP.

The PC must display the Construction Work Permit number at the main site entrance. The Client Agent shall issue a copy of the Construction Work Permit to him in the health and safety file for inspection by an inspector, the client, the client's authorised agent or an employee.

The construction works may commence after the Department of Labor issues the permit.

12. Notification of Construction Work

The Principal Contractor must notify the Department of Labour at least seven days before commencing construction work, and the proof of notification must be kept in the safety file on site as per CR 4.1³

13. Site-Specific Health and Safety File

The Principal Contractor must open and keep a health and safety file on site, including all documentation required in terms of the OHS Act and the Construction Regulation 2014, which must be made available on request to an inspector, the client, the client's agent or a contractor.

14. Baseline Risk Assessment

The Client Agent has prepared a baseline risk assessment during the design stage of this project. The Principal Contractor must refer to the baseline risk assessment when preparing his Hazard Identification and Risk Assessment. The baseline risk assessment may not have some risks the Client Agent was unaware of during the tendering stage.

The Principal Contractor must update his Risk Assessments, Safe Work Procedures and Method Statements timorously and as and when the risk changes on site.

The Principal Contractor is responsible for ensuring that the Contractors under him also comply with the risk assessment requirement.

³ Construction Regulations 2014, Clause 4.1

15. Site-Specific Health and Safety Plan

The Principal Contractor must document a site-specific health and safety plan as required by CR 7.14. Such a plan shall be prepared based on the requirements of this specification, the baseline risk assessments, the OHS Act and other relevant regulations. This plan must provide the client with detailed information and demonstrate sufficiently how the Principal Contractor will implement health and safety requirements from the commencement date of and for the duration of the construction work. The plan must be reviewed and updated as work progresses by the Principal Contractor.

The plan and supporting documents must be submitted to the Client Agent, who shall discuss and negotiate with the Principal Contractor the plan's contents and finally approve it for implementation on the specific site. Upon approval, the letter of approval will be issued by the Client Agent. This plan and the approval letter must be kept in the safety file on site. Work may commence on site once this official letter has been issued.

Every contractor under the Principal Contractor shall also follow the procedure above to have their files approved for implementation on-site. The Principal Contractor's Health and Safety Officer shall approve the contractor's plan.

16. Workers's Compensation

The Principal Contractor may only commence work on-site if he is registered and in good standing with the compensation fund or a licensed compensation insurer as contemplated by the COIDA. The updated letter of good standing must be kept in the Safety File on-site for construction work. Should the letter of good standing expire during the construction work, the Principal Contractor must stop all activities and only resume once an up-to-date letter of good standing has been obtained from the licensed compensation insurer or the compensation fund.

The Principal Contractor must ensure that all contractors under him are in good standing with a licensed compensation insurer before commencing site work. The Principal Contractor is also responsible for stopping the activities of any contractor whose letter of good standing has expired during the construction phase.

17. Medical Fitness Certificates

The Principal Contractor has the responsibility to ensure that all his employees have valid medical fitness certificates specific to the construction work to be performed and issued by an occupational health practitioner in the form of Annexure 3; these must be kept in the safety file at all times for the duration of the construction work and must be renewed after every 12 months.

18. Appointment of Responsible and Competent Persons

The Principal Contractor's Section 16.1⁵ (CEO) shall have the overall health and safety responsibility of appointing competent site employees for the project's duration. However, should he not be personally involved in this project, he must delegate the H & S responsibilities to Sec 16.2 in writing. Knowledge and training in Health and safety is required, and certificates indicating Health and safety training and experience are to be included in CVs.

All other legal appointments are relevant to the on-site activities required and must be kept current with the project programme. Only competent persons may be appointed to carry out the responsibilities. The Construction team is to ensure the appointed full-time Construction Health and Safety Officer is kept up to date with all planned activities to meet all health and safety requirements.

All method statements are to be generated by senior site personnel, and the appropriate risk assessments are developed from that place in conjunction with the Construction Health and Safety Officer.

⁴ Construction Regulations 2014, Clause 7.1

⁵ Occupational Health and Safety Act 85 of 1993, Section 16.1

19. Legal Appointments

The following appointments must be completed, signed and kept in the health and safety file on site for the duration of the construction work.

Appointment	Reference
Principal Contractor	CR 7.1(c)
Declaration of Duties and Responsibilities	Sec 16.1, OHS Act 85 of 1993.
Delegation of Duties and Responsibilities	Sec 16.2, OHS Act 85 of 1993.
Health and Safety Reps	Sec 17.1, OHS Act 85 of 1993
Construction Manager	CR 8.1
Construction Work Safety Officer	CR 8.5
Construction supervisor	CR 8.7
Assistant Construction Supervisor	CR 8.8
Risk Assessor	CR 9.1
Fall Protection Planner and Developer	CR 10.1
Fall Arrest Equipment Inspector	
Formwork & Support work Supervisor	CR 12.2
Excavation Supervisor	CR 13.1(a)
Demolition Work Supervisor	CR 14.1
Scaffold Supervisor	CR 16.1
Construction Vehicle and Mobile Plant Inspector	CR 23.1(d)(i)-(ii)
Construction Vehicle and Mobile Plant Operator	CR 23.1 (k)
Housekeeping supervisor	CR 27
Stacking and Storage Supervisor	CR 28 (a)
Fire equipment Inspector	CR 29(h)
Hand Tools Inspector	
Ladder Inspector	GSR 13(a)

20. Organogram

A clear organogram must be prepared, completed and displayed, showing the Principal Contractor's overall site personnel structure. It must be updated timorously as old personnel leave and new people take on on-site responsibilities.

21. SHE Representative

The Principal contractor or his contractor who has more than 20 employees in his employment on site shall, after commencing business, or from such time as the number of employees exceeds 20, as the case may be, designate in writing for a specified period health and safety representatives for this construction site.

Only those employees employed in a full-time capacity and who are acquainted with conditions and activities on site or section thereof, as the case may be, shall be eligible for designation as health and safety representatives for that workplace or section.

The number of health and safety representatives for this site shall be at least two health and safety representatives for every 50 employees or part thereof.

6) If the Client Agent thinks that the number of health and safety representatives is inadequate, he may, by notice in writing, direct the Principal contractor or the contractor to designate such a number of employees as he may determine as health and safety representatives for the construction site or section thereof by the arrangements and procedures referred to in subsection (2)⁶.

7) All activities in connection with the designation, functions and training of health and safety representatives shall be performed during ordinary working hours, and anytime reasonably spent by any employee in this regard shall, for all purposes, be deemed to be time spent by him in the carrying out of his duties as an employee.

22. Functions of the Health and Safety Representative

The person appointed as a health and safety representative shall perform the following functions in respect of the workplace or section of the workplace for which he has been designated, namely:-

- a) Review the effectiveness of health and safety measures;
- b) Identify potential hazards and potential major incidents at the workplace;
- c) In collaboration with his employer, examine the causes of incidents at the workplace;
- d) Investigate complaints by any employee relating to that employee's health or safety at work;
- e) Make representations to the employer or a health and safety committee on matters arising from doing the above functions, or where such representations are unsuccessful, to the Client Agent;
- f) Make representations to the employer on general matters affecting the health or safety of the employees at the workplace;
- g) Inspect the workplace, including any article, substance, plant, machinery or health and safety equipment at that workplace with a view to the health and safety of employees, at such intervals as may be agreed upon with the employer: Provided that the health and safety representative shall give reasonable notice of his intention to carry out such an inspection to the employer, who may be present during the inspection;
- h) Participate in consultations with inspectors at the workplace and accompany inspectors on inspections of the workplace; (i) receive information from inspectors as contemplated in section 36⁷; and
- i) As a health and safety representative, he attends meetings of the health and safety committee, of which he is a member, in connection with any of the above functions.

A health and safety representative shall, in respect of the workplace or section of the workplace for which he has been designated, be entitled to:-

- j) Visit the site of an incident at all reasonable times and attend any inspections in loco;
- k) Attend any investigation or formal inquiry held in terms of this Act;

⁶ Occupational Health and Safety Act No 85 of 1993, Section 17.2

⁷ Occupational Health and Safety Act No 85 of 1993, Section 36

- l) In so far as it is reasonably necessary for performing his functions, inspect any document that the employer is required to keep in terms of this Act;
- m) Accompany an inspector on any inspection;
- n) With the employer's approval (which approval shall not be unreasonably withheld), be accompanied by a technical adviser on any inspection and participate in any internal health and safety audit.

The Principal contractor shall provide such facilities, assistance and training as a health and safety representative may reasonably require and as have been agreed upon for the carrying out of his functions.

A health and safety representative shall not incur any civil liability because he failed to do anything he may or is required to do in terms of this Act.

23. SHE Committee

The Principal contractor shall, in respect of each workplace where two or more health and safety representatives have been designated, establish one or more health and safety committees and, at every meeting of such a committee, consult with the committee to initiate, develop, promoting, to maintain and reviewing measures to ensure the health and safety of his employees at work.

A health and safety committee shall consist of such number of members as the employer may from time to time determine: Provided that:-

- a) If one health and safety committee has been established in respect of a workplace, all the health and safety representatives for that workplace shall be members of the committee;
- b) If two or more health and safety committees have been established in respect of a workplace, each health and safety representative for that workplace shall be a member of at least one of those committees; and
- c) The number of persons nominated by an employer on any health and safety committee established in this section shall be the number of health and safety representatives on that committee.

The persons nominated by an employer on a health and safety committee shall be designated in writing by the employer for such period as may be determined by him. In contrast, the health and safety representatives shall be committee members for the period of their designation in Section 17(1).

A health and safety committee shall hold meetings as often as necessary. Still, at least once every three months, at a time and place determined by the committee: Provided that an inspector may, by notice in writing, direct the members of a health and safety committee to hold a meeting at a time and place determined by him: Provided further that, if more than 10 per cent of the employees at a specific workplace has handed a written request to an inspector, the inspector may by written notice direct that such a meeting be held.

The committee shall determine the procedure at health and safety committee meetings.

A health and safety committee may co-opt one or more persons because of their particular knowledge of health or safety matters as an advisory members or as advisory members of the committee.

An advisory member shall only be entitled to vote on matters after the committee.

Suppose an inspector thinks the number of health and safety committees established for any workplace needs improvement. In that case, he may, in writing, direct the employer to establish for such workplace such a number of health and safety committees as the inspector may determine.

24. Functions of Health and Safety Committees

A health and safety committee:-

- a) May make recommendations to the employer or, where the recommendations fail to resolve the matter, to an inspector regarding any matter affecting the health and safety of persons at the workplace or any section thereof for which such committee has been established;

- b) Shall discuss any incident at the workplace or section thereof in which or in consequence of which any person was injured, became ill or died, and may in writing a report on the incident to an inspector; and
- c) Shall perform such other functions as may be prescribed.

A health and safety committee shall keep a record of each recommendation made to any employer in terms of sub-section (1) (a)⁸ and of any report made to an inspector in terms of sub-section (1) (b)⁹.

A health and safety committee or a member thereof shall not incur any civil liability because of the fact only that it or he failed to do anything it or he may or is required to do in terms of this Act¹⁰.

The Principal contractor shall take the prescribed steps to ensure that a health and safety committee complies with the provisions of section 19 (4)¹¹ and performs the duties assigned to it by sub-section (1) and (2)¹².

25. Hazard Identification and Risk Assessments

The Principal Contractor must, in writing, appoint a competent person who must perform risk assessments before any construction work and during such construction work, which must form part of the health and safety plan to be applied on the site. The Risk Assessor needs a team which will work together to perform the following:-

- a) A comprehensive site-specific risk assessment;
- b) A hazard identification;
- c) An analysis and evaluation of identified hazards;
- d) A documented plan and applicable safe work procedures to mitigate, reduce or control the risks and hazards that have been identified;
- e) A monitoring plan; and
- f) A review plan.

The scope of work, drawings, Client's health and safety specification, and Client's baseline risk assessments, materials, machinery, equipment, and tools to be used on site must form the bases of the risk assessments.

Risk Assessments of all site-specific risk activities identified in the scope of work, including those performed by contractors and sub-contractors, shall form an integral part of the Health and Safety Plan. All risk controls shall be documented, including those executed by contractors and sub-contractors.

The assessment will be included in the Health and Safety Plan. The risk assessments must be updated whenever:

- a) New knowledge comes to light, and information is received, which may influence the level of risk to employees on-site.
- b) A new machine is introduced on the site;
- c) After an accident or near incident has occurred;
- d) A change in operations is introduced.

Task-based risk assessment, risk monitoring and review shall be done at the hand of pre-task risk assessment communicated to all employees; a system of daily safe task instructions may be used. The risk assessment must include the following:

⁸ Occupational Health and Safety Act 85 of 1993, Section 20.1(a)

⁹ Occupational Health and Safety Act 85 of 1993, Section 20.1(b)

¹⁰ Occupational Health and Safety Act 85 of 1993

¹¹ Occupational Health and Safety Act 85 of 1993, Section 19.4

¹² Occupational Health and Safety Act 85 of 1993, Section 20.1 and 2

- a) A daily documented listing of hazardous events
- b) A daily documented listing of Health and Safety risk controls
- c) Proof of communication of the above to all employees, the Client requires that the Principal Contractor shall ensure that all employees on site are conversant with the content of all relevant risk assessments and the appropriate measures to eliminate or reduce the identified risk. The Principal Contractor shall outline to employees what role they are expected to play in the risk assessment and control measure process.

26. Continuous Risk Assessment

Continuous risk assessments (e.g. Daily Safety Task Instructions (DSTIs) must be undertaken daily for all activities to maintain a safe and risk-free environment.

The Principal Contractor shall include a method for risk review, ensuring that all the risks on site are adequately managed.

All risk assessments must document all Health and safety controls that any contractor plans to implement.

27. Safe Work Procedures

Safe Work Procedures are part of the Health and Safety Plan and must be compiled for all the identified activities. The safe work procedures must address the following elements:

- a) The work method to be followed to conduct work safely;
- b) Mitigation of identified risks;
- c) Reducing and controlling risks and hazards that have been identified;
- d) Responsibilities of competent persons;
- e) Required personal protective equipment;
- f) Correct equipment/tools/machinery to be used;
- g) Reference to relevant registers to be completed;
- h) Reference to applicable risk assessment.

28. Site Training

28.1 Induction

The Principal Contractor must only allow or permit employees or persons to enter any site if that employee or person has undergone health and safety induction training about the hazards prevalent on the site at the time of entry.

He has a responsibility to ensure that all visitors to a construction site undergo health and safety induction about the hazards prevalent on the site and must ensure that such visitors have the necessary personal protective equipment.

He must always keep on his construction site records of the health and safety induction training contemplated in sub-regulation (6)13 , and such records must be made available on request to an inspector, the client, the client's agent or the principal contractor.

28.2 Safety Talks

The Principal Contractor must hold weekly or daily safety talks with employees on-site, preferably at the start of the new week and before starting a new activity which poses new risks and hazards. Each task on site has its own set of hazards and risks that must be identified, evaluated or assessed. Specific topics

¹³ Construction Regulations, GNR.84 of 7 February 2014, Clause 7.6

relevant to each activity must be prepared and communicated during these talks with the employees to orient and alert them about these hazards and risks.

Risk assessments, safe work procedures, method statements, fall protection plans, emergency evacuation plans and other high-risk tasks shall also be discussed during these safety talks to keep the employees familiar with and educated.

29. Site Rules

The following rules must be applied on-site as the minimum standard. The Principal Contractor must prepare his own set of rules which must be applied on-site from the commencement to the completion of the project.

29.1 Site Rules

- a) Only inducted persons will be allowed on site at any time.
- b) Persons entering the site must be wearing safety shoes.
- c) All visitors must report to the site office before going to the site.

30. Monitoring

30.1 Audits

The Client and Client Agent will conduct periodic audits at times agreed with the Principal Contractor to comply with the regulation¹⁴ to ensure that the Principal Contractor has implemented, is adhering to and is maintaining the agreed and approved Occupational Health and Safety Plan. The audits must be done at least once every 30 days.

The PC must also perform periodic audits at times agreed with the contractor appointed by him to comply with the regulation¹⁵ to ensure that the contractor has implemented and is adhering to and is maintaining the agreed and approved health and safety plan as long as these are done at least once every 30 days.

30.2 Inspections

The Client and the Client Agent may conduct periodic or surprise or unannounced site inspections to see the adherence to requirements of the Act and the regulations and close all previously recorded audit findings.

31. Incident Reporting, Recording & Investigating

31.1 Incident Reporting

It is the responsibility of the Principal Contractor to report all incidents where an employee suffers an injury on duty to the extent that he:-

- a) dies, becomes unconscious or suffers the loss of a limb or part of a limb; is injured or becomes ill to such a degree that they are likely either to die or to suffer a permanent physical defect or likely to be unable for a period of at least 14 days either to work or continue with the activity for which they were usually employed.
- b) a major incident occurred; or
- c) the health or safety of any person was endangered:-
 - where a dangerous substance was spilt;
 - the uncontrolled release of any substance under pressure took place;

¹⁴ Construction Regulations, GNR.84 of 7 February 2014, Clause 5.1(o)

¹⁵ Construction Regulations, GNR.84 of 7 February 2014, Clause 7.1(c)(vii)

- machinery or any part of machinery fractured or failed, resulting in flying, falling; or
- uncontrolled moving objects;
- machinery ran out of control;

These must be reported to the Department of Labour within seven days and to the Client or the Client Agent.

31.2 Recording and Investigating

The Principal Contractor shall keep at a workplace or section of a workplace, as the case may be, a record in the form of Annexure 1 for a period of at least three years, which record shall be open for inspection by an inspector of all incidents which they are required to report in terms of section 24 of the Act and also of any other incident which resulted in the person concerned has had to receive medical treatment other than first aid.

The Principal Contractor shall cause every incident, which must be recorded in terms of sub-regulation (1)¹⁶, to be investigated by the employer, a person appointed by them, a health and safety representative or a member of a health and safety committee within seven days from the date of the incident and finalised as soon as is reasonably practicable, or within the contracted period in the case of contracted workers.

The Principal Contractor shall cause the investigation's findings contemplated in sub-regulation (2)¹⁷ to be entered in Annexure 1 immediately after the completion of such investigation.

The Principal Contractor shall cause every record contemplated in sub-regulation (1)¹⁸ to be examined by the health and safety committee for that workplace or section of the workplace at its next meeting and shall ensure that necessary actions, as may be reasonably practicable, are implemented and followed up to prevent the recurrence of such incident.

32. Equipment Registers

The Principal Contractor must ensure that all equipment and tools on-site are marked, numbered and inspected before each shift. Specific tool registers that will ascertain the safety and integrity of each tool must be kept up-to-date in the safety file. Only appointed persons must be allowed to inspect tools and equipment. All defective tools and faulty equipment must only be used on-site once repaired or replaced.

Activity	Frequency	Form
Form work / Support work	Daily, prior to any shift	
Excavation work	Daily, prior to any shift, after rain or blasting or after unexpected fall of ground	
Scaffolding	Daily, prior to any shift, after Rain or blasting.	
Material hoist	Daily	
Construction vehicles and mobile plant	Daily	
Temporary electrical installation	Weekly	
Stacking & storage	Weekly	
Ablution facilities	Weekly	

¹⁶ General Administrative Regulations, GNR.929 of 25 June 2003, Clause 9.1

¹⁷ General Administrative Regulations, GNR.929 of 25 June 2003, Clause 9.2

¹⁸ General Administrative Regulations, GNR.929 of 25 June 2003, Clause 9.1

Activity	Frequency	Form
Ladders	Weekly	
Incident register in terms of GAR 9	As Required	Annexure 1 & WCL 2
Fall protection equipment	Daily	
Portable electrical tools	Daily	
Suspended platforms	Daily	
Accommodation of traffic	Daily	
Fire fighting equipment	Weekly	

33. SHE Representative Inspections

The Health and Safety Representative must complete a weekly summary report which must include the number of site training, a list of safety talks, the number of inducted new persons, new risk assessments, new equipment, machinery, updated risk assessments, as well as a list of tasks performed during the week using illustration 1 form. This report must be submitted to the Client Agent by email every Friday or the last day of the work week, whichever comes first.

34. Fall Protection

The Principal Contractor must:-

- a) Designate a competent person to be responsible for the preparation of a fall protection plan;
- b) Ensure that the fall protection plan contemplated in paragraph (a) is implemented, amended where and when necessary and maintained as required; and
- c) Take steps to ensure continued adherence to the fall protection plan.
- d) The fall protection plan contemplated in sub-regulation (1)¹⁹ must include the following:-
- e) A risk assessment of all work carried out from a fall risk position and the procedures and methods used to address all the risks identified per location;
- f) The processes for the evaluation of the employees' medical fitness necessary to work at a fall-risk position and the records thereof;
- g) A programme for the training of employees working from a fall risk position and the records thereof;
- h) The procedure addressing the inspection, testing and maintenance of all fall protection equipment; and
- i) A rescue plan detailing the necessary procedure, personnel and suitable equipment required to affect a person's rescue in the event of a fall incident to ensure that the rescue procedure is implemented immediately following the incident.

The Principal Contractor must ensure that a construction manager appointed under regulation 8.1²⁰ has the most recently updated version of the fall protection plan.

The Principal Contractor must ensure that:-

- a) All unprotected openings in floors, edges, slabs, hatchways and stairways are adequately guarded, fenced or barricaded, or that similar means are used to safeguard any person from falling through such openings;

¹⁹ Construction Regulations 2014, GNR.84 of 7 February 2014, Clause 10.1

²⁰ Construction Regulations 2014, GNR.84 of 7 February 2014, Clause 8.1

- b) No person is required to work in a fall-risk position unless such work is performed safely as contemplated in sub-regulation (2)²¹;
- c) Fall prevention and fall arrest equipment are:-
- Approved as suitable and of sufficient strength for the purpose for which they are being used, having regard to the work being carried out and the load, including any person, they are intended to bear; and
 - Securely attached to a structure or plant, and the structure or plant and the means of attachment to it are suitable and of sufficient strength and stability to support the equipment and any person who could fall safely; and
 - Fall arrest equipment is used only where it is not reasonably practicable to use fall prevention equipment.

33.1 Roof Work

The Principal Contractor where performing roof work on a construction site must ensure that in addition to the requirements set out in sub-regulations (2)²² and (4)²³, it is indicated in the fall protection plan that:-

- a) The roof work has been adequately planned;
- b) The roof erectors are competent in carrying out the work;
- c) No employee is permitted to work on roofs during inclement weather conditions or if any conditions are hazardous to the health and safety of the employee;
- d) All covers to openings and fragile material are of sufficient strength to withstand any imposed loads;
- e) Suitable and sufficient platforms, coverings or other similar means of support have been provided to be used in such a way that the weight of any person passing across or working on or from fragile material is supported; and
- f) Suitable and sufficient guardrails, barriers and toe-boards or other similar means of protection prevent, as far as is reasonably practicable, the fall of any person, material or equipment.

34. Excavations

The Principal Contractor must:-

- a) Ensure that all excavation work is carried out under the supervision of a competent person who has been appointed in writing for that purpose; and
- b) Evaluate, as far as is reasonably practicable, the stability of the ground before excavation work begins.
- c) The Principal Contractor who performs excavation work:-
- d) Must take reasonable and sufficient steps to prevent, as far as is reasonably practicable, any person from being buried or trapped by a fall or dislodgement of material in an excavation;
- e) May not require or permit any person to work in an excavation which has not been adequately shored or braced: Provided that shoring and bracing may not be necessary where:-
 - I) the sides of the excavation are sloped to at least the maximum angle of repose measured relative to the horizontal plane; or
 - II) such an excavation is in stable material: Provided that:-

²¹ Construction Regulations 2014, GNR.84 of 7 February 2014, Clause 10.2

²² Construction Regulations 2014, GNR.84 of 7 February 2014, Clause 10.2

²³ Construction Regulations 2014, GNR.84 of 7 February 2014, Clause 10.4

- permission has been given in writing by the appointed competent person contemplated in sub-regulation (1)²⁴ upon evaluation by them of the site conditions; and
 - where any uncertainty about the stability of the soil still exists, the decision from a professional engineer or a professional technologist competent in excavations is decisive, and such a decision must be noted in writing and signed by both the competent person contemplated in the sub-regulation (1)²⁵ and the professional engineer or technologist, as the case may be;
- f) Must take steps to ensure that the shoring or bracing contemplated in paragraph (b)²⁶ is designed and constructed in a manner that renders it strong enough to support the sides of the excavation in question;
- g) Must ensure that no load, material, plant or equipment is placed or moved near the edge of any excavation where it may cause its collapse and consequently endangers the safety of any person unless precautions such as the provision of sufficient and suitable shoring or bracing are taken to prevent the sides from collapsing;
- h) Must ensure that where the stability of an adjoining building, structure or road is likely to be affected by the making of an excavation, steps are taken to ensure the stability of such building, structure or road and the safety of persons;
- i) Must cause convenient and safe means of access to be provided to every excavation in which persons are required to work, and such access may not be further than six meters from the point where any worker within the excavation is working;
- j) Must ascertain, as far as is reasonably practicable, the location and nature of electricity, water, gas or other similar services which may in any way be affected by the work to be performed and just before the commencement of excavation work that may affect any such service, take the necessary steps to render the circumstances safe for all persons involved;
- k) Must ensure that every excavation, including all bracing and shoring, is inspected:-
- daily, before the commencement of each shift;
 - after every blasting operation;
 - after an unexpected fall off the ground;
 - after damage to supports; and
 - after rain,

by the competent person contemplated in sub-regulation (1)²⁷ to ensure the safety of the excavation and persons, and those results must be recorded in a register kept on site and made available on request to an inspector, the client, the client's agent, any other contractor or any employee;

- l) Must cause every excavation which is accessible to the public or which is adjacent to public roads or thoroughfares, or whereby the safety of persons may be endangered, to be:-
- m) adequately protected by a barrier or fence of at least one metre in height and as close to the excavation as is practicable; and
- n) provided with warning illuminants or any other visible boundary indicators at night or when visibility is poor,

or have resorted to any other suitable and sufficient precautionary measure where the subparagraphs above are not practicable;

- o) Must ensure that all precautionary measures stipulated for confined spaces as determined in the General Safety Regulations, 2003, are complied with by any person entering any excavation;

²⁴ Construction Regulations 2014, GNR.84 of 7 February 2014, Clause 13.1

²⁵ Construction Regulations 2014, GNR.84 of 7 February 2014, Clause 13.1

²⁶ Construction Regulations 2014, GNR.84 of 7 February 2014, Clause 13.2(b)

²⁷ Construction Regulations 2014, GNR.84 of 7 February 2014, Clause 13.1

- p) Must, where the excavation work involves the use of explosives, appoint a competent person in the use of explosives for excavation and must ensure that a method statement is developed by that person by the applicable explosives legislation; and
- q) Must cause warning signs to be positioned next to the excavation within which persons are working or carrying out inspections or tests.

35. Demolition Work

The Principal Contractor must appoint a competent in writing to supervise and control all demolition work on site. Should the contractor need to demolish on site, all the requirements per the Construction Regulations 14.

36. Scaffolding

The Principal Contractor must appoint a competent person in writing who must ensure that all scaffolding work operations are carried out under his supervision and that all scaffold erectors, team leaders and inspectors are competent to carry out their work.

The Principal Contract must ensure that the design, erection, use and inspection are done according to the SANS 10085. Registers for all scaffolding must be kept up-to-date in the safety file.

37. Explosive Actuated Fastening Device

The Principal Contractor must not permit any person to use an explosive actuated fastening device unless the user is provided with and uses suitable protective equipment; the user is trained in the operation, maintenance and use of such a device; the explosive actuated fastening device is provided with a protective guard around the muzzle end, which effectively confines any flying fragments or particles; and the firing mechanism is so designed that the explosive actuated fastening device, will not function unless it is held against the surface with a force of at least twice its weight. The barrel's inclination angle to the work surface is at most 15 degrees from a right angle.

The Principal Contractor must ensure that:-

- a) Only cartridges suited for the relevant explosive-actuated fastening device, and the work to be performed, are used;
- b) An explosive actuated fastening device is cleaned and examined daily before use and as often as may be necessary for its safe operation by a competent person who has been appointed for that purpose;
- c) The safety devices of an explosive-actuated fastening device are in good working order before use;
- d) When not in use, an explosive-actuated fastening device and its cartridges are locked up in a safe place, which is inaccessible to unauthorised persons;
- e) An explosive-actuated fastening device is not stored in a loaded condition;
- f) A warning notice is displayed conspicuously in the immediate vicinity wherever an explosive-actuated fastening device is used; and
- g) The issuing and collection of cartridges and nails or studs of an explosive actuated fastening device are controlled and done in writing by a person having been appointed in writing for that purpose and recorded in a register by a competent person and that the recipient has accordingly signed for the receipt thereof as well as the returning of any spent and unspent cartridges.

38. Construction Vehicle and Mobile Plant

The Principal Contractor must ensure that all construction vehicles and mobile plant are of an acceptable design and construction; are maintained in good working order; are used by their design and the intention for which they were designed, having due regard to safety and health; are operated by a person who:-

- a) Has received appropriate training, is certified competent and in possession of proof of competency and is authorised in writing to operate those construction vehicles and mobile plant;

b) A medical certificate of fitness to operate those construction vehicles and mobile plant, issued by an occupational health practitioner in the form of Annexure 3.

Construction vehicles and mobile plants must have safe and suitable means of access and egress. They must be appropriately organised and controlled in any work situation by providing adequate signalling or other control arrangements to guard against the dangers relating to the movement of vehicles and plants to ensure their continued safe operation;

They must be prevented from falling into excavations, water or any other area lower than the working surface by installing adequate edge protection, which may include guardrails and crash barriers;

The Principal Contractor must make sure they are fitted with structures designed to protect the operator from falling material or from being crushed should the vehicle or mobile plant overturn;

They must be equipped with an acoustic warning device that can be activated by the operator and activated automatically when reversing.

They must be inspected by the authorised operator or driver daily using a relevant checklist before use, and the findings of such inspection are recorded in a register kept in the construction vehicle or mobile plant.

The Principal Contractor must ensure that no person rides or is required or permitted to ride on a construction vehicle or mobile plant otherwise than in a safe place provided thereon for that purpose;

The Principal Contractor must organise the construction site in such a way that, as far as is reasonably practicable, pedestrians and vehicles can move safely and without risks to health;

All the traffic routes must be suitable for the persons, construction vehicles or mobile plant using them, are sufficient in number, in suitable positions and of sufficient size. Every traffic route must, where necessary, be indicated by suitable signs;

All construction vehicles and mobile plants left unattended at night, adjacent to a public road in normal use or adjacent to construction areas where work is in progress, have appropriate lights or reflectors, or barricades equipped with appropriate lights or reflectors, to identify the location of the vehicles or plant;

All construction vehicles or mobile plants, when not in use, have buckets, booms or similar appendages, fully lowered or blocked, controls in a neutral position, motors stopped, wheels chocked, brakes set, and ignition secured;

Whenever visibility conditions warrant additional lighting, all mobile plants must be equipped with at least two headlights and two taillights when in operation;

Tools, materials and equipment must be secured and separated using a physical barrier to prevent movement when transported in the same compartment with employees;

The vehicles used to transport employees must have seats firmly secured and adequate for the number of employees to be carried, and all construction vehicles or mobile plants travelling, working or operating on public roads must comply with the requirements of the National Road Traffic Act, 1996.

39. Electrical Installations and Machinery

The Principal Contractor must designate a competent person in writing to control all temporary electrical installations on the construction site.

All temporary electrical installations used by the principal contractor and his contractor must be inspected at least once a week by a competent person, and the inspection findings are recorded in a register kept on the construction site; and

The authorised operator or user must inspect all electrical machinery daily using a relevant checklist before use. The inspection findings are recorded in a register kept on the construction site.

The Principal Contractor must also ensure that before construction commences and during the progress thereof, adequate steps are taken to ascertain the presence of and guard against danger to workers from any electrical cable or apparatus which is under, over or on the site;

The Principal Contractor ensures that all parts of electrical installations and machinery are of adequate strength to withstand the working conditions on construction sites;

The Principal Contractor must comply with the Electrical Installation Regulations, 2009, and the Electrical Machinery Regulations, 1988, promulgated by Government Notice No. R. 1593 of 12 August 1988.

40. Temporary Storage of Flammable Liquids

The Principal Contractor must, in addition to compliance with the provisions for the use and storage of flammable liquids in the General Safety Regulations, 2003, ensure that:-

- a) Where flammable liquids are being used, applied or stored at the workplace concerned, it is done in a manner that does not cause a fire or explosion hazard and that the workplace is effectively ventilated;
- b) No person smokes in any place in which flammable liquid is used or stored, and the contractor must affix a suitable and conspicuous notice at all entrances to any such areas prohibiting such smoking;
- c) An adequate amount of efficient fire-fighting equipment is installed in suitable locations around the flammable liquids store with the recognised symbolic signs;
- d) Only the quantity of flammable liquid needed for work on one day is taken out of the store for use;
- e) All containers holding flammable liquids are kept tightly closed when not in actual use and, after their contents have been used up, are removed from the construction site and safely disposed of;
- f) Where flammable liquids are decanted, the metal containers are bonded and earthed; and
- g) No flammable material, including cotton waste, paper, cleaning rags or similar material, is stored together with flammable liquids.

41. Housekeeping and General Safeguarding

The Principal contractor must ensure that suitable housekeeping is continuously implemented on each construction site, including:-

- a) The proper storage of materials and equipment;
- b) The removal of scrap, waste and debris at appropriate intervals;
- c) Ensuring that materials required for use are not placed on the site to obstruct means of access to and egress from workplaces and passageways;
- d) Ensuring that materials which are no longer required for use do not accumulate on and are removed from the site at appropriate intervals;
- e) Ensuring that waste and debris are not disposed of from a high place with a chute unless the chute complies with the requirements set out in regulation 14(6);
- f) Ensuring that construction sites in built-up areas adjacent to a public way are suitably and sufficiently fenced off and provided with controlled access points to prevent the entry of unauthorised persons; and
- g) Ensuring that a catch platform or net is erected above an entrance or passageway or above a place where persons work or pass under, or fencing off the danger area if work is being performed above such entrance, passageway, or place to ensure that all persons are kept safe in the case of danger or possibility of persons being struck by falling objects.

The Principal contractor must comply with the Environmental Regulations for Workplaces, 1987, promulgated by Government Notice No. R. 2281 of 16 October 1987.

42. Stacking and Storage

The Principal contractor must appoint a competent person in writing with the duty to supervise all the stacking and storage on a construction site;

The Principal contractor must provide adequate storage areas as we ensure that storage areas are kept neat and under control.

In addition, he must comply with the provisions for stacking articles in the General Safety Regulations 2003.

43. Fire Precautions

The Principal contractor must ensure that:-

- h) All appropriate measures are taken to avoid the risk of fire;
- i) Sufficient and suitable storage is provided for flammable liquids, solids and gases;
- j) Smoking is prohibited, and notices in this regard are prominently displayed in all places containing readily combustible or flammable materials;
- k) In confined spaces and other places in which flammable gases, vapours or dust can cause danger:-
 - only suitably protected electrical installations and equipment, including portable lights, are used;
 - there are no flames or similar means of ignition;
 - there are conspicuous notices prohibiting smoking;
 - oily rags, waste and other substances liable to ignite are without delay removed to a safe place; and
 - adequate ventilation is provided;
- l) Combustible materials do not accumulate on the construction site;
- m) Welding, flame cutting and other hot work are done only after appropriate precautions have been taken to reduce the risk of fire;
- n) Suitable and sufficient fire-extinguishing equipment is placed at strategic locations or as may be recommended by the Fire Chief or local authority concerned, and such equipment is maintained in good working order;
- o) The fire equipment contemplated in paragraph (g) is inspected by a competent person, who has been appointed in writing for that purpose, in the manner indicated by the manufacturer thereof;
- p) A sufficient number of workers are trained in the use of fire- extinguishing equipment;
- q) Where appropriate, suitable visual signs are provided to indicate the escape routes in the case of a fire;
- r) The means of escape are kept clear at all times;
- s) There is an effective evacuation plan providing for all:-
 - persons to be evacuated speedily without panic;
 - persons to be accounted for; and
 - plant and processes to be shut down; and
- t) A siren is installed and sounded in the event of a fire.

In addition to the above, the Principal Contractor must comply with the Environmental Regulations for Workplaces 1987.

44. Hazardous Chemical Substances

In addition to the requirements in the HCS Regulations, the principal contractor must provide proof in the OHS plan that: -

- a) Material Safety Data Sheets (MSDSs) of the relevant materials/hazardous chemical substances are available before the contractor's use. Mention should be made how the principal contractor will act according to special/unique requirements in the relevant MSDSs. All MSDSs shall be available for inspection by the client at all times;
- b) Risk assessments must be done for this construction project;
- c) Exposure monitoring, where required, shall be undertaken by an AIA and the medical surveillance programme is based on the outcomes of the exposure monitoring;

- d) How records are going to be kept safe for the stipulated period of 30 years;
- e) How the relevant HCSs are being/going to be controlled by referring to: -
 - Limiting the amount of HCS;
 - Limiting the number of employees;
 - Limiting the period of exposure;
 - Substituting the HCS;
 - Using engineering controls;
 - Using appropriate written work procedures.
- f) The correct PPE is being used;
- g) HCS is stored and transported according to SABS 072 and 0228;
- h) Training about these regulations was given.

The OHS plan should refer to hazardous waste disposal on classified sites and the location thereof (where applicable).

45. Construction Facilities

The Principal Contractor must provide at or within reasonable access of every construction site, the following clean, hygienic and maintained facilities:

- i) Shower facilities after consultation with the employees or employees representatives, or at least one shower facility for every 15 persons;
- j) at least one sanitary facility for each sex and every 30 workers;
- k) changing facilities for each sex; and
- l) sheltered eating areas.

The Principal Contractor must provide reasonable and suitable living accommodations for the workers at construction sites who are far removed from their homes and where adequate transportation between the site and their homes or other suitable living accommodation is unavailable.

46. Acceptance

Hereby I confirm that I have read and understood and confirm my intention to comply with all the legal requirements set out under the OHS Act 85 of 1993 and its regulations and this amendment to the Health and Safety Specification:

THUS AGREED TO AND SIGNED AT.....on this theday
of2020, in the presence of the undersigned witness:

Signature:..... Date:

Witness Name:..... Signature:

SIGNED ON BEHALF OF THE PRINCIPAL CONTRACTOR

THUS AGREED TO AND SIGNED AT.....on this theday
of2020, in the presence of the undersigned witness:

Signature:..... Date:

Witness Name:..... Signature:

SIGNED ON BEHALF OF THE CLIENT

47. Construction Work Permit Requirement

As per the Government Notice No. 850 of 17 August 2018:-

A client who intends to have construction work tried out must, at least 30 days before that work is to be carried out, apply to the provincial director in writing for a construction work permit to perform construction work if the intended construction starts work from the 7th August 2018 and will:-

- (i) Since the estimation of the duration of this project will exceed 365 days and will involve more than 3600 person days of construction work; or
- (ii) the tender value limit is grade 7, 8 or 9 of the CIDB grading.

During stage 5 of the construction process, an application for the construction work permit (CWP) will be submitted, which will take a minimum of 30 days to be approved and a permit number be granted. We shall then issue the CWP number to the appointed principal contractor to display at the main entrance to the construction site. The actual permit will be kept in the safety file, and a copy will be displayed on the site noticeboard.

However, before the submission of the CWP application, a list of documents will be collected from the professional team during stage 2 up to stage 4, and the balance of the necessary documents will be collected from the appointed principal contractor. All these documents form part and parcel of the application.

The following professional team documents are to be submitted

To make a successful submission, we need the following documents from each discipline: -

- a) Baseline risk assessments;
- b) Site Specific health and safety specification (SSHSS);
- c) Proof of appointment of competent CHS Agent;
- d) Proof of receipt of SSHSS by the designer/s;
- e) Approval of designs in accordance with the SSHSS;
- f) **OHS**: Proof of appointment of competent CHS Agent;
- g) **Designer**: Designer's appointment outlining duties in terms of CR 6.1 as have been agreed upon;
- h) **Architects**: Appointment letter plus proof of registration with SACAP;
- i) **Structural Engineers**: Appointment letter plus proof of registration with ECSA;
- j) **Land Surveyors**: Appointment letter plus proof of registration with PLATO;
- k) **Interior Designers**: Appointment letter plus proof of registration with SACAP and IID;
- l) **Landscape Architects**: Appointment letter plus proof of registration with SACLAP;
- m) **Civil Engineer**: Appointment letter plus proof of registration with a recognised professional body;
- n) **Electrical Engineer**: Appointment letter plus proof of registration with a recognised professional body;
- o) **Mechanical Engineer**: Appointment letter plus proof of registration with a recognised professional body; and
- p) **Geotechnical Engineer**: Appointment letter plus proof of registration with a recognised professional body.
- q) Evidence that the SSHSS was included in the tender document.

Principal Contractor Documents to be collected and submitted:-

- r) **Temporary Works Designer**: Temporary works designer's appointment duties in terms of CR 6.2 as have been agreed upon, plus proof of registration with ECSA;

- s) Evidence that the contractor has made adequate provision for the cost of Health and safety, i.e. Bill of quantities;
- t) Evidence that the Principal contractor has necessary competencies to carry out construction work safety viz: -
 - * Schedule of activities;
 - * Relevant appointments; and
 - * Proof of competency.
- u) A valid letter of Good standing for the appointed Principal Contractor;
- v) Written appointment/s of Principal Contractor;
- w) The client approves Principal Contractor's health and safety plan.

Kindly email all the required documents to muzi@ledasi.co.za

48. Health and Safety File Format

- 1) Construction Work Permit
- 2) Client Baseline Risk Assessment
- 3) Client Site Specific Health and Safety Specification
- 4) Principal Contractor Letter of Appointment
- 5) Client & Principal Contractor Mandatory Agreement
- 6) OHS Policy
- 7) Principal Contractor Site-Specific Health & Safety Plan
- 8) Letter of Good Standing
- 9) Company Organogram
- 10) Appointment Letters & Competency Certificates
- 11) Annexure 3 - Medicals
- 12) Principal Contractor Risk Assessments
- 13) Fall Protection Plan
- 14) Emergency Evacuation Plan & Layout
- 15) Emergency Telephone Numbers
- 16) Induction
- 17) Toolbox Talks
- 18) PPE
- 19) Wcl2 Forms / Annexure 1
- 20) MSDS
- 21) Tools & Equipment Registers
- 22) Fire Equipment Register
- 23) Electrical Equipment Register
- 24) Scaffolding Equipment Register
- 25) Ladders Register
- 26) Hand Tools Register
- 27) Housekeeping Register
- 28) Stacking and Storage Register
- 29) OHS Act 85/1993
- 30) Construction Regulations 2014

49. Occupational Health and Safety File Approval

Mandatory Compliance Documents				
No	Reference	Item Description	Remarks	Compliance status
1	CR 4.1	Notification to commence construction work.		
2	CR 5.1 k	Appointment of Principal Contractor in writing.		
3	CR 7.1 a	Health and Safety Plan site specific.		
4	CR 5.1 b, CR 7.1 b	Site Specific Health and Safety Specification (Client Copy)		
5	CR 7.1 g	Medical Fitness Certificates (Annexure 3)		
6	CR 9.1	Baseline Risk Assessments (HIRA)		
7	Sect 4 NDM Act	COVID-19 Risk Assessment		
8	Sect 37.2 OHS Act	Mandatory Agreement		
9	GSR 3	Emergency Preparedness		
10				
11	CR 7.1 c (iv)	Letter of Good Standing		
12	Sect 7 OHS Act	OHS Policy		
13	CR 10.1a	Fall Protection Plan		
14	CR 7.5	Induction		
Appointment of Responsible Persons				
15	Sect 16.2 OHS Act	Assignment of Duties (CEO)		
16	CR 8.1	Construction Manager		
17	CR 8.5	Construction Health & Safety Officer		
18		SACPCMP Certificate		
19		Competency Certificate		
20	CR 8.7	Construction Supervisor		
21	CR 9.1	Risk Assessor		
22		Competency Certificate		
23	CR 10.1a	Fall Protection Developer		
24		Competency Certificate		
25	CR 13.1a	Excavation Supervisor		

Mandatory Compliance Documents				
No	Reference	Item Description	Remarks	Compliance status
26	Sect 5.4e NDM Act	Covid-19 Compliance Officer		
27	CR 28a	Stacking and Storage Supervisor		
28	GSR 3.4	First Aider		
29		Competency Certificate		
30	CR 29 h	Fire Equipment Inspector		
31	GSR 13a	Ladder Inspector		
32	GAR 9.2	Incident Investigator		
33	Sect 17 OHS Act	Health and Safety Representative		
34		Competency Certificate		

T2.34 - BASELINE RISK ASSESSMENT	
Project title:	NYAVINI CLINIC: CONSTRUCTION OF SMALL CLINIC
Tender no:	ZNB 5549/2023-H
Project Code:	TBA

BASELINE RISK ASSESSMENT AS ATTACHED



NYAVINI CLINIC

BASELINE RISK ASSESSMENTS

Prepared by:



Issued In Terms Of The Occupational health and safety Act, No 85 of 1993 and construction regulations 2014

RISK MATRIX	
PROBABILITY	
Probability	P
Might well be expected (Happen often)	5
Quite possible	4
Unusual, but possible	3
Remotely possible (Has happened somewhere)	2
Conceivable, but very unlikely	1
Practically impossible (One in a million)	0

SEVERITY				
Classification	SHE impact	SI	Financial impact	FI
Catastrophic	More than one fatality. Occupational illness that result in more than one death. Extreme environmental impact and/or potential for global impact.	10	More than R3.5 m	10
	One fatality and serious injuries	9	R2 m - R3.5 m	9
Disaster	One fatality. Occupational illness that result in death. Significant environmental impact and/or regional.	8	R1 m - R2 m	8
	Amputation major limbs	7	R500 000 - R999 999	7
Serious	Serious injury, permanent disability. Permanent occupational illness. Moderate environmental impact that affects multiple locations.	6	R100 000 - R499 999	6
	Amputation minor limbs	5	R50 000 - R99 999	5
Important	Temporary disability. Occupational illness resulting in days away from work. Moderate environmental impact but localised and readily containable.	4	R100 000 - R49 999	4
	Effects persons ability to work.	3	R5 000 - R9 999	3
Noticeable	Minor first aid. Non-prescription medication. Minimal environmental impact.	2	R1000 - R4 999	2
	Near miss.	1	R1 - R999	1

TOLERABILITY ASSESSMENT					
Probability	1	2	3	4	5
Catastrophic	Yellow	Red	Red	Red	Red
Disaster	Yellow	Yellow	Red	Red	Red
Serious	Green	Green	Yellow	Yellow	Red
Important	Green	Green	Green	Green	Yellow
Noticeable	Green	Green	Green	Green	Green
Severity					

RISK CALCULATION

Total Severity (TS) $TS = (SI + FI)/4$ Total Severity is an average of two element and has maximum value of 10.

Risk Value (RV) $RV = P \times TS$ Calculate the Risk Value for each identified threat by multiplying the Total Probability and Total Severity elements.

Maximum Risk Value The Risk Value has a maximum value of 25. This index will determine the priority assigned to each potential risk.

RISK RATING

- LOW** Tolerable - Manage for continual improvement
- MEDIUM** Tolerable but control improvement must be planned and budgeted immediately
- HIGH** Intolerable - Change or stop process immediately



BASELINE RISK ASSESSMENT



ABR	Mitigation control type	Effectiveness
ELM	Elimination	100%
SBT	Substitution	80%
ENG	Engineering	60%
ASW	Administration/Signage/Warning	40%
PPE	Personal Protective Equipment	20%
NCL	No control	0%

PRECINCT		NYAVINI CLINIC (KZN)										Risk Assessment											
ID Number	Area	SECTION/ACTIVITY	HAZARD	C	I	R	NR	L	RISK	CURRENT CONTROLS	INCIDENT TYPE	Risk Type				Severity				Risk rating			
												Health & Safety	Fire	Security	Environment	Probability (P)	SHE Impact	Financial impact	Total Severity (TS)		Risk value		
NC-001	All NC Areas	Construction Work Permit	Not applying for the Construction Work Permit from the Department of Labour	C				L	Failure to apply to the Department of Labour may result in stoppage of the project, penalties and damage of company reputation.	Collect all the necessary documents from the professional team as well as the contractor prior to stage 5 and submit the application to the Dept of Labour at the beginning of stage 5. Do not start any work until the permit is issued.	Financial loss	X					4	10	10	5	20	High risk	
NC-002	All NC Areas	Notification of construction work	Not notifying the Provincial Director from Department of Labour.	C				L	Failure to notify the Department of Labour may result in stoppage of the project, penalties and damage of company reputation.	Controls not available at the time of risk profiling.	Financial loss	X					4	10	10	5	20	High risk	
NC-003	All NC Areas	Site establishment	Uneven ground around within construction site.			R			Overturning of mobile plant spilling goods that may kill people.	Controls not available at the time of risk profiling.	Fatal	X					4	8	8	4	16	High risk	
NC-004	All NC Areas		Incompetent operator or unfit plant operator.			R			Hitting other people, structure and other plant. Collision.	Controls not available at the time of risk profiling.	Fatal	X						4	8	8	4	16	High risk
NC-005	All NC Areas		Mobile plant not in good state of repair (Smoking)			R			Impact on environment causing air pollution (Damage to O-Zone layer)	Controls not available at the time of risk profiling.	Medium environmental impact			X				4	6	6	3	12	Medium risk
NC-006	All NC Areas		Leaks from the mobile plant			R			Pollution or damage to the ground by leaking oil.	Controls not available at the time of risk profiling.	Low environmental impact			X				4	4	4	2	8	Low risk
NC-007	All NC Areas		Daily inspection not conducted			R			Unidentified hazards that could lead to serious risks	Controls not available at the time of risk profiling.	Disabling injury	X						4	6	6	3	12	Medium risk

NC-008	All NC Areas	Site establishment	Load not properly secured when lifted.			R		Falling of the load from the lifting equipment and causing injuries/ and /or property damage	Controls not available at the time of risk profiling.	Fatal	X				4	8	8	4	16	High risk
NC-009	All NC Areas		Overloading			R		Breaking of chain/ cables/ sling from the lifting equipment .	Controls not available at the time of risk profiling.	Fatal	X				4	8	8	4	16	High risk
NC-010	All NC Areas		Incompetent lifting equipment operator			R		Unsafe operation that could lead to fatal incident	Controls not available at the time of risk profiling.	Fatal	X				4	8	8	4	16	High risk
NC-011	All NC Areas		Load test not conducted.			R		Failure of lifting equipment or collapsing of the platform.	Controls not available at the time of risk profiling.	Fatal	X				4	8	8	4	16	High risk
NC-012	All NC Areas		Container placed on an unstable ground or container standing with unstable supports.			R		Collapsing of the ground and falling of the container killing people and/or damaging property.	Controls not available at the time of risk profiling.	Fatal	X				4	8	8	4	16	High risk
NC-013	All NC Areas		Site security (Site not manned by security)			R		Intruders entering the site and stealing property / equipment.	Controls not available at the time of risk profiling.	Security loss			X		4	6	6	3	12	Medium risk
NC-014	All NC Areas	Delivery of plant and materials on site	Poor stacking and storage of material.			R		Collapsing of stacking injuring people or damaging property	Controls not available at the time of risk profiling.	Disabling injury	X				4	6	6	3	12	Medium risk
NC-015	All NC Areas		Delivery not properly planned on site.			R		Walkway and driveway obstructed by overstock of goods	Controls not available at the time of risk profiling.	Disabling injury	X				4	6	6	3	12	Medium risk
NC-016	All NC Areas		Services not identified and made visible. (Drains, electrical cables etc.)			R		Ground pollution (Drains), and damage of electrical cables that may lead to electrocution and fire risks.	Controls not available at the time of risk profiling.	Fatal	X				4	8	8	4	16	High risk
NC-017	All NC Areas		Damaged pallets and not in good condition mobile plant / vehicles brought to site.			R		Damage to services and causing serious injury to people	Controls not available at the time of risk profiling.	Disabling injury	X				4	6	6	3	12	Medium risk
NC-018	All NC Areas		Unplanned delivery of material on site			R		Traffic congestion that may lead to car crash	Controls not available at the time of risk profiling.	Fatal	X				4	8	8	4	16	High risk
NC-019	All NC Areas	Earthworks	Incompetent operator hired on site.	C			L	Overturning of the mobile plant , hitting other employees resulting to injuries / death	Controls not available at the time of risk profiling.	Fatal	X				4	8	8	4	16	High risk
NC-020	All NC Areas		Exposed to noise	C			L	Loss of hearing	Controls not available at the time of risk profiling.	Disabling ill-health	X				4	6	6	3	12	Medium risk
NC-021	All NC Areas		Mobile plant not in good working condition	C				L	Air pollution, spillages to ground, hitting other people around or other mobile plants and property	Controls not available at the time of risk profiling.	Medium environmental impact			X	4	6	6	3	12	Medium risk

NB: No part of this document must be reproduced in any form without a written permission from Ledasi.

©Copyright apply

NC-022	All NC Areas	Earthworks	Leaks from mobile plants.	C			L	Ground pollution	Controls not available at the time of risk profiling.	Medium environmental impact				X	4	6	6	3	12	Medium risk	
NC-023	All NC Areas		Poor coordination of activities on site.	C			L	Hitting other mobile plant (Collision)	Controls not available at the time of risk profiling.	Fatal	X					4	8	8	4	16	High risk
NC-024	All NC Areas		Exposed to vibration.	C			L	Body injuries	Controls not available at the time of risk profiling.	Disabling ill-health	X					4	6	6	3	12	Medium risk
NC-025	All NC Areas		Services not identified on site	C			L	Mobile plant damaging services	Controls not available at the time of risk profiling.	Fatal	X					4	8	8	4	16	High risk
NC-026	All NC Areas		No dust control on site	C			L	Air pollution	Controls not available at the time of risk profiling.	Low environmental impact				X		4	4	4	2	8	Low risk
NC-027	All NC Areas		Exposure to dust	C			L	Silicosis	Controls not available at the time of risk profiling.	Disabling ill-health	X					4	6	6	3	12	Medium risk
NC-028	All NC Areas		Area full of dust causing poor visibility	C			L	Accidents due to poor visibility	Controls not available at the time of risk profiling.	Disabling injury	X					4	6	6	3	12	Medium risk
NC-029	All NC Areas		Exposed to concrete	C					Skin burns, Dematitis	Controls not available at the time of risk profiling.	Disabling injury	X				4	6	6	3	12	Medium risk
NC-030	All NC Areas	Concrete and Steel fixing works	Concrete spillages	C				Ground pollution	Controls not available at the time of risk profiling.	Medium environmental impact				X	4	6	6	3	12	Medium risk	
NC-031	All NSS Areas		Exposed to cement dust	C					Lung diseases	Controls not available at the time of risk profiling.	Disabling injury	X				4	6	6	3	12	Medium risk
NC-032	All NSS Areas		Exposed to steel edges	C					Cut by steel	Controls not available at the time of risk profiling.	Minor injury	X				4	4	4	2	8	Low risk
NC-033	All NSS Areas		Poor housekeeping	C					Tripped by steel	Controls not available at the time of risk profiling.	Disabling injury	X				4	6	6	3	12	Medium risk
NC-034	All NSS Areas		Poor stacking and storage	C					Falling of steel from height	Controls not available at the time of risk profiling.	Fatal	X				4	8	8	4	16	High risk
NC-035	All NSS Areas		Steel not secured	C					Falling of steel from height	Controls not available at the time of risk profiling.	Fatal	X				4	8	8	4	16	High risk
NC-036	All NSS Areas		No fall prevention on site	C					Falling from height	Controls not available at the time of risk profiling.	Fatal	X				4	8	8	4	16	High risk

NC-037	All NSS Areas	Concrete and Steel fixing works	Unfit employees working on height	C				Falling of employee from height	Controls not available at the time of risk profiling.	Fatal	X				4	8	8	4	16	High risk
NC-038	All NSS Areas		Working on an inclement weather	C				Slippery steel and employees falling from height	Controls not available at the time of risk profiling.	Fatal	X				4	8	8	4	16	High risk
NC-039	All NSS Areas	Stripping work	Incompetent erectors/ inspector and supervisors used on site	C				Hit by components	Controls not available at the time of risk profiling.	Disabling injury	X				4	6	6	3	12	Medium risk
NC-040	All NSS Areas		Poor coordination of work	C				Falling of components hitting other people	Controls not available at the time of risk profiling.	Fatal	X				4	8	8	4	16	High risk
NC-041	All NSS Areas		Poor housekeeping/poor stacking and storage of material on site	C				Tripped by staging material	Controls not available at the time of risk profiling.	Disabling injury	X				4	6	6	3	12	Medium risk
NC-042	All NSS Areas	Brick work	Exposed to sharp brick edges.			R		Cut by bricks	Controls not available at the time of risk profiling.	Minor injury	X				4	4	4	2	8	Low risk
NC-043	All NSS Areas		Poor stacking and storage of material			R		Hit by brick	Controls not available at the time of risk profiling.	Disabling injury	X				4	6	6	3	12	Medium risk
NC-044	All NSS Areas		Exposed to brick dust.			R		Skin infection (dermatitis)	Controls not available at the time of risk profiling.	Disabling ill-health	X				4	4	4	2	8	Low risk
NC-045	All NSS Areas		Poor housekeeping on site			R		Tripped by bricks	Controls not available at the time of risk profiling.	Disabling injury	X				4	6	6	3	12	Medium risk
NC-046	All NSS Areas		Incorrect use of hand tools.			R		Hit by hand tool	Controls not available at the time of risk profiling.	Disabling injury	X				4	6	6	3	12	Medium risk
NC-047	All NSS Areas		PPE not being used by brick layers			R		Cut by hand tool	Controls not available at the time of risk profiling.	Disabling injury	X				4	6	6	3	12	Medium risk
NC-048	All NSS Areas		Scaffolding not having toe boards			R		Falling of hand tool hitting other people	Controls not available at the time of risk profiling.	Fatal	X				4	8	8	4	16	High risk
NC-049	All NSS Areas		Improper use of hand tool			R		Cut by hand tool	Controls not available at the time of risk profiling.	Disabling injury	X				4	6	6	3	12	Medium risk
NC-050	All NSS Areas		Improper use of PPE			R		Inhalation of dust	Controls not available at the time of risk profiling.	Disabling ill-health	X				4	4	4	2	8	Low risk
NC-051	All NSS Areas		Poor working procedure			R		Air pollution	Controls not available at the time of risk profiling.	Low environmental impact			X		4	4	4	2	8	Low risk

NC-052	All NSS Areas	Brick work	Working during a windy day on an open area.			R		Skin infection	Controls not available at the time of risk profiling.	Disabling ill-health	X				4	6	6	3	12	Medium risk	
NC-053	All NSS Areas		Exposed to cement			R				Controls not available at the time of risk profiling.	Disabling ill-health	X				4	6	6	3	12	Medium risk
NC-054	All NSS Areas	Use of Scaffolding	Incompetent erectors/ inspector and supervisors	C			L	Collapse of scaffolding	Controls not available at the time of risk profiling.	Fatal	X				4	8	8	4	16	High risk	
NC-055	All NSS Areas		Scaffolding not complying with SANS 10085.	C			L	Falling from scaffolding	Controls not available at the time of risk profiling.	Fatal	X				4	8	8	4	16	High risk	
NC-056	All NSS Areas		Overloading of scaffolding with bricks and other material.	C			L	Hit by scaffolding components falling from scaffolding	Controls not available at the time of risk profiling.	Fatal	X				4	8	8	4	16	High risk	
NC-057	All NSS Areas		Working on the scaffolding without using fall prevention equipment.	C			L	Falling from scaffolding	Controls not available at the time of risk profiling.	Fatal	X				4	8	8	4	16	High risk	
NC-058	All NSS Areas		Person working on the scaffolding doing alterations on the scaffolding without permission.	C			L	Collapse of scaffolding	Controls not available at the time of risk profiling.	Fatal	X				4	8	8	4	16	High risk	
NC-059	All NSS Areas		Working on the scaffolding on an inclement weather	C			L	Falling from scaffolding	Controls not available at the time of risk profiling.	Fatal	X				4	8	8	4	16	High risk	
NC-060	All NSS Areas		Weekly inspections not conducted.	C			L	Use of unsafe scaffolding that may lead to collapse of scaffolding	Controls not available at the time of risk profiling.	Fatal	X				4	8	8	4	16	High risk	
NC-061	All NSS Areas		Plaster work	Exposed to mortar			R		Skin irritation	Controls not available at the time of risk profiling.	Disabling ill-health	X				4	6	6	3	12	Medium risk
NC-062	All NSS Areas	PPE not used on site				R		Inhalation of Cement dust particles	Controls not available at the time of risk profiling.	Minor health	ill-	X				4	4	4	2	8	Low risk
NC-063	All NSS Areas	Working at heights				R		Falling from height	Controls not available at the time of risk profiling.	Fatal	X				4	8	8	4	16	High risk	
NC-064	All NSS Areas	No fall protection				R		Falling from height, falling on the ground, trip and fall.	Controls not available at the time of risk profiling.	Fatal	X				4	8	8	4	16	High risk	
NC-065	All NSS Areas	Poor coordination of work				R		Chaos that may lead to serious or fatal incident.	Controls not available at the time of risk profiling.	Fatal	X				4	8	8	4	16	High risk	
NC-066	All NSS Areas	Working in the area that is not ventilated				R		Exposed to dust particles and cement.	Controls not available at the time of risk profiling.	Disabling ill-health	X				4	6	6	3	12	Medium risk	

NC-067	All NSS Areas	Roof work	Unfit person working on heights	C			L	Falling from height	Controls not available at the time of risk profiling.	Fatal	X				4	8	8	4	16	High risk
NC-068	All NSS Areas		Working on heights on an inclement weather	C			L	Falling from fragile roof material.	Controls not available at the time of risk profiling.	Fatal	X				4	8	8	4	16	High risk
NC-069	All NSS Areas		Working on an unstable platform.	C			L	Falling from height	Controls not available at the time of risk profiling.	Fatal	X				4	8	8	4	16	High risk
NC-070	All NSS Areas		Exposed to sharp edges.	C			L	Cut by roof sheeting	Controls not available at the time of risk profiling.	Disabling injury	X				4	6	6	3	12	Medium risk
NC-071	All NSS Areas		Poor planning of work activity	C			L	Roof sheeting hitting other people and structures	Controls not available at the time of risk profiling.	Fatal	X				4	8	8	4	16	High risk
NC-072	All NSS Areas		Working on a windy day	C			L	Blown by wind hitting other people.	Controls not available at the time of risk profiling.	Fatal	X				4	8	8	4	16	High risk
NC-073	All NSS Areas		Plumbing work	Incorrect use of hand tool				R	Cut by hand tools	Controls not available at the time of risk profiling.	Disabling injury	X				4	6	6	3	12
NC-074	All NSS Areas	Incorrect use of hand tools					R	Fire	Controls not available at the time of risk profiling.	Fatal		X			4	8	8	4	16	High risk
NC-075	All NSS Areas	Hot work not monitored/ supervised					R	Explosion from gas appliances	Controls not available at the time of risk profiling.	Fatal		X			4	8	8	4	16	High risk
NC-076	All NSS Areas	Incorrect handling of material					R	Tripped by hand tools	Controls not available at the time of risk profiling.	Minor injury	X				4	4	4	2	8	Low risk
NC-077	All NSS Areas	Working at heights					R	Fall from heights	Controls not available at the time of risk profiling.	Fatal	X				4	8	8	4	16	High risk
NC-078	All NSS Areas	Incorrect lifting method					R	Strains from manual handling	Controls not available at the time of risk profiling.	Disabling injury	X				4	6	6	3	12	Medium risk
NC-079	All NSS Areas	Electrical installation	Incompetent electrician used on site.	C			L	Poor workmanship that may lead to electrocution	Controls not available at the time of risk profiling.	Disabling injury	X				4	6	6	3	12	Medium risk
NC-080	All NSS Areas		Use of electrical tool that have wires exposed.	C			L	Fire	Controls not available at the time of risk profiling.	Fatal		X			4	8	8	4	16	High risk
NC-081	All NSS Areas		Generation of sparks during cutting of some material (Disc cutting).	C			L	Fire	Controls not available at the time of risk profiling.	Fatal		X			4	8	8	4	16	High risk

NC-082	All NSS Areas	Electrical installation	Electrical tools that are not in good state of working condition.	C			L	Electrocution resulting to injuries	Controls not available at the time of risk profiling.	Disabling injury	X				4	6	6	3	12	Medium risk	
NC-083	All NSS Areas		Extension cords not properly joined	C			L	Electrocution resulting to injuries	Controls not available at the time of risk profiling.	Disabling injury	X				4	6	6	3	12	Medium risk	
NC-084	All NSS Areas		No earth leakage.	C			L	Lightening strike / Fire	Controls not available at the time of risk profiling.	Fatal		X			4	8	8	4	16	High risk	
NC-085	All NSS Areas		Inspections and testing not conducted on temporal electrical installation	C			L	Electrocution resulting to injuries	Controls not available at the time of risk profiling.	Disabling injury	X				4	6	6	3	12	Medium risk	
NC-086	All NSS Areas		Poor housekeeping.	C			L	Trip and fall incidents	Controls not available at the time of risk profiling.	Disabling injury	X				4	6	6	3	12	Medium risk	
NC-087	All NSS Areas	Finishes	Exposed to sharp edges.		I			Cuts resulting to injuries	Controls not available at the time of risk profiling.	Monor injuries	X				4	4	4	2	8	Low risk	
NC-088	All NC Areas		Unsafe lifting of tile boxes		I				Back injuries while lifting tiles	Controls not available at the time of risk profiling.	Disabling injury	X				4	6	6	3	12	Medium risk
NC-089	All NC Areas		Poor housekeeping		I				Tripped by tiles resulting to injuries	Controls not available at the time of risk profiling.	Disabling injury	X				4	6	6	3	12	Medium risk
NC-090	All NC Areas		Spilages of cement / hazardous chemical substances or flammable substances		I				Ground pollution	Controls not available at the time of risk profiling.	Medium environmental impact			X		4	6	6	3	12	Medium risk
NC-091	All NC Areas		Exposed to fumes		I				Inhalation of fumes resulting to silicosis. Oxygen reduction	Controls not available at the time of risk profiling.	Disabling ill-health	X				4	6	6	3	12	Medium risk
NC-092	All NC Areas		Working area not ventilated		I				Reduction of oxygen	Controls not available at the time of risk profiling.	Disabling ill-health	X				4	6	6	3	12	Medium risk
NC-093	All NC Areas		Incorrect use of PPE i.e. using dust mask instead of respirators.		I				Inhalation of hazrdous fumes	Controls not available at the time of risk profiling.	Disabling ill-health	X				4	6	6	3	12	Medium risk
NC-094	All NC Areas		Exposed to dust generated during cutting and installation of ceiling.		I				Inhalation of dust particles resulting to chest infections, air pollution	Controls not available at the time of risk profiling.	Disabling ill-health	X				4	6	6	3	12	Medium risk
NC-095	All NC Areas		Poor handling of ceiling boards		I				Hit by boards resulting to body injuries	Controls not available at the time of risk profiling.	Minor injury	X				4	4	4	2	8	Low risk
NC-096	All NC Areas		PPE not used when handling ceiling boards		I				Cut by boards resulting to injuries	Controls not available at the time of risk profiling.	Minor injury	X				4	4	4	2	8	Low risk
NC-097	All NC Areas		Incorrect use of ladders on site		I				Falling from ladder resulting injuries	Controls not available at the time of risk profiling.	Disabling injury	X				4	6	6	3	12	Medium risk
NC-098	All NC Areas		Defective ladders used on site.		I				Breaking of ladder	Controls not available at the time of risk profiling.	Disabling injury	X				4	6	6	3	12	Medium risk

NB: No part of this document must be reproduced in any form without a written permission from Ledasi.

©Copyright apply

NC-099	All NC Areas	Finishes	Ladders not inspected		I			Falling from breaking ladder resulting to injuries	Controls not available at the time of risk profiling.	Disabling injury	X				4	6	6	3	12	Medium risk
NC-100	All NC Areas		Hanging loads on the ladders		I			Breaking of ladder resulting to injuries	Controls not available at the time of risk profiling.	Disabling injury	X				4	6	6	3	12	Medium risk
NC-101	All NC Areas	Use of mobile plant / Construction vehicles on site	Incompetent mobile plant operator	C			L	Overturning of plant / construction vehicle resulting to employees being injured/ resulting to fatality	Controls not available at the time of risk profiling.	Fatal	X				4	8	8	4	16	High risk
NC-102	All NC Areas		Medically unfit operators	C			L	Overturning of mobile plant, hitting employees and other plants and construction vehicles.	Controls not available at the time of risk profiling.	Fatal	X				4	8	8	4	16	High risk
NC-103	All NC Areas		Mobile plant and construction vehicles not in good state of repair.	C			L	Air pollution, oil spillages onto ground, hitting other people around or other mobile plants and property	Controls not available at the time of risk profiling.	Medium environmental impact				X	4	6	6	3	12	Medium risk
NC-104	All NC Areas		No reverse alarm from the mobile plant / construction vehicle.	C			L	Reversing on employees working around	Controls not available at the time of risk profiling.	Fatal	X				4	8	8	4	16	High risk
NC-105	All NC Areas		Daily inspections not conducted on mobile plant and construction vehicles.	C			L	Mobile plant catching fire, exposure to smoke by employees around. hitting employees, other construction vehicles and plants around	Controls not available at the time of risk profiling.	Fatal		X			4	8	8	4	16	High risk
NC-106	All NC Areas		Poor co-ordination of work activities on site	C			L	Mobile plant and construction vehicle hitting employees, other plants and property	Controls not available at the time of risk profiling.	Fatal	X				4	8	8	4	16	High risk
NC-117	All NC Areas	Use of generators	Generator used on site not in good condition	C			L	Electrocution resulting to injuries	Controls not available at the time of risk profiling.	Minor injury	X				4	4	4	2	8	Low risk
NC-118	All NC Areas		Exposed wires from extensions	C			L	electrocution resulting to injuries	Controls not available at the time of risk profiling.	Minor injury	X				4	4	4	2	8	Low risk
NC-119	All NC Areas		Fuel leaks on the generator.	C			L	Ground pollution, air pollution, fire	Controls not available at the time of risk profiling.	Medium environmental impact	X				4	6	6	3	12	Medium risk
NC-120	All NC Areas		Inspections not conducted on the generator used on site.	C			L	Fire, ground pollution, air pollution	Controls not available at the time of risk profiling.	Disabling injury	X				4	6	6	3	12	Medium risk
NC-121	All NC Areas	Use and temporary storage of flammable liquids	Smoking or open flames closeby	C			L	Explosion causing fatality	Controls not available at the time of risk profiling.	Fatal	X				4	8	8	4	16	High risk

NC-122	All NC Areas	Use and temporary storage of flammable liquids	Storage of flammable area not built as per the specification (No bunding facility)	C			L	Spillage and leaks causing environmental pollution	Controls not available at the time of risk profiling.	Medium environmental impact			X	4	6	6	3	12	Medium risk	
NC-123	All NC Areas		Placing combustible material around with flammable liquids.	C			L	Fire causing damage properly and mobile plants	Controls not available at the time of risk profiling.	Fatal		X		4	8	8	4	16	High risk	
NC-124	All NC Areas		Large quantities of flammable liquids brought in the working area (Temporal storage) where there is a fire risk	C			L	Fire	Controls not available at the time of risk profiling.	Fatal		X		4	8	8	4	16	High risk	
NC-125	All NC Areas	Stacking and storage of goods	Poor stacking and storage of material.	C			L	Collapsing of stacking resulting to injuries/ fatality	Controls not available at the time of risk profiling.	Fatal	X			4	8	8	4	16	High risk	
NC-126	All NC Areas		Protruding material	C			L	Tripp and fall incident resulting to injuries.	Controls not available at the time of risk profiling.	Disabling injury	X			4	6	6	3	12	Medium risk	
NC-127	All NC Areas		Walkways not clear.	C			L	Tripp and fall incident resulting to injuries.	Controls not available at the time of risk profiling.	Disabling injury	X			4	6	6	3	12	Medium risk	
NC-128	All NC Areas	Working in a confined space	Oxygen deficiency	C			L	Lack of Oxygen content that may lead to death.	Controls not available at the time of risk profiling.	Fatal	X			4	8	8	4	16	High risk	
NC-129	All NC Areas	Carpentry work	Handling of sharp nails and sharp splints			R		Sharp nails or splints causing injury to employees.	Controls not available at the time of risk profiling.	Disabling injury	X			4	6	6	3	12	Medium risk	
NC-130	All NC Areas		Electrical tools that are not in good state of working condition.			R		Electrocution resulting to injuries	Controls not available at the time of risk profiling.	Disabling injury	X			4	6	6	3	12	Medium risk	
NC-131	All NC Areas		Handling of carpentry tools hammer (Hammers etc.)			R		Hit by tools e.g. hammer on finger / hand causing limb fracture.	Controls not available at the time of risk profiling.	Disabling injury	X			4	6	6	3	12	Medium risk	
NC-132	All NC Areas	Working at heights	Risk positions e.g. unprotected openings in floors, edges, slabs, hatchways, stairways etc.	C			L	Employee falling from height and sustain fractured limbs or die.	Controls not available at the time of risk profiling.	Fatal	X			4	8	8	4	16	High risk	
NC-133	All NC Areas		Medically unfit employee working at height.	C			L		Controls not available at the time of risk profiling.	Fatal	X				4	8	8	4	16	High risk
NC-134	All NC Areas		Use of fall arrest equipment that is not approved and / or not inspected.	C			L		Controls not available at the time of risk profiling.	Fatal	X				4	8	8	4	16	High risk
NC-135	All NC Areas		Fall protection plan / procedure not available or not followed if available.	C			L		Controls not available at the time of risk profiling.	Fatal	X				4	8	8	4	16	High risk
NC-136	All NC Areas		Lack of training for all employees working at height.	C			L		Controls not available at the time of risk profiling.	Fatal	X				4	8	8	4	16	High risk

NC-137	All NC Areas	Paint work	Generation of hazardous fumes			R			Inhalation of hazardous fumes into lungss that may cause lung diseases.	Controls not available at the time of risk profiling.	Disabling ill-health	X				4	6	6	3	12	Medium risk	
NC-138	All NC Areas		Spillage of paint on the floor			R			Ground pollution	Controls not available at the time of risk profiling.	Medium environmental impact			X			4	6	6	3	12	Medium risk
NC-139	All NC Areas	Ceiling work	Working on heights			R			Falling of employee from heights	Controls not available at the time of risk profiling.	Fatal	X				4	8	8	4	16	High risk	
NC-140	All NC Areas		Exposed to sharp edges.			R			Cuts and lacerations	Controls not available at the time of risk profiling.	Disabling injury	X				4	6	6	3	12	High risk	
NC-141	All NC Areas		Generation of dust			R			Dust may affect employees eyes and inhalation of dust into lungs may cause Silicosis.	Controls not available at the time of risk profiling.	Disabling ill-health	X				4	6	6	3	12	Medium risk	
NC-147	All NC Areas	Welding operation	Exposed to hazardous fumes	C				L	Lung function diseases	Controls not available at the time of risk profiling.	Disabling ill-health	X				4	6	6	3	12	Medium risk	
NC-148	All NC Areas		Exposed to welding sparks	C					L	Burns and fire	Controls not available at the time of risk profiling.	Disabling ill-health	X				4	8	8	4	16	High risk
NC-149	All NC Areas		Exposed to Arch welding light	C					L	Loss of eye sight	Controls not available at the time of risk profiling.	Disabling ill-health	X				4	6	6	3	12	Medium risk
NC-150	All NC Areas		Exposed to live electricity	C					L	Electrocution resulting to injuries	Controls not available at the time of risk profiling.	Disabling injury	X				4	6	6	3	12	Medium risk
NC-151	All NC Areas	Fall protection (Working at height)	Unfit person working on heights	C				L	Falling from height	Controls not available at the time of risk profiling.	Fatal	X				4	8	8	4	16	High risk	
NC-152	All NC Areas		Working on heights on an inclement weather	C					L	Falling from fragile roof material.	Controls not available at the time of risk profiling.	Fatal	X				4	8	8	4	16	High risk
NC-153	All NC Areas		Working on an unstable platform.	C					L	Falling from height	Controls not available at the time of risk profiling.	Fatal	X				4	8	8	4	16	High risk
NC-154	All NC Areas		Exposed to sharp edges.	C					L	Cut by roof sheeting	Controls not available at the time of risk profiling.	Disabling injury	X				4	6	6	3	12	Medium risk
NC-155	All NC Areas		Poor planning of work activity	C					L	Roof sheeting hitting other people and structures	Controls not available at the time of risk profiling.	Fatal	X				4	8	8	4	16	High risk
NC-156	All NC Areas		Working on a windy day	C					L	Blown by wind hitting other people.	Controls not available at the time of risk profiling.	Fatal	X				4	8	8	4	16	High risk

NC-157	All NC Areas	Temporary work	Poor design of temporary work	C			L	Collapse of structure	Controls not available at the time of risk profiling.	Fatal	X				4	8	8	4	16	High risk
NC-158	All NC Areas		Inavailability of supervision to temporary work.	C			L	Collapse of structure	Controls not available at the time of risk profiling.	Fatal	X				4	8	8	4	16	High risk
NC-159	All NC Areas		Lack or poor inspection of temporary structure	C			L	Collapse of structure	Controls not available at the time of risk profiling.	Fatal	X				4	8	8	4	16	High risk
NC-160	All NC Areas		Overloading of temporary work	C			L	Collapse of structure	Controls not available at the time of risk profiling.	Fatal	X				4	8	8	4	16	High risk
NC-161	All NC Areas	Excavation work	Exposed to contaminated soil	C			L	Skin infections	Controls not available at the time of risk profiling.	Disabling injury	X				4	6	6	3	12	Medium risk
NC-162	All NC Areas		lack of oxygen	C			L	Lack of Oxygen content that may lead to death.	Controls not available at the time of risk profiling.	Fatal	X				4	8	8	4	16	High risk
NC-163	All NC Areas		Over flooded excavation	C			L	Drowning	Controls not available at the time of risk profiling.	Fatal	X				4	8	8	4	16	High risk
NC-164	All NC Areas		Unstable excavation walls	C			L	Collapsing of excavation resulting to persons being buried underground.	Controls not available at the time of risk profiling.	Fatal	X				4	8	8	4	16	High risk
NC-165	All NC Areas		Lack of excavation daily inspections	C			L	Collapsing of excavation resulting to persons being buried underground.	Controls not available at the time of risk profiling.	Fatal	X				4	8	8	4	16	High risk
NC-166	All NC Areas		Lack of supervision	C			L	Collapsing of excavation resulting to persons being buried underground.	Controls not available at the time of risk profiling.	Fatal	X				4	8	8	4	16	High risk
NC-167	All NC Areas	Demolition work	Inavailability of structural detailed engineering survey.	C			L	Collapse of structure	Controls not available at the time of risk profiling.	Fatal	X				4	8	8	4	16	High risk
NC-168	All NC Areas		Inavailability of method statement	C			L	Collapse of structure	Controls not available at the time of risk profiling.	Fatal	X				4	8	8	4	16	High risk
NC-169	All NC Areas		Lack of regular inspections of structure	C			L	Collapse of structure	Controls not available at the time of risk profiling.	Fatal	X				4	8	8	4	16	High risk
NC-170	All NC Areas		Absence of competent persons to conduct demolition	C			L	Collapse of structure	Controls not available at the time of risk profiling.	Fatal	X				4	8	8	4	16	High risk
NC-171	All NC Areas		Exposed to dust	C			L	Lung function diseases	Controls not available at the time of risk profiling.	Disabling injury	X				4	6	6	3	12	Medium risk

NC-172	All NC Areas	Demolition work	Exposed to noise	C			L	Loss of hearing	Controls not available at the time of risk profiling.	Disabling injury	X				4	6	6	3	12	Medium risk
NC-173	All NC Areas	Hand tools	Lack of register and inspection of tools	I				Defective tools that may cause injury	Controls not available at the time of risk profiling.	Disabling injury	X				4	6	6	3	12	Medium risk
NC-174	All NC Areas		Lack of training of the users regarding safe use of tools.	I				Improper use of tool that may cause injury to the user or the other employees.	Controls not available at the time of risk profiling.	Disabling injury	X				4	6	6	3	12	Medium risk
NC-175	All NC Areas	Housekeeping and general safeguarding	Untidy or filthy working area	C			L	Slip, trip and fall incidents that may cause severe injury or death.	Controls not available at the time of risk profiling.	Fatal	X				4	8	8	4	16	High risk
NC-176	All NC Areas		Waste not removed	C			L	Degradation to the environment caused by pollution.	Controls not available at the time of risk profiling.	Major Environmental impact			X		4	8	8	4	16	High risk
NC-177	All NC Areas		Walkways, emergency equipment and fire escape doors obstructed.	C			L	Fire	Controls not available at the time of risk profiling.	Fatal		X			4	8	8	4	16	High risk
NC-178	All NC Areas	Fire precaution	Fire equipment not inspected or serviced	C			L	Failure of equipment to work during fire situation will lead to the spread of fire causing fatalities and property damage	Controls not available at the time of risk profiling.	Fatal		X			4	8	8	4	16	High risk
NC-179	All NC Areas		Inappropriate storage and use of flammable liquids	C			L	Fire	Controls not available at the time of risk profiling.	Fatal		X			4	8	8	4	16	High risk
NC-180	All NC Areas		Inappropriate storage and use of Gas Cylinders	C			L	Gas explosion	Controls not available at the time of risk profiling.	Fatal		X			4	8	8	4	16	High risk
NC-181	All NC Areas		Smoking outside designated smoking areas	C			L	Fire	Controls not available at the time of risk profiling.	Fatal		X			4	8	8	4	16	High risk
NC-182	All NC Areas		Inavailability of emergency preparedness procedure.	C			L	Employees would not know what to do in the case of emergency (Fire) and this may cause chaos that may end up	Controls not available at the time of risk profiling.	Fatal		X			4	8	8	4	16	High risk
NC-183	All NC Areas		Lack of training on the use of fire equipment, emergency procedure and other fire related trainings.	C			L	people dying including damage to property.	Controls not available at the time of risk profiling.	Fatal		X			4	8	8	4	16	High risk
NC-184	All NC Areas	Handling of hazardous chemical substances	Lack of PPE, wrong PPE issued and PPE not used correctly	C			L	Inhalation of hazardous fumes into lungss that may cause lung diseases.	Controls not available at the time of risk profiling.	Disabling ill-health	X				4	6	6	3	12	Medium risk
NC-185	All NC Areas		Unsafe handling of Hazardours substances	C			L	Contact with hazardous material causing skin diseases.	Controls not available at the time of risk profiling.	Disabling ill-health	X				4	6	6	3	12	Medium risk

NC-186	All NC Areas	Handling of hazardous chemical substances	Containers of hazardous chemicals not labelled	C				L	Consumption of hazardous chemicals thinking it is water or cool drink. This may lead to death.	Controls not available at the time of risk profiling.	Fatal	X				4	8	8	4	16	High risk	
NC-187	All NC Areas		Lack of training on the correct / safe use of hazardous chemicals including PPE.	C				L	Lack of knowledge may lead unsafe action / use of hazardous chemical substance and this may lead to fatal situation.	Controls not available at the time of risk profiling.	Fatal	X					4	8	8	4	16	High risk
NC-188	All NC Areas	Environmental management	Air, water and ground pollution not prevented	C				L	Hazardous material that may cause pollution to air, water and ground.	Controls not available at the time of risk profiling.	Major Environmental impact				X	4	8	8	4	16	High risk	
NC-189	All NC Areas		Waste not managed	C				L	Waste material that may cause contamination / pollution to air, water and ground.	Controls not available at the time of risk profiling.	Major Environmental impact				X	4	8	8	4	16	High risk	
NC-190	All NC Areas		Inavailability of toilets or bad behaviour of employees.	C				L	Employees urinating on the environment and acid urine harm the environment.	Controls not available at the time of risk profiling.	Minor Environmental impact				X	4	4	4	2	8	Low risk	
NC-191	All NC Areas	Use of explosive fastening device	The user not wearing suitable protective equipment	C				L	Cartridges, nails or studs may cause severe injury	Controls not available at the time of risk profiling.	Disabling injury	X				4	6	6	3	12	Medium risk	
NC-192	All NC Areas		Device not provided with a protective guard around the muzzle.	C				L		Controls not available at the time of risk profiling.	Disabling injury	X					4	6	6	3	12	Medium risk
NC-193	All NC Areas		Wrong cartridges used	C				L		Controls not available at the time of risk profiling.	Disabling injury	X					4	6	6	3	12	Medium risk
NC-194	All NC Areas		Device not locked up in a safe place	C				L		Untrained person may gain access into device, use it and cause injury to himself or other employees.	Controls not available at the time of risk profiling.	Disabling injury	X				4	6	6	3	12	Medium risk
NC-195	All NC Areas		Device not stored in a loaded condition	C				L		Cartridges, nails or studs may cause severe injury	Controls not available at the time of risk profiling.	Disabling injury	X				4	6	6	3	12	Medium risk
NC-199	All NC Areas	Waste management	Waste bins not provided	C				L	Employees dump waste around the site and cause housekeeping problem and ground pollution / contamination.	Controls not available at the time of risk profiling.	Major Environmental impact				X	4	8	8	4	16	High risk	
NC-200	All NC Areas		Waste accumulation in the absence of waste collection	C				L	This causes housekeeping problems. Waste audits may cause health risks.	Controls not available at the time of risk profiling.	Major Environmental impact				X	4	8	8	4	16	High risk	
NC-201	All NC Areas		Waste separation from the source not practiced.	C				L	Waste contamination that may end up causing environmental damage.	Controls not available at the time of risk profiling.	Major Environmental impact				X	4	8	8	4	16	High risk	

NB: No part of this document must be reproduced in any form without a written permission from Ledasi.

©Copyright apply

NC-202	All NC Areas	Emergency preparedness	Absence of emergency procedure	C			L	Employees may not know what to do in the case of emergency, chaos will erupt and employees may die.	Controls not available at the time of risk profiling.	Fatal	X				4	8	8	4	16	High risk		
NC-203	All NC Areas		Training not provided	C			L			Fatal	X				4	8	8	4	16	High risk		
NC-204	All NC Areas		Assembly points not provided	C			L			Fatal	X				4	8	8	4	16	High risk		
NC-205	All NC Areas		Emergency equipment not provided	C			L	Emergency e.g. fire may escalate and cause fatal incident.	Controls not available at the time of risk profiling.	Fatal	X				4	8	8	4	16	High risk		
NC-206	All NC Areas	Occupational health and safety management	Risk assessment not conducted	C			L	Failure to manage occupational health and safety on site may lead to incidents from minor to fatal incidents, damage to property, from minor to fatal ill-health issues and major environmental harm.	Controls not available at the time of risk profiling.	All types of incidents	X				4	8	8	4	16	High risk		
NC-207	All NC Areas		Legal compliance assessment not conducted	C			L				X						4	8	8	4	16	High risk
NC-208	All NC Areas		Resources, roles, responsibilities and accountability not established	C			L				X						4	8	8	4	16	High risk
NC-209	All NC Areas		Lack of competence, training and awareness of employees	C			L				X						4	8	8	4	16	High risk
NC-210	All NC Areas		Lack of communication, participation and consultation	C			L				X						4	8	8	4	16	High risk
NC-211	All NC Areas		Inavailability of documentation e.g. Safety file	C			L				X						4	8	8	4	16	High risk
NC-212	All NC Areas		Lack of controls on all construction activities that are associated with hazards	C			L				X						4	8	8	4	16	High risk
NC-213	All NC Areas		Incidents not reported, investigated and improvement actions taken to ensure recurrence.	C			L				X						4	8	8	4	16	High risk
NC-214	All NC Areas	Intoxication	Employees allowed to work whilst he/she is or appear to be under influenced of intoxicating liquor or drugs.	C			L	Doing unsafe act e.g. driving over a person with a motor vehicle or plant.	Controls not available at the time of risk profiling.	Fatal	X				4	8	8	4	16	High risk		
NC-215	All NC Areas	Risks coming from outside and affecting the health and safety of people on site	Snakes crawling in the construction site		I			Snake bite	Controls not available at the time of risk profiling.	Fatal	X				4	8	8	4	16	High risk		
NC-216	All NC Areas		Verminous insects e.g. spiders		I			Verminous insects bite	Controls not available at the time of risk profiling.	Fatal	X				4	8	8	4	16	High risk		
NC-217	All NC Areas		Lightening during thunderstorms		I			Lightening strike / Fire	Controls not available at the time of risk profiling.	Fatal	X				4	8	8	4	16	High risk		
NC-218	All NC Areas	Use of Troxler equipment	Exposure to Radiation		I			Cancer	Controls not available at the time of risk profiling.	Fatal	x				4	8	8	4	16	High risk		
NC-219	All NC Areas		Exposure to Radiation		I			Skin burns	Controls not available at the time of risk profiling.	Disabling ill-health	x				4	8	8	4	16	High risk		
NC-220	All NC Areas		Exposure to Radiation		I			Cardiac disease	Controls not available at the time of risk profiling.	Disabling ill-health	x				4	8	8	4	16	High risk		

T2.36 - Functionality Criteria

The threshold score, below which tenderers are eliminated from further consideration is 60 points

MTUBATUBA COMMUNITY HEALTH CENTRE

TENDER EVALUATION CRITERIA AND SCORING

The weighting for Functionality is as follows:

Evaluation Criteria	Deliverables	Points	Sub-Points	Sub-Criteria	
1	Financial Standing	20 Points		Sub-points	Audited Financial Statements; for the past two (2) Financial Years (2021 & 2022 financial years), clearly reflecting the following:
			5		i) Liquidity - ability to settle short-term debt - Acid Test Ratio = Current Assets (exc inventory)/Current Liability = not less than 50%
			5		ii) Debt Management/Insolvency = Percentage of total assets provided by creditors - Total Debt/Total Assets recommended maximum of 60% Debt & 40% Equity
			5		iii) Profitability = measure of profitability independent of enterprise's financing and tax position - Operating margin = EBIT/Sales recommended minimum of 20% threshold
			5		iv) Financial Stability /Sustainability & Going Concern - Net Asset Value (NAV) - positive recommended threshold of NAV/Total Assets minimum of 20%
2.	Competency, Experience and Resource Capacity	25 Points	25	Sub-points	Schedule of experience on 4 or more general building projects (CIDB grading values of 7GB and over) – letters of award and practical completion certificates to be attached for projects completed in the preceding 7 years
			10	Sub-points	Schedule of experience on 3 or more general building projects of similar value (CIDB grading values of 7GB and over) – letters of award and practical completion certificates to be attached for projects completed in the preceding 7 years
			0	Sub-points	No relevant experience in building projects of similar value in the preceding 7 years or requested documents not provided

			15 Points	15	Sub-points	Schedule of experience on 2 or more general building projects of similar value in the Health Sector (CIDB grading values of 7GB and over) – letters of award and practical completion certificates to be attached for projects completed in the preceding 7 years
				5	Sub-points	Schedule of experience on 1 or more general building projects of similar value in the Health Sector (CIDB grading values of 7GB and over) – letters of award and practical completion certificates to be attached for projects completed in the preceding 7 years
				0	Sub-points	No relevant experience in Health Projects of similar value in the preceding 7 years or requested documents not provided
3.	Tenderer's Project Management Structure and Organogram and Experience of Resources Proposed for the Project	Tenderer to submit a detailed project organogram that sets out the roles and responsibilities of each proposed team member, which is backed up by their curriculum vitae that demonstrates extensive experience	10 Points	10	Sub-points	Submission of a detailed organogram detailing technical key resources forming part of the project along with their responsibilities.
			15 Points	15	Sub-points	All key project resources have more than (8) years' experience in the construction industry. Resources are to include but not limited to Contracts Manager/Site Agent, Site Foreman including an individual with a Quantity Surveying background
				5	Sub-points	All key project resources have more than (6) years' experience in the construction industry. Resources are to include but not limited to Contracts Manager/Site Agent, Site Foreman including an individual with a Quantity Surveying background
				0	Sub-points	No submission provided or submission does not comply with conditions stated
			15 Points	15	Sub-points	Submission of detailed CVs with traceable references of all key resources (2 points awarded per CV up to a maximum of 10 points)
				0	Sub-points	No submission provided or CV lacks sufficient detail in terms of experience and qualifications

TENDER EVALUATION CRITERIA AND SCORING PRICE AND SPECIFIC GOALS

Evaluation Criteria	Deliverables	Points	
Price	The lowest responsive and responsible priced offer shall be allocated 80 points. All other responsive and responsible offers shall be allocated a prorated point value based on the lowest responsive and responsible priced offer.	90	Points
Specific Goals	The points allocated to each tenderer for Specific Goals. In this regard, the points score for this criteria for each tenderer, shall be determined as follows: - full points(20 points) to companies who are at least 51% Owned by Black People	10	Points

PART A
INVITATION TO TENDER - SBD 1

ZNB 5549/2023-H										
TENDER NUMBER:	ZNB 5549/2023-H	CLOSING DATE:	45180				CLOSING TIME:	11:00		
DESCRIPTION	NYAVINI CLINIC: CONSTRUCTION OF SMALL CLINIC									
THE SUCCESSFUL TENDERER WILL BE REQUIRED TO FILL IN AND SIGN A WRITTEN CONTRACT										
TENDER RESPONSE DOCUMENTS MAY BE DEPOSITED IN THE TENDER BOX SITUATED AT <i>(STREET ADDRESS)</i>										
Supply Chain Management, 310 Jabu Ndlovu Street, Pietermaritzburg, 3200										
SUPPLIER INFORMATION										
NAME OF TENDERER										
POSTAL ADDRESS										
STREET ADDRESS										
TELEPHONE NUMBER	CODE					NUMBER				
CELLPHONE NUMBER										
FACSIMILE NUMBER	CODE					NUMBER				
E-MAIL ADDRESS										
VAT REGISTRATION NUMBER										
	TCS PIN:				CSD No:					
B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE (Tick YES or NO)	Yes					B-BBEE STATUS LEVEL SWORN AFFIDAVIT (Tick YES or NO)	Yes			
	No						No			
If YES, State the name of the verification agency accredited by SANAS										
[A B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE/SWORN AFFIDAVIT(FOR EMEs& QSEs) MUST BE SUBMITTED IN ORDER TO QUALIFY FOR PREFERENCE POINTS FOR B-BBEE]										
ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS /SERVICES /WORKS OFFERED?	Yes				NO					
	[IF YES ENCLOSE PROOF]					(IF YES ANSWER PART B:3 BELOW)				
SIGNATURE OF TENDERER						DATE				
CAPACITY UNDER WHICH THIS TENDER IS SIGNED (Attach proof of authority to sign this tender; e.g. resolution of directors, etc.)										
TOTAL NUMBER OF ITEMS OFFERED						TOTAL TENDER PRICE (ALL INCLUSIVE)				
TENDERING PROCEDURE ENQUIRIES MAY BE DIRECTED TO:					TECHNICAL INFORMATION MAY BE DIRECTED TO:					
DEPARTMENT/ PUBLIC ENTITY	KZN - DEPARTMENT OF HEALTH				CONTACT PERSON	Mrs Z. Docrat				
CONTACT PERSON	Junitha Sookraj				TELEPHONE NUMBER	(033) 940 2609				
TELEPHONE NUMBER	(033) 815 8369				FACSIMILE NUMBER	N/A				
FACSIMILE NUMBER	N/A				E-MAIL ADDRESS	Zakayah.Docrat@kznhealth.gov.za				
E-MAIL ADDRESS	junitha.sookraj@kznhealth.gov.za									

PART B

TERMS AND CONDITIONS FOR TENDERER - SBD 1

1.5. THIS TENDER IS SUBJECT TO THE PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT 2000 AND THE PREFERENTIAL PROCUREMENT REGULATIONS, 2022, THE GENERAL CONDITIONS OF CONTRACT (GCC) AND, IF APPLICABLE, ANY OTHER LEGISLATION OR SPECIAL CONDITIONS OF CONTRACT.

2. TAX COMPLIANCE REQUIREMENTS

2.1 TENDERERS MUST ENSURE COMPLIANCE WITH THEIR TAX OBLIGATIONS.

2.2 TENDERERS ARE REQUIRED TO SUBMIT THEIR UNIQUE PERSONAL IDENTIFICATION NUMBER (PIN) ISSUED BY SARS TO ENABLE THE ORGAN OF STATE TO VIEW THE TAXPAYER'S PROFILE AND TAX STATUS.

2.3 [APPLICATION FOR TAX COMPLIANCE STATUS \(TCS\) OR PIN MAY ALSO BE MADE VIA E-FILING. IN ORDER TO USE THIS PROVISION, TAXPAYERS WILL NEED TO REGISTER WITH SARS AS E-FILERS THROUGH THE WEBSITE \[WWW.SARS.GOV.ZA\]\(http://WWW.SARS.GOV.ZA\).](#)

2.4 TENDERERS MAY ALSO SUBMIT A PRINTED TCS TOGETHER WITH THE Tender.

2.5 IN TENDERS WHERE CONSORTIA / JOINT VENTURES / SUB-CONTRACTORS ARE INVOLVED, EACH PARTY MUST SUBMIT A SEPARATE PROOF OF TCS / PIN / CSD NUMBER.

2.6 WHERE NO TCS IS AVAILABLE BUT THE TenderER IS REGISTERED ON THE CENTRAL SUPPLIER DATABASE (CSD), A CSD NUMBER MUST BE PROVIDED.

3. QUESTIONNAIRE TO TENDERING FOREIGN SUPPLIERS

3.1. IS THE TENDERER A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)?	YES		NO	
3.2. DOES THE TENDERER HAVE A BRANCH IN THE RSA?	YES		NO	
3.3. DOES THE TENDERER HAVE A PERMANENT ESTABLISHMENT IN THE RSA?	YES		NO	
3.4. DOES THE TENDERER HAVE ANY SOURCE OF INCOME IN THE RSA?	YES		NO	

IF THE ANSWER IS "NO" TO ALL OF THE ABOVE, THEN, IT IS NOT A REQUIREMENT TO OBTAIN A TAX COMPLIANCE STATUS / TAX COMPLIANCE SYSTEM PIN CODE FROM THE SOUTH AFRICAN REVENUE SERVICE (SARS) AND IF NOT REGISTER AS PER 2.3 ABOVE.

NB: FAILURE TO PROVIDE ANY OF THE ABOVE PARTICULARS MAY RENDER THE TENDER INVALID.



NYAVINI CLINIC: CONSTRUCTION OF SMALL CLINIC

THE CONTRACT



NYAVINI CLINIC: CONSTRUCTION OF SMALL CLINIC

C1 - AGREEMENT AND CONTRACT DATA



NYAVINI CLINIC: CONSTRUCTION OF SMALL CLINIC

FORM OF OFFER AND ACCEPTANCE



NYAVINI CLINIC: CONSTRUCTION OF SMALL CLINIC

C.1.1 - FORM OF OFFER AND ACCEPTANCE

THE OFFER AND ACCEPTANCE FORM IS BOUND INTO **SECTION 1** (See end of Returnable Documents) OF THIS DOCUMENT AS PART OF THE RETURNABLE DOCUMENTS. ONCE A CONTRACT IS CONCLUDED WITH A SUCCESSFUL TENDERER, THIS PAGE WILL BE REPLACED WITH THE FILLED AND SIGNED OFFER AND ACCEPTANCE BY THE EMPLOYER AND IT WILL BECOME PART OF THE CONTRACT.

PLEASE SUBMIT THE OFFER AND ACCEPTANCE FORM WITH THE OTHER RETURNABLE DOCUMENTS.



NYAVINI CLINIC: CONSTRUCTION OF SMALL CLINIC

C1.2 - CONTRACT DATA

C 1.2 CONTRACT DATA:		
CONTRACT DATA FOR:		
NYAVINI CLINIC: CONSTRUCTION OF SMALL CLINIC		
Tender no:	ZNB 5549/2023-H	
	The General Conditions of Contract are the clauses contained in the General Conditions of Contract (2010) (Second Edition) published by the South African Institution of Civil Engineering. Copies of these conditions of contract may be obtained through most regional offices of the South African Institution of Civil Engineering, telephone number 011 805 5947 or by visiting their website at www.saice.org.za.	
	CONTRACT SPECIFIC DATA The following contract specific data are applicable to this contract:	
	CONTRACT VARIABLES This schedule contains all variables specific to this document and is divided into pre-tender and post-tender categories. The pre-tender category must be completed in full and included in the tender documents. Both the pre-tender and post-tender categories form part of this agreement . Spaces requiring information must be filled in, shown as 'not applicable' or deleted <u>but not left blank</u> . Where choices are offered, the non-applicable items are to be deleted. Where insufficient space is provided the information should be annexed hereto and cross referenced to the applicable clause of the schedule. Key cross reference clauses are italicised in [] brackets. The Engineer/Principal Agent, in accordance with Clause 1.1.1.16, shall obtain the specific approval from the Employer before executing any of his functions according to the "Conditions under which Consultants are appointed", or in the event where an employee of the Employer represents the Employer, the relevant General Delegations applicable at the time of executing his/her duties as described in Clause 3.1.2.	
PRE-TENDER INFORMATION		
CONTRACTING AND OTHER PARTIES		
[1.1.1.15]	Employer: Head: Department of Health (KZN Department of Health: Province of KwaZulu-Natal) Postal address: Private Bag X 9051 Pietermaritzburg 3200 Tel: 033 - 940 2400 Fax: Not Applicable	
[1.2.1.2]	Physical address: 310 Jabu Ndlovu Street Pietermaritzburg 3200	
Tender no:	ZNB 5549/2023-H	
PART 1: DATA PROVIDED BY THE EMPLOYER		
[1.1.1.13]	Defects Liability Period The defects liability period is: 12 months Defects Liability Period is Applicable for the whole of the Works	
Latent Defect Period		
[5.16.3]	The latent defect period is: 5 years after the Final Approval Certificate	
Documentation required before Commencement of the Works:		
[5.3.1]	The documentation required before commencement with the Works execution are;	
[4.3]	Health and Safety Plan <table border="1" style="width: 100%;"><tr><td>The Contractor shall deliver his Health and Safety Plan of the Works within 14 calendar days after notice from the Employer, prior to the Commencement Date.</td></tr></table>	The Contractor shall deliver his Health and Safety Plan of the Works within 14 calendar days after notice from the Employer, prior to the Commencement Date.
The Contractor shall deliver his Health and Safety Plan of the Works within 14 calendar days after notice from the Employer, prior to the Commencement Date.		
[5.6]	Initial Programme <table border="1" style="width: 100%;"><tr><td>The Contractor shall deliver his programme of work within 10 calendar days after notice from the Employer, prior to the Commencement Date.</td></tr></table>	The Contractor shall deliver his programme of work within 10 calendar days after notice from the Employer, prior to the Commencement Date.
The Contractor shall deliver his programme of work within 10 calendar days after notice from the Employer, prior to the Commencement Date.		
[6.2]	Guarantee <table border="1" style="width: 100%;"><tr><td>The Contractor shall deliver his chosen Guarantee (security) for this Works within 14 calendar days after notice from the Employer, prior to the Commencement Date.</td></tr></table>	The Contractor shall deliver his chosen Guarantee (security) for this Works within 14 calendar days after notice from the Employer, prior to the Commencement Date.
The Contractor shall deliver his chosen Guarantee (security) for this Works within 14 calendar days after notice from the Employer, prior to the Commencement Date.		
[8.6]	Insurance <table border="1" style="width: 100%;"><tr><td>The Contractor shall deliver his insurance for the Works within 14 calendar days after notice from the Employer, prior to the Commencement Date.</td></tr></table>	The Contractor shall deliver his insurance for the Works within 14 calendar days after notice from the Employer, prior to the Commencement Date.
The Contractor shall deliver his insurance for the Works within 14 calendar days after notice from the Employer, prior to the Commencement Date.		
	Cash flow by contractor <table border="1" style="width: 100%;"><tr><td>The Contractor shall deliver his Cash flow for the Works within 14 calendar days after notice from the Employer, prior to the Commencement Date.</td></tr></table>	The Contractor shall deliver his Cash flow for the Works within 14 calendar days after notice from the Employer, prior to the Commencement Date.
The Contractor shall deliver his Cash flow for the Works within 14 calendar days after notice from the Employer, prior to the Commencement Date.		
	Priced Bill of Quantity <table border="1" style="width: 100%;"><tr><td>The Contractor shall deliver his Priced Bill of Quantity within his tender document</td></tr></table>	The Contractor shall deliver his Priced Bill of Quantity within his tender document
The Contractor shall deliver his Priced Bill of Quantity within his tender document		
	Programme <table border="1" style="width: 100%;"><tr><td>The Contractor is required to submit his Programme of Works in terms of Clause 5.6.1 and 5.3.1 and the Principal Agent is required to approve this within 7 days in terms of Clause 5.6.3</td></tr></table>	The Contractor is required to submit his Programme of Works in terms of Clause 5.6.1 and 5.3.1 and the Principal Agent is required to approve this within 7 days in terms of Clause 5.6.3
The Contractor is required to submit his Programme of Works in terms of Clause 5.6.1 and 5.3.1 and the Principal Agent is required to approve this within 7 days in terms of Clause 5.6.3		
	Other requirements <table border="1" style="width: 100%;"><tr><td> </td></tr></table>	
[5.3.2]	The time to submit the documentation required before commencement with Works execution is: <table border="1" style="width: 100%;"><tr><td style="text-align: center;">14</td></tr></table> calendar days	14
14		

	Non-Working days	
[5.8.1]	Non-Working days Special non- working days	Sundays All Nationally Recognized Public Holidays and the year end break
[5.8.1]	First Year end break - commences ends	16-Dec-23 07-Jan-24
	Second Year end break - commences ends	16-Dec-24 05-Jan-25
	Third Year end break - commences ends	N/A N/A
	Fourth Year end break - commences ends	N/A N/A
[3.1.3]	Engineer/Principal Agent to consult with Employer The Engineer shall obtain the specific approval from the Employer before executing any of his functions according to the "Conditions under which Consultants are appointed", or in the event where an employee of the Employer represents the Employer, the relevant General Delegations applicable at the time of executing his/her duties.	
[6.2.1]	Security The time to deliver the deed of guarantee is Prior to site hand over in terms of clause 5.3.1 and 5.3.2.	
[6.2.1]	Please see CONTRACT DATA - below to select Guarantee Option	
	Commencement Date Commencement date means the date of Site Hand over that should not occur prior to the tenderer receiving one fully signed copy of the Offer and Acceptance in terms of the Form of Offer and Acceptance.	
	The Agreement comes into effect on the date when; The tenderer <u>receives one fully completed original copy of this document</u> , including the Schedule of Deviations (if any)	
	The agreement ("this document") consists of; 1. Agreement and Conditions of Contract. 2. Form of Offer and Acceptance. 3. Contract Data. 4. Scope of Works. 5. Site Information. 6. Drawings & documents referred to in the 1 to 4 above. (See Form of Offer and Acceptance)	
[5.3.1]	The contractor shall commence executing the Works within 7 calendar days from the Commencement Date.	
[5.4.1]	Possession of the site will be given within 10 calendar days after the contractor has fulfilled the conditions (4.3, 5.6, 6.2, 8.6) and received the notification from the Employer of Site Hand Over where the contractor will receive one <u>fully signed</u> copy of the Form of Offer and Acceptance from the employer .	
[5.6.1]	The Contractor shall deliver his programme of work within 10 calendar days after notice from the Employer, prior to the Commencement Date.	
	CONTRACT DETAILS	
[1.1.1.33]	Works description: Refer to document C3 – Scope of Work.	
[1.1.1.30]	Site description: Refer to document C4 – Site Information.	
	Specific options that are applicable to a State organ only Where so :	
[6.10.6.2]	1) Interest rate legislation: (a) in respect of interest owed <u>by</u> the employer , the interest rate as determined by the Minister of Justice and Constitutional Development from time to time, in terms of section 1(2) of the Prescribed Rate of Interest Act, 1975 (Act No. 55 of 1975), will apply; and (b) in respect of interest owed <u>to</u> the employer , the interest 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), will apply	
	2) Lateral support insurance to be effected by the contractor:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
	3) Payment will be made for materials and goods	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
	4) Dispute resolution by litigation	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
	5) Extended defects liability period applicable to the following elements:	Electrical, Mechanical and Civil work
[8.6.1.1.2]	The Value of material, supplied by the Employer, and not included in the Contract Price, is:	R0,00
[8.6.1.1.3]	The amount to cover Professional Fees, not included in the Contract Price, for repairing damage and loss to be included in the insurance: 30% of the Contract Price	
[8.6.1.1]	The value of Works Insurance, including SASRIA cover, taken by the contractor on this contract shall be:	Contract sum + 30%
[8.6.1.3]	The limit for indemnity for liable insurance is:	Contract Sum + 30%
	The value of Public Liability Insurance cover, taken by the contractor on this contract shall be:	R10 million
[6.5.1.2.3]	The percentage allowance to cover overhead charges for contractor and subcontractors, is:	33,00%
[1.1.1.14]	Practical Completion Date The Practical Completion date is: A time measured from the Commencement date.	
	For the works as a whole: The whole of the works shall be completed within:	24 Months (which shall be deemed to include all Non – Working Days, Special Non – Working Days and the year-end Builders Annual Industry Holiday Periods).
[5.5.1]	The date for practical completion shall be	To be determined
[5.13.1]	The penalty per calendar day shall be :	0,04% of the Contract Price, rounded to the nearest R10

	<p>For the works in sections:</p> <p>The date for practical completion from the commencement date and the penalty per calendar day:</p>
[5.5.1] [5.13.1]	<p>Portion 1: N/A</p>
[5.5.1] [5.13.1]	<p>Portion 2: N/A</p>
[5.5.1] [5.13.1]	<p>Portion 3: N/A</p>
[5.5.1] [5.13.1]	<p>Portion 4: N/A</p>
[5.5.1] [5.13.1]	<p>Portion 5: N/A</p>
[5.5.1] [5.13.1]	<p>Portion 6: N/A</p>
[1.3.2]	<p>The law applicable to this agreement shall be that of the: Republic of South Africa</p>
[6.10.1.5]	<p>The percentage advance on materials not yet built into the Permanent Works is: <input type="text" value="80,00%"/></p>
[6.10.3]	<p>Percentage retention on amounts due to contractor is: The Percentage retention is nil. The only security required by the Employer will be such as selected by the Contractor on the Form of Offer and Acceptance and Part 2: CONTRACT DATA PROVIDED BY THE CONTRACTOR, point 2 - Documents, of the Contract Data.</p> <p>Maximum retention is: <input type="text" value="0,00%"/> of the Contract Price</p>
[6.8.1]	<p>Notwithstanding anything to the contrary contained in the General conditions of Contract and Preliminaries, this contract could only, when the <u>construction period exceeds 6 months and the contract exceeds R1.000.000.00</u>, be subject to a Contract Price Adjustment Factor.</p>
[6.8.2] [6.8.3]	<p>Clause 6.8.2 the last part of the sentence saying "calculated according to the formula and the conditions set out in the Contract Price Adjustment Schedule." must be replaced by "calculated according to the Contract Price Adjustment Provisions (CPAP) Indices Application Manual for use with P0151 indices (Revised 1 January 2013)" as published by Statistics South Africa. The Contract Price Adjustment Provision (CPAP) will be subject to the most recently released indices by Statistic South Africa. Tenderers are advised that with reference to Clause 3.4.6 of the Contract Price Adjustment Provisions (CPAP) Indices Applications Manual, the Head: Public Works will not accept the submission by Tenderers of lists of additional items."</p>
[6.8.2] [6.8.3]	<p>Where this contract is a Lump Sum contract, the contract will only be subject to Contract Price Adjustment Provisions (CPAP)(Revised 1 January 2013) where the contract period equals or exceeds 6 calendar months. The applicable work group shall be WG 180 for domestic buildings or WG 181 for commercial and industrial buildings only.</p>
[5.14.5]	<p>The following clause must be added to clause 5.14.5:</p> <p>[5.14.5.6] The employers agent shall submit the final account within 3 calendar months to the principal agent.</p>
[10.5] [10.5.3]	<p>The determinations of disputes shall be by ARBITRATION ONLY.</p> <p>The number of Adjudication Board Members to be appointed is: <input type="text" value="One"/></p> <p>Replace the last part of the clause with the following: "...on the application of either party, by the Chairman, or his nominee of the Association of Arbitrators."</p>
[10.9.1]	<p>Where CPAP is applicable, the contract sum will be adjusted in accordance with the Contract Price Adjustment Provisions (CPAP) as set out in the CPAP Indices Application Manual as published by Statistics South Africa, dated 1 January 2013 and any amendments thereto:</p> <ol style="list-style-type: none"> 1) Glass etc, measured in specialist section Metalwork, will be adjusted in terms of the index for that work group unless specifically stated otherwise in the bills of quantities, 2) In case of uninterruptible power supplies, elevators, escalators and hoists, generating sets, motor-alternator sets and intercommunication systems shall be adjusted in accordance with Work Group 170. 3) Further to clause 3.4.6 of the CPAP Indices Application Manual, the listing of additional items for exclusion by Tenderer's, will not be permitted. <p>Alternative Indices: Not Applicable</p> <p>Details of changes made to the General Conditions of Contract for construction works (2010) Second Edition</p>
[1.1]	<p>Clause</p> <p>[1.1.1.5] COMMENCEMENT DATE – means the actual date of Site Hand over that should not occur prior to the Tenderer receiving one fully signed copy of the Offer and Acceptance in terms of the Form of Offer and Acceptance.</p> <p>[5.12.2.2] ABNORMAL CLIMATIC CONDITIONS - means conditions over and above what could reasonably be expected for the specific locality where the Works are being executed and include inter alia excessive rain, heat, cold, wind and any other climatic condition that would not normally be experienced during the season that the Works are executed in that area. The South African Weather Service's (http://www.weathersa.co.za) 10 year average climatic conditions statistics would be what could be reasonably expected for the specific locality where the Works are executed.</p> <p>[6.2.1] CONSTRUCTION GUARANTEE – means an on demand guarantee at call obtained by the contractor from an institution approved by the employer in terms of the employer's construction guarantee form as selected in the Offer and Acceptance Form and the contract data.</p> <p>CONSTRUCTION PERIOD – means the period commencing on the commencement date and ending on the date of due completion date. This period will be deemed to commence on actual site hand over date to the contractor and end on the date of practical completion and shall include all annual industrial holiday periods, Sundays and public holidays.</p> <p>CORRUPT PRACTICE – means the offer, giving, receiving, or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution.</p> <p>FINAL ACCOUNT - The document prepared by the principal agent, which reflects the contract value of the works at final approval or termination.</p> <p>FRAUDULENT PRACTICE – means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of any tenderer and includes collusive practise among tenderers (prior to or after the tender submission) designed to establish tender prices at artificial non-competitive levels and to deprive the tenderer of the benefits of free and open competition.</p>

	<p>INTEREST – the interest rates applicable on this contract, whether specifically indicated in the relevant clauses or not, will be in terms of the legislation of the Republic of South Africa, and in particular:</p> <p>(a) in respect of interest owed by the employer, the interest rate as determined by the Minister of Justice and Constitutional Development from time to time, in terms of section 1(2) of the Prescribed Rate of Interest Act, 1975 (Act No. 55 of 1975), will apply; and</p> <p>(b) in respect of interest owed to the employer, the interest 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), will apply</p>
[1.1.1.16]	<p>ENGINEER/PRINCIPAL AGENT – means the person or entity appointed by the Employer and named in the Contract Data as the Engineer /Principal Agent to act as agent of the Employer. In the event of an Engineer/Principal Agent not being appointed, then all the duties and obligations of an Engineer/Principal Agent as detailed in the Contract shall be fulfilled by a representative of the Employer as named in the Contract Data. (Hereafter referred to as Engineer)</p>
[1.1.1.21]	<p>GENERAL ITEMS - or preliminaries means items stipulated in the Pricing Data relating to general obligations, site services, facilities and/or items that cover elements of the cost of the work which are not considered as proportional to the quantities of the Permanent Works.</p>
[4.4.1]	<p>Add the following to the clause 4.4.1: "<i>The Contract shall only use subcontractors who are duly registered with the CIDB and who has an ACTIVE status at the time of submitting the tender</i>"</p>
[6.2.1]	<p>Refer to Offer and Acceptance form for the various options that the contractor may choose from in providing a form of Guarantee under "GUARATEE OPTIONS".</p>
[6.10.6.2]	<p>Replace "<i>at the prime overdraft rate, as charged by the Contractor's Bank,</i>" with "<i>...at the interest rate as determined by the Minister of Justice and Constitutional Development from time to time, in terms of section 1(2) of the Prescribed Rate of Interest Act, 1975 (Act No. 55 of 1975).</i>" Omit "<i>on all overdue payments from the date on which the same should have been paid...</i>" and replace with "<i>only after 30 calendar days from receiving written notice from the Contractor that the amount is overdue...</i>"</p>
[5.12.3]	<p>SPECIAL CONDITIONS OF CONTRACT Omit clause 5.12.3 and add the following: <i>"5.12.3. If an extension of time is granted, the Contractor shall be paid such additional time-related General Items, including for special non-working days, if applicable as are appropriate regarding to any other compensation which may already have been granted in respect of the circumstances concerned. The reasons for extension of time that would invoke payment of time related General Items are inter alia;</i></p> <p>5.12.3.1 <i>Failure to give possession of the site to the contractor.</i> 5.12.3.2 <i>Making good physical loss and repairing damage to the works where the contractor is not at risk.</i> 5.12.3.3 <i>Contract instructions not occasioned by default by the contractor.</i> 5.12.3.4 <i>Failure to issue construction information timeously or the late issue of a contract instruction following a request from the contractor.</i> 5.12.3.5 <i>Late acceptance by the principal agent of a design undertaken by a selected subcontractor where the contractor's obligations have been met.</i> 5.12.3.6 <i>Suspension or cancellation termination invoked by a nominated or selected n/s subcontractor due to default by the employer or the principal agent.</i> 5.12.3.7 <i>Insolvency of a nominated subcontractor.</i> 5.12.3.8 <i>A direct contractor.</i> 5.12.3.9 <i>Opening up and testing of work and materials and goods where such work is according to in accordance with the contract documents.</i> 5.12.3.10 <i>The execution of additional work for which the quantity included in the bills of quantities is not sufficiently accurate.</i> 5.12.3.11 <i>Late or failure to supply materials and goods for which the employer is responsible.</i> 5.12.3.12 <i>Suspension of the works."</i></p>
[5.14.5.1]	<p>Omit entire clause 5.14.5.1</p>
[5.16.4]	<p>Add the following new clause "5.16.4. Upon the issue of a Final Approval Certificate, unless otherwise provided in the Contract: 5.16.4.1. The performance Guarantee (if any) shall be returned within 14 days to the guarantor in terms of Clause 7."</p>
[6.2.3]	<p>Add to clause 6.2.3 the following "<i>The Contractor shall provide proof of paid-up premium payments to accompany his payment certificate as proof that his performance guarantee has not expired yet. The Contractor will not receive payment without proof of the validity of their performance guarantee.</i></p>
[9.3.2.2]	<p>Omit "<i>without prejudice to the exercise of any lien the Contractor may have acquired over the Employer's property.</i>" Duties and functions of the Engineer requiring the specific approval of the Employer BEFORE execution of any part of these duties are as follows:</p> <p>(a) Determinations of contractors claims for extension of time (revision of the contract completion date). All claims for extension of time shall be submitted by the Engineer, together with the Engineer's recommendations, to the Employer for determination. Omit "Engineer" in clause 42.2 and replace with "Employer".</p> <p>(b) Drawings, instructions or communications of any kind requiring variations of the works and involving EXTRA's shall NOT be given effect by the Contractor UNTIL Official Variation Order submission including the Financial Request for Additional Funds, has been approved and signed by the Head of Department: Health</p> <p>(c) Insurance policies to be approved by the Employer within 21 days of the date of the Commencement of the Works.</p> <p>(d) Any notice of disagreement raised by the Contractor or written Dispute Notice given by the Contractor to the Engineer shall be submitted by the Engineer, together with the Engineer's recommendations, to the Employer for determination.</p> <p>(e) The issue of the certificate of practical completion, certificate of completion and the final approval certificate shall be signed and submitted by the Engineer, to the Employer for final approval and signature. The certificates shall not be considered as officially issued until signed by the Employer.</p>
	<p>MANAGING PROJECT DURATION</p> <p>(a) The Contractor shall co-ordinate his programme with all other contractors whose work may precede or be executed simultaneously to his own. The Contractor will be called upon to plan and control the project using the Project Evaluation and Review Technique (PERT) or other approved Critical Path Method (CPM) network analysis of his events and activities and those of the sub-contractors in his employ and must co-ordinate his planning with any other contractor employed on the project. A fortnightly project control report will be expected from the Contractor in writing, evaluating any gains or delays against the critical path and he should allow for all costs involved in planning reviewing and updating the programme to the satisfaction of the Principal Agent against this item,</p> <p>(b) Activity-and total float shall belong to the Employer.</p> <p>(c) The Contractor shall deliver his programme of work within 10 calendar days after notice from the Employer, prior to the Commencement Date. It is a condition of this contract that, the contractor submit to the Engineer/principal agent a detailed CPM Programme which shall be to the approval of the Engineer/principal agent. In this regard tenderers are advised to consult with the Engineer/Principal Agent as to the format and requirements of the programme as no claim whatsoever will entertained should the programme fail to meet the requirements of the Engineer/Principal Agent. Failure to submit the programme within the stipulated time may result in the contractor being held in breach of contract.</p> <p>The approved programme will form the basis of time management of the project and extension of time will not be guaranteed unless the Contractor has strictly complied with this provision. The programme shall make allowance for inclement weather at 3 workings days per month.</p>

INCLEMENT WEATHER AND CLAIMS FOR DELAYS IN PERFORMANCE

- (a) The Contract Sum includes a monthly allowance of 3 working days inclement weather during which rainfall exceeds 10mm per day for months as indicated in the Scope of Works. These days shall be reflected on the critical path of the Contractor's programme as specified in MANAGING PROJECT DURATION above.
- (b) Claims for delays in performance due to inclement weather shall be calculated separately for each calendar month and for the project as a whole. Delays or gains to the critical path shall be reflected in all revisions of the programme. An extension of time will only be granted where the following conditions are met:
- (i) The criteria to be used for WORK stoppages shall be for safety hazards or poor quality of work.
 - (ii) The Employer's site representative or the Employer's Principal Agent, if the site representative is not available shall be notified when the Contractor stops the work and intends to claim performance delays. The Employer representative shall inspect the situation together with the Contractor and give an immediate decision.
 1. The stoppage claimed must cause a delay in the Completion Date of work. If the critical activities can proceed and a non-critical activity is delayed due to inclement weather no claims for delay shall be granted.
 2. No claims for stoppages less than 2(two) hours per day shall be considered.
 3. Claims granted for more than 2 (two) hours, but less than 10 (ten) hour (lunch included) day, shall be added together and expressed as full days.
 4. All claims shall be submitted in writing to the Principal Agent within one working day of the actual stoppage.
 5. The total delay in performance granted to the Contractor expressed in days shall be added to the contractual Completion Date of each section of the Works. The contractual penalty clause shall only come into effect after this newly arrived date.
 6. Total delays (in hours) will be rounded up or down to the nearest integer for the calculation of Working Days. The total hours (including lunch) per Working Day shall be 10 unless otherwise indicated on the Contractor's programme.
 7. Where the programmed delays for inclement weather exceed the actual delays incurred the Completion Date(s) will not be adjusted.

8. Where the project includes builder's holidays the programmed durations for inclement weather shall be adjusted pro-rate to the actual Working Days,

9. The total of all monthly delays due to inclement weather shall be calculated in accordance with the example given below:

Description	Months					Total
	Sept	Oct	Nov	Dec	Jan	
	Hours	Hours	Hours	Hours	Hours	Hours
Programmed Rain days	0	30	30	15	15	90
Actual Rain days	16	22	35	15	18	106
Difference	-16	8	-5	0	-3	-16
Estimated Extension of time - in working days						2

8 hrs/day*

See point 5.2 in the Scope of Works for the specific days the tenderer must allow for in this contract.

Tender no:	ZNB 5549/2023-H	Part 2: CONTRACT DATA PROVIDED BY THE CONTRACTOR:				
POST-TENDER INFORMATION						
Note: All information for this section requires consultation with the Contractor . The Engineer/Principal Agent shall not pre-select any of the alternatives available to the Contractor .						
1 CONTRACT DETAILS						
[1.1.1.9]	Contractor Name:					
[1.2.1.2]	Postal address:					
					
					
	Tel no	Fax no				
	Tax / VAT Registration No:	e-mail				
	Physical address:					
					
					
[1.1.1.10]	The accepted contract price inclusive of tax is R :					
	[Amount in words]					
					
	Payment Of Preliminaries (Clause 6.7, 6.8, 6.10 and 6.11)					
	The preliminaries amounts shall be paid in terms of:	<table border="1"> <tr> <td>*Alternative A</td> <td>Yes</td> </tr> <tr> <td>** Alternative B</td> <td>N/A</td> </tr> </table>	*Alternative A	Yes	** Alternative B	N/A
*Alternative A	Yes					
** Alternative B	N/A					
	<p>* Assessed by the Engineer/Principal Agent as an amount prorated to the value of the Work duly executed in the same ratio as the Preliminaries bears to the Contract Price excluding VAT, Preliminary amount, Contingencies and any CPAP.</p> <p>** Calculated from the priced Bill of Quantity/Lump Sum document. The Contractor and the Engineer/Principal Agent shall agree on a division of the priced Preliminaries items into: initial establishment charge, monthly charge and final disestablishment charge.</p> <p>If the Contractor and the Engineer/Principal Agent can not agree, within 10 Working Days from the Commencement Date, on such a division then the Engineer/Principal Agent shall make a division of the Preliminaries to be incorporated in the valuations for each monthly payment certificate as follows;</p> <p>10% of the General Items/Preliminaries amount shall not be varied</p> <p>15% of the General Items/Preliminaries shall only be varied in proportion of the Contract Price to the Contract Sum</p> <p>75% of the General Items/Preliminaries shall be varied in proportion to the revised Construction Period compared with the initial Construction Period.</p>					
	Adjustment of Preliminaries (Clause 6.7, 6.8, 6.10 and 6.11)					
Alternative A	<p>For the adjustment of Preliminaries both the Contract Sum and the Contract Value (including tax) shall exclude the amount of Preliminaries, all Contingency Sum(s) and any provision for Cost Price Adjustment Provisions:-</p> <p>- An amount which shall not be varied.</p> <p>- An amount varied in proportion to the contract value as compared to the Contract Sum.</p> <p>- An amount varied in proportion to the Construction Period as compared to the initial Construction Period (excluding revisions to the Construction Period to which the Contractor is not entitled) to adjustment of the Contract Value in terms of the agreement.</p> <p>The Contractor shall provide a breakdown of charges (including tax) within 15 working days of the date of acceptance of tender and, where applicable, an apportionment of Preliminaries per section</p> <p>If the Contractor and the Principal Agent cannot agree, within ten (10) Working Days from the Commencement Date, on such a division then the Principal Agent shall make a division of the Preliminaries to be incorporated in the valuations for each monthly payment certificate as follows;</p> <p>0% of the amount shall not be varied</p> <p>10% of the amount shall not be varied</p> <p>15% varied in proportion of the Contract Value to the Contract Sum</p> <p>75% varied in proportion to the revised Construction period compared with the initial Construction Period</p> <p>Sectional Completion : Subdivision of Preliminaries Costs</p> <p>For the adjustment of preliminaries for sections of the work the value of fixed, value, and time related amounts of the preliminaries for each section is required. The contractor is to provide such information within fifteen (15) working days of taking possession of the site, failing which the categorised preliminaries amounts shall be prorated to the value of each section.</p> <p>The above shall apply equally for projects where sectional completion was not contemplated at tender stage but subsequently occurred on an adhoc basis during construction of the works as agreed between the client and the employer. The original priced categorised amounts for fixed, value, and time related amounts shall be prorated to the value of each section.</p> <p>When an extension of time has been granted in terms of the GCC and the preliminaries require to be adjusted accordingly, the pertinent sectional (subdivided) categorised preliminaries amounts shall be utilised, where applicable and not the overall preliminary amounts.</p> <p>Where sectional completion is required in terms of the agreement, the Contractor shall provide the Principal Agent with the division of the above categorized amounts into sections, Should the Contractor fail to provide such information within the period stipulated the categorized amounts shall be prorated to the value of each section,</p> <p style="text-align: right;"><input type="checkbox"/> YES yes / no</p> <p>or</p>					
Alternative B	<p>The Contractor shall within 15 working days of the date of possession of the site provide the Principal Agent with a detailed breakdown of Preliminaries amounts for the works as a whole, or per section where applicable, including administrative and supervisory staff charges and for the use of construction equipment in terms of the programme.</p> <p style="text-align: right;"><input type="checkbox"/> NO yes / no</p>					
	The contractor is informed that only option 'A' shall apply					

Waiver of the Contractors lien or right of continuing possession is required.

YES

GUARANTEE OPTIONS

The Tenderer agrees to provide a bank or insurance guarantee in accordance with clause 6.2.3 of the Conditions of the GCC2010 Contract within the period stated in the Contract Data. This guarantee shall be for a sum equal to an amount stated in the Contract Data.

Guarantees submitted must be issued by either an insurance company duly registered in terms of the Insurance Act (Long Term Insurance Act No 52 of 1998 or Short Term Insurance Act No 53 of 1998) or by a bank duly registered in terms of the Banks Act No 94 of 1990, on the pro-forma referred to above. No alterations or amendments of the wording of the pro-forma will be accepted.

(a) the tenderer accepts that in respect of contracts up to R1 million, a payment reduction of 5% of the contact value will be applicable and will be reduced by the Employer in terms of the applicable conditions of contract.

(b) in respect of contracts above R1 million, the Tenderer offers to provide security as indicated below: select one option

(i) payment reduction of 10% of the value certified in the payment certificate (excluding VAT)

(ii) bank or insurance Performance Guarantee of 10 % of the Contract Price

(iii) bank or insurance guarantee of 5% of the Contract Price and a payment reduction of 5% of the value certified in the payment certificate (excluding VAT)

(iv) cash deposit of 5% of the Contract Price and a payment reduction of 5% of the value certified in the payment certificate (excluding VAT)

NOTE: Where the Tenderer has not selected one of the guarantee options above, the default option will be as if the Tenderer has selected a security of a bank or insurance guarantee of 5% of the value of the Works and a payment reduction of 5% of the value certified in the payment certificate excluding value added tax. - See GCC2010 clause 6.2.2 as amended in Contract Data.

3 SIGNATURES OF THE CONTRACTING PARTIES

Thus done and signed at.....onof.....20....

Name of signatory _____ for and behalf of the **Employer** who by signature hereof warrants

Capacity of signatory _____ as Witness.

Thus done and signed at.....onof.....20....

Name of signatory _____ for and behalf of the **Contractor** who by signature hereof warrants

Capacity of signatory _____ as Witness.



NYAVINI CLINIC: CONSTRUCTION OF SMALL CLINIC

C1.3 - FORM OF GUARANTEE

**C1.3 PERFORMANCE GUARANTEE -
GCC FOR CONSTRUCTION WORKS (2nd Edition - 2010)**

Head: Department of Health
KZN Department of Health:
Private Bag X 9051
Pietermaritzburg
3200

Sir,

ON DEMAND PERFORMANCE GUARANTEE

Tender Number ZNB 5549/2023-H	Project Code TBA
--------------------------------------	-------------------------

For use with the General Conditions of Contract for Construction Works, Second Edition, 2010.

GUARANTOR DETAILS AND DEFINITIONS

"Guarantor" means: _____

Physical Address: _____

"Employer" means: The Provincial Administration of KwaZulu-Natal in its Department of Health

"Contractor" means: _____

"Engineer" means: _____

"Works" means: **NYAVINI CLINIC: CONSTRUCTION OF SMALL CLINIC**

"Site" means: _____

"Contract" means: The Agreement made in terms of the Form of Offer and Acceptance and such amendments or additions to the Contract as may be agreed in writing between the parties.

"Contract Sum" means: The accepted amount inclusive of tax of: _____

Amount in Words:

"Guaranteed Sum" means: The maximum aggregate amount of: 10%
Of Contract Sum

Amount in Words: _____

"Expiry Date" means: _____

CONTRACT DETAILS

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

PERFORMANCE GUARANTEE

- 1 The Guarantor's liability shall be limited to the amount of the Guaranteed Sum.
- 2 The Guarantor's period of liability shall be from and including the date of issue of this Performance Guarantee and up to and including the Expiry Date or the date of issue by the Engineer of the Certificate of Completion of the Works or the date of payment in full of the Guaranteed Sum, whichever occurs first. The Engineer and/or the Employer shall advise the Guarantor in writing of the date on which the Certificate of Completion of the Works has been issued.
- 3 The Guarantor hereby acknowledges that:
 - 3,1 any reference in this Performance Guarantee to the Contract is made for the purpose of convenience and shall not be construed as any intention whatsoever to create an accessory obligation or any intention whatsoever to create a suretyship;
 - 3,2 its obligation under the Performance Guarantee is restricted to the payment of money.
- 4 Subject to the Guarantor's maximum liability referred to in 1, the Guarantor hereby undertakes to pay the Employer the sum certified upon receipt of the documents identified in 4.1 to 4.3:
 - 4,1 A copy of a first written demand issued by the Employer to the Contractor stating that payment of a sum certified by the Engineer in an Interim or Final Payment Certificate has not been made in terms of the Contract and failing such payment within seven (7) calendar days, the Employer intends to call upon the Guarantor to make payment in terms of 4.2;
 - 4,2 A first written demand issued by the Employer to the Guarantor at the Guarantor's physical address with a copy to the Contractor stating that a period of seven (7) days has elapsed since the first written demand in terms of 4.1 and the sum certified has still not been paid;
 - 4,3 A copy of the aforesaid payment certificate which entitles the Employer to receive payment in terms of the Contract of the sum Certified in 4.
- 5 Subject to the Guarantor's maximum liability referred to in 1, the Guarantor undertakes to pay to the Employer the Guaranteed Sum or the full outstanding balance upon receipt of a first written demand from the employer to the Guarantor at the Guarantor's physical address calling up this Performance Guarantee, such demand stating that:
 - 5,1 the Contract has been terminated due to the Contractor's default and that this Performance Guarantee is called up in terms of 5; or
 - 5,2 a provisional or final sequestration or liquidation court order has been granted against the Contractor and that the Performance Guarantee is called up in terms of 5; and
 - 5,3 the aforesaid written demand is accompanied by a copy of the notice of termination and/or the provisional/final sequestration and/or the provisional liquidation court order.
- 6 It is recorded that the aggregate amount of payments required to be made by the Guarantor in terms of 4 and 5 shall not exceed the Guarantor's maximum liability in terms of 1.
- 7 Where the Guarantor has made payments in terms of 5, the Employer shall upon the date of issue of the Final Payment Certificate submit an expense account to the Guarantor showing how all monies received in terms of this Payment Guarantee have been expended and shall refund to the Guarantor any resulting surplus. All monies refunded to the Guarantor in terms of this Performance Guarantee shall bear interest at the prime overdraft rate of the Employer's bank compounded monthly and calculated from the date payment was made by the Guarantor to the Employer until the date of refund.
- 8 Payment by the Guarantor in terms of 4 or 5 shall be made with seven (7) calendar days upon receipt of the first written demand to the Guarantor.
- 9 Payment by the Guarantor in terms of 5 will only be made against the return of the original Performance Guarantee by the Employer.

- 10 The Employer shall have the absolute right to arrange his affairs with the Contractor in any manner which the Employer may deem fit and the Guarantor shall not have the right to claim his release from this Performance Guarantee on account of any conduct alleged to be prejudicial to the Guarantor.
- 11 The Guarantor chooses the physical address as stated above for the service of all notices for all purposes in connection herewith.
- 12 This Performance Guarantee is neither negotiable nor transferable and shall expire in terms of 2, where after no claims will be considered by the Guarantor. The original of this Guarantee shall be returned to the Guarantor after it has expired.
- 13 This Performance Guarantee, with the required demand notices in terms of 4 or 5, shall be regarded as a liquid document for the purposes of obtaining a court order.
- 14 Where this Performance Guarantee is issued in the Republic of South Africa the Guarantor hereby consents in terms of Section 45 of the Magistrate's Court Act No 32 of 1944, as amended, to this jurisdiction of the Magistrate's Court of any district having jurisdiction in terms of Section 28 of the said Act, notwithstanding that the amount of the claim may exceed the jurisdiction of the Magistrate's Court.

Signed at _____

Date _____

Guarantor's signatory (1) _____

Capacity _____

Guarantor's signatory (2) _____

Capacity _____

Witness signatory (1) _____

Witness signatory (2) _____



KWAZULU-NATAL PROVINCE

HEALTH
REPUBLIC OF SOUTH AFRICA

NYAVINI CLINIC: CONSTRUCTION OF SMALL CLINIC

PART C2 - PRICING DATA

C2.1 PRICING INSTRUCTIONS GCC FOR CONSTRUCTION WORKS (Second Edition 2010)			
Project title:	NYAVINI CLINIC: CONSTRUCTION OF SMALL CLINIC		
Tender no:	ZNB 5549/2023-H	Project Code:	TBA

C2.1 Pricing Instructions

	<p>Where any item is not relevant to this specific contract, such item is marked N/A (signifying "not applicable")</p> <p>The adjustment of the preliminaries each item priced is to be allocated to one or more of the three categories by insertion of "F", "V", "T" as the case may be against the price in the "rate" column immediately preceding the "amount" column, where "F" denotes a fixed amount (amount not varied), "V" denotes an amount variable in proportion to value and "T" denotes an amount variable in proportion to time.</p> <p>MASSES AND MEASURING UNITS</p> <p>These shall be in accordance with the Measuring Units and National Measuring Standards Act No. 76 of 1973 and amendments thereto.</p> <p>The pages of each of these documents are numbered consecutively and before the Tenderer submits his tender he should check the number of pages, and if any are found missing or duplicated, or the figures or writing indistinct, or the documents contain any obvious error, he should apply to the Head : Health AT ONCE and have same rectified as no liability whatsoever will be admitted by the Administration in respect of errors in Tender due to the foregoing.</p>
2	<p>PRICES FOR VARIATIONS</p> <p>Where prices or quotations for variations are submitted by the Contractor during the currency of the Contract, it is to be clearly understood that these are for the purpose of consideration by the Head : Health and that there is no assumption of acceptance. The Contractor will be notified of acceptance of prices or quotations either by insertion of the amount on the variation order or by written intimation.</p>
3	<p>The scale to which the Drawings are made is only to be made use of when no figured dimensions are given either on the Drawings or in the tender documents and the figured dimensions are always to be followed though they may not coincide with the scale of the Drawings, but dimensions where possible are to be taken from the buildings.</p>
4	<p>PROVISIONAL ITEMS</p> <p>All items described as "Provisional" shall be used as directed by the Employer and measured and valued or paid for.</p> <p>No work for which "Provisional" items are allowed shall be commenced without written instructions from the Head : Health.</p>

5	<p>TIMELY ORDERING OF MATERIALS</p> <p>The Contractor is warned to place all orders for materials or special articles as early as possible, as he will be held solely responsible for any delay in the delivery of such goods.</p> <p>Nevertheless this tender is conditional upon no liability being attached to the Contractor if delivery of materials is rendered impossible by reason of any act of the Government.</p>
6	<p>ELECTRICAL LIGHTING, POWER AND WATER</p> <p>The Contractor shall provide any artificial lighting which may be necessary or required for the proper execution of the works, and provide electric power and water required by all Sub-Contractors, Nominated Sub-Contractors and Sub-Contractors appointed directly by the Employer.</p> <p>The Contractor shall give all notices and pay all fees in connection with temporary electrical and water connections and shall connect temporary Electrical and Water meters for and pay for all current and water consumed.</p> <p>Tenderers are advised that the permanent light fittings and water points of any kind installed in the Works are not to be used to provide temporary lighting and supplement water requirements for construction purposes.</p>
7	<p>IMPORT PERMITS, DUTIES AND SURCHARGES.</p> <p>All tenders by means of which imported products are being called for, must use the rate of exchange 14 days prior to the closing date indicated in the tender documents. If this day falls on a weekend or public holiday, the next working day must be used.</p> <p>Furthermore, Tenderers must submit documentary proof (in the form of a certified copy) from their bank or legally recognised financial institution, clearly indicating what the rate of exchange was 14 days prior to the closing date, as mentioned above.</p> <p>Together with this, the Tenderer must confirm that the tender price relating to an imported product, was based on the rate of exchange 14 days prior to the closing date as mentioned above.</p>
8	<p>STANDARD SYSTEM OF MEASUREMENT WHERE BILLS OF QUANTITIES FORM PART OF THE TENDER DOCUMENTS</p> <p>The work executed under this Contract has been measured in accordance with the;</p> <p style="text-align: center;">Standard System of Measuring Builders Work (7th Edition)</p> <p>including all amendments unless descriptions of items indicate a deviation and it shall be understood that the system of measurement which is herein adopted is the only system of measurement which will be recognised in connection with this contract. Any contradictions to this system of measurement contained in the "Model Preambles for Trades 2008" shall be disregarded (unless same have been accommodated in the system of measurement) but applicable rates shall be included for all requirements stated and not measured separately in compliance with this system.</p>
9	<p>PRICING OF ROCK EXCAVATIONS</p> <p>It is a condition of this tender that should the tenderer elect to price the Rock Excavation included in this tender, the rates must be market related and should be identically priced for the same classification of excavations and not vary for similar billed items in the different sections.</p>

10	<p>REGISTRATION ON THE CENTRAL SUPPLIERS DATABASE</p> <ol style="list-style-type: none"> In terms of the Public Finance Management Act (PFMA), 1999 (Act No 1 of 1999) Section 38 (1) (a) (iii) and 51 (1) (iii) and Section 76 (4) of PFMA National Treasury developed a single platform, The Central Supplier Database (CSD) for the registration of prospective suppliers including the verification functionality of key supplier information. Prospective suppliers will be able to self - register on the CSD website: www.csd.gov.za Once the supplier information has been verified with external data sources by National Treasury a unique supplier number and security code will be allocated and communicated to the supplier. Suppliers will be required to keep their data updated regularly and should confirm at least once a year that their data is still current and updated. Suppliers can provide their CSD supplier number and unique security code to organs of state to view their verified CSD information. Tenderers are required to fill in clearly, legibly, in bold print and black ink their CSD supplier number in the space hereunder: <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Name of Supplier</td> <td style="width: 50%;"></td> </tr> <tr> <td>Central Supplier Database (CSD) Supplier Number:</td> <td></td> </tr> </table>	Name of Supplier		Central Supplier Database (CSD) Supplier Number:	
Name of Supplier					
Central Supplier Database (CSD) Supplier Number:					
12	<p>TAX CLEARANCE REQUIREMENTS</p> <p>It is a condition of tender that the taxes of the successful tenderer must be in order, or that satisfactory arrangements have been made with South African Revenue Service (SARS) to meet the Tenderder's tax obligations. It is a condition of this Offer of Commission that your practice remains in good standing with SARS (South African Revenue Services) in terms of its tax clearance, during the project, which is required to process your payment certificates.</p> <ol style="list-style-type: none"> In order to meet this requirement tenderers are required to apply via e-filing at any SARS branch office nationally. The Tax Compliance Status (TCS) requirements are also applicable to foreign Tenderders / individuals who wish to submit Tenders. SARS will then furnish the Tenderder with a Tax Compliance Status (TCS) PIN that will be valid for a period of 1 (one) year from the date of approval. In tenders where Consortia / Joint Ventures / Sub-contractors are involved, each party must submit a separate Tax Compliance Status (TCS) PIN. Application for Tax Compliance Status (TCS) PIN can be done via e-filing at any SARS branch office nationally or on the website www.sars.gov.za. Tax Clearance Certificates may be printed via eFiling. In order to use this provision, taxpayers will need to register with SARS as eFilers through the website www.sars.gov.za. Tax Clearance Certificates may be printed via eFiling. In order to use this provision, taxpayers will need to register with SARS as eFilers through the website www.sars.gov.za. <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Security PIN Number</td> <td style="width: 50%;"></td> </tr> <tr> <td>Company / Entity Tax Reference Number</td> <td></td> </tr> </table>	Security PIN Number		Company / Entity Tax Reference Number	
Security PIN Number					
Company / Entity Tax Reference Number					
13	<p>BILLS OF QUANTITIES/LUMP SUM DOCUMENT</p> <p>The Bills of Quantities document forms part of and must be read and priced in conjunction with all the other documents forming part of the contract documents, the Standard Conditions of Tender, Conditions of Contract, Standard Preambles to all Trades, Specifications, Drawings and all other relevant documentation.</p>				
14	<p>VALUE ADDED TAX</p> <p>The tender price must include for 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.</p>				



NYAVINI CLINIC: CONSTRUCTION OF SMALL CLINIC

C2.2 - Preliminaries for GCC for Construction works - 2nd Edition 2010

NYAVINI CLINIC: CONSTRUCTION OF SMALL CLINIC					
BILL NO. 1					
C2 .2 PRELIMINARY AND GENERAL					
	NOTES	UNIT	QUANTITY	RATE	AMOUNT
	<p>i) The agreement is to be the General Conditions of Contract for Works of Civil Engineering Construction (2010) (Second Edition) , published by the S. A. Institution Of Civil Engineering.</p> <p>ii) The Preliminaries are to be the Construction and management requirements for works contracts - Part 1: General engineering and construction works (SANS 1921-1: 2004 Edition 1) prepared by Standards South Africa and shall be deemed to be incorporated herein.</p> <p>iii) Tenderers are referred to the abovementioned documents for the full intent and meaning of each clause thereof (hereinafter referred to by heading and clause number only) for which such allowance must be made as may be considered necessary.</p> <p>iv) Where standard clauses or alternatives are not entirely applicable to this contract such modifications, corrections or supplements as will apply are given under each relevant clause heading.</p> <p>v) Where any item is not relevant to this specific contract such item is marked N/A (signifying "not applicable").</p> <p>vi) Adjustment of the preliminaries: each item priced, is to be allocated to one or more of the three categories, where "F" denotes a fixed amount (amount not to be varied), "V" denotes an amount variable in proportion to value and "T" denotes an amount in proportion to time.</p> <p>vii) Time (T) related Preliminaries will only be adjusted for omissions or additions, issued by the Employer, or delays caused by the Employer, for which variation and extension of time has been granted. See Contract Data .</p> <p>SECTION A: GENERAL CONDITIONS OF CONTRACT</p> <p>A1 General (clause 1) F:..... V:..... T:.....</p> <p>A2 Basis of Contract (clause 2) F:..... V:..... T:.....</p> <p>A3 Engineer (clause 3) F:..... V:..... T:.....</p> <p>A4 Contractor's General Obligation (clause 4) F:..... V:..... T:.....</p> <p>A5 Time and Related Matters (clause 5) - As referred to in the Contract Data under Special Condition of Contract. F:..... V:..... T:.....</p>				
	Carried forward to collection			R	

		UNIT	QUANTITY	RATE	AMOUNT
A6	Payment and Related Matters (clause 6) F:..... V:..... T:.....	Item			
A7	Quality and Related Matters (clause 7) F:..... V:..... T:.....	Item			
A8	Risk and Related Matters (clause 8) F:..... V:..... T:.....	Item			
A9	Termination of Contract (clause 9) F:..... V:..... T:.....	Item			
A10	Claims and Disputes (clause 10) F:..... V:..... T:.....	Item			
<p>SECTION B: SANS 1921-1:2004 (Edition 1): CONSTRUCTION AND MANAGEMENT REQUIREMENTS FOR WORKS CONTRACTS: PART 1</p> <p>Refer to the SCOPE OF WORK for detail requirements:</p>					
B1	Scope F:..... V:..... T:.....	Item			
B2	Normative references F:..... V:..... T:.....	Item			
B3	Definitions F:..... V:..... T:.....	Item			
B4	Requirements for construction and management F:..... V:..... T:.....	Item			
B4.1	General F:..... V:..... T:.....	Item			
B4.2	Responsibilities for design and construction F:..... V:..... T:.....	Item			
B4.3	Planning, programme and method statements F:..... V:..... T:.....	Item			
Carried forward to collection				R	

		UNIT	QUANTITY	RATE	AMOUNT
B4.4	Quality assurance F:..... V:..... T:.....	Item			
B4.5	Setting out F:..... V:..... T:.....	Item			
B4.6	Management and disposal of water F:..... V:..... T:.....	Item			
B4.7	Blasting F:..... V:..... T:.....	Item			
B4.8	Works adjacent to services and structures F:..... V:..... T:.....	Item			
B4.9	Management of the Works and site F:..... V:..... T:.....	Item			
B4.10	Earthworks F:..... V:..... T:.....	Item			
B4.11	Testing F:..... V:..... T:.....	Item			
B4.12	Materials, samples and fabrication drawings F:..... V:..... T:.....	Item			
B4.13	Equipment F:..... V:..... T:.....	Item			
B4.14	Site establishment F:..... V:..... T:.....	Item			
B4.15	Survey control F:..... V:..... T:.....	Item			
B4.16	Temporary works F:..... V:..... T:.....	Item			
Carried forward to collection				R	

		UNIT	QUANTITY	RATE	AMOUNT
B4.17	Existing services F:..... V:..... T:.....	Item			
B4.18	Health and safety F:..... V:..... T:.....	Item			
B4.19	Environmental requirements F:..... V:..... T:.....	Item			
B4.20	Alterations, additions, extensions and modifications to existing works F:..... V:..... T:.....	Item			
B4.21	Inspection of adjoining structures, services, buildings and property F:..... V:..... T:.....	Item			
B4.22	Attendance on nominated and selected subcontractors F:..... V:..... T:.....	Item			
SECTION C: SCOPE OF WORK in accordance with SANS 10403 <i>(The reference to Clauses refer to Table B.1 of SANS 1921-1:2004)</i>					
C1	Certification by recognised bodies - CLAUSE 4.4 F:..... V:..... T:.....	Item			
C2	Agrément certificates - CLAUSE 4.5 F:..... V:..... T:.....	N/A			
C3	Other services and facilities - CLAUSE 4.8 F:..... V:..... T:.....	Item			
C4	Recording of weather - CLAUSE 5.2 F:..... V:..... T:.....	Item			
C5	Management meetings - CLAUSE 5.3 F:..... V:..... T:.....	Item			
C6	Daily records CLAUSE 5.6 F:..... V:..... T:.....	Item			
C7	Bond and guarantees - CLAUSE 5.7 F:..... V:..... T:.....	Item			
Carried forward to collection				R	

		UNIT	QUANTITY	RATE	AMOUNT
C8	Permits - CLAUSE 5.9 F:..... V:..... T:.....	Item			
C9	Proof of compliance with the law - CLAUSE 5.10 F:..... V:..... T:.....	Item			
SECTION D: SPECIFICATION DATA ASSOCIATED WITH SANS 1921-1:2004 (Table A.1)					
D1	Requirements for drawings, information and calculations for which the contractor is responsible CLAUSE 4.1.7 F:..... V:..... T:.....	Item			
D2	The responsibility strategy assigned to the contractor for the works CLAUSE 4.2.1 F:..... V:..... T:.....	Item			
D3	The planning, programme and method statements - CLAUSE 4.3 F:..... V:..... T:.....	Item			
D4	Samples of materials, workmanship and finishes - CLAUSE 4.12.1 F:..... V:..... T:.....	Item			
D5	Fabrication drawings that the contractor is to provide and deliver to the employer - CLAUSE 4.12.2 F:..... V:..... T:.....	Item			
D6	Office for the foreman CLAUSE 4.14.3 F:..... V:..... T:.....	Item			
D7	Telephone - CLAUSE 4.14.3 F:..... V:..... T:.....	Item			
D8	Office for inspector of works - CLAUSE 4.14.3 F:..... V:..... T:.....	Item			
D9	Telephone in office for inspector of works - CLAUSE 4.14.3 F:..... V:..... T:.....	Item			
D10	Sheds - CLAUSE 4.14.3 F:..... V:..... T:.....	Item			
Carried forward to collection				R	

		UNIT	QUANTITY	RATE	AMOUNT
D11	Provision and erection of signboards - CLAUSE 4.14.6 F:..... V:..... T:.....	Item			
D12	Termination, diversion or maintenance of existing services - CLAUSE 4.17.1 F:..... V:..... T:.....	Item			
D13	Services which are known to exist - CLAUSE 4.17.3 F:..... V:..... T:.....	Item			
D14	Detection apparatus - CLAUSE 4.17.4 F:..... V:..... T:.....	Item			
D15	Additional health and safety requirements - CLAUSE 4.18 F:..... V:..... T:.....	Item			
SECTION E: SPECIFIC PRELIMINARIES					
<u>Section E contains Specific Preliminary items which apply to this contract except where "N/A" (Not Applicable) appears against the item.</u>					
E1	PROPRIETARY BRANDED PRODUCTS The contractor shall take delivery of, handle, store, use apply and/or fix all proprietary branded products in strict accordance with the manufacturers' instruction after consultation with the manufacturer's authorised representative. F:..... V:..... T:.....	Item			
E2	OVERTIME Should overtime be required to be worked for any reason whatsoever, the costs of such overtime are to be borne by the Contractor unless the Engineer/Principal Agent has specifically authorised in writing, prior to the execution thereof, that costs for such overtime are to be borne by the Employer. F:..... V:..... T:.....	Item			
E3	AS BUILT DRAWINGS The position of construction breaks and the extent of individual concrete pours are to be recorded by the Contractor on the Structural Engineer's drawings and are to be submitted to the Engineer/Principal Agent and the Structural Engineer for their records. F:..... V:..... T:.....	Item			
Carried forward to collection				R	

SECTION E: SPECIFIC PRELIMINARIES		UNIT	QUANTITY	RATE	AMOUNT
E4	<p>SITE INSTRUCTIONS</p> <p>Site Instructions issued on site are to be recorded in triplicate in a Site Instruction book which is to be maintained on site by the Contractor.</p> <p>F:..... V:..... T:.....</p>	Item			
E5	<p>LABOUR RECORD</p> <p>At the end of each week the Contractor shall provide the Engineer/Principal Agent with a written record, in schedule form, reflecting the number and description of tradesmen and labourers employed by him and all sub-contractors on the works each day.</p> <p>F:..... V:..... T:.....</p> <p><i>Note: In the event that the contractor fails to satisfy the requirements of this specification, the Employer (Head: Health) may apply any of the sanctions provided in the contract. Sanctions may include the application of a financial penalty of 0.04% of the Contract Sum per calendar day of which the required report has not been submitted.</i></p>	Item			
E6	<p>PLANT RECORD</p> <p>At the end of each week the Contractor shall provide the Engineer/Principal Agent with a written record, in schedule form, reflecting the number, type and capacity of all plant, excluding hand tools, currently used on the works.</p> <p>F:..... V:..... T:.....</p>	Item			
E7	<p>NON CESSION OF MONIES</p> <p>The Contractor shall not cede nor assign his rights or claims to any monies due or to become due under this contract.</p> <p>F:..... V:..... T:.....</p>	Item			
E8	<p>SECTIONAL COMPLETION - NOT APPLICABLE</p> <p>When it is required that the contract be executed in sections or portions, the tenderer shall allow for all costs in this regard as no claim for additional costs will be entertained.</p> <p>F:..... V:..... T:.....</p>	Item			
E9	<p>LOCAL LABOUR</p> <p>It is a general requirement of this contract that persons normally resident in the locality of the works (Local Labour) be given preference for employment on the contract. Provided, however, that should adequate and appropriate Labour not be available within the locality, others may be employed subject to satisfactory proof being provided that every reasonable endeavour has been made to employ Local Labour. The Contractor shall identify the local community leaders with the purpose of negotiating with them regarding the utilization of Local Labour in the construction process. In this regard, the Contractor shall furthermore give preference, wherever possible to the employment of single heads of households, women and youth. The Contractor shall, in general, maximize the involvement of the local community.</p> <p>F:..... V:..... T:.....</p>	Item			
Carried forward to collection				R	

		UNIT	QUANTITY	RATE	AMOUNT
E10	<p>IMPORT PERMITS AND DUTIES</p> <p>The responsibility for obtaining the necessary import permits shall rest with the successful Tenderer. No foreign exchange will be arranged or provided by the Administration.</p> <p>Tenderers are to allow in their tenders and pay the ordinary levy imposed on imported items in terms of item 196.10 of Part 8 of Schedule No. 1 of the Customs and Excise Act, 1964 with effect from 1 October 1989.</p> <p>F:..... V:..... T:.....</p>	Item			
E11	<p>CONTRACT PRICE ADJUSTMENT PROVISIONS (CPAP)</p> <p>Notwithstanding anything to the contrary contained in the GCC for Construction Works 2010 2nd Edition, this Contract shall only when the Construction Period exceeds 6 months and the Contract sum exceeds R1,000,000,00 be subject to the Contract Price Adjustment Provisions Indices Application Manual for use with P0151 indices (CPAP) (Revised 1 January 2013) as published by Statistics South Africa. Tenderers are advised that with reference to Clause 3.4.6 of the Contract Price Adjustment Provisions (CPAP) Indices Applications Manual, the Head: Public Works <u>will not accept the submission by Tenderers of lists of additional items.</u></p> <p>Where this contract is a Lump Sum contract, the contract will be subject to Contract Price Adjustment Provisions (CPAP) only where the contract period equals or exceeds 6 calendar months. The applicable work group shall be WG 180 for domestic buildings or WG 181 for commercial and industrial buildings.</p> <p>F:..... V:..... T:.....</p>	Item			
E12	<p>EPWP CONDITIONS AND SPECIFICATIONS</p> <p>12.1 EMPLOYMENT TARGETS</p> <p><u>E12.1 a Employment Targets</u></p> <p>The contractor needs to provide a realistic estimate on the number of jobs that the project has the potential to create throughout the project duration as the project will be implemented using labour intensive construction methods on elements where it is economical and feasible for this construction method.</p> <p>No of jobs to be created = [Contractor to fill in an estimated number]</p> <p>F:..... V:..... T:.....</p> <p><u>E12.1 b Employment requirements</u></p> <p>Tenderers are advised that this contract will be subject to the Expanded Public Works Program (EPWP) aimed at alleviating and reducing unemployment.</p> <p>Tenderers must allow for any costs for the employment of unskilled labour as per the requirements of the EPWP program;</p> <p>1. 55% of unskilled labour to be women 2. 55% of unskilled labour to be youth aged between 18 and 35 years 3. 2% of unskilled labour to be people living with disability 4. 100% Unskilled labour utilised must reside within the boundaries of the Municipality Ward where this contract is executed, with preference to the local community closest or at the walking distance to the contract site. Wherever possible local skilled tradesmen are to be employed on this contract with the view to maximize utilization of local resources.</p> <p>F:..... V:..... T:.....</p>	Item			
	Carried forward to collection			R	

	UNIT	QUANTITY	RATE	AMOUNT
<p><u>E12.1 c Labour rate and payment intervals</u> The contractor should ensure that labour rate paid to unskilled local labour is commensurate to the daily task. When determining the rate, consideration should be given to that EPWP beneficiaries are mostly bread winners in their families, as the program intends alleviating poverty. There should also be consideration that the labour rate promotes creation of expanded number of jobs created and person days of work. Contractors should make endeavours to ensure that labourers, particularly unskilled are remunerated on fortnight basis and prior notification be made should there be a shortfall on their wages. The labour rate for local unskilled shall also be determined in consideration of the location of the project, i.e. for projects implemented in urbanized municipalities will not be the same as that for rural municipalities.</p> <p>F:..... V:..... T:.....</p>	Item			
<p>12.2 LABOUR INTENSIVE CONSTRUCTION METHOD <u>E12.2 a Labour Intensive Construction (LIC) method</u> On site there must a person(s) having competency in managing and implementing LIC methods. *Foreman @ NQF Level 4 the Unit Standard on Implementing LIC methods on site. *Site Agent/ Managers @ NQF level 5 the Unit Standard on Manage Labour-Intensive Skills Programme both must be CETA accredited</p> <p>F:..... V:..... T:.....</p>	Item			
<p><u>E12.2 b Labour Intensive Construction Method</u> Those parts of the contract to be constructed using Labour Intensive methods will be marked in the BoQ with letter LI (indicating Labour Intensive) against every item so designated. Such works will only be constructed using method so indicated. Reference to be made to Guidelines for the implementation of Labour Intensive Infrastructure projects under EPWP. "Scope of Work in Respect of Work Relating to the Expanded Public Works Programme (EPWP)"</p> <p>F:..... V:..... T:.....</p>	Item			
<p>E12.3 RECORD KEEPING 12.3.1 Every employer must keep in the project site office the following minutes of site progress minutes; contractors' monthly site progress reports; accurately recorded attendance register; proof of payment as means to verify authenticity of data in the EPWP Beneficiary form submitted with payment certificates. Copies of submitted EPWP beneficiary data forms should also be kept in the site office.</p> <p>F:..... V:..... T:.....</p>	Item			
<p>12.3.2 The employer must keep this record for a period of at least three (3) years after the completion of the project in his/her office as the project site office would have been relocated. This should be safely kept for job creation data verifications and periodical audits on projects conducted by National and Provincial Department of Public Works after one (1) or two (2) quarters of submitting captured EPWP Data to the National EPWP coordinating Department.</p> <p>F:..... V:..... T:.....</p>	Item			
Carried forward to collection			R	

	UNIT	QUANTITY	RATE	AMOUNT
<p>E12.4 EPWP REPORTING as per EPWP DATA FORM</p> <p>At the end of each month as part of site progress report and to be attached to every contractors' progress payment certificate; the contractor shall provide the principal agent & Public Works with a written records, as per EPWP data form; which will be reflecting, beneficiaries full name & surname; ID No and job description of labour employed by main contractor and sub-contractors on site. At the end of each month the contractor must submit the following documents to be attached to the Progress payment certificate:</p> <ol style="list-style-type: none"> 1. EPWP monthly data collection form 2. Worker monthly payment upload 3. Worker monthly proof of payment i.e <ol style="list-style-type: none"> 3.1 Acknowledgement of receipt of payment or 3.2 Payslips 3.3 Bank statement highlighted the workers paid 4. Worker monthly training form 5. Monthly attendance register 6. Certified copies of ID's (once off) 7. ID size photos (once off) 8. Proof of UIF 9. Proof of COIDA <p>F:..... V:..... T:.....</p>	Item			
<p>E12.5 EPWP PROMOTION</p> <p><u>12.5.1 EPWP signage board</u></p> <p>EPWP Program at the project level shall always be promoted through have the projects signage board that embrace EPWP logo at the bottom, correct measurement for this signage board will be provided by the project leader during the site handing over meeting. the standard "HELVETIVA MEDUIM " letters are to be used . Professional title to be 10 mm above line . Line thickness to be 8 mm thick . Space between bottom of the line and bottom of the lettering below the line has to be 100 mm. Letter sizes are as follows : Helvetica meduim 100 mm black upper case to be for project name and owner . Helvetica meduim 75mm black upper case only to be used for professional titles.Project name and owner shall be black lettering on white background.board sizes are as follows : Board to be minomum 2000mm from ground level and to be constructed from reinforced formed chromadek panels minimum 0,6mm thick chromadek. The contractor is responsible for ensuring that the project board remains neatly and safely erected for the full duration including maintenance period,after which the project board and post are to be dismantled and handed to the client in good order.</p> <p>F:..... V:..... T:.....</p>	Item			
<p><u>12.5.2 Branding of labour apparel</u></p> <p>Contractor & Sub-contractors' labourers shall be provided with EPWP branded Personal Protective Equipment (PPE), reflector vest with EPWP wording at the back is an ideal and cost effective means of promoting program on site.</p> <p>The contractor is then advised to price for both item 17.5.1 and 17.5.2</p> <p>F:..... V:..... T:.....</p>	Item			
Carried forward to collection			R	

	UNIT	QUANTITY	RATE	AMOUNT
<p>E12.6 COMMUNITY LIAISON OFFICER (CLO) <u>UTILISATION OF A COMMUNITY LIAISON OFFICER</u> In addition to the requirements of Clause E9, contained in this document; The Contractor shall allow for and pay any and all costs necessary for the engagement of the services of a Community Liaison Officer (CLO) for the full duration of this contract</p> <p>In the interest of providing a sound service to both the community and the Contractor, a CLO may only manage one project at a given time.</p> <p>A CLO will be identified by the local structures of the ward areas and appointed following fair and transparent interviewing process, to be conducted in the presence of local structures and the contractor representative, in order to assist the Contractor in the procurement of any local labour, etc. required for this project. The Contractor is to liaise with the CLO and afford him any assistance needed in ensuring sound working relations with the local community.</p> <p>Key Responsibilities of the CLO are envisaged to include and not necessary be limited to:</p> <ol style="list-style-type: none"> 1. Assisting local leadership in conducting skills and resources audit which facilitates sourcing labour from within the ward or targeted areas for employment, as required by contractor. 2. Assisting in sourcing labour-only domestic sub-contractors and the procurement of materials from local resources, as required by the contractor. 3. Assisting the contractor by identifying areas of potential conflict and or threats to the project or to stakeholders in the project and recommend appropriate action to the contractor. 4. Assisting contractor and stakeholders in the project in the resolution of any conflict which may arise. 5. Establishing and ensuring that sufficient and open communication channels between the contractor and the work force are maintained. 6. Establish and ensuring that efficient and open communication channels between the contractor and the community are maintained 7. Identifying and reporting to the Contractor regarding issues where communication between stakeholder is necessary, recommend courses of action and facilitate such communications 				
Carried forward to collection			R	

		UNIT	QUANTITY	RATE	AMOUNT
	<p>8. Assisting the Contractor and the work force in the establishment of grievance procedures and necessary recommendation to the Contractor regarding the grievances and solution thereto.</p> <p>9. Attending to site meetings and project implementation meetings as required by the Contractor and prepare periodic reports as may be required by the Contractor from time to time.</p> <p>10. Attending to such other duties which are consistent with the functions of a CLO, as may be required by the Contractor from time to time.</p> <p>Tenderers are to price twice the rate of unskilled local labour rate against this item for any and all costs arising out of compliance with the foregoing and in the event of a Tenderer failing to price against this item or making inadequate financial provision against this item for compliance as aforesaid, then no claim for costs or additional cost incurred will be entertained by the Head: Works</p> <p>F:..... V:..... T:.....</p>	Item			
	<p>E12.7 SKILLS DEVELOPMENT ON SITE</p> <p>Contractor in conforming to the object of EPWP that its beneficiaries need to be capacitated with skills that will render them employable in the future. It is then the responsibility of the Contractor that mandatory life skills are provided to 100% of workforce on site and on the job training to labourers from whom the potential for further development has been identified. The latter is not mandatory to all as it covers technical skills.</p> <p>Contractor should also make provision for the possibility that there might be local youth that will need to be placed on the project with an intention to be provided support towards improving their level of competency and productivity.</p> <p>Contractor shall also provide all necessary on-the-job training to targeted labour to enable such labour to master and advance on techniques required to undertake the work in accordance with requirements of the contract in a manner that does not compromise workers health and safety.</p> <p>F:..... V:..... T:.....</p>	Item			
	<p>E12.8 LABOUR ONLY Sub Contracting for local emerging enterprises</p> <p>Tenderers are advised that this contract is subject to the Expanded Public Works Programme (EPWP) and the following criteria will apply:</p> <p><u>African Equity Ownership</u></p> <p>a) The Tenderer is to allow for 5% of the total value of works to be undertaken by a Priority Population Group. This percentage excludes the costs of employing local unskilled labour. The allocation of this percentage from the Project, the screening of people, the selection of skills, will be for the Contractor to adjudicate.</p> <p>b) The Priority Population Group consists of women, youth and disabled people.</p> <p>c) The Contractor is to give first option for prospective PPG's from the surrounding areas of the Project. Should there be insufficient suitable people fitting the criteria of PPG's, the Contractor may hire people from further afield. This is to be done only after consultation with the Department of Works EPWP Co-ordinator and the Community Liaison Officer (CLO).</p> <p>d) A Mentor is to be employed by the Contractor, in consultation with the Department of Works for the purposes of quality control and liaison between the Contractor and the selected PPG's on site. The mentor will be responsible for ensuring an acceptable level of quality workmanship and that such work carried out by the PPG's is executed within the time frames stipulated.</p> <p>In so far as possible, the Contractor is encouraged to expand the PPG's skills, knowledge and performance levels.</p> <p>F:..... V:..... T:.....</p>	Item			
	Carried forward to collection				

		UNIT	QUANTITY	RATE	AMOUNT
	<p><u>TENDERER'S TO NOTE CONDITIONS</u></p> <p>a) The contract to be entered into between the Contractor and the PPG's will be a LABOUR ONLY sub-contract.</p> <p>b) The Contractor will be responsible for ensuring that all materials for use by the PPG's in the works are to be on site timeously. The Contractor shall liaise with The Mentor and PPG to determine the nature and extent of materials required and the lead time necessary.</p> <p>c) The Contractor shall be responsible for the overall programming of the Works and he is to allow for monitoring the PPG's programme and progress.</p> <p>d) In conjunction with the Mentor, he is to allow for the supervision and mentoring (where necessary) of the PPG to ensure quality and adherence to standard building practice</p> <p>e) The Contractor is to allow for extra storage facilities on site for the PPG's tools and equipment.</p> <p>f) Basic tools shall be provided by the PPG's and where these are not available; the Contractor will supply him with the necessary tools and equipment and deduct the costs thereof from the interim claims made by the PPG.</p> <p>g) Work requiring specialized tools will be provided free of charge by the Contractor with the provision that these be returned upon completion of the Work.</p> <p><u>CO-ORDINATION</u></p> <p>The Contractor is to co-ordinate the work of all the PPG's, Sub-Contractors and Nominated Sub-Contractors appointed direct by the Employer in such a manner and at all times as will suit the building programme and he is to allow adequate access, for the PPG's, where required, to carry out their work in an efficient manner as no claims for extras in this connection will be entertained.</p> <p>F:..... V:..... T:.....</p> <p><u>ATTENDANCE</u></p> <p>The Contractor may allow for attendance upon the PPG's concerned to execute the work. The Contractor is to allow the PPG's the use of any scaffolding belonging to him while it remains so erected on the site.</p> <p>Where scaffolding is necessary for the use by any PPG and the Contractor has not erected any for his own use or has removed same after his own use, the Contractor shall supply sufficient scaffolding to the PPG to be erected and dismantled by the PPG and returned to the Contractor.</p> <p>This attendance upon PPG's to execute the work is to include for the scaffolding provisions as aforesaid and, in addition, is to include for co-operating to the fullest extent with all the parties, attending on off-loading materials, providing suitable storage for tools and materials used by the PPG's, use of general facilities such as latrines, etc., supply and cost of power, lighting, water and the like.</p> <p>F:..... V:..... T:.....</p> <p><u>E12.9 EPWP CONTRACT FOR LABOUR</u></p> <p>It is compulsory that shortly after the contractor and or sub contractor has appointed local labour, the employment contract should be signed by both parties, prior to commencement with works on site. The employment contract forms part of the Ministerial Determination or from the regional EPWP officials. Each contract will lapse at the end of each financial year therefore requiring the Contractor to do a renewal of each contract should the need of employment still exist for that particular labourer.</p> <p>F:..... V:..... T:.....</p>	Item			
	Carried forward to collection			R	

	UNIT	QUANTITY	RATE	AMOUNT
<p>E12.10 EPWP SCOPE of WORK</p> <p>Note: Contractors are to price any item on the Bill of Quantities having below, bearing in mind that they are regarded as main sources of job creation, whether sub contracted or undertaken by the main contractor.</p> <p>Elements on the scope of work where application of Labour Intensive Construction methods as will indicated with letters (LI) are regarded feasible are as follows;</p> <p>i) Excavating trenches for foundations and any other civil works with the depth not more than 1.5 m</p> <p>ii) All masonry works which include concrete mixing on site; brickwork; plastering; screed works; jointing; etc.</p> <p>iii) Painting, Plumbing, Ironmongery; roof cladding; glazing; tiling; carpentry; flooring; waterproofing; etc.</p> <p>F:..... V:..... T:.....</p> <p>Note: It is a general requirement of this contract that persons normally resident in the ward of the works (local labour) be given preference for employment on the contract. Provided, however, that should adequate and appropriate labour not be available within the ward, others may be employed subject to satisfactory proof being provided that every reasonable endeavour has been made to employ local labour (Local Sub-contractor(s); Skilled; Semi-Skilled and Unskilled). The contractor shall in consultation with the local community leaders with the purpose of negotiating with them regarding the utilization of local resources in the construction process. In this regard, the contractor shall furthermore give preference, wherever possible to the employment of single heads of households, women and youth as well as families declared as most indigent by War on Poverty/ Sukuma Sakhe program profiling process. The contractor should aim, in general, to maximise the involvement of the local community, however workers from other communities should not exceed 20% of all persons working on the project, where local employees possess skills at level of competency that meet contractors requirements.</p> <p><u>Payment for the labour-intensive component of the works</u> Payment for works identified in the Scope of Work as being labour-intensive shall only be made in accordance with the provisions of the Contract if the works are constructed strictly in accordance with the provisions of the Scope of Work. Any non-payment for such works shall not relieve the Contractor in any way from his obligations either in contract or in delict.</p> <p><u>Linkage of payment for labour-intensive component of works to submission of project data</u> The Contractor's payment invoices shall be accompanied by labour information for the corresponding period in a format specified by the employer. If the contractor chooses to delay submitting payment invoices, labour returns shall still be submitted as per frequency and timeframe stipulated by the Employer. The contractor's invoices shall not be paid until all pending labour information has been submitted.</p> <p><u>Applicable labour laws</u> The current Ministerial Determination (also downloadable at www.epwp.gov.za) Expanded Public Works Programmes, issued in terms of the Basic Conditions of Employment Act of 1997 by the Minister of Labour in Government Notice , shall apply to works described in the scope of work as being labour-intensive and which are undertaken by unskilled or semi-skilled workers.</p> <p>F:..... V:..... T:.....</p>	Item			
Carried forward to collection			R	

		UNIT	QUANTITY	RATE	AMOUNT
E13	HIV/AIDS AWARENESS Tenderers are to price against the following items for compliance with the SPECIFICATION FOR HIV/AIDS AWARENESS bound into this document (The clauses referred to are those of the Specification for HIV/AIDS)				
E13.1	Provide and maintain a condom dispenser in terms of Clause 5.1a) F:..... V:..... T:.....	Item			
E13.2	Provide and maintain HIV/AIDS awareness posters terms of Clause 5.1b) F:..... V:..... T:.....	Item			
E13.3	HIV /Aids Awareness Programme on Site for not less than 90% of workers inclusive of all direct and indirect costs; Engage a qualified service provider as described in the scope of works to conduct an HIV Awareness Programme in terms of Clause 5.2.1a) F:..... V:..... T:.....	Item			
E13.4	Arrange for workers to attend the HIV Awareness Programme in terms of Clause 5.2.1b) F:..... V:..... T:.....	Item			
E13.5	Reporting Prepare and attach to claims for payment a brief report in terms of Clause 5.3 (see also HIV/STI Compliance Report included with this document). F:..... V:..... T:..... <i>Note: In the event that the contractor fails to satisfy the requirements of this specification, the employer (Head: Health) may apply any of the sanctions provided for in the contract. Sanctions may include the application of a financial penalty of 0.04% of the Contract Sum per calendar day of which the required reports has not been submitted.</i>	Item			
E14	OCCUPATIONAL HEALTH AND SAFETY ACT NO. 85 OF 1993 Tenderers are to allow for costs in providing a project specific ' Construction Phase Safety, Health and Environmental Plan' in accordance with "Section 2 - Specification Data associated with SANS 1921-1:2004" clause C4.18 in "Part C3 - Scope of Work" F:..... V:..... T:.....	Item			
E15	NOTICE BOARD, SITE OFFICE, ETC. Bidders are to allow for the provision and removal of a project notice board and a site office in accordance with the Principal Agent's requirements. F:..... V:..... T:.....	Item			
E16	IMPORTED MATERIALS AND EQUIPMENT Where imported items are listed in the tender documents, the tenderer shall provide all information called for, failing which the price of any such item, material or equipment shall be excluded from currency fluctuations. (Refer to T2.14 - Schedule of Imported Materials and Equipment.) F:..... V:..... T:.....	Item			
E17	CONTRACT DOCUMENTS The drawings issues with these Bid documents do not comprise the complete set but serves as a guide only for Biding purposes and for indicating the scope of works to enable the Bidder to acquaint him with the nature and extent of the works and the manner in which they are to be executed. Should any part of the drawings not be clearly legible to the Bidder he shall, before submitting his Bid, obtain clarification in writing from the principal agent. F:..... V:..... T:.....	Item			
Carried forward to collection				R	

		UNIT	QUANTITY	RATE	AMOUNT
E18	<p>GENERAL PREAMBLES</p> <p>The Document Preambles will be the DOH Supplementary Preambles January 2009 Rev.3 and shall be read in conjunction with the Bills of Quantities and be referred to for the full descriptions of work to be done and materials to be used.</p> <p>F:..... V:..... T:.....</p>	Item			
E19	<p>TRADE NAMES</p> <p>Wherever a Trade Name for any product has been described in the Bills of Quantities the Bidder's attention is drawn to the fact that any other product of equal quality may be used subject to the written approval of the Principal Agent being obtained prior to the closing date for submission of Bids.</p> <p>F:..... V:..... T:.....</p>	Item			
E20	<p>EXISTING PREMISES OCCUPIED</p> <p>Refer to Scope of Works Part C3 of this Bid Document for information on the occupation of existing buildings.</p> <p>F:..... V:..... T:.....</p>	Item			
E21	<p>INACCURATE AND DEFECTIVE WORK EXECUTED UNDER PREVIOUS CONTRACT</p> <p>The contractor shall, after taking possession of the site and before commencing the work, check all levels, liners, profiles and the like and satisfy himself as to the dimensional accuracy of all work executed under the previous contract which may affect his work.</p> <p>Should any inaccurate or defective work be found, the contractor shall immediately notify the principal agent in writing requesting his instructions with regard thereto and afford every facility to those rectifying such inaccurate or defective work.</p> <p>F:..... V:..... T:.....</p>	Item			
E22	<p>VIEWING THE SITE IN SECURITY AREAS</p> <p>If the site is situated in a security area and the Bidder must arrange with the Authorities to obtain permission to enter the site for Bidding purposes.</p> <p>F:..... V:..... T:.....</p>	Item			
E23	<p>COMMENCEMENT OF WORKS IN SECURITY AREAS</p> <p>If the works falls within a security area, the contractor must arrange with the Authorities and give the necessary notices before commencement of the works. Should the contractor fail to make such arrangements, admission to the site may be refused and any additional costs will be for the contractor's account.</p> <p>F:..... V:..... T:.....</p>	Item			
E24	<p>ENTRANCE PERMITS TO SECURITY AREAS</p> <p>If the works fall within a security area, the contractor shall obtain entrance permits for his personnel and workmen entering the area and shall comply with all regulations and instructions which may be issued from time to time regarding the protection of persons and property under control of the Authority.</p> <p>F:..... V:..... T:.....</p>	Item			
	Carried forward to collection			R	

		UNIT	QUANTITY	RATE	AMOUNT
E25	<p>SECURITY CHECK OF PERSONNEL</p> <p>The principal agent may require the contractor to have his personnel and workmen, or a certain number of them, security classified.</p> <p>In the event of the principal agent requesting the removal of a person or persons from the works for security reasons, the contractor shall do so forthwith and shall thereafter ensure that such person or persons are denied access to the works and the site and/or to any document or information relating to the works.</p> <p>F:..... V:..... T:.....</p>	Item			
E26	<p>PROHIBITION ON TAKING PHOTOGRAPHS</p> <p>In terms of article 119 of the Defence Act, 44 of 1957, it is prohibited to sketch or to take photographs of any military site or installation or any building or civil works thereon or to be in possession of a camera or other apparatus used for taking photographs, except when authorised thereto by or on behalf of the Minister.</p> <p>The same prohibition is also applicable to all Correctional Institutions in terms of article 44.1(e) of the Correctional Services Act 8 of 1959.</p> <p>F:..... V:..... T:.....</p>	Item			
E27	<p>MANAGEMENT OF WATER</p> <p>Water for Construction purposes must be obtained from alternative water sources (i.e. supply other than water that is produced and distributed by a regulated water service authority from a licenced water treatment works for human consumption), eg dams, rivers, boreholes, springs, rainwater harvesting, recycled sewerage water, etc. The alternative water source shall not be of an inferior quality / standard than that required for construction purposes. The client reserves the right through his agents to test such supplies or request certificates confirming the grade and nature of the water supply. Relevant knowledge of the respective area will be an advantage.</p> <p>F:..... V:..... T:.....</p>	Item			
E28	<p>POWER FAILURES AND/OR LOADSHEDDING</p> <p>The contractor shall not be entitled to a revision of the date for practical completion as a result of electric power failures and/or load shedding. The cost of ensuring continuous power for the purposes of completing the works shall be deemed to have been priced for.</p> <p>F:..... V:..... T:.....</p>	Item			
E29	<p>CIDB BUILD Programme: Minimum Targeted Enterprise Development Contract Participation Goal</p> <ul style="list-style-type: none"> • The aim of indirect targeting for enterprise development is to promote enterprise development by providing for a minimum contract participation goal (CPG) of five percent (5%) of the contract amount as defined in the Standard • The bidder shall submit monthly reports in terms of monthly achievement and accumulative targets achieved including audited supporting documentation to the Employer's Representative. • The contractor shall attain or exceed the enterprise development goal in the performance of the contract. Failing to achieve the Participation Goal will result in A) a thirty percent (30%) penalty of the value not achieved, excluding VAT, unless the contractor can prove to the Employer's satisfaction that the non-achievement was beyond his/her control. 				
Carried forward to collection				R	

<p>• The lead partner or main contractor shall dedicate a minimum five percent (5%) of total project value to provide developmental support to targeted subcontractor or joint venture partner applicable to contracts in Grades 7 to 9, General Building and Civil Engineering contracts.</p> <p>• Provision for compliance with the aforementioned is to be made by the contractor under this item and it is explicitly pointed out that all requirements in respect of are deemed to be priced thereunder and no additional claims in this regard shall be entertained.</p> <p><u>E29.1 Criteria</u></p> <p>The main or lead partner of the successful bidder shall:</p> <p>(a) There must be a needs analysis carried out by the contractor for indirect targeting and development or skill standard and should be development in at least any two developmental areas namely;</p> <ul style="list-style-type: none"> • Administrative and cost control systems • construction management systems and plans • planning, tendering and programming • business; technical; procurement skills • legal compliance • credit rating/history; financial loan capacity/history • contractual knowledge <p>The contractor shall prepare a Development plan per a targeted enterprise</p> <p>(b) The above needs analysis shall be mutually agreed upon between contractor and targeted enterprise</p> <p>(c) The contractor shall appoint an enterprise development coordinator to:</p> <ul style="list-style-type: none"> • perform needs analysis on the targeted enterprise to identify developmental goals • develop a project specific enterprise development plan to improve the targeted enterprise/s performance in the identified developmental areas • provide internal mentorship support to improve the targeted enterprise/s performance • monitor and submit to the employer's representative a monthly enterprise development report thereby reporting on the progress of the agreed development areas with the targeted enterprise/s • submit a project completion report to the Employer's representative for each targeted enterprise. <p><u>E29.2 Management</u></p> <p>The contractor shall provide a competent person/s to provide internal mentorship to the Targeted Enterprise/s in the two agreed developmental areas.</p> <p><u>E29.3 Competence Criteria for an Enterprise Development Co-ordinator</u></p> <p>The enterprise development co-ordinator shall have the following competencies:</p> <ul style="list-style-type: none"> • Minimum experience of 5 years in the construction industry at Managerial level as a Site Agent, Contracts Manager, Site Manager, Construction Manager, Business Development Manager or Enterprise Development Manager. • Minimum experience of 2 years in training and development in Building or Construction; and • National Diploma or B Degree in the Built Environment or Business Management 				
Carried forward to collection			R	

<p><u>E29.4 Format of Communications</u></p> <p>The contractor shall submit to the Employer's Representative:</p> <ul style="list-style-type: none"> • <i>Project interim reports</i> in the specified format (ED105P) detailing interim values of the CPG that was achieved together with an assessment of the enterprise development support provided should be tabled and discussed at least monthly at progress meetings between employer's representative and the contractor; • <i>Project completion report</i> in the specified format (ED101P) to the Employer's Representative for acceptance within 15 days of achieving practical completion. The report shall include the value of the CPG that was certified in accordance with the contract, cidb registration numbers of each and every targeted enterprise, and the value of the subcontracted works or of the joint venture entered into; and the participation parameter • <i>Enterprise development declaration (ED104P)</i>. <p><u>E29.5 The Key Personnel</u></p> <p>The contractor shall appoint an Enterprise Development Co-ordinator and a competent person/s to provide internal mentorship.</p> <p><u>E29.6 Management Meetings</u></p> <p>The contractor shall report to the Employer's Representative on the implementation and progress of the targeted enterprise development and CPG at monthly progress site meetings.</p> <p><u>E29.7 Forms for contract administration</u></p> <p>The contractor shall submit to the Employer's Representative the following proformas:</p> <ul style="list-style-type: none"> • Form ED 105P Project Interim Report • Form ED 104P Enterprise Development Declaration • Form ED 101P Project Completion Report <p><u>E29.8 Records</u></p> <p>The contractor shall:</p> <ul style="list-style-type: none"> • keep records of the targeted enterprise development • keep records of the payments made to the targeted enterprises in relation to the CPG. • ensure all the documentation required in terms of the Standard is provided with each monthly progress payment certificate and according to a prescribed format where applicable. <p>Pricing hereunder shall be for all necessary requirements in this regard.</p> <p>F:..... V:..... T:.....</p> <p>The Needs Analysis the contractor shall perform on the targeted enterprise and or JV partner to identify the developmental goals shall be at a rate of R 5000 00 (Five Thousand rands) per targeted enterprise.</p> <p>F:..... V:..... T:.....</p> <p>The Monitoring and Interim reporting to be performed by the contractor as per the Standard at a rate of R 20 000 00 (Twenty Thousand Rands) per quarter</p> <p style="text-align: right;">P.C SUM</p> <p>The contractor shall submit the Completion report to the Employer's representative as per the Standard at a rate of R 5000 00 (Five Thousand Rands) per targeted enterprise</p> <p>F:..... V:..... T:.....</p>	<p>Item</p> <p>Item</p> <p>Item</p>			<p>R 160 000,00</p>
Carried forward to collection				R

E30	<p>CIDB BUILD Programme: Minimum Targeted Contract Skills Development Goal (CSDG)</p> <p>The Minimum Targeted Contract Skills Development CPG is applicable to this project.</p> <ul style="list-style-type: none"> The contractor shall achieve or exceed in the performance of the Contract Skills Development Goal (CSDG). Failing to achieve the targeted Contract Skills Development Goal will result in a thirty percent (30%) penalty of the value of the portion not achieved, excluding VAT. The contractor shall apportion the learners in the different construction activities based on the scope of work. The cost of accommodating learners will be determined by using Table 3 in the Standard and this cost will be used to determine the value in Rand and must be priced and added to the provision for training as provided for in the Preliminary and General section. <p><u>E30.1 Methodology</u></p> <p>The contractor shall achieve the measurable contract skills development goal by providing opportunities to learners requiring structured workplace learning using one or a combination of any of the following in relation to work directly related to the contract or order:</p> <p>Method 1: structured workplace learning opportunities for learners towards the attainment of a part or a full occupational qualification;</p> <p>Method 2: structured workplace learning opportunities for apprentices or other artisan learners towards the attainment of a trade qualification leading to a listed trade (GG No. 35625, 31 August 2012) subject to at least sixty percent (60%) of the artisan learners being holders of public TVET college qualifications;</p> <p>Method 3: work integrated learning opportunities for University of Technology or Comprehensive University students completing their national diplomas;</p> <p>Method 4: structured workplace learning opportunities for candidates towards registration in a professional category by a statutory council listed in Table 1 above.</p> <p>The contract skills participation goals, expressed in Rand, shall not be less than the contract amount multiplied by a 0.5% factor given in Table 2 in the Standard for the applicable class of construction works.</p> <p><i>Table 2: Contracting skills development goals for different classes of engineering and construction works contracts</i></p> <table border="1"> <thead> <tr> <th colspan="2">Class of construction works as identified in terms of Regulation 25 (3) of the Construction Industry Regulations 2004</th> <th rowspan="2">Construction skills development goal (CSDG) (%)</th> </tr> <tr> <th>Designation</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>CE</td> <td>Civil Engineering</td> <td>0.25</td> </tr> <tr> <td>CE and GB</td> <td>Civil engineering and General Building</td> <td>0.375</td> </tr> <tr> <td>EE</td> <td>Electrical Engineering works (buildings)</td> <td>0.25</td> </tr> <tr> <td>EP</td> <td>Electrical Engineering works (infrastructure)</td> <td>0.25</td> </tr> <tr> <td>GB</td> <td>General Building</td> <td>0.5</td> </tr> <tr> <td>ME</td> <td>Mechanical Engineering works</td> <td>0.25</td> </tr> <tr> <td>SB</td> <td>Specialist</td> <td>0.25</td> </tr> </tbody> </table> <p>The contractor shall apportion the learners in the different construction activities based on the scope of work. The cost of accommodating learners will be determined by using Table 3 in the Standard and this cost will be used to determine the value in Rand and must be priced and added to the provision for training as provided for in this Preliminary and General.</p>	Class of construction works as identified in terms of Regulation 25 (3) of the Construction Industry Regulations 2004		Construction skills development goal (CSDG) (%)	Designation	Description	CE	Civil Engineering	0.25	CE and GB	Civil engineering and General Building	0.375	EE	Electrical Engineering works (buildings)	0.25	EP	Electrical Engineering works (infrastructure)	0.25	GB	General Building	0.5	ME	Mechanical Engineering works	0.25	SB	Specialist	0.25				
Class of construction works as identified in terms of Regulation 25 (3) of the Construction Industry Regulations 2004		Construction skills development goal (CSDG) (%)																													
Designation	Description																														
CE	Civil Engineering	0.25																													
CE and GB	Civil engineering and General Building	0.375																													
EE	Electrical Engineering works (buildings)	0.25																													
EP	Electrical Engineering works (infrastructure)	0.25																													
GB	General Building	0.5																													
ME	Mechanical Engineering works	0.25																													
SB	Specialist	0.25																													
	Carried forward to collection			R																											

Table 3: Notional Cost of Training per Headcount

Source: cidb Standard for Skills Development

Type of Training Opportunity	Provision for stipends (Unemployed learners only)	Provisions for mentorship	Provisions for additional costs*	Total costs	
				Unemployed learners	Employed learners
Method 1					
Occupational qualification	R7 000	R0	R9 000	R16 000	R9 000
Method 2					
TVET College graduates	R14 000	R0	R9 000	R23 000	N/A
Apprenticeship	R14 000	R0	R12 000	R26 000	R12 000
Method 3					
P1 and P2 learners	R24 000	R20 000	R4 500	R48 500	N/A
Method 4					
Candidates with a 3 year diploma	R37 000	R20 000	R4 500	R61 500	R20 000
Candidates with 4 year qualification	R47 000	R20 000	R4 500	R71 500	R20 000

Note: the required CPG will be recalculated based on the awarded tender amount and "Contract amount" once the beneficiaries have been appointed and actual costs are known. The notional cost of providing training opportunities will increase by CPI on an annual basis based on April CPI. Should the rates increase after bid award or during construction the rates will be adjusted as a remeasurable item.

(a) The successful contractor may employ part/full occupational qualification learners, trade qualification learners, work integrated learners or candidates directly or through a Skills Development Agency (SDA), (A1 - List of cidb accredited SDAs).

(b) The successful contractor must employ at least sixty percent (60%) of the learners from an FET / TVET college should the contractor select to have part/full occupational qualification learners and trade qualification learners contributing to the CSDG.

(c) The successful contractor shall employ as per the minimum requirements (as directed by the principal agent) from eligible part/full occupational qualification learners, trade qualification learners, work integrated learners or candidates in the employment of the employer.

(d) The successful contractor shall ensure that no single method shall contribute more than seventy five percent (75%) of the CSDG for the contract.

(e) The successful contractor may only place thirty three percent (33%) employed employees or that of his subcontractors contributing to the CSDG.

(f) The contractor shall employ at least sixty percent (60%) of the learners from a Public FET / TVET college should the contractor select to have trade qualification learners (Method 2) contributing to the CSDG.

(g) One of the objectives of the project is to train as per the minimum requirements (as directed by the principal agent) Occupational qualifications, trade qualification, work integrated learners – P1 and P2 learners, professional candidates.

E30.2 Management

(a) The successful contractor must keep site records regarding the part/full occupational qualification learners', trade qualification learners', work integrated learners' or candidates' progress, site attendance, hours worked and other relevant information as required by the Standard.

(b) The successful contractor shall provide the required number of appropriately qualified mentors to the maximum number of part/full occupational qualification learners, trade qualification learners, work integrated learners in the proportion as specified in the Standard.

Carried forward to collection

R

<p>(c) The successful contractor shall provide a supervisor to manage the training of the part/full occupational qualification learners, trade qualification learners, work integrated learners, candidates.</p> <p>(d) The successful contractor shall submit to the employer's representative a baseline training plan in the specified format (Pro-forma A2) for the part/full occupational qualification learners, trade qualification learners, work integrated learners, candidates within 30 days of start of the contract.</p> <p>(e) The successful contractor shall submit to the employer's representative project interim report in the specified format (Pro-forma A3) on the progress of each of part/full occupational qualification learner, trade qualification learner, work integrated learner, candidate every three months.</p> <p>(f) The successful contractor shall submit to the employer's representative the names and particulars in the specified format (Pro-forma A4) of the supervisor, mentors for the part/full occupational qualification learners, trade qualification learners, work integrated learners or candidates within 30 days of start of the contract.</p> <p>(g) The successful contractor shall submit to the employer's representative the reports on the progress and status of the part/full occupational qualification learners, trade qualification learners, work integrated learners or candidates with the monthly invoice for the payment certificate.</p> <p>(h) The successful contractor shall have health and safety inductions for all part/full occupational qualification learners, trade qualification learners, work integrated learners or candidates.</p> <p>(i) The successful contractor shall conduct entry and exit medical tests of all part/full occupational qualification learners, trade qualification learners, work integrated learners or candidates.</p> <p>(j) The successful contractor shall provide personal protective equipment (PPE) to all part/full occupational qualification learners, trade qualification learners, work integrated learners or candidates at the start of their employment on site.</p> <p>(k) Based on the agreed skills methods the contractor may employ part/full Occupational Qualification Learners and /or Trade Qualification Learners and/or Work Integrated Learners and/or Candidates directly or through a Skills Development Agency (SDA), training provider or skills development facilitator (Form A1 - List of cidb accredited SDAs). The contractor shall ensure that no more than one Method shall be applied to any individual concurrently in the calculation of the CSDG for the contract. Pricing will be deemed to be inclusive of all necessary requirements.</p> <p>F:..... V:..... T:.....</p>	Item			
Carried forward to collection			R	

SECTION 1

SUMMARY – PRELIMINARY & GENERAL

Collection	Page No.	Amount	
	1	R	
	2	R	
	3	R	
	4	R	
	5	R	
	6	R	
	7	R	
	8	R	
	9	R	
	10	R	
	11	R	
	12	R	
	13	R	
	14	R	
	15	R	
	16	R	
	17	R	
	18	R	
	19	R	
	20	R	
	21	R	
	22	R	
Carried forward to Final Summary		R	

Section No. 1
Preliminary & General
Summary



NYAVINI CLINIC: CONSTRUCTION OF SMALL CLINIC

PART C2.3 BILL OF QUANTITIES

Unit Quantity Rate Amount

BILL NO. 1
EARTHWORKS (PROVISIONAL)

(CPAP WORK GROUP NO. 104 UNLESS OTHERWISE STATED)

The bidder is referred to the relevant clauses in the KZN Department of Health Standard Preambles to all Trades Rev 3 - January 2009 (available on request), to the Architectural and Structural/Civil Engineering specifications documents, to the drawings (which are to be read in conjunction with the architectural specification), and to all general and project-specific specifications as contained in the complete Bid Documents. Bidders are thus urged to study these documents as rates will be deemed to be inclusive of all requirements as included in same. Further, should any discrepancy be noted between these Bills of Quantities and the Specifications, the Specifications shall take precedence.

Further to the above, Bidders are to note that the latest edition of SANS 10400, current at the time of the tender will form part of the specifications to this contract and as such, pricing shall be deemed to include for complete conformance in all respects to the requirements of SANS 10400.

SUPPLEMENTARY PREAMBLES

Working at Heights

Bidders are to note that the work to be undertaken will require all necessary scaffolding, due to the heights of the structures to be constructed/alterd. Bidders are to therefore price accordingly as rates will be deemed to include for same and no further claims in regard to all necessary scaffolding in the completion of the scope of works will be entertained.

Carried to Collection

R

Bill No. 1
 Earthworks (provisional)

	Unit	Quantity	Rate	Amount
<p><u>Labour Intensive</u></p> <p>Bidders are to note well that specific items within these Bills of Quantities have been designated as LABOUR INTENSIVE by the addition of the words “Labour Intensive” at the end of the description for the said item. Where items have been designated as being LABOUR INTENSIVE as described, pricing shall be deemed to include for the carrying out to completion of said item on site by means and methods that rely predominantly on manual labour. As such, no claims shall be entertained regarding any additional time or monetary costs incurred by the use of LABOUR INTENSIVE methods. Further, the Contractor is to note that contravention of the above i.e. use of mechanised, or other systems to carry out LABOUR INTENSIVE work as hereinafter designated, will be viewed and dealt with in an extremely serious light by the Client, as it remains a national imperative to develop, employ and provide skills through the Expanded Public Works Programme.</p> <p><u>Nature of ground</u></p> <p>The nature of the ground is assumed to be loose sandy material, therefore 'earth', but possibly interspersed with 'soft rock' or 'hard rock'</p> <p>A soils investigation has been carried out on the site by the engineer and the report is annexed to these bills of quantities.</p> <p><u>Carting away of excavated material</u></p> <p>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, and dumping at registered dumpsites.</p> <p><u>Bulking</u></p> <p>No allowance has been made for bulking</p> <p><u>Filling</u></p> <p>Notwithstanding the reference to prescribed multiple handling in clause 1 page 6 of the Standard System of Measuring Building Work, prices for filling and backfilling shall include for all selection and any necessary multiple handling of material</p> <p><u>Testing</u></p> <p>Prices for filling are to include for all necessary density tests in accordance with the relevent section of SANS</p>				
<p style="text-align: right;">Carried to Collection</p> <p>Bill No. 1 Earthworks (provisional)</p>			R	

		Unit	Quantity	Rate	Amount
	<u>Imported filling of G2 material, filled and compacted to 102% Mod AASHTO density, in layers not exceeding 150mm thick, all in accordance with the relevant sections of SANS</u>				
12	Under floors, steps, pavings, etc.	m ³	507		
	<u>Imported filling of G5 material, filled and compacted to 98% Mod AASHTO density, in layers not exceeding 150mm thick, all in accordance with the relevant sections of SANS</u>				
13	Under floors, steps, pavings, etc.	m ³	507		
	<u>Compaction of ground surfaces</u>				
14	Compaction of ground surface under floors etc. including scarifying for a depth of 150mm, adding G7 material where necessary and compacting to 95% Mod AASHTO density	m ²	3 382		
	<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 (5) years in accordance with SANS 10400</u>				
15	Under floors etc, including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m ²	3 382		
16	To bottoms and sides of trenches etc	m ²	6 597		
	<u>TESTS</u>				
	<u>Prescribed tests to determine degree of compaction or other properties of ground or filling</u>				
17	Modified AASHTO Density test	No	81		
Carried to Collection				R	

Amount

BILL NO. 1
EARTHWORKS (PROVISIONAL)
COLLECTION

Page No

Brought Forward from Page

- 1
- 2
- 3
- 4

Carried to Summary

R

Unit Quantity Rate Amount

BILL NO. 2
CONCRETE, FORMWORK AND REINFORCEMENT

(CPAP WORK GROUP NO. 110 UNLESS OTHERWISE STATED)

The bidder is referred to the relevant clauses in the KZN Department of Health Standard Preambles to all Trades Rev 3 - January 2009 (available on request), to the Architectural and Structural/Civil Engineering specifications documents, to the drawings (which are to be read in conjunction with the architectural specification), and to all general and project-specific specifications as contained in the complete Bid Documents. Bidders are thus urged to study these documents as rates will be deemed to be inclusive of all requirements as included in same. Further, should any discrepancy be noted between these Bills of Quantities and the Specifications, the Specifications shall take precedence.

Further to the above, Bidders are to note that the latest edition of SANS 10400, current at the time of the tender will form part of the specifications to this contract and as such, pricing shall be deemed to include for complete conformance in all respects to the requirements of SANS 10400.

SUPPLEMENTARY PREAMBLES

Working at Heights

Bidders are to note that the work to be undertaken will require all necessary scaffolding, due to the heights of the structures to be constructed/alterd. Bidders are to therefore price accordingly as rates will be deemed to include for same and no further claims in regard to all necessary scaffolding in the completion of the scope of works will be entertained.

Carried to Collection

R

Bill No. 2
 Concrete, Formwork And Reinforcement

	Unit	Quantity	Rate	Amount
<p><u>Labour Intensive</u></p> <p>Bidders are to note well that specific items within these Bills of Quantities have been designated as LABOUR INTENSIVE by the addition of the words “Labour Intensive” at the end of the description for the said item. Where items have been designated as being LABOUR INTENSIVE as described, pricing shall be deemed to include for the carrying out to completion of said item on site by means and methods that rely predominantly on manual labour. As such, no claims shall be entertained regarding any additional time or monetary costs incurred by the use of LABOUR INTENSIVE methods. Further, the Contractor is to note that contravention of the above i.e. use of mechanised, or other systems to carry out LABOUR INTENSIVE work as hereinafter designated, will be viewed and dealt with in an extremely serious light by the Client, as it remains a national imperative to develop, employ and provide skills through the Expanded Public Works Programme.</p> <p><u>Concrete</u></p> <p>Rates for concrete shall be deemed to include for all necessary transportation, hoisting, etc. to render a perfect, sound and stable installation all to the satisfaction of the Structural Engineer.</p> <p>Bidders are to note that delay claims related to the supply of concrete decking, reinforcement, etc. will not be entertained and are thus urged to take cognisance of quantities required and secure supply accordingly</p> <p><u>Cost of tests</u></p> <p>The costs of making, storing and testing of concrete test cubes as required under the relevant part of SANS, shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the principal agent. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval of the principal agent. (Test cubes are measured separately).</p> <p><u>Formwork</u></p> <p>Formwork to soffits of solid slabs shall be deemed to be to slabs not exceeding 250mm thick unless otherwise described</p> <p>Formwork to soffits of slabs and beams shall be deemed to be propped up exceeding 1,5m and not exceeding 3,5m high unless otherwise described</p>				
Carried to Collection			R	
Bill No. 2 Concrete, Formwork And Reinforcement				

	Unit	Quantity	Rate	Amount
<p>Formwork to sides of bases, pile caps, ground beams 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"</p> <p><u>General Notes : Temporary Support Work and Back Propping Specifications and Requirements:</u></p> <p>All temporary support work (formwork and backpropping, etc) is the responsibility of the Contractor's own appointed 'Temporary Works' registered structural engineer/approved competent person (TWE).</p> <p>It is also the contractor's (TWE) responsibility to review the Principle Structural Engineers (PSE) construction layouts and develop the appropriate formwork support (back-propping, etc) execution plan.</p> <p>The formwork execution plan is to be developed in consultation with the (PSE) and final approval is required from the (PSE) prior to the execution of this plan.</p> <p>The contractor's (TWE) is also responsible to inspect and approve the erected formwork (back-propping, etc) prior to pouring concrete on site. He is also required to 'green tag' the approved formwork, indicating that it is safe to pour concrete. He is also required to 'fill in and sign off' the formwork in the on-site Health and Safety File indicating that he has inspected, approved and 'green tagged' the formwork and it is safe to pour the concrete. This 'sign-off' must occur each and every time the Contractor intends to pour any of the suspended concrete floor slabs.</p> <p>The Contractor's own appointed 'Temporary Works' structural engineer/approved competent person (TWE) must also carry his own professional indemnity (PI) insurance for 'Temporary Structural Works'. Proof of this insurance must be submitted to the Principal Agent / Project Manager for approval.</p> <p><u>As per Construction Regulations 2014: Temporary Formwork and Support work of OHS ACT 1993</u></p> <p>"A Contractor must appoint a temporary works designer in writing to design, inspect and approve the erected temporary works on site before use". The Contractor must submit this information inclusive of his (TWE) proof of (PI) to the Project Manager for approval.</p> <p>"A Contractor must ensure that all temporary works operations are carried out under the supervision of a competent person who has been appointed in writing for that purpose".</p>				
<p style="text-align: right;">Carried to Collection</p> <p>Bill No. 2 Concrete, Formwork And Reinforcement</p>			R	

	Unit	Quantity	Rate	Amount
<p>A contractor shall ensure that :</p> <p>"All formwork and support work structures are to be adequately designed, erected, supported, braced and maintained by a competent person so that they will be capable of supporting all anticipated vertical and lateral loads that may be applied to them and also that no loads are imposed onto the structure that the structure is not designed to withstand". This is the responsibility of the Contractor's own appointed 'Temporary Works' registered structural engineer/approved competent person (TWE) and he has to submit the necessary documentation confirming the above requirements to the Principal Agent / Project Manager for approval.</p> <p>"All the designs of formwork and temporary support work structures are done with a close reference to the structural design drawings issued and where any uncertainty exists, the structural designer (PSE) should be consulted". The contractors (TWE) is required to submit their formwork execution plan the (PSE) for approval prior to pouring any concrete on site.</p> <p>"Detailed activity specific drawings pertaining to the design of formwork or support work structures are kept on the site and are available on request by an inspector, contractor, client, client's agent or employee". The Project Manager must ensure that the Contractor has this information available on site at all times.</p> <p>"All equipment used in the formwork or support work structure are carefully examined and checked for suitability by a competent person, before being used". This is the responsibility of the Contractor's own appointed 'Temporary Works' registered structural engineer/approved competent person (TWE) and he has to 'sign-off' accordingly.</p> <p>"All formwork and support work structures are inspected by a competent person immediately before, during and after the placement of concrete or any other imposed load and thereafter on a daily basis until the formwork and support work structure has been removed and the results have been recorded in a register and made available on site". This is the responsibility of the PBC's own appointed 'Temporary Works' registered structural engineer/approved competent person (TWE) and he has to 'sign-off' accordingly.</p> <p>"The Contractor must ensure that his Temporary Works Engineer (TWE) submits a temporary works drawing or any other relevant document including construction sequences and method statements" to the (PSE) for review, comment and approval.</p>				
<p style="text-align: right;">Carried to Collection</p> <p>Bill No. 2 Concrete, Formwork And Reinforcement</p>			R	

	Unit	Quantity	Rate	Amount
<p>As highlighted above, the principle building contractor (Contractor) has to develop his construction programme with due consideration for the above construction regulations and the PSE's final approval of the Contractor's temporary formwork and back-propping execution plan.</p> <p>The vertical strutting shall be carried down to such construction as is sufficiently strong to afford the required support without damage and shall remain in position until the newly constructed work is able to support itself</p> <p><u>Finishing</u></p> <p>Finishing the surfaces of surface beds and slabs level and smooth to receive screed, grano or any other finish are deemed to be included in the rate for the surface bed or slab.</p> <p><u>Mesh reinforcement</u></p> <p>Mesh reinforcement is measured net, contractor to take consideration of lapping</p> <p><u>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES (PROVISIONAL)</u></p> <p><u>15MPa/20mm concrete in:</u></p>				
1	m ³	168		
<p><u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES IN FOUNDATIONS (PROVISIONAL)</u></p> <p><u>25MPa/20mm concrete</u></p>				
2	m ³	277		
3	m ³	2		
4	m ³	296		
<p><u>REINFORCED CONCRETE CAST ON/IN FORMWORK</u></p> <p><u>25MPa/20mm concrete</u></p>				
5	m ³	50		
<p><u>TEST CUBES</u></p> <p>All tests done by the "Ready mix" supplier must be made available free of cost to the Engineer for approval. If the Engineer deems it necessary he will order supplementary tests to be done by an independant laboratory as measured below.</p>				
6	No	267		
Carried to Collection			R	
<p>Bill No. 2 Concrete, Formwork And Reinforcement</p>				

	Unit	Quantity	Rate	Amount
<u>CONCRETE SUNDRIES</u>				
<u>Finishing top surfaces of concrete smooth with a wood float</u>				
7	m ²	208		
<u>Finishing top surfaces of concrete smooth with a power float</u>				
8	m ²	2 274		
<u>SMOOTH FORMWORK (DEGREE OF ACCURACY II) (CPAP WORK GROUP NO. 111)</u>				
<u>Smooth formwork to soffits</u>				
9	m ²	167		
<u>Smooth formwork to sides and soffits</u>				
10	m ²	234		
<u>MOVEMENT JOINTS ETC</u>				
<u>Expansion joints with 10mm thick polystyrene backing joint filler between vertical concrete and brick surfaces</u>				
11	m	1 425		
<u>Expansion joints with 10mm thick polystyrene backing joint filler between vertical concrete surfaces, including necessary formwork</u>				
12	m	908		
<u>Saw-cut joints</u>				
13	m	908		
<u>REINFORCEMENT (PROVISIONAL) (CPAP WORK GROUP NO. 114)</u>				
<u>Provision for mild steel and high tensile steel reinforcement</u>				
14	Tonnes	19		
15	Tonnes	13		
<u>Fabric reinforcement</u>				
16	m ²	2 274		
Carried to Collection			R	
Bill No. 2 Concrete, Formwork And Reinforcement				

Amount

BILL NO. 2
CONCRETE, FORMWORK AND REINFORCEMENT
COLLECTION

Page No

Brought Forward from Page

6
7
8
9
10
11

Carried to Summary

R

Unit Quantity Rate Amount

BILL NO. 3
MASONRY

(CPAP WORK GROUP NO. 118 UNLESS OTHERWISE STATED)

The bidder is referred to the relevant clauses in the KZN Department of Health Standard Preambles to all Trades Rev 3 - January 2009 (available on request), to the Architectural and Structural/Civil Engineering specifications documents, to the drawings (which are to be read in conjunction with the architectural specification), and to all general and project-specific specifications as contained in the complete Bid Documents. Bidders are thus urged to study these documents as rates will be deemed to be inclusive of all requirements as included in same. Further, should any discrepancy be noted between these Bills of Quantities and the Specifications, the Specifications shall take precedence.

Further to the above, Bidders are to note that the latest edition of SANS 10400, current at the time of the tender will form part of the specifications to this contract and as such, pricing shall be deemed to include for complete conformance in all respects to the requirements of SANS 10400.

SUPPLEMENTARY PREAMBLES

Working at Heights

Bidders are to note that the work to be undertaken will require all necessary scaffolding, due to the heights of the structures to be constructed/alterd. Bidders are to therefore price accordingly as rates will be deemed to include for same and no further claims in regard to all necessary scaffolding in the completion of the scope of works will be entertained.

Carried to Collection

R

Bill No. 3
 Masonry

	Unit	Quantity	Rate	Amount
<u>BRICKWORK IN SUPERSTRUCTURE</u>				
<u>Brickwork of NFX bricks (14 MPa nominal compressive strength) in class II mortar</u>				
4	L-shaped piers	m ³	12	
5	Piers	m ³	10	
6	Half brick walls	m ²	1 985	
7	One brick walls	m ²	3 868	
8	One brick walls in beam filling	m ²	144	
<u>MORTAR TESTING</u>				
<u>Mortar testing to SANS</u>				
9	Compressive strength 62 tests (Provisional)	No	80	
<u>BRICKWORK SUNDRIES</u>				
<u>Brickwork reinforcement</u>				
10	75mm Wide reinforcement built in horizontally	m	6 536	
11	150mm Wide reinforcement built in horizontally	m	13 842	
<u>Prestressed fabricated concrete lintels including necessary temporary supports</u>				
12	110 x 75mm Lintels in lengths not exceeding 3m	m	526	
<u>Turning pieces to lintels etc</u>				
13	110mm Wide turning pieces	m	526	
<u>Galvanised hoop iron cramps, ties, etc</u>				
14	30 x 1,2mm Wall tie 660mm long each end built into brickwork at abutting ends of walls at movement joints including holing joint filler board	No	136	
15	30 x 1,6mm Roof tie 1,5m long with one end built into brickwork and other end fixed to timber	No	414	
<u>Air bricks etc</u>				
16	229 x 76mm Clay vermin proof air brick	No	156	
<u>FACE BRICKWORK</u>				
<u>"Corobrik Firelight Satin FBX" or other approved face bricks in stack bond pointed with recessed horizontal and vertical joints</u>				
17	Extra over brickwork for face brickwork in foundations (Provisional) (Labour Intensive)	m ²	478	
			Carried to Collection	R
Bill No. 3 Masonry				

Amount

BILL NO. 3
MASONRY
COLLECTION

Page No

Brought Forward from Page

13

14

15

16

Carried to Summary

R

	Unit	Quantity	Rate	Amount
<p><u>BILL NO. 4</u> <u>WATERPROOFING</u></p> <p><u>(CPAP WORK GROUP NO. 120 UNLESS OTHERWISE STATED)</u> <u>WATERPROOFING</u></p> <p>The bidder is referred to the relevant clauses in the KZN Department of Health Standard Preambles to all Trades Rev 3 - January 2009 (available on request), to the Architectural and Structural/Civil Engineering specifications documents, to the drawings (which are to be read in conjunction with the architectural specification), and to all general and project-specific specifications as contained in the complete Bid Documents. Bidders are thus urged to study these documents as rates will be deemed to be inclusive of all requirements as included in same. Further, should any discrepancy be noted between these Bills of Quantities and the Specifications, the Specifications shall take precedence.</p> <p>Further to the above, Bidders are to note that the latest edition of SANS 10400, current at the time of the tender will form part of the specifications to this contract and as such, pricing shall be deemed to include for complete conformance in all respects to the requirements of SANS 10400.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Working at Heights</u></p> <p>Bidders are to note that the work to be undertaken will require all necessary scaffolding, due to the heights of the structures to be constructed/alterd. Bidders are to therefore price accordingly as rates will be deemed to include for same and no further claims in regard to all necessary scaffolding in the completion of the scope of works will be entertained.</p>				
<p style="text-align: right;">Carried to Collection</p> <p>Bill No. 4 Waterproofing</p>			R	

	Unit	Quantity	Rate	Amount
<p><u>Labour Intensive</u></p> <p>Bidders are to note well that specific items within these Bills of Quantities have been designated as LABOUR INTENSIVE by the addition of the words “Labour Intensive” at the end of the description for the said item. Where items have been designated as being LABOUR INTENSIVE as described, pricing shall be deemed to include for the carrying out to completion of said item on site by means and methods that rely predominantly on manual labour. As such, no claims shall be entertained regarding any additional time or monetary costs incurred by the use of LABOUR INTENSIVE methods. Further, the Contractor is to note that contravention of the above i.e. use of mechanised, or other systems to carry out LABOUR INTENSIVE work as hereinafter designated, will be viewed and dealt with in an extremely serious light by the Client, as it remains a national imperative to develop, employ and provide skills through the Expanded Public Works Programme.</p>				
<p><u>Waterproofing</u></p> <p>Waterproofing of roofs, basements, etc shall be laid under a ten year guarantee. Waterproofing to roofs shall be laid to even falls to outlets etc with necessary ridges, hips and valleys. Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs</p>				
<p><u>Proprietary branded products:</u></p> <p>Proprietary branded products are to be applied in strict accordance with the manufacturers instructions. Should the manufacturers instructions be found not to have been followed in any process relating to the product in relation to, but not limited to transportation, application (rates and methodology), treatment of existing surfaces etc., then all liability for such product shall be transferred to the appointed Main Contractor.</p>				
<p><u>DAMP-PROOFING OF WALLS AND FLOORS</u></p>				
<p><u>One layer of 375 micron "Consol Plastics Brickgrip DPC" embossed damp proof course</u></p>				
1	In walls	m ²	200	
<p><u>One layer 250 micron green polyethylene waterproof sheeting (SANS 952-1985 type C) sealed at laps with PVC self-adhesive tape</u></p>				
2	Under surface beds including turn-ups and ground beams	m ²	2 274	
			Carried to Collection	R
<p>Bill No. 4 Waterproofing</p>				

	Unit	Quantity	Rate	Amount
<u>Mapelastic Smart: two-component, cementitious mortar applied to screed. Surface preparation and application as per supplier's recommendation.</u>				
3	In walls	m ²	96	
4	On shower floors	m ²	1	
<u>WATERPROOFING TO ROOFS</u>				
<u>Waterproofing to screeds (elsewhere) on exposed roof slabs comprising of one layer "abe.® Unigum MS" dual reinforced mineral surface waterproofing membrane, fully bonded by means of "torch on fusion", with 100mm side laps and 150mm end laps, all in accordance with manufacturer's Technical Specifications and Applications Manual. All surfaces to be clean dry, sound and free of oils and laitance. Waterproofing to be installed by an Approved Contractor under a ten year guarantee</u>				
5	On roof slabs	m ²	157	
6	Additional membranes, fillets and sealing at turn-ups and turn-downs	m ²	39	
<u>One layer "Bituthene 3000" waterproofing</u>				
7	Sealing edges to brickwork	m	582	
<u>PROTECTIVE ROOFING PAINT</u>				
<u>Two coats "Silvakote" bituminous aluminium paint</u>				
8	On waterproofing to roofs	m ²	157	
<u>Testing</u>				
9	Allow for flood testing of the waterproofing installation	Item		
<u>SEALING STRIPS, JOINT SEALANTS, ETC</u>				
<u>"Bostik" or other approved silicone sealant</u>				
10	Under window cills in accordance with the Architect's drawings and specifications. Note that sealants around windows are included with the windows under metalwork.	m	171	
Carried to Collection			R	
Bill No. 4 Waterproofing				

Amount

BILL NO. 4
WATERPROOFING
COLLECTION

Page No

Brought Forward from Page

18

19

20

Carried to Summary

R

	Unit	Quantity	Rate	Amount
<p><u>BILL NO. 5</u> <u>ROOF COVERINGS</u></p> <p><u>(CPAP WORK GROUP NO. 124 UNLESS OTHERWISE STATED)</u></p> <p><u>ROOF COVERINGS AND CLADDINGS</u></p> <p>The bidder is referred to the relevant clauses in the KZN Department of Health Standard Preambles to all Trades Rev 3 - January 2009 (available on request), to the Architectural and Structural/Civil Engineering specifications documents, to the drawings (which are to be read in conjunction with the architectural specification), and to all general and project-specific specifications as contained in the complete Bid Documents. Bidders are thus urged to study these documents as rates will be deemed to be inclusive of all requirements as included in same. Further, should any discrepancy be noted between these Bills of Quantities and the Specifications, the Specifications shall take precedence.</p> <p>Further to the above, Bidders are to note that the latest edition of SANS 10400, current at the time of the tender will form part of the specifications to this contract and as such, pricing shall be deemed to include for complete conformance in all respects to the requirements of SANS 10400.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Working at Heights</u></p> <p>Bidders are to note that the work to be undertaken will require all necessary scaffolding, due to the heights of the structures to be constructed/alterd. Bidders are to therefore price accordingly as rates will be deemed to include for same and no further claims in regard to all necessary scaffolding in the completion of the scope of works will be entertained.</p>				
<p style="text-align: right;">Carried to Collection</p> <p>Bill No. 5 Roof Coverings</p>			R	

	Unit	Quantity	Rate	Amount
<p><u>Labour Intensive</u></p> <p>Bidders are to note well that specific items within these Bills of Quantities have been designated as LABOUR INTENSIVE by the addition of the words “Labour Intensive” at the end of the description for the said item. Where items have been designated as being LABOUR INTENSIVE as described, pricing shall be deemed to include for the carrying out to completion of said item on site by means and methods that rely predominantly on manual labour. As such, no claims shall be entertained regarding any additional time or monetary costs incurred by the use of LABOUR INTENSIVE methods. Further, the Contractor is to note that contravention of the above i.e. use of mechanised, or other systems to carry out LABOUR INTENSIVE work as hereinafter designated, will be viewed and dealt with in an extremely serious light by the Client, as it remains a national imperative to develop, employ and provide skills through the Expanded Public Works Programme.</p> <p><u>SHEETING</u></p> <p>The roof sheeting shall be double-interlocking concealed-fix “Klip-Lok” or other approved profile rollformed in continuous lengths and cut to length by a pneumatic cut-off process from certified Aluminium grade 9017 Chromodek finish. A certificate verifying compliance shall be issued by the manufacturer - Global Roofing Solutions or other approved. The profile shall be roll-formed with four ribs at centres not exceeding 233mm and a cover width not exceeding 700mm. These will include a male and female rib with capillary action breaks. The male rib shall incorporate spurs spaced no more than 200mm apart to ensure minimum clipping areas on the side lap, and stand proud of the rib for purposes of double interlocking action with adjacent sheets. When interlocked, the minimum sheet depth shall be 41mm. “G.R.S Klip-Lok” or other approved roof sheeting and accessories shall be obtained from an approved supplier</p> <p><u>FINISH FOR "KLIP-LOK 700" OR OTHER APPROVED ROOF SHEETING</u></p> <p>0.6mm G.R.S “KLIP-LOK” or other approved aluminium Grade 9017 with a "Chromodek" finish on one side, and Eagle White paint color finish on other side.</p>				
<p>Carried to Collection</p> <p>Bill No. 5 Roof Coverings</p>			<p>R</p>	

	Unit	Quantity	Rate	Amount
<p><u>FIXING:</u></p> <p>The “G.R.S Klip-Lok” or other approved sheets shall be fixed to every purlin by means of patented KL700 clips having spurs which will securely hold the sheets in position and lock-in the sidelap and both centre ribs. The KL700 clips shall be manufactured from Aluminium and shall be fixed with the appropriate Class 5 Wafer head self-drilling/tapping screws to steel purlins (selection from installation manual).</p> <p><u>"SAFINTRA" OR OTHER APPROVED FLASHINGS</u></p> <p>Flashings specifications shall be to the “Global Roofing Solutions” or other approved standards and fixed to the sheeting with S10 brackets or, sliding brackets at apex where roof sheets are 30m or longer, to obviate any direct fixing perforations. Prior to flashings being fixed, all troughs at the apex shall be stop-ended to the full depth of the sheet in order to prevent any penetration of wind driven water. The trough shall be lipped at the eaves end to form a drip. Transverse flashing flanges shall be notched to the sheet profile where necessary. All these operations must be performed with special tools available from the manufacturer.</p> <p><u>INSTALLATION</u></p> <p>Every precaution shall be taken to prevent damage to roof sheets during all stages of construction. Duck boards should be used when necessary to protect the sheeting from damage. Sheeting which has become deformed or damaged in any way, shall be replaced, at the Contractors cost. Care shall be taken to ensure that no sheeting or flashing will be cut with abrasive disc on roof surfaces in order to prevent steel particles from penetrating coated surfaces.</p> <p><u>SAFETY</u></p> <p>The Contractor shall exercise special care when handling long length sheeting, particularly in windy conditions. Should work be interrupted for any reason, all loose sheeting and incomplete sections must be adequately secured against possible movement by wind and gravity.</p> <p><u>HANDLING AND STORAGE</u></p> <p>The Contractor shall ensure that all materials used on site for roofing/cladding, be transported, handled and stored in accordance with the manufacturer's recommendations. Material damaged shall be rejected and replaced with undamaged material at the Contractor's expense. Repair of damaged material will not generally be permitted. Rates are to include for preventing damage and protecting sheets through all stages of construction.</p>				
<p style="text-align: right;">Carried to Collection</p> <p>Bill No. 5 Roof Coverings</p>			R	

	Unit	Quantity	Rate	Amount
<p><u>INSPECTION PRIOR TO INSTALLATION</u></p> <p>Before commencing installation, the Contractor shall verify that the following items have been checked and replaced:</p> <p>a. The entire structure or the portion thereof to be sheeted has been correctly aligned, levelled and grouted.</p> <p>b. Purlins and girts are at the correct spacing and are within the specified tolerances.</p> <p>c. The corners of the roof are square and the wall framework is perpendicular or as specified.</p> <p>d. No protrusions such as bolt heads, splice plates, cleats, etc. should appear on the face of the framework.</p> <p>e. All members to which roofing and cladding are to be fixed in aesthetically sensitive areas are true and square.</p> <p>f. Paint and any other materials that may be incompatible with the sheeting, have been painted over or, so dealt with that direct contact with the sheeting is avoided.</p> <p>g. The contact faces between the purlins or the girts and the cladding are in the same plane. Should the alignment be inadequate, the Contractor shall request instructions from the engineer before proceeding with the fixing of the cladding.</p> <p><u>PROTRUSION THROUGH SHEETED SURFACES</u></p> <p>Protrusions such as pipes, ducts and the like, shall be adequately flashed where they pass through the sheeting surface. Where ribs have to be cut away to permit penetration, additional framing is to be installed as required to support the sheeting. Depending on the position of the penetration through the roof, special attention shall be given to back flashing the sheeting to the ridge or point of water entry. In all cases, all cutting and flashings shall be so arranged that adequate provision is made for the drainage of all troughs and corrugations.</p> <p><u>GUARANTEE</u></p> <p>The manufacturer shall comply with ISO 9001: 2008 Quality Management System. "KLIP-LOK 700" or other approved sheeting shall be laid in strict accordance with the manufacturer's specifications by a "GRS" or other approved contractor. A written and approved five year guarantee of water-tightness shall be issued after approval of roofs by the manufacturer</p>				
<p style="text-align: right;">Carried to Collection</p> <p>Bill No. 5 Roof Coverings</p>			R	

		Unit	Quantity	Rate	Amount
<u>CLEANING OF ROOF, ETC.</u>					
<u>All debris, swarf, etc arising from the fixing of the cladding shall be removed from the sheeting as the fixing progresses. In addition, off-cuts of insulation, surplus fasteners, sealants, mandrels from pop rivets, off-cuts of sheeting, surplus flashing, food packaging, cartons, bottles, cans, etc shall not be left on the roof or in the gutters. Care shall be taken to ensure that no such material enters, blocks or partially impedes the flow of water into the outlets, down pipes, etc.</u>					
<u>PROFILED METAL SHEETING AND ACCESSORIES</u>					
<u>0.6mm "Kliplok 700" galvanised sheeting with a "Chromodek" finish on one side, and Eagle White paint color finish on other side, fixed with approved fixings to purlins, all complete and in accordance with the manufacturer's recommendations.</u>					
1	Roof covering with pitches not exceeding 25 degrees	m ²	3 236		
2	Side wall flashings 462mm girth two times bent and notched on site to suit roof profile. (Labour Intensive)	m	88		
3	Cover flashings 462mm girth two times bent and notched on site to suit roof profile. (Labour Intensive)	m	15		
4	Apex flashings 462mm girth three times bent and notched on site to suit roof profile. (Labour Intensive)	m	270		
5	Roll-top type ridge cappings 462mm girth, including dressing edges into corrugations of roof covering on both sides	m	270		
6	Valley gutters (inverted roll-top ridge capping) 462mm girth	m	55		
7	Sondor corrugated pattern polycloser under ridge capping and beam filling. (Labour Intensive)	m	283		
8	Extra over roof sheet for fixing every crown at eaves. (Labour Intensive)	m	532		
9	Extra over roof sheet for fixing every crown at ridge. (Labour Intensive)	m	532		
<u>ROOF AND WALL INSULATION</u>					
<u>4mm Alucushion foil/white sheeting on timber purlins in accordance with SANS, applied in strict accordance with manufacturers instructions:</u>					
10	Insulation sheeting laid taut over purlins including straining wires, etc.	m ²	3 236		
Carried to Collection				R	
Bill No. 5 Roof Coverings					

Amount

BILL NO. 5
ROOF COVERINGS
COLLECTION

Page No

Brought Forward from Page

22

23

24

25

26

Carried to Summary

R

	Unit	Quantity	Rate	Amount
<p><u>BILL NO. 6</u> <u>CARPENTRY AND JOINERY</u></p> <p><u>(CPAP WORK GROUP NO. 126 UNLESS OTHERWISE STATED)</u> <u>CARPENTRY AND JOINERY</u></p> <p>The bidder is referred to the relevant clauses in the KZN Department of Health Standard Preambles to all Trades Rev 3 - January 2009 (available on request), to the Architectural and Structural/Civil Engineering specifications documents, to the drawings (which are to be read in conjunction with the architectural specification), and to all general and project-specific specifications as contained in the complete Bid Documents. Bidders are thus urged to study these documents as rates will be deemed to be inclusive of all requirements as included in same. Further, should any discrepancy be noted between these Bills of Quantities and the Specifications, the Specifications shall take precedence.</p> <p>Further to the above, Bidders are to note that the latest edition of SANS 10400, current at the time of the tender will form part of the specifications to this contract and as such, pricing shall be deemed to include for complete conformance in all respects to the requirements of SANS 10400.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Working at Heights</u></p> <p>Bidders are to note that the work to be undertaken will require all necessary scaffolding, due to the heights of the structures to be constructed/altered. Bidders are to therefore price accordingly as rates will be deemed to include for same and no further claims in regard to all necessary scaffolding in the completion of the scope of works will be entertained.</p>				
Carried to Collection			R	
<p>Bill No. 6 Carpentry And Joinery</p>				

	Unit	Quantity	Rate	Amount
<p><u>Labour Intensive</u></p> <p>Bidders are to note well that specific items within these Bills of Quantities have been designated as LABOUR INTENSIVE by the addition of the words “Labour Intensive” at the end of the description for the said item. Where items have been designated as being LABOUR INTENSIVE as described, pricing shall be deemed to include for the carrying out to completion of said item on site by means and methods that rely predominantly on manual labour. As such, no claims shall be entertained regarding any additional time or monetary costs incurred by the use of LABOUR INTENSIVE methods. Further, the Contractor is to note that contravention of the above i.e. use of mechanised, or other systems to carry out LABOUR INTENSIVE work as hereinafter designated, will be viewed and dealt with in an extremely serious light by the Client, as it remains a national imperative to develop, employ and provide skills through the Expanded Public Works Programme.</p> <p><u>Fixing</u></p> <p>Items described as nailed shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete</p> <p>Items described as plugged shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as bolted, the bolts have been given elsewhere</p> <p><u>NOTE: The following is applicable in respect of roof trusses:</u></p> <p>The Contractor shall allow for items deemed necessary for the proper design, fabrication and erection of the roof trusses, bracing, etc.</p> <p>The materials and design of the roof construction shall be in accordance with the relevant edition of the South African National Standards and Standard Building Regulations (SBR).</p> <p>The design of trusses and permanent bracing shall be carried out under the control of registered professional engineer who shall provide the requisite certificate of stability on completion of the roof construction. All calculations and drawings, including a key plan of each building showing the position of each type of member shall be submitted timeously to the consulting Structural Engineer for his approval before fabrication is commenced.</p> <p>Prices are to include for the provision of adequate temporary bracing during construction to the approval of Consulting Structural Engineer.</p>				
<p style="text-align: right;">Carried to Collection</p> <p>Bill No. 6 Carpentry And Joinery</p>			R	

	Unit	Quantity	Rate	Amount
<p>The dimensions in the descriptions of the trusses are nominal and actual measurements are to be obtained from the architect and/or the site before fabrication commences.</p>				
<p><u>PRETREATMENT OF TIMBER</u></p>				
<p>This service falls within the areas defined in the National Building Regulations for Treatment of timber against insect pest affecting softwood fixed permanently in all buildings.</p>				
<p>The Regulations require that timber be treated in terms of SANS as relevant. Bidders are to make allowance in their rates.</p>				
<p><u>ROOF CONSTRUCTION</u></p>				
<p><u>DESIGN, SUPPLY AND INSTALLATION OF TIMBER ROOF TRUSSES</u></p>				
<p>The Bidder must allow for all items deemed necessary for the proper design, fabrication and erection of roof trusses, bracing, etc.</p>				
<p>All timber roof trusses including nail-plated trusses and bolted trusses with lapped members must comply with SANS. Roof coverings are 0,80mm thick "Klip-Tite" sheets and the ceilings, are of both nailed up and suspended construction type. Roof ties, concrete supports, roof coverings, battens, fascias, ceilings, brandering, flashings, rainwater goods, etc., are all elsewhere measured. Prices for roof trusses are to include for all permanent and temporary bracing and supports, and for all necessary top and bottom chord bracing, wind bracing and runners, where required.</p>				
<p>Roof coverings are 0.80mm thick "Kilp-Tite" aluminium sheets and ceilings, where applicable are 600 x 600mm suspended ceiling tiles or gypsum plasterboard.</p>				
<p>Bidders are to note that should there be any doubt or obscurity as to the meaning and intent of any descriptions, the Bidder must have same rectified with the Architect and allow for accordingly in his/her Bid. The Bidder is to include in the rates for all that he/she considers necessary for the proper design, construction, erection and structural stability certification.</p>				
<p><u>Joinery</u></p>				
<p>Descriptions of frames shall be deemed to include frames, transomes and rails</p>				
<p>Descriptions of hardwood joinery shall be deemed to include sinking and pelleting heads and nuts of bolts</p>				
<p><u>Fire doors</u></p>				
<p>Fire doors are to be in accordance with SANS 1253</p>				
<p style="text-align: right;">Carried to Collection</p>			R	
<p>Bill No. 6 Carpentry And Joinery</p>				

	Unit	Quantity	Rate	Amount
<u>STRUCTURAL TIMBERWORK ETC</u>				
<u>SA Pine or other approved</u>				
1	m	111		
<u>PREFABRICATED ROOF TRUSSES, ETC.</u>				
<u>The following in plate nailed timber roof trusses with pitch not exceeding 25 degrees from an approved supplier, delivered to site, hoisted into position, fixed and braced on timber wall plates to SANS 10400:</u>				
2	No	1		
3	No	1		
4	No	1		
Carried to Collection			R	
Bill No. 6 Carpentry And Joinery				

		Unit	Quantity	Rate	Amount
5	Design, supply and install double pitched hipped roof truss system for interlocking building area size approximately 14 531mm x 13 830mm wide extreme, including openings, complete in accordance with the relevant part of the most current edition of SANS, including cross battens at hips, valleys etc. fixed to trusses with and including ring shank nails, valley rafters, temporary and permanent bracing, etc. all in accordance with the engineers specifications (measured flat on plan 200.96m2)	No	1		
6	Design, supply and install mono pitched roof truss system for interlocking building area size approximately 5 100mm x 3 400mm wide extreme, including openings, complete in accordance with the relevant part of the most current edition of SANS, including cross battens at hips, valleys etc. fixed to trusses with and including ring shank nails, valley rafters, temporary and permanent bracing, etc. all in accordance with the engineers specifications (measured flat on plan 17.34m2)	No	1		
7	Design, supply and install mono pitched roof truss system for interlocking building area size approximately 14 970mm x 3 400mm wide extreme, including openings, complete in accordance with the relevant part of the most current edition of SANS, including cross battens at hips, valleys etc. fixed to trusses with and including ring shank nails, valley rafters, temporary and permanent bracing, etc. all in accordance with the engineers specifications (measured flat on plan 50.90m2)	No	1		
8	Design, supply and install double pitched hipped roof truss system for interlocking building area size approximately 16 230mm x 15 250mm wide extreme, including openings, complete in accordance with the relevant part of the most current edition of SANS, including cross battens at hips, valleys etc. fixed to trusses with and including ring shank nails, valley rafters, temporary and permanent bracing, etc. all in accordance with the engineers specifications (measured flat on plan 247.51m2)	No	1		
9	Design, supply and install double pitched hipped roof truss system for interlocking building area size approximately 16 230mm x 10 630mm wide extreme, including openings, complete in accordance with the relevant part of the most current edition of SANS, including cross battens at hips, valleys etc. fixed to trusses with and including ring shank nails, valley rafters, temporary and permanent bracing, etc. all in accordance with the engineers specifications (measured flat on plan 172.52m2)	No	4		
Carried to Collection					
				R	
Bill No. 6 Carpentry And Joinery					

		Unit	Quantity	Rate	Amount
10	Design, supply and install double pitched hipped roof truss system for interlocking building area size approximately 5 100mm x 4 500mm wide extreme, including openings, complete in accordance with the relevant part of the most current edition of SANS, including cross battens at hips, valleys etc. fixed to trusses with and including ring shank nails, valley rafters, temporary and permanent bracing, etc. all in accordance with the engineers specifications (measured flat on plan 22.95m2)	No	1		
11	Design, supply and install double pitched hipped roof truss system for interlocking building area size approximately 13 809mm x 9 687mm wide extreme, including openings, complete in accordance with the relevant part of the most current edition of SANS, including cross battens at hips, valleys etc. fixed to trusses with and including ring shank nails, valley rafters, temporary and permanent bracing, etc. all in accordance with the engineers specifications (measured flat on plan 133.82m2)	No	2		
12	Design, supply and install double pitched hipped roof truss system for interlocking building area size approximately 7 997mm x 4 230mm wide extreme, including openings, complete in accordance with the relevant part of the most current edition of SANS, including cross battens at hips, valleys etc. fixed to trusses with and including ring shank nails, valley rafters, temporary and permanent bracing, etc. all in accordance with the engineers specifications (measured flat on plan 33.83m2)	No	2		
13	Design, supply and install double pitched hipped roof truss system for interlocking building area size approximately 13 200mm x 7 230mm wide extreme, including openings, complete in accordance with the relevant part of the most current edition of SANS, including cross battens at hips, valleys etc. fixed to trusses with and including ring shank nails, valley rafters, temporary and permanent bracing, etc. all in accordance with the engineers specifications (measured flat on plan 95.44m2)	No	1		
Carried to Collection				R	
Bill No. 6 Carpentry And Joinery					

		Unit	Quantity	Rate	Amount
14	Extra over design, supply and install roof truss system for hips and valleys at different pitch orientation building area size approximately 4 200mm x 2 000mm wide extreme, including openings, complete in accordance with the relevant part of the most current edition of SANS, including cross battens at hips, valleys etc. fixed to trusses with and including ring shank nails, valley rafters, temporary and permanent bracing, etc. all in accordance with the engineers specifications (measured flat on plan 8.40m2)	No	1		
15	Extra over design, supply and install roof truss system for hips and valleys at different pitch orientation building area size approximately 9 030mm x 4 600mm wide extreme, including openings, complete in accordance with the relevant part of the most current edition of SANS, including cross battens at hips, valleys etc. fixed to trusses with and including ring shank nails, valley rafters, temporary and permanent bracing, etc. all in accordance with the engineers specifications (measured flat on plan 41.54m2)	No	1		
16	Extra over design, supply and install roof truss system for hips and valleys at different pitch orientation building area size approximately 6 630mm x 3 300mm wide extreme, including openings, complete in accordance with the relevant part of the most current edition of SANS, including cross battens at hips, valleys etc. fixed to trusses with and including ring shank nails, valley rafters, temporary and permanent bracing, etc. all in accordance with the engineers specifications (measured flat on plan 21.88m2)	No	1		
17	Extra over design, supply and install roof truss system for hips and valleys at different pitch orientation building area size approximately 5 430mm x 2 400mm wide extreme, including openings, complete in accordance with the relevant part of the most current edition of SANS, including cross battens at hips, valleys etc. fixed to trusses with and including ring shank nails, valley rafters, temporary and permanent bracing, etc. all in accordance with the engineers specifications (measured flat on plan 13.03m2)	No	1		
Carried to Collection				R	
Bill No. 6 Carpentry And Joinery					

		Unit	Quantity	Rate	Amount
18	Extra over design, supply and install roof truss system for hips and valleys at different pitch orientation building area size approximately 7 230mm x 3 700mm wide extreme, including openings, complete in accordance with the relevant part of the most current edition of SANS, including cross battens at hips, valleys etc. fixed to trusses with and including ring shank nails, valley rafters, temporary and permanent bracing, etc. all in accordance with the engineers specifications (measured flat on plan 26.75m2)	No	1		
	<u>The following certificates are required for timber roofs:</u>				
19	Provide manufacturing and installation certificates (TR1 and TR2), to be supplied by the contractor and approved by the Consulting Structural Engineer after manufacture and installation respectively	Item			
	<u>Sawn softwood</u>				
20	25 x 304mm Valley boarding	m	55		
21	38 x 114mm Wall plates	m	424		
22	50 x 75mm Purlins	m	2 630		
	<u>EAVES, VERGES, ETC</u>				
	<u>"Everite Nutec" or other approved medium density plain fibre-cement fascias and barge boards</u>				
23	12 x 225mm Medium density fascia board including galvanised H-profile jointing strips tide with and including hot dipped galvanised screws and washers	m	468		
24	80 x 200mm Medium density barge board including galvanised H-profile jointing strips tide with and including hot dipped galvanised screws and washers	m	331		
	<u>DOORS</u>				
	<u>Drawings:</u>				
	Tenderers are to note that where descriptions include reference drawings which form part of the tender documentation, notwithstanding anything contained in the description, tenderers are to price these items in accordance with the drawings. Further, the onus is on the tenderer to ensure that all relevant drawings referenced in the Bills of Quantities are included in the tender documents. No further time or monetary claims resulting from any of the above will be entertained.				
	Carried to Collection				R
	Bill No. 6				
	Carpentry And Joinery				

	Unit	Quantity	Rate	Amount
<u>Timber Doors</u>				
The tenderers are referred to the Architectural drawing No. 23002 - TD401, when pricing the following doors.				
<u>Timber solid core flush panel door hung to steel frames</u>				
25	D2/D18 - 813x2032x40mm solid core timber single door with and including 250 x 500mm viewing panel and 300mm high stainless steel cladding ready to receive ironmongery and painting (measured elsewhere), complete	No	7	
26	D3/D20 - 813x2032x40mm solid core timber single door ready to receive ironmongery and painting (measured elsewhere), complete	No	38	
27	D4 - 813x2032x40mm solid core timber single door with and including a 150mm undercut ready to receive ironmongery and painting (measured elsewhere), complete	No	10	
28	D6/D10/D16 - 813x2032x40mm solid core timber single door with and including a 300mm high stainless steel cladding ready to receive ironmongery and painting (measured elsewhere), complete	No	21	
29	D7/D11 - 930x2032x40mm solid core timber single door with and including a 300mm high stainless steel cladding ready to receive ironmongery and painting (measured elsewhere), complete	No	5	
30	D9/D14 - 1260x2032x40mm solid core timber double swing door with and including 250 x 500mm safety glass viewing panel ready to receive ironmongery and painting (measured elsewhere), complete	No	15	
31	D13 - 813x2032x40mm solid core timber single door with and including 250 x 500mm viewing panel ready to receive ironmongery and painting (measured elsewhere), complete	No	1	
32	D15/D17 - 813x2032x40mm solid core timber single door with and including a 900mm high stainless steel cladding ready to receive ironmongery and painting (measured elsewhere), complete	No	16	
33	D19 - 1710x2032x40mm solid core timber double door with and including 250 x 500mm safety glass viewing panel ready to receive ironmongery and painting (measured elsewhere), complete	No	1	
Carried to Collection			R	
Bill No. 6 Carpentry And Joinery				

		Unit	Quantity	Rate	Amount
<p><u>Purpose made solid timber door with and including Galvanised Mild Steel 1.6mm thick faced both sides and edged all round welded and constructed to the Architect's approval and including hanging the door to steel frame (elsewhere) ready to receive ironmongery (elsewhere), complete</u></p>					
34	FCD - 950x1200x40mm cupboard double door ready to receive ironmongery and painting (elsewhere), complete	No	4		
35	BCD - 1250x2100x40mm cupboard double door ready to receive ironmongery and painting (elsewhere), complete	No	4		
<p><u>FITTINGS</u></p>					
<p><u>Kitchen floor and wall cupboards</u></p>					
36	32mm Post formed worktop (colour: Astral Graphite, code: 518 FK) sink unit with and including Squareline profile on 1 long edge, overall size 2 170 long x 625mm deep x 875mm high with 2no. 22mm melamine faced cupboard doors with high impact edging all round with rust-proof concealed self closing hinges, including 1 No. 22mm laminated SA pine shelving on M1950H white mounting brackets and 3no. 22mm melamine faced drawers hung on epoxy coated mild steel runners and girders and with brushed aluminium handles, including cut-out for sink approximately 1200mm x 500mm wide (sink elsewhere measured), with and including 50mm diameter x 100mm high aluminium cabinet legs all as per drawing number 23002-TD500 (Kitchen), appended elsewhere in this Bid document.	No	2		
37	32mm Post formed worktop (colour: Astral Graphite, code: 518 FK) sink unit with and including Squareline profile on 1 long edge, overall size 2 770 long x 622mm deep x 875mm high with 4no. 22mm melamine faced cupboard doors with high impact edging all round with rust-proof concealed self closing hinges, including 1 No. 22mm laminated SA pine shelving on M1950H white mounting brackets and 3no. 22mm melamine faced drawers hung on epoxy coated mild steel runners and girders and with brushed aluminium handles, including cut-out for sink approximately 1200mm x 500mm wide (sink elsewhere measured), with and including 50mm diameter x 100mm high aluminium cabinet legs all as per drawing number 23002-TD500 (Cleaners Room), appended elsewhere in this Bid document.	No	1		
Carried to Collection					
				R	
<p>Bill No. 6 Carpentry And Joinery</p>					

		Unit	Quantity	Rate	Amount
38	32mm Post formed worktop (colour: Astral Graphite, code: 518 FK) sink unit with and including Squareline profile on 1 long edge, overall size 3 370 long x 622mm deep x 875mm high with 4no. 22mm melamine faced cupboard doors with high impact edging all round with rust-proof concealed self closing hinges, including 1 No. 22mm laminated SA pine shelving on M1950H white mounting brackets and 3no. 22mm melamine faced drawers hung on epoxy coated mild steel runners and girders and with brushed aluminium handles, including cut-out for sink approximately 1200mm x 500mm wide (sink elsewhere measured), with and including 50mm diameter x 100mm high aluminium cabinet legs all as per drawing number 23002-TD500 (Kitchenette), appended elsewhere in this Bid document.	No	1		
39	32mm Post formed worktop (colour: Astral Graphite, code: 518 FK) sink unit with and including Squareline profile on 1 long edge, overall size 3 370 long x 622mm deep x 875mm high with 4no. 22mm melamine faced cupboard doors with high impact edging all round with rust-proof concealed self closing hinges, including 1 No. 22mm laminated SA pine shelving on M1950H white mounting brackets and 3no. 22mm melamine faced drawers hung on epoxy coated mild steel runners and girders and with brushed aluminium handles, including cut-out for sink approximately 1200mm x 500mm wide (sink elsewhere measured), with and including 50mm diameter x 100mm high aluminium cabinet legs all as per drawing number 23002-TD500 (Procedure Room), appended elsewhere in this Bid document.	No	1		
40	32mm Post formed worktop (colour: Astral Graphite, code: 518 FK) sink unit with and including Squareline profile on 1 long edge, overall size 3 370 long x 622mm deep x 875mm high with 4no. 22mm melamine faced cupboard doors with high impact edging all round with rust-proof concealed self closing hinges, including 1 No. 22mm laminated SA pine shelving on M1950H white mounting brackets and 3no. 22mm melamine faced drawers hung on epoxy coated mild steel runners and girders and with brushed aluminium handles, including cut-out for sink approximately 1200mm x 500mm wide (sink elsewhere measured), with and including 50mm diameter x 100mm high aluminium cabinet legs all as per drawing number 23002-TD500 (Emergency Room), appended elsewhere in this Bid document.	No	1		
Carried to Collection					
				R	
Bill No. 6 Carpentry And Joinery					

		Unit	Quantity	Rate	Amount
41	32mm Post formed worktop (colour: Astral Graphite, code: 518 FK) sink unit with and including Squareline profile on 1 long edge, overall size 2 583 long x 622mm deep x 875mm high with 4no. 22mm melamine faced cupboard doors with high impact edging all round with rust-proof concealed self closing hinges, including 1 No. 22mm laminated SA pine shelving on M1950H white mounting brackets and 3no. 22mm melamine faced drawers hung on epoxy coated mild steel runners and girders and with brushed aluminium handles, including cut-out for sink approximately 1200mm x 500mm wide (sink elsewhere measured), with and including 50mm diameter x 100mm high aluminium cabinet legs all as per drawing number 23002-TD500 (Urine Test), appended elsewhere in this Bid document.	No	1		
	<u>Counter tops, desks and tables</u>				
42	32mm Post formed worktop (colour: Astral Graphite, code: 518 FK) work station unit overall size approximately 3 070 x 720mm wide x 750mm high with and including Squareline profile on 1 long edge, consisting of a high pressure laminate bonded to a particle board substrate and brown melamine backer on one side, floor mounted worktop with 2no. drawer sets of 4No. 22mm melamine faced drawer doors with high impact edging all round overall size 406mm long x 600mm deep x 718mm high including 2no. open spaces for chairs (elsewhere measured), with and including 80mm diameter x 710mm high table legs fixed with countersunk stainless steel screws with aluminium leg adjuster all as per drawing number 23002-TD500 (Control Room, CCMDD, Reception), appended elsewhere in this Bid document.	No	3		
43	32mm Post formed worktop (colour: Astral Graphite, code: 518 FK) work station unit overall size approximately 3 267 x 600mm wide x 750mm high with and including Squareline profile on 1 long edge, consisting of a high pressure laminate bonded to a particle board substrate and brown melamine backer on one side, floor mounted worktop with 2no. drawer sets of 4No. 22mm melamine faced drawer doors with high impact edging all round overall size 406mm long x 600mm deep x 718mm high including 3no. open spaces for chairs (elsewhere measured), with and including 80mm diameter x 710mm high table legs fixed with countersunk stainless steel screws with aluminium leg adjuster all as per drawing number 23002-TD500 (Security Guards), appended elsewhere in this Bid document.	No	1		
	Carried to Collection			R	
	Bill No. 6 Carpentry And Joinery				

		Unit	Quantity	Rate	Amount
44	32mm Post formed worktop (colour: Astral Graphite, code: 518 FK) work station unit overall size approximately 2 400 x 600mm wide x 750mm high with and including Squareline profile on 1 long edge, consisting of a high pressure laminate bonded to a particle board substrate and brown melamine backer on one side, floor mounted worktop with 2no. drawer sets of 4No. 22mm melamine faced drawer doors with high impact edging all round overall size 406mm long x 600mm deep x 718mm high including 3no. open spaces for chairs (elsewhere measured), with and including 80mm diameter x 710mm high table legs fixed with countersunk stainless steel screws with aluminium leg adjuster all as per drawing number 23002-TD500 (Search Room), appended elsewhere in this Bid document.	No	1		
45	32mm Post formed (colour: Astral Graphite, code: 518 FK) worktop unit overall size approximately 1 410 x 600mm wide x 750mm high with Squareline profile on 1 long edge, consisting of a high pressure laminate bonded to a particleboard substrate with brown melamine backer on one side, and including 16 x 70mm melamine runner fixed to wall with recessed screws and plastic wall plugs fixed at 600mm centres, with and including 80mm diameter x 710mm high table legs fixed with countersunk stainless steel screws with aluminium leg adjuster all as per drawing number 23002-TD500 (HMC), appended elsewhere in this Bid document.	No	1		
46	32mm Post formed (colour: Astral Graphite, code: 518 FK) worktop unit overall size approximately 1 573 x 600mm wide x 750mm high with Squareline profile on 1 long edge, consisting of a high pressure laminate bonded to a particleboard substrate with brown melamine backer on one side, and including 16 x 70mm melamine runner fixed to wall with recessed screws and plastic wall plugs fixed at 600mm centres, with and including 80mm diameter x 710mm high table legs fixed with countersunk stainless steel screws with aluminium leg adjuster all as per drawing number 23002-TD500 (Vitals), appended elsewhere in this Bid document.	No	2		
Carried to Collection					
				R	
Bill No. 6 Carpentry And Joinery					

		Unit	Quantity	Rate	Amount
47	32mm Post formed (colour: Astral Graphite, code: 518 FK) worktop unit overall size approximately 1 685 x 600mm wide x 750mm high with Squareline profile on 1 long edge, consisting of a high pressure laminate bonded to a particleboard substrate with brown melamine backer on one side, and including 16 x 70mm melamine runner fixed to wall with recessed screws and plastic wall plugs fixed at 600mm centres, with and including 80mm diameter x 710mm high table legs fixed with countersunk stainless steel screws with aluminium leg adjuster all as per drawing number 23002-TD500 (Vitals), appended elsewhere in this Bid document.	No	1		
48	32mm Post formed (colour: Astral Graphite, code: 518 FK) worktop unit overall size approximately 1 500 x 600mm wide x 750mm high with Squareline profile on 1 long edge, consisting of a high pressure laminate bonded to a particleboard substrate with brown melamine backer on one side, and including 16 x 70mm melamine runner fixed to wall with recessed screws and plastic wall plugs fixed at 600mm centres, with and including 80mm diameter x 710mm high table legs fixed with countersunk stainless steel screws with aluminium leg adjuster all as per architects detail (Security Reception & Search), appended elsewhere in this Bid document.	No	1		
<u>PINNING BOARDS</u>					
<u>"Flortime Premier" pinning boards</u>					
49	9mm Pinning board 594 x 841mm high nailed to plastered walls	No	8		
50	1200 x 1000mm high white notice board nailed to plastered walls	No	8		
<u>BUDGETARY ALLOWANCES</u>					
<u>Joinery fittings</u>					
51	Allow the amount of R 150'000.00 for joinery fittings to be expended as the Principal Agent may direct or deduct in whole or in part, if not required.	Item			150 000 00
<u>Loose furniture</u>					
52	Allow the amount of R 315'000.00 for loose furniture to be expended as the Principal Agent may direct or deduct in whole or in part, if not required.	Item			315 000 00
				R	
Carried to Collection					
Bill No. 6 Carpentry And Joinery					

Amount

BILL NO. 6
CARPENTRY AND JOINERY
COLLECTION

Page No

Brought Forward from Page

28

29

30

31

32

33

34

35

36

37

38

39

40

41

Carried to Summary

R

Unit Quantity Rate Amount

BILL NO. 7
CEILING PARTITIONS AND ACCESS FLOORING

(CPAP WORK GROUP NO. 129 UNLESS OTHERWISE STATED)

The bidder is referred to the relevant clauses in the KZN Department of Health Standard Preambles to all Trades Rev 3 - January 2009 (available on request), to the Architectural and Structural/Civil Engineering specifications documents, to the drawings (which are to be read in conjunction with the architectural specification), and to all general and project-specific specifications as contained in the complete Bid Documents. Bidders are thus urged to study these documents as rates will be deemed to be inclusive of all requirements as included in same. Further, should any discrepancy be noted between these Bills of Quantities and the Specifications, the Specifications shall take precedence.

Further to the above, Bidders are to note that the latest edition of SANS 10400, current at the time of the tender will form part of the specifications to this contract and as such, pricing shall be deemed to include for complete conformance in all respects to the requirements of SANS 10400.

SUPPLEMENTARY PREAMBLES

Working at Heights

Bidders are to note that the work to be undertaken will require all necessary scaffolding, due to the heights of the structures to be constructed/alterd. Bidders are to therefore price accordingly as rates will be deemed to include for same and no further claims in regard to all necessary scaffolding in the completion of the scope of works will be entertained.

Carried to Collection

R

Bill No. 7
 Ceilings Partitions And Access Flooring

	Unit	Quantity	Rate	Amount
<p><u>Labour Intensive</u></p> <p>Bidders are to note well that specific items within these Bills of Quantities have been designated as LABOUR INTENSIVE by the addition of the words “Labour Intensive” at the end of the description for the said item. Where items have been designated as being LABOUR INTENSIVE as described, pricing shall be deemed to include for the carrying out to completion of said item on site by means and methods that rely predominantly on manual labour. As such, no claims shall be entertained regarding any additional time or monetary costs incurred by the use of LABOUR INTENSIVE methods. Further, the Contractor is to note that contravention of the above i.e. use of mechanised, or other systems to carry out LABOUR INTENSIVE work as hereinafter designated, will be viewed and dealt with in an extremely serious light by the Client, as it remains a national imperative to develop, employ and provide skills through the Expanded Public Works Programme.</p> <p><u>Fixing</u></p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete</p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere</p> <p><u>Ceilings</u></p> <p>Unless otherwise described ceilings shall be deemed to be horizontal</p> <p><u>Bulkheads</u></p> <p>Bulkheads are defined as those portions of ceilings which are stepped down from the general ceiling level in a particular room or area and which generally occur along the perimeter. Their purpose is either to conceal services or to create architectural features</p> <p>Unless otherwise described bulkheads shall be deemed to be horizontal along the length</p> <p><u>Steel components</u></p> <p>All steel components for ceilings, partitions are to be galvanised in accordance with SANS 121</p>				
<p style="text-align: right;">Carried to Collection</p> <p>Bill No. 7 Ceilings Partitions And Access Flooring</p>			R	

Unit Quantity Rate Amount

BUDGETARY ALLOWANCES

Specialist bulkheads

7 Allow the amount of R 100 000.00 (One hundred thousand rand) for bulkhead by specialist to be expended as the Principal Agent may direct or deduct in whole or in part, if not required

Item

Carried to Collection

R

Amount

BILL NO. 7

CEILINGS PARTITIONS AND ACCESS FLOORING

COLLECTION

Page No

Brought Forward from Page

43

44

45

46

Carried to Summary

R

Bill No. 7

Ceilings Partitions And Access Flooring

Unit Quantity Rate Amount

BILL NO. 8
FLOOR COVERINGS

(CPAP WORK GROUP NO. 130 UNLESS OTHERWISE STATED)

The bidder is referred to the relevant clauses in the KZN Department of Health Standard Preambles to all Trades Rev 3 - January 2009 (available on request), to the Architectural and Structural/Civil Engineering specifications documents, to the drawings (which are to be read in conjunction with the architectural specification), and to all general and project-specific specifications as contained in the complete Bid Documents. Bidders are thus urged to study these documents as rates will be deemed to be inclusive of all requirements as included in same. Further, should any discrepancy be noted between these Bills of Quantities and the Specifications, the Specifications shall take precedence.

Further to the above, Bidders are to note that the latest edition of SANS 10400, current at the time of the tender will form part of the specifications to this contract and as such, pricing shall be deemed to include for complete conformance in all respects to the requirements of SANS 10400.

FLOOR COVERINGS, WALL LININGS

SUPPLEMENTARY PREAMBLES

Working at Heights

Bidders are to note that the work to be undertaken will require all necessary scaffolding, due to the heights of the structures to be constructed/altered. Bidders are to therefore price accordingly as rates will be deemed to include for same and no further claims in regard to all necessary scaffolding in the completion of the scope of works will be entertained.

Carried to Collection

R

	Unit	Quantity	Rate	Amount
<u>Labour Intensive</u>				
<p>Bidders are to note well that specific items within these Bills of Quantities have been designated as LABOUR INTENSIVE by the addition of the words “Labour Intensive” at the end of the description for the said item. Where items have been designated as being LABOUR INTENSIVE as described, pricing shall be deemed to include for the carrying out to completion of said item on site by means and methods that rely predominantly on manual labour. As such, no claims shall be entertained regarding any additional time or monetary costs incurred by the use of LABOUR INTENSIVE methods. Further, the Contractor is to note that contravention of the above i.e. use of mechanised, or other systems to carry out LABOUR INTENSIVE work as hereinafter designated, will be viewed and dealt with in an extremely serious light by the Client, as it remains a national imperative to develop, employ and provide skills through the Expanded Public Works Programme.</p>				
<u>Fixing</u>				
<p>Floor coverings, wall linings shall, where applicable, be fixed with adhesive as recommended by the manufacturers of the flooring, linings</p>				
<u>FLOOR COVERINGS</u>				
<u>2.5mm Homogeneous fully flexible seamless vinyl sheeting with welded joints fully bonded with adhesive installed complete on well prepared granolithic floor finish</u>				
1	F1 - Vinyl Sheeting on floors	m ²	1 151	
<u>Artificial lawn on well prepared granolithic floor finish</u>				
2	F4 - Artificial lawn on floors	m ²	631	
<u>SKIRTINGS AND NOSINGS</u>				
<u>70mm FLOORWORX Coved Vinyl Skirting, colour to match</u>				
3	SK1 - Vinyl coved skirting	m	1 096	
<u>POLISH, SEALERS, ETC</u>				
<u>Polish, Sealers, etc.</u>				
4	Thoroughly clean down and wash, strip with an amonia based stripping agent and apply three coats of approved polyrethane sealer in strict accordance with the manufacturers instructions on vinyl tiles. (Labour Intensive)	m ²	1 151	
			Carried to Collection	R
Bill No. 8				
Floor Coverings				

Amount

BILL NO. 8
FLOOR COVERINGS
COLLECTION

Page No

Brought Forward from Page

48

49

Carried to Summary

R

Unit Quantity Rate Amount

BILL NO. 9
IRONMONGERY

(CPAP WORK GROUP NO. 132 UNLESS OTHERWISE STATED)

The bidder is referred to the relevant clauses in the KZN Department of Health Standard Preambles to all Trades Rev 3 - January 2009 (available on request), to the Architectural and Structural/Civil Engineering specifications documents, to the drawings (which are to be read in conjunction with the architectural specification), and to all general and project-specific specifications as contained in the complete Bid Documents. Bidders are thus urged to study these documents as rates will be deemed to be inclusive of all requirements as included in same. Further, should any discrepancy be noted between these Bills of Quantities and the Specifications, the Specifications shall take precedence.

Further to the above, Bidders are to note that the latest edition of SANS 10400, current at the time of the tender will form part of the specifications to this contract and as such, pricing shall be deemed to include for complete conformance in all respects to the requirements of SANS 10400.

SUPPLEMENTARY PREAMBLES

Working at Heights

Bidders are to note that the work to be undertaken will require all necessary scaffolding, due to the heights of the structures to be constructed/altered. Bidders are to therefore price accordingly as rates will be deemed to include for same and no further claims in regard to all necessary scaffolding in the completion of the scope of works will be entertained.

Carried to Collection

R

	Unit	Quantity	Rate	Amount
<p><u>Labour Intensive</u></p> <p>Bidders are to note well that specific items within these Bills of Quantities have been designated as LABOUR INTENSIVE by the addition of the words “Labour Intensive” at the end of the description for the said item. Where items have been designated as being LABOUR INTENSIVE as described, pricing shall be deemed to include for the carrying out to completion of said item on site by means and methods that rely predominantly on manual labour. As such, no claims shall be entertained regarding any additional time or monetary costs incurred by the use of LABOUR INTENSIVE methods. Further, the Contractor is to note that contravention of the above i.e. use of mechanised, or other systems to carry out LABOUR INTENSIVE work as hereinafter designated, will be viewed and dealt with in an extremely serious light by the Client, as it remains a national imperative to develop, employ and provide skills through the Expanded Public Works Programme.</p>				
<p><u>Proprietary items</u></p> <p>Where applicable the manufacturers' names or product catalogue titles are given in sub-headings preceding the items</p> <p>Prices are to be based on the specific products/articles specified. If tenderers wish to offer alternative products/articles for certain items, these items are to be clearly marked and the alternative specification given with supporting brochures clarifying the features of the products/articles offered</p> <p>On request returnable samples are to be provided to the principal agent for consideration</p>				
<p><u>Finishes to ironmongery</u></p> <p>Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list: BS Satin bronze lacquered CH Chromium plated SC Satin chromium plated SE Silver enamelled GE Grey enamelled AN Anodised natural AS Anodised silver AB Anodised bronze AG Anodised gold ABL Anodised black PB Polished brass PL Polished and lacquered PT Epoxy coated SD Sanded</p>				
<p><u>HINGES AND BOLTS</u></p> <p><u>"Dormakaba" or similar approved</u></p>				
1		100 x 44mm Natural anodised sinkless hinge (code 1040"44)	No	20
2		200 x 44mm Natural anodised sinkless hinge (code 2040"44)	No	348
Carried to Collection				R
<p>Bill No. 9 Ironmongery</p>				

		Unit	Quantity	Rate	Amount
3	Adjustable roller bolt (code DBC"SS"022)	No	18		
4	Indicator bolt	No	15		
5	305mm Manual flush bolt with heel (code DFB"SC"181)	No	22		
	<u>HANDLES</u>				
	<u>"Dormakaba" or similar approved</u>				
6	325 x 25mm Straight tubular pull handle BTB (BTB fixing sets included) (code DPH301A BTB)	Pairs	19		
7	149 x 19mm Straight tubular pull handle BTB (BTB fixing sets included) (code DPH301C BTB)	Pairs	21		
8	Lever handle on 170 x 170mm plate with cylinder cut out (code TH120 BP Cyl S.S)	Pairs	78		
	<u>LOCKS</u>				
	<u>"Assa Abloy" or similar approved</u>				
9	66mm five pin euro" profile double cylinder master keyed	No	83		
10	Deadlock with escutcheons	No	1		
11	Euro profile lock with roller bolt latch	No	19		
12	Euro Cylinder Dead Lock	No	1		
13	Deadlock with thumb turn euro profile cylinder	No	50		
	<u>DOOR CLOSERS</u>				
	<u>"Assa Abloy" or similar approved</u>				
14	Double action transom closure with and including shoe strap	Pairs	9		
	<u>SUNDRIES</u>				
15	Wall mounted door stop	No	81		
16	Floor mounted door stop	No	1		
17	Foot operated door stop	No	12		
18	Rubber buffer hat and coat hook	No	10		
19	Heavy duty cabin hook & eye where required fixed to 100mm hard wood	No	5		
	<u>"Khomanani" or other approved</u>				
20	1359mm x 831mm x 1180mm Baggage screening machine (HP-SE5030C)	No	1		
21	Multizone metal walk through detector (SE3307)	No	1		
	Carried to Collection			R	
	Bill No. 9				
	Ironmongery				

	Unit	Quantity	Rate	Amount
<u>LETTERS AND NAMEPLATES</u>				
<u>Signage</u>				
22	Item			0 00
Provide a budgetary amount of R 200,000.00 (Two hundred thousand Rand) for statutory fire signage and general direction signage				
<u>PUSH PLATES AND KICK PLATES</u>				
<u>"Assa Abloy" or similar approved</u>				
23	No	31		
76 x 152 x 1.2mm Thick grade 304 stainless steel push plate. Stainless steel plate to have four no. countersunk holes for screw fixing.				
24	No	55		
300 x 1.2mm Thick grade 304 stainless steel kick plate. Stainless steel plate to have four no. countersunk holes for screw fixing.				
25	No	16		
900 x 1.2mm Thick grade 304 stainless steel kick plate. Stainless steel plate to have four no. countersunk holes for screw fixing.				
<u>BATHROOM FITTINGS</u>				
<u>"Bathroom butler" or similar approved</u>				
26	No	5		
Bathroom Butler paraplegic rails dog leg grab rail with 3 supports or similar approved with brushed grade 304 stainless steel finish, overall size 750 x 750mm plugged and screwed to wall with stainless steel screws.				
27	No	5		
Bathroom Butler paraplegic rail or similar approved with brushed grade 304 stainless steel finish, overall size 842mm long, plugged and screwed to wall with stainless steel screws.				
<u>Sanitary Fittings by manufacturer</u>				
28	No	3		
Polypropylene horizontal baby changing station, deep bed with adjustable safety belt, foldable design overall size when open 862 x 557 x 483mm and 862 x 557 x 120mm when closed				
29	No	62		
Circular galvanised wall mounted refuse bag holder, black rubber lid, bungee cord bag clamp, wall mounting point, diametre 445mm x 120mm height				
Carried to Collection			R	
Bill No. 9 Ironmongery				

	Unit	Quantity	Rate	Amount
<u>"Franke" or other approved</u>				
30	No	14		
Franke Stratos STRX 672E, 1,2/1,5mm thick grade 304 18/10 satin stainless steel recessed toilet roll holders, size 304 x 156 x 140,7 mm deep for 2 rolls maximum 108mm diameter with spindle system and cylinder lock with standard franke key, plugged and screwed to wall with stainless steel screws.				
31	No	46		
Franke Stratos STRX 618, 1.2/1.5mm thick grade 304 x 100 x 134mm deep with replaceable and refillable 1 x litre container, cylinder lock with standard franke key, plugged and screwed to the wall with stainless steel screws.				
32	No	46		
Frank Stratos STRX 611 Or similar approved 1,2/ 1,5mm thick grade 304 18/10 satin stainless steel sanitary towel disposal bins (code: 359740), size 304 x 205 x 134mm deep with capacity of 6 litres, plugged and screwed to the wall with stainless steel screws.				
33	No	15		
Franke BHM 16P or similar approved polished stainless robe hooks, plugged and screwed to the wall with and including stainless steel screws				
34	No	1		
Franke Citimetal BR6 bedpan and bottle rack - 18/10 of grade 304 stainless steel fixed to wall surface with and including stainless steel bar braces with removable drip tray/ 19mm drain outlet - size 915mm long (6 bedpan & bottle size)				
<u>SHELVES ETC</u>				
<u>Steel shelving with standard epoxy coated finish</u>				
35	No	50		
900 x 600 x 2000mm steel shelf with and including 5No. shelves				
<u>BUDGETARY ALLOWANCES</u>				
<u>Waiting Area Chairs</u>				
36	Item			210 000 00
Allow the amount of R 210'000.00 (Two Hundred and Ten Thousand Rand) for metal chairs to waiting areas to be expended as the Principal Agent may direct or deduct in whole or in part, if not required				
Carried to Collection			R	
Bill No. 9 Ironmongery				

Amount

BILL NO. 9
IRONMONGERY
COLLECTION

Page No

Brought Forward from Page

51

52

53

54

55

Carried to Summary

R

	Unit	Quantity	Rate	Amount
<p><u>BILL NO. 10</u> <u>STRUCTURAL STEELWORK (PROVISIONAL)</u></p> <p><u>(CPAP WORK GROUP NO. 134 UNLESS OTHERWISE STATED)</u></p> <p>The bidder is referred to the relevant clauses in the KZN Department of Health Standard Preambles to all Trades Rev 3 - January 2009 (available on request), to the Architectural and Structural/Civil Engineering specifications documents, to the drawings (which are to be read in conjunction with the architectural specification), and to all general and project-specific specifications as contained in the complete Bid Documents. Bidders are thus urged to study these documents as rates will be deemed to be inclusive of all requirements as included in same. Further, should any discrepancy be noted between these Bills of Quantities and the Specifications, the Specifications shall take precedence.</p> <p>Further to the above, Bidders are to note that the latest edition of SANS 10400, current at the time of the tender will form part of the specifications to this contract and as such, pricing shall be deemed to include for complete conformance in all respects to the requirements of SANS 10400.</p> <p><u>Working at Heights</u></p> <p>Bidders are to note that the work to be undertaken will require all necessary scaffolding, due to the heights of the structures to be constructed/altered. Bidders are to therefore price accordingly as rates will be deemed to include for same and no further claims in regard to all necessary scaffolding in the completion of the scope of works will be entertained.</p>				
Carried to Collection			R	
Bill No. 10 Structural Steelwork (provisional)				

	Unit	Quantity	Rate	Amount
<p><u>Labour Intensive</u></p> <p>Bidders are to note well that specific items within these Bills of Quantities have been designated as LABOUR INTENSIVE by the addition of the words “Labour Intensive” at the end of the description for the said item. Where items have been designated as being LABOUR INTENSIVE as described, pricing shall be deemed to include for the carrying out to completion of said item on site by means and methods that rely predominantly on manual labour. As such, no claims shall be entertained regarding any additional time or monetary costs incurred by the use of LABOUR INTENSIVE methods. Further, the Contractor is to note that contravention of the above i.e. use of mechanised, or other systems to carry out LABOUR INTENSIVE work as hereinafter designated, will be viewed and dealt with in an extremely serious light by the Client, as it remains a national imperative to develop, employ and provide skills through the Expanded Public Works Programme.</p>				
<p><u>Descriptions</u></p> <p>Descriptions of bolts shall be deemed to include nuts and washers</p> <p>Descriptions of L-shaped and U-shaped anchor bolts shall be deemed to include bending, threading, nuts and washers and embedding in concrete</p> <p>Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete</p>				
<p><u>Structural Steelwork:</u></p> <p>All work to be in accordance with SANS 1200H</p> <p>All welds to be minimum 6mm continuous fillet welds.</p> <p>All steelwork to be grade S355JR (unless otherwise stated).</p> <p>All purlins to be commercial grade purlins.</p> <p>All bolts to be grade 8.8 bolts.</p> <p>All commercial quality HD bolts and steelwork to have a minimum grade stress of 250MPa.</p> <p>All steelwork to be hot dipped galvanised to ISO 1461 or EN 10240, unless otherwise stated.</p> <p>Galvanising certificate for all steelwork is to be issued to the Engineer upon completion of galvanising.</p> <p>Two sets of fabrication drawings are to be provided to the Engineer for approval prior to commencement of fabrication.</p>				
Carried to Collection			R	
<p>Bill No. 10 Structural Steelwork (provisional)</p>				

	Unit	Quantity	Rate	Amount
<p>Certificates confirming the grade stress of all steelwork and bolts specified is to be submitted to the Engineer on completion.</p> <p><u>Hot dipped galvanising:</u></p> <p>The mass of hot dip galvanised steelwork has been calculated on the mass before galvanising for which allowance must be made in the pricing.</p> <p>Unless otherwise stated, all steelwork described as galvanised shall be deemed to include for 'hot-dip' galvanising in accordance with the latest SANS standards.</p> <p>Where possible all welds to galvanised steelwork shall be completed before galvanising.</p> <p><u>HOT DIPPED GALVANISED STEEL COLUMNS AND BEAMS</u></p> <p><u>Hot dipped galvanised welded columns in single lengths with flat bearer and connection plates, bolted to concrete (Provisional)</u></p>				
1	Tonnes	2		
<p><u>HOT DIPPED GALVANISED FIXING DETAILS (PROVISIONAL)</u></p>				
2	Tonnes	1		
<p><u>HOT DIPPED GALVANISED BOLTS, FASTENERS, ETC</u></p> <p><u>Hot dipped galvanised bolts and fasteners (Provisional)</u></p>				
3	No	160		
4	No	176		
Carried to Collection			R	
<p>Bill No. 10 Structural Steelwork (provisional)</p>				

Amount

BILL NO. 10

STRUCTURAL STEELWORK (PROVISIONAL)

COLLECTION

Page No

Brought Forward from Page

57

58

59

Carried to Summary

R

Bill No. 10

Structural Steelwork (provisional)

Unit Quantity Rate Amount

BILL NO. 11
METALWORK

(CPAP WORK GROUP NO. 136 UNLESS OTHERWISE STATED)

The bidder is referred to the relevant clauses in the KZN Department of Health Standard Preambles to all Trades Rev 3 - January 2009 (available on request), to the Architectural and Structural/Civil Engineering specifications documents, to the drawings (which are to be read in conjunction with the architectural specification), and to all general and project-specific specifications as contained in the complete Bid Documents. Bidders are thus urged to study these documents as rates will be deemed to be inclusive of all requirements as included in same. Further, should any discrepancy be noted between these Bills of Quantities and the Specifications, the Specifications shall take precedence.

Further to the above, Bidders are to note that the latest edition of SANS 10400, current at the time of the tender will form part of the specifications to this contract and as such, pricing shall be deemed to include for complete conformance in all respects to the requirements of SANS 10400.

SUPPLEMENTARY PREAMBLES

Working at Heights

Bidders are to note that the work to be undertaken will require all necessary scaffolding, due to the heights of the structures to be constructed/altered. Bidders are to therefore price accordingly as rates will be deemed to include for same and no further claims in regard to all necessary scaffolding in the completion of the scope of works will be entertained.

Carried to Collection

R

Bill No. 11
 Metalwork

	Unit	Quantity	Rate	Amount
<p><u>Labour Intensive</u></p> <p>Bidders are to note well that specific items within these Bills of Quantities have been designated as LABOUR INTENSIVE by the addition of the words “Labour Intensive” at the end of the description for the said item. Where items have been designated as being LABOUR INTENSIVE as described, pricing shall be deemed to include for the carrying out to completion of said item on site by means and methods that rely predominantly on manual labour. As such, no claims shall be entertained regarding any additional time or monetary costs incurred by the use of LABOUR INTENSIVE methods. Further, the Contractor is to note that contravention of the above i.e. use of mechanised, or other systems to carry out LABOUR INTENSIVE work as hereinafter designated, will be viewed and dealt with in an extremely serious light by the Client, as it remains a national imperative to develop, employ and provide skills through the Expanded Public Works Programme.</p> <p><u>Descriptions of bolts, anchors, etc.</u></p> <p>Descriptions of bolts shall be deemed to include nuts and washers</p> <p>Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete</p> <p>Items described as 'holed for bolt(s)' shall be deemed to exclude the bolts unless otherwise described</p> <p>Items described as 'plugged' shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres</p> <p><u>Rates shall include for the following:</u></p> <p>Suitably protecting all exposed aluminium and glass surfaces with an approved protection tape and plastic sheeting. Such protection is to be removed at completion of the contract and the exposed surfaces cleaned down and left perfect. Under no circumstances will any damage whatsoever to the finished product be accepted.</p> <p>Building in and fixing into preformed openings. Window opening sizes to be verified on site before windows can be manufactured.</p> <p>Complete ironmongery to all aluminium doors and windows</p> <p>Complete glazing as described with and including matching aluminium glazing beads and gaskets and glazed in accordance with the manufacturer's written instructions.</p>				
<p style="text-align: right;">Carried to Collection</p> <p>Bill No. 11 Metalwork</p>			R	

	Unit	Quantity	Rate	Amount
<p>All opening and fixed lights, coupling mullions and transoms, fittings, ironmongery, etc. As required.</p> <p><u>Powdercoated aluminium windows, doors, etc.:</u></p> <p>Bidders are to note that prices for aluminium doors and windows are to include for all necessary ironmongery for the complete installation as required. No further claims in this regard will be entertained.</p> <p>Bidders are advised to refer to the architects window and door schedules, as these will take precedence and rates will be deemed to be based in the schedules should there be any discrepancy</p> <p>Items shall be manufactured by an approved specialist who shall provide a sample upon request, for approval by the Principal Agent, at no additional cost to the contract.</p> <p>Powdercoating to doors, windows, gates, etc. shall comply with minimum class 2, manufactured and installed in accordance with good building practice and in terms of the latest code of practice with revisions as recommended by the SANS and AAAMSA.</p> <p>All powdercoating shall be to SANS 1796:2013 (Class 2) – “Interpon D2525 T” or other approved, colour Matt Bronze 543 (Code QX201P), and shall be supplied with a 25 year project warrantee.</p> <p>Screws and bolts shall be of corresponding metal and colour and heads of screws shall be countersunk. Selftapping screws shall, unless otherwise described, be used for screwing items to adjoining metalwork. Stainless steel screws shall be used for fixing aluminium. Items fixed to adjoining metalwork with rivets, selftapping screws, set screws, machine screws, etc. shall include for all necessary drilling.</p> <p><u>Welded joints and intersections:</u></p> <p>Prices of continuous hollow section and solid section shall include for welded joints in the length and prices of intersections shall include for all cutting, mitering, scribing, shaping, welding, bends, knees, ramps, etc.</p> <p>Prices of balustrades, burglar guards and the like shall include for framed and welded joints and intersections.</p> <p><u>Hot dipped galvanising:</u></p> <p>The mass of hot dip galvanised steelwork has been calculated on the mass before galvanising and no allowance has been made for the additional mass of galvanising for which allowance must be made in pricing.</p>				
<p style="text-align: right;">Carried to Collection</p> <p>Bill No. 11 Metalwork</p>			R	

	Unit	Quantity	Rate	Amount
<p>Unless otherwise stated, all steelwork described as galvanised shall be deemed to include for 'hot-dip' galvanising in accordance with the latest SANS standards.</p> <p><u>Anodising:</u> All anodising shall be executed in strict accordance with SANS 999. Grade AA25 (Average coating thickness 25 micron) shall be used. Colour to be agreed with Architect.</p> <p><u>Screws and bolts:</u> Screws and bolts shall be of corresponding metal and colour and heads of screws shall be countersunk. Selftapping screws shall, unless otherwise described, be used for screwing items to adjoining metalwork. Stainless steel screws shall be used for fixing aluminium. Items fixed to adjoining metalwork with rivets, selftapping screws, set screws, machine screws, etc., shall include for all necessary drilling.</p> <p>Where bolting is specified, projecting shank ends of bolts shall be cut flush and left smooth.</p> <p><u>Drawings:</u> Bidders are to note that where descriptions include reference to drawings, notwithstanding anything contained in the descriptions, tenderers are to price these items in accordance with the drawings. Further, the onus is on the tenderer to ensure that all relevant drawings referenced in the Bills of Quantities are included in the tender documents. No additional time and/or monetary claims resulting from non-adherence to the above will be entertained.</p> <p><u>STEEL GATES AND SCREENS</u></p> <p><u>Welded screens and gates as per Architects drawing no.23002-TD402</u></p>				
1	No	4		
<p>1500 x 1190 x 40mm Powder coated steel frame with ClearVu infill screen including fixings all as per manufacturers instruction</p>				
<p><u>Sundries</u></p>				
2	No	2		
<p>Stainless steel metal base with stainless steel metal top preparation table overall size 1800mm x 700mm x 900mm high</p>				
3	No	8		
<p>Washing line</p>				
			Carried to Collection	R
<p>Bill No. 11 Metalwork</p>				

		Unit	Quantity	Rate	Amount
<u>STAINLESS STEEL MINOR WORK</u>					
<u>Corner protectors:</u>					
4	75 x 75 x 1000mm High stainless steel corner protector installed above capping strip. Installation and maintenance all according to manufacturers specifications	m	25		
<u>Galvanised steel posts</u>					
5	102 Diameter x 6mm thick, 2800mm high post with 180 x 180 x 8mm thick base plate including 4 m12 bolts and 90 x 350 x 6mm thk bracket plate with and 200 x 350 x 6mm thk braket plate with 4 m12 bolts welded together as per engineers drawing 3039D/P1/P/01	No	40		
<u>DOOR FRAMES, DOORS AND WINDOWS</u>					
<u>STEEL DOOR FRAMES</u>					
<u>1,6mm Double rebated stainless steel frame made of Grade 304 steel</u>					
6	Frame for door size 813x2032x40mm high	No	93		
7	Frame for door size 930x2032x40mm high	No	5		
8	Frame for door size 1260x2032x40mm high	No	15		
9	Frame for door size 1710x2032x40mm high	No	1		
<u>STEEL ROLLER SHUTTERS ETC</u>					
<u>Epoxy coated roller shutter doors with 50mm x 50mm x 2.5mm steel frame with 16mm diametre steel bars, fixed to brickwork or concrete with and including canopies to roller mechanism, etc., all as per Architectural door schedule</u>					
10	Chain operated slatted roller shutter for 1000 x 1200mm high opening	No	1		
<u>STEEL RECORDROOM AND STRONGROOM DOORS, VENTILATORS, ETC</u>					
<u>Chubb or other approved strong room doors etc suitable for 230mm walls fixed to brickwork or concrete</u>					
11	Strong room door and frame 900 x 2100mm high overall including fixings all as per manufacturers instruction	No	2		
Carried to Collection					
				R	
Bill No. 11 Metalwork					

	Unit	Quantity	Rate	Amount
<p><u>POWDER COATED ALUMINIUM WINDOWS, DOORS, ETC. (CPAP WORK GROUP NO.140)</u></p> <p>Note: The following aluminium windows, doors, shopfronts, etc. contain references to Architectural drawings appended elsewhere in this Bid document. The bidder is to study these drawings carefully as all items required for the complete and approved supply and installation of the aforementioned items as per the drawings, will be deemed to be included in the bid rate for same. No further claims in this regard will be entertained.</p> <p><u>Crealco Swift 38 extruded aluminium sections to sizes as shown to comply with 'aamsa' specifications. All window shopfronts sections to be designed and supplied by manufacturer to sustain windloads as per sans 727 or SANS 1553-2 to meet requirements of sans 10400 Part N and will remain the responsibility of manufacturer to provide the client with the documents as requested. All structural sections, compensation channels & accessories per manufacturer's design. Colour: Powdercoated - Colour TBC all as per Architectural drawing No: 23002-TD402 appended elsewhere in this Bid document</u></p>				
12	No	23		
13	No	3		
14	No	15		
15	No	39		
16	No	3		
17	No	62		
<p><u>ALUMINIUM LOUVRE UNITS (CPAP WORK GROUP NO. 140)</u></p> <p><u>"Crealco swift 38" or other approved fixed louvre units fixed to brickwork or concrete</u></p>				
18	No	9		
Carried to Collection			R	
Bill No. 11 Metalwork				

Amount

BILL NO. 11
METALWORK
COLLECTION

Page No

Brought Forward from Page

61

62

63

64

65

66

67

Carried to Summary

R

Unit Quantity Rate Amount

BILL NO. 12
PLASTERING

(CPAP WORK GROUP NO. 142 UNLESS OTHERWISE STATED)

The bidder is referred to the relevant clauses in the KZN Department of Health Standard Preambles to all Trades Rev 3 - January 2009 (available on request), to the Architectural and Structural/Civil Engineering specifications documents, to the drawings (which are to be read in conjunction with the architectural specification), and to all general and project-specific specifications as contained in the complete Bid Documents. Bidders are thus urged to study these documents as rates will be deemed to be inclusive of all requirements as included in same. Further, should any discrepancy be noted between these Bills of Quantities and the Specifications, the Specifications shall take precedence.

Further to the above, Bidders are to note that the latest edition of SANS 10400, current at the time of the tender will form part of the specifications to this contract and as such, pricing shall be deemed to include for complete conformance in all respects to the requirements of SANS 10400.

SUPPLEMENTARY PREAMBLES

Working at Heights

Bidders are to note that the work to be undertaken will require all necessary scaffolding, due to the heights of the structures to be constructed/altered. Bidders are to therefore price accordingly as rates will be deemed to include for same and no further claims in regard to all necessary scaffolding in the completion of the scope of works will be entertained.

Carried to Collection

R

Bill No. 12
Plastering

	Unit	Quantity	Rate	Amount
<p><u>Labour Intensive</u></p> <p>Bidders are to note well that specific items within these Bills of Quantities have been designated as LABOUR INTENSIVE by the addition of the words “Labour Intensive” at the end of the description for the said item. Where items have been designated as being LABOUR INTENSIVE as described, pricing shall be deemed to include for the carrying out to completion of said item on site by means and methods that rely predominantly on manual labour. As such, no claims shall be entertained regarding any additional time or monetary costs incurred by the use of LABOUR INTENSIVE methods. Further, the Contractor is to note that contravention of the above i.e. use of mechanised, or other systems to carry out LABOUR INTENSIVE work as hereinafter designated, will be viewed and dealt with in an extremely serious light by the Client, as it remains a national imperative to develop, employ and provide skills through the Expanded Public Works Programme.</p> <p><u>Preparation</u></p> <p>For granolithic applied monolithically, the concrete floor shall be swept clean after bleeding of the concrete has ceased and the slab has begun to stiffen; any remaining bleed water shall be removed and the granolithic applied immediately thereafter. For granolithic to be bonded to the floor slab after it has hardened, the slab surface shall be hacked (preferably by mechanical means) until all laitance, dirt, oil, etc. is dislodged and swept clean of all loose matter. The slab shall then be wetted and kept damp for at least six hours before applying the granolithic.</p> <p><u>Mix</u></p> <p>Granolithic shall attain a compressive strength of at least 41MPa. The coarse aggregate shall comply with SANS 1083 and shall generally be capable of passing a 10mm mesh sieve. Where the thickness of the granolithic exceeds 25mm, the size of the coarse aggregate shall be increased to the maximum size compatible with the thickness of the granolithic.</p> <p><u>Panels</u></p> <p>Where possible joints between panels shall be positioned over joints in the floor slab and shall be at least 3mm wide through the full thickness of the finish, separated by strips of wood or fibreboard and finished with V-joints</p> <p><u>Laying</u></p> <p>Monolithic granolithic shall be applied to the partially set slab and thoroughly compacted and lightly wood floated to the required levels</p>				
<p style="text-align: right;">Carried to Collection</p> <p>Bill No. 12 Plastering</p>			R	

	Unit	Quantity	Rate	Amount
<p>Bonded granolithic shall be applied to the slab after applying a 1:1 sand-and-cement slurry brushed over the surface and allowed to partially set before applying the granolithic. The granolithic shall be thoroughly compacted and lightly wood floated to the required levels</p> <p>After wood floating, the monolithic and bonded granolithic shall remain undisturbed until bleeding has ceased and the surface has stiffened. Any remaining bleed water and laitance shall then be removed and the surface steel trowelled or power floated</p> <p><u>Curing, seasoning and protection</u></p> <p>Granolithic shall be covered with clean hessian with waterproof building foil over and kept wet for at least seven days after laying.</p> <p><u>Colour</u></p> <p>Coloured granolithic shall be tinted with an approved colouring pigment mixed into a true and even colour.</p> <p><u>SCREEDS</u></p> <p><u>Cement plaster screeds, wood floated on concrete</u></p>				
1	m ²	157		
2	m ²	1 464		
<p><u>GRANOLITHIC</u></p> <p><u>Untinted granolithic, on concrete</u></p>				
3	m ²	1 021		
<p><u>SPECIALIST FLOOR COVERINGS</u></p> <p><u>EPOXY FLOORING SYSTEM, ETC</u></p> <p><u>4mm Epoxy Seamless Slip Resistant or 4mm matt polyurethane floor finish using a proprietary bonding agent or 1:1 cement: sand grout</u></p>				
4	m ²	83		
<p><u>75mm high coved FLOWCRETE Epoxy skirting</u></p>				
5	m	142		
<p><u>INTERNAL PLASTER</u></p> <p><u>12mm thick Cement plaster wood floated, on brickwork</u></p>				
6	m ²	5 308		
7	m ²	160		
Carried to Collection			R	
<p>Bill No. 12 Plastering</p>				

Amount

BILL NO. 12
PLASTERING
COLLECTION

Page No

Brought Forward from Page

69

70

71

72

Carried to Summary

R

Unit Quantity Rate Amount

BILL NO. 13
TILING

(CPAP WORK GROUP NO. 144 UNLESS OTHERWISE STATED)

The bidder is referred to the relevant clauses in the KZN Department of Health Standard Preambles to all Trades Rev 3 - January 2009 (available on request), to the Architectural and Structural/Civil Engineering specifications documents, to the drawings (which are to be read in conjunction with the architectural specification), and to all general and project-specific specifications as contained in the complete Bid Documents. Bidders are thus urged to study these documents as rates will be deemed to be inclusive of all requirements as included in same. Further, should any discrepancy be noted between these Bills of Quantities and the Specifications, the Specifications shall take precedence.

Further to the above, Bidders are to note that the latest edition of SANS 10400, current at the time of the tender will form part of the specifications to this contract and as such, pricing shall be deemed to include for complete conformance in all respects to the requirements of SANS 10400.

SUPPLEMENTARY PREAMBLES

Working at Heights

Bidders are to note that the work to be undertaken will require all necessary scaffolding, due to the heights of the structures to be constructed/altered. Bidders are to therefore price accordingly as rates will be deemed to include for same and no further claims in regard to all necessary scaffolding in the completion of the scope of works will be entertained.

Carried to Collection

R

Bill No. 13
Tiling

	Unit	Quantity	Rate	Amount
<p><u>Labour Intensive</u></p> <p>Bidders are to note well that specific items within these Bills of Quantities have been designated as LABOUR INTENSIVE by the addition of the words "Labour Intensive" at the end of the description for the said item. Where items have been designated as being LABOUR INTENSIVE as described, pricing shall be deemed to include for the carrying out to completion of said item on site by means and methods that rely predominantly on manual labour. As such, no claims shall be entertained regarding any additional time or monetary costs incurred by the use of LABOUR INTENSIVE methods. Further, the Contractor is to note that contravention of the above i.e. use of mechanised, or other systems to carry out LABOUR INTENSIVE work as hereinafter designated, will be viewed and dealt with in an extremely serious light by the Client, as it remains a national imperative to develop, employ and provide skills through the Expanded Public Works Programme.</p> <p><u>Fixing</u></p> <p>Unless described as "fixed with adhesive to plaster (plaster elsewhere)" descriptions of tiling on brick or concrete walls, columns shall be deemed to include 1:4 cement plaster backing and descriptions of tiling on concrete floors shall be deemed to include 1:3 cement screed</p> <p>Tiling described as "fixed with adhesive on power floated concrete" shall be deemed to include for approved tiling key-coat</p> <p>Ceramic, porcelain, marble and granite tiles are to be fixed and grouted with suitable adhesives and grouts as recommended by the manufacturer of the tiles</p> <p><u>WALL TILING</u></p> <p><u>600x600x8.5 Full bodied porcelain slip (Allow PC sum of R550 per m²) resistant tiles in compliance with minimum certification rating of R10/R11 with and including 3mm joints</u></p>				
1	m ²	272		
2	m ²	37		
3	m ²	9		
Carried to Collection			R	
<p>Bill No. 13 Tiling</p>				

	Unit	Quantity	Rate	Amount
<u>FLOOR TILING</u>				
<u>300x300x8.3 Full bodied Porcelain Tiles (Allow PC sum of R550 per m²) in compliance with UPEC spec with joints varying from 3mm to 5mm. (colour to be uniform light colour)</u>				
4	m ²	58		
5	m	40		
<u>600x600x8.5 Full bodied porcelain slip (Allow PC sum of R550 per m²) resistant tiles in compliance with minimum certification rating of R10/R11 with and including 3mm joints</u>				
6	m ²	171		
7	m	221		
Carried to Collection			R	

Amount

BILL NO. 13
TILING
COLLECTION

Page No

Brought Forward from Page

74

75

76

Carried to Summary

R

Unit Quantity Rate Amount

BILL NO. 14
PLUMBING AND DRAINAGE (PROVISIONAL)

(CPAP WORK GROUP NO. 148 UNLESS OTHERWISE STATED)

The bidder is referred to the relevant clauses in the KZN Department of Health Standard Preambles to all Trades Rev 3 - January 2009 (available on request), to the Architectural and Structural/Civil Engineering specifications documents, to the drawings (which are to be read in conjunction with the architectural specification), and to all general and project-specific specifications as contained in the complete Bid Documents. Bidders are thus urged to study these documents as rates will be deemed to be inclusive of all requirements as included in same. Further, should any discrepancy be noted between these Bills of Quantities and the Specifications, the Specifications shall take precedence.

Further to the above, Bidders are to note that the latest edition of SANS 10400, current at the time of the tender will form part of the specifications to this contract and as such, pricing shall be deemed to include for complete conformance in all respects to the requirements of SANS 10400.

SUPPLEMENTARY PREAMBLES

Working at Heights

Bidders are to note that the work to be undertaken will require all necessary scaffolding, due to the heights of the structures to be constructed/alterd. Bidders are to therefore price accordingly as rates will be deemed to include for same and no further claims in regard to all necessary scaffolding in the completion of the scope of works will be entertained.

Carried to Collection

R

Bill No. 14
 Plumbing And Drainage (provisional)

	Unit	Quantity	Rate	Amount
<p><u>Labour Intensive</u></p> <p>Bidders are to note well that specific items within these Bills of Quantities have been designated as LABOUR INTENSIVE by the addition of the words "Labour Intensive" at the end of the description for the said item. Where items have been designated as being LABOUR INTENSIVE as described, pricing shall be deemed to include for the carrying out to completion of said item on site by means and methods that rely predominantly on manual labour. As such, no claims shall be entertained regarding any additional time or monetary costs incurred by the use of LABOUR INTENSIVE methods. Further, the Contractor is to note that contravention of the above i.e. use of mechanised, or other systems to carry out LABOUR INTENSIVE work as hereinafter designated, will be viewed and dealt with in an extremely serious light by the Client, as it remains a national imperative to develop, employ and provide skills through the Expanded Public Works Programme.</p>				
<p><u>Wire gratings</u></p> <p>Descriptions of gutter outlets shall be deemed to include wire balloon gratings</p>				
<p><u>Sealing of edges</u></p> <p>Outer edges of sinks, basins, baths, urinals are to be sealed against adjacent surfaces with approved silicone - Class F20 HM, to EN 150 11600</p>				
<p><u>uPVC pipes and fittings</u></p> <p>Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings</p> <p>Soil, waste and vent pipes and fittings shall be solvent weld jointed or sealed with butyl rubber rings</p>				
<p><u>"Polycop" polypropylene pipes</u></p> <p>Polypropylene pipes 54mm diameter and smaller shall be seamless copper coloured Class 16 pipes jointed with "Fast-fuse" heat welded thermoplastic or where so described "Polylock" compression fittings</p> <p>Pipes shall be firmly fixed to walls with coloured nylon snap-in pipe clips with provision for accommodating thermal movement and jointed and fixed strictly in accordance with the manufacturer's instructions</p>				
Carried to Collection			R	
<p>Bill No. 14 Plumbing And Drainage (provisional)</p>				

	Unit	Quantity	Rate	Amount
<p><u>Copper pipes</u></p> <p>Pipes shall be hard drawn and half-hard "Maksal" pipes of the class described. 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</p> <p><u>Reducing fittings</u></p> <p>Where fittings have reducing ends or branches they are described as "reducing" and 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</p> <p><u>Fixing of pipes</u></p> <p>Unless specifically otherwise stated, descriptions of pipes shall be deemed to include fixing to walls, casting in, building in or suspending not exceeding 1m below suspension level</p> <p><u>Paper wrapping to pipes</u></p> <p>Pipes chased into brickwork must be wrapped with two layers of stout brown paper tied with wire. Rates are to include for wrapping around joints and fittings</p> <p><u>Disinfection of water pipework</u></p> <p>Water pipework is to be disinfected at completion in accordance with SANS (provision for disinfection elsewhere)</p> <p><u>General</u></p> <p>Rates for installation of sanware and all drainage and supply piping of all types will be deemed to include for fair cutting around pipes and making good to floor and wall finishes.</p> <p><u>As-built drawings</u></p> <p>Where required, the contractor shall prepare an updated set of as-built drawings. At completion of the contract the contractor shall hand these drawings to the principal agent for reproducing onto the originals for handing over to the employer (provision for allowance of as-built drawings elsewhere)</p>				
Carried to Collection			R	
Bill No. 14 Plumbing And Drainage (provisional)				

		Unit	Quantity	Rate	Amount
<u>RAINWATER DISPOSAL</u>					
<u>0.9mm Seamless aluminium prepainted gutters and rainwater pipes</u>					
1	125 x 115mm Roof gutters	m	462		
2	100 x 100mm Rainwater pipes	m	264		
3	Extra over for roof outlet including M8 Bolt	No	2		
4	Extra over for pipe connector to gutter outlet	No	67		
5	Extra over for rainwater head	No	67		
6	Extra over single socket bends	No	83		
7	Extra over downpipe for shoe	No	67		
<u>FITTINGS</u>					
<u>WC Units</u>					
8	Geberit Abalona wall hung 530mm (l) x 355mm (w) x 340mm (h) toilet with concealed cistern, including flush pipe and pan connector, water supply connection with angle stop valve, protection cover for service opening and protection cover for flush pipe, fixed with included fastening materials inside solid wall from 120mm up to 200mm. All with "Geberit" conditional guarantee.	No	18		
9	Geberit Selnova comfort wall-hung wc, washdown. large projection, ramfree, including flush pipe and pan connector, water supply connection with angle stop valve, protection cover for service opening and protection cover for flush pipe, fixed with included fastening materials inside solid wall from 120mm up to 200mm. All with "Geberit" conditional guarantee.	No	5		
<u>Urinals</u>					
10	Vaal Sanitary Ware 565 X 275 X 310mm sweatpear white vitreous china wall mounted back inlet urinal including 38mm chromium plated domical grating (8787z0) and chromium plated back inlet spreader (code: 7054z2), flush valve, flush pipe and fittings (by others), fixed on and including two hanger brackets (CODE: 8127Z0).	No	3		
<u>Handwash basins</u>					
11	Franke Citimetal WB 001 Single wash hand basin (CODE 325000) of 304 stainless steel 535mm wide wall	No	7		
Carried to Collection					
				R	
Bill No. 14 Plumbing And Drainage (provisional)					

		Unit	Quantity	Rate	Amount
12	Vaal Sanitaryware Vitreous China 510 X 400mm semi-rectangular 'solar 510' medical basin with no tapholes, overflow or chainstay hole. colour white. with chrome plated bottle traps as cobra 340.	No	52		
	<u>Bathtub</u>				
13	Giberit Supero 1600 bathtub with and including waste outlet, overflow grating with coupling and pair of handles, bedded in position	No	8		
	<u>Sinks</u>				
14	Franke Quinline QLX621-1200 dubble single end bowl 1200 x 500mm seb, grade 18/10 stainless steel drop in sink	No	11		
15	Franke wall-mounted sluice sink / slop hopper for exposed cisterns	No	1		
16	Franke 1500 X 650mm single bowl grade 304 stainless steel, with 150 mm high splash back (CODE 353154) side bowl	No	1		
17	Franke stainless steel sink double end hand bowl 1500 x 600mm	No	1		
18	Frank Model S2 Double Bowl Catering Sink, bowl positioned at the end or centre. grade 304 stainless steel 1,2mm thick with a 150mm high integral splash back to the rear and 50 x 10mm turn down with a beaded edge on the remaining sides	No	1		
19	Franke, Trendline, drop-on, seb, 1200mm x 535mm	No	1		
	<u>WASTE UNIONS</u>				
	<u>Floor drain</u>				
20	"Rofo" floor drain, square flange with slots in grate	No	8		
	<u>Basin waste</u>				
21	"Grohe" chrome waste set with push-open plug for basin with chrome plug	No	30		
	<u>TRAPS</u>				
	<u>P trap</u>				
22	Cobra shower p trap with chrome plated grating 40mm, BRASS 373	No	5		
	Carried to Collection			R	
	Bill No. 14				
	Plumbing And Drainage (provisional)				

	Unit	Quantity	Rate	Amount
<u>TAPS, VALVES, ETC</u>				
<u>Taps</u>				
23	Idral - Foel - mixer - chrome - basin, single lever, wall - mounted with swivel spout., installed to manufacturer's recommendations	No	26	
24	Cobra bib tap elbow action, installed in accordance with the manufacturer's recommendations	No	52	
25	Cobra Watertech or similar approved 20mm standard brass hose bibtap with wingnut, lining and 20mm hose union, manufactured in accordance with sans 226:2009 type 1 (bs 1010).	No	13	
26	Cobra focus single lever shower mixer chrome 2 x 1/2 inch bsp female iron inlet and 2 x female iron outlet connection ends	No	1	
<u>Valves</u>				
27	Walcro 25mm diametre bsp concealed vandal resistant dzt brass toilet flush valve with vr push-button and concealed flush pipes.	No	18	
28	32mm Cobra toilet flush valve back entry complete	No	5	
<u>Sundries</u>				
29	Cobra vandalproof showerhead	No	1	
30	Leroy Merlin wash trough double or equally approved	No	9	
<u>SANITARY PLUMBING</u>				
<u>uPVC pipes</u>				
31	50mm Pipes	m	630	
32	110mm Pipes	m	225	
<u>Extra over uPVC pipes for fittings</u>				
33	50mm BSP adaptor	No	80	
34	110mm Eccentric Reducer	No	23	
35	50mm Bend	No	240	
36	110mm Bend	No	46	
37	50mm Access bend	No	160	
38	110mm Access bend	No	23	
39	50mm Junction	No	120	
Carried to Collection			R	
Bill No. 14 Plumbing And Drainage (provisional)				

	Unit	Quantity	Rate	Amount
40	No	23		
41	No	80		
42	No	23		
43	No	23		
44	No	23		
45	No	23		
46	No	120		
47	No	23		
48	No	22		
49	No	5		
<u>Testing</u>				
50	Item			
<u>MAIN WATER SUPPLIES</u>				
<u>Galvanised steel pipes</u>				
51	m	200		
52	m	200		
<u>Extra over galvanised steel pipes for steel fittings</u>				
53	No	60		
54	No	40		
55	No	55		
56	No	70		
<u>Class 12 uPVC pressure pipes</u>				
57	m	400		
<u>Extra over uPVC pressure piper for solvent welded pressure fittings</u>				
58	No	10		
59	No	2		
60	No	13		
61	No	4		
Carried to Collection			R	
Bill No. 14 Plumbing And Drainage (provisional)				

		Unit	Quantity	Rate	Amount
62	75mm Reducing tee	No	15		
63	25mm Adaptor to mild steel	No	18		
64	32mm Adaptor to mild steel	No	18		
	<u>WATER SUPPLIES</u>				
	<u>Class 460/2 copper pipes</u>				
65	15mm Pipes	m	624		
66	22mm Pipes	m	246		
67	28mm Pipes	m	207		
68	35mm Pipes	m	204		
	<u>Extra over Class 2 copper pipes for capillary fittings</u>				
69	15mm Fittings	m	704		
70	22mm Fittings	m	425		
71	28mm Fittings	m	486		
72	35mm Elbow	m	216		
73	35mm Straight reducing coupler	m	243		
74	35mm Tee	m	261		
75	35mm Reducing tee	m	258		
	<u>Extra over Class 2 copper pipes for brass compression fittings</u>				
76	15mm Fittings	No	44		
77	22mm Fittings	No	49		
78	28mm Fittings	No	61		
79	35mm Copper to iron straight connector	No	61		
	<u>ELECTRIC WATER HEATERS</u>				
	<u>"Zip" - Hydroboils</u>				
80	"Zip" Hydroboil 2,5 litre (Code: 380000) instant boiling water unit with white epoxy powder coated outer case, and two-way tap, complete with twin-chamber technology, installed in accordance with manufacturer's recommendations	No	3		
81	"Zip" white powder coated 15 litre hydroboil (Code: 2610014), plugged and screwed to wall and fitted under 1 year guarantee	No	4		
	Carried to Collection			R	
	Bill No. 14				
	Plumbing And Drainage (provisional)				

	Unit	Quantity	Rate	Amount
<u>"Kwikok" Geyser</u>				
82	"Kwikot Megaflo" 450 litre electric geyser reticulated in series, including special contractor's switch (Code:IND-EC-450), complete as per manufacturer's instructions	No	6	
<u>"Kwikot" Heatpump</u>				
83	"Kwikot" 110KW industrial heat pump (Code: HP-010), complete as per manufacturer's instructions	No	11	
<u>AS-BUILT DRAWINGS</u>				
84	Provision of as-built drawings	Item		
<u>FIRE APPLIANCES ETC</u>				
<u>Fire hydrant</u>				
85	Fire hydrant for 150mm diameter pipe	No	4	
Carried to Collection				
			R	
Bill No. 14 Plumbing And Drainage (provisional)				

Amount

BILL NO. 14

PLUMBING AND DRAINAGE (PROVISIONAL)

COLLECTION

Page No

Brought Forward from Page

78

79

80

81

82

83

84

85

86

Carried to Summary

R

Bill No. 14

Plumbing And Drainage (provisional)

Unit Quantity Rate Amount

BILL NO. 15
GLAZING

(CPAP WORK GROUP NO. 150 UNLESS OTHERWISE STATED)

The bidder is referred to the relevant clauses in the KZN Department of Health Standard Preambles to all Trades Rev 3 - January 2009 (available on request), to the Architectural and Structural/Civil Engineering specifications documents, to the drawings (which are to be read in conjunction with the architectural specification), and to all general and project-specific specifications as contained in the complete Bid Documents. Bidders are thus urged to study these documents as rates will be deemed to be inclusive of all requirements as included in same. Further, should any discrepancy be noted between these Bills of Quantities and the Specifications, the Specifications shall take precedence.

Further to the above, Bidders are to note that the latest edition of SANS 10400, current at the time of the tender will form part of the specifications to this contract and as such, pricing shall be deemed to include for complete conformance in all respects to the requirements of SANS 10400.

SUPPLEMENTARY PREAMBLES

Working at Heights

Bidders are to note that the work to be undertaken will require all necessary scaffolding, due to the heights of the structures to be constructed/altered. Bidders are to therefore price accordingly as rates will be deemed to include for same and no further claims in regard to all necessary scaffolding in the completion of the scope of works will be entertained.

Carried to Collection

R

Bill No. 15
 Glazing

	Unit	Quantity	Rate	Amount
<p><u>Labour Intensive</u></p> <p>Bidders are to note well that specific items within these Bills of Quantities have been designated as LABOUR INTENSIVE by the addition of the words "Labour Intensive" at the end of the description for the said item. Where items have been designated as being LABOUR INTENSIVE as described, pricing shall be deemed to include for the carrying out to completion of said item on site by means and methods that rely predominantly on manual labour. As such, no claims shall be entertained regarding any additional time or monetary costs incurred by the use of LABOUR INTENSIVE methods. Further, the Contractor is to note that contravention of the above i.e. use of mechanised, or other systems to carry out LABOUR INTENSIVE work as hereinafter designated, will be viewed and dealt with in an extremely serious light by the Client, as it remains a national imperative to develop, employ and provide skills through the Expanded Public Works Programme.</p>				
<p><u>Float glass</u></p> <p>The term "float glass" is used for monolithic annealed glass</p>				
<p><u>TOPS, SHELVES, DOORS, MIRRORS, ETC</u></p>				
<p><u>5mm 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></p>				
1	No	54		
			Carried to Collection	R
<p>Bill No. 15 Glazing</p>				

Amount

BILL NO. 15
GLAZING
COLLECTION

Page No

Brought Forward from Page

88

89

Carried to Summary

R

Bill No. 15
Glazing

Unit Quantity Rate Amount

BILL NO. 16
PAINTWORK

(CPAP WORK GROUP NO. 152 UNLESS OTHERWISE STATED)

The bidder is referred to the relevant clauses in the KZN Department of Health Standard Preambles to all Trades Rev 3 - January 2009 (available on request), to the Architectural and Structural/Civil Engineering specifications documents, to the drawings (which are to be read in conjunction with the architectural specification), and to all general and project-specific specifications as contained in the complete Bid Documents. Bidders are thus urged to study these documents as rates will be deemed to be inclusive of all requirements as included in same. Further, should any discrepancy be noted between these Bills of Quantities and the Specifications, the Specifications shall take precedence.

Further to the above, Bidders are to note that the latest edition of SANS 10400, current at the time of the tender will form part of the specifications to this contract and as such, pricing shall be deemed to include for complete conformance in all respects to the requirements of SANS 10400.

SUPPLEMENTARY PREAMBLES

Working at Heights

Bidders are to note that the work to be undertaken will require all necessary scaffolding, due to the heights of the structures to be constructed/alterd. Bidders are to therefore price accordingly as rates will be deemed to include for same and no further claims in regard to all necessary scaffolding in the completion of the scope of works will be entertained.

Carried to Collection

R

Bill No. 16
 Paintwork

	Unit	Quantity	Rate	Amount
<p><u>Labour Intensive</u></p> <p>Bidders are to note well that specific items within these Bills of Quantities have been designated as LABOUR INTENSIVE by the addition of the words “Labour Intensive” at the end of the description for the said item. Where items have been designated as being LABOUR INTENSIVE as described, pricing shall be deemed to include for the carrying out to completion of said item on site by means and methods that rely predominantly on manual labour. As such, no claims shall be entertained regarding any additional time or monetary costs incurred by the use of LABOUR INTENSIVE methods. Further, the Contractor is to note that contravention of the above i.e. use of mechanised, or other systems to carry out LABOUR INTENSIVE work as hereinafter designated, will be viewed and dealt with in an extremely serious light by the Client, as it remains a national imperative to develop, employ and provide skills through the Expanded Public Works Programme.</p> <p><u>General preparation to all surfaces:</u></p> <p>All surfaces (interior and exterior) shall be thoroughly cleaned down before decoration to remove all dirt, grease, dust and rust, etc. as applicable by whatever means necessary without damage to surfaces beneath, and in strict accordance with the paint manufacturers instructions to leave same in perfect condition to receive new paintwork.</p> <p>All surfaces shall be sanded down smooth prior to application of first coat of paint and between succeeding coats.</p> <p>Spot sheets are to be provided to prevent spotting of all adjacent surfaces.</p> <p><u>Finishing coats:</u></p> <p>Bidders are to note that where two or more finishing coats are specified, this is the minimum requirement in order to achieve a finished surface of high quality. Should insufficient cover be achieved after said minimum, additional coats are to be applied at no additional cost to the Contract and to the satisfaction of the Principal Agent. Onus therefore rests on the Contractor to ensure that preparatory work is sufficient.</p> <p><u>Sight lines:</u></p> <p>The Contractor is to note that careful attention is required to ensure that paintwork does not encroach over sight lines. Masking of adjacent surfaces is to be carried out if deemed necessary or if instructed by the Principal Agent, at no additional cost.</p>				
<p style="text-align: right;">Carried to Collection</p> <p>Bill No. 16 Paintwork</p>			R	

	Unit	Quantity	Rate	Amount
<u>Surfaces to be dry:</u>				
All plastered wall and ceiling surfaces shall be perfectly dry prior to application of paint.				
<u>Sanding to timber floors:</u>				
Timber floors are to be sanded as necessary to achieve a smooth surface free of defects, indentations, imperfections and the like, and suitable to painting of a high quality finish. No additional claims in this regard will be entertained.				
<u>Moisture content:</u>				
The moisture level of the substrate must be less than 8% on the BD2 scale measure on the Dozer Hygrometer before applying the primer				
<u>PAINTWORK TO NEW WORK</u>				
<u>ON INTERNAL FLOATED PLASTER SURFACES</u>				
<u>Prepare surface as per manufacturer's specification and apply 1 undercoat & 2 coats Plascon Wall and All</u>				
1	m ²	5 308		
<u>ON PLASTERBOARD SURFACES</u>				
<u>Prepare, stop and apply 1coat Plascon plaster primer (uc 56) and 2ct plascon velvaglo satin sheen white (vl01) sand lightly. When dry. All excess compound to be feathered out and cleaned off, all to manufacturer's specification</u>				
2	m ²	727		
3	m ²	348		
4	m	171		
<u>ON INTERNAL SMOOTH CONCRETE SURFACES</u>				
<u>Prepare surface as per manufacturer's specification and apply 1 undercoat & 2 coats Plascon Velvaglo. Colour RAL 9018, Papyrus White</u>				
5	m ²	11		
<u>ON METAL SURFACES</u>				
<u>Prepare surface as per manufacturer's specification and apply 1 undercoat & 2 coats Plascon Velvaglo.</u>				
6	m ²	80		
7	m ²	20		
Carried to Collection			R	
Bill No. 16 Paintwork				

		Unit	Quantity	Rate	Amount
<u>ON WOOD SURFACES</u>					
<u>Prepare surface as per manufacturer's specification and apply 1 coat primer and 2 coats premium quality polyurethane enamel paint</u>					
8	Doors	m ²	301		
Carried to Collection					R

Amount

BILL NO. 16
PAINTWORK
COLLECTION

Page No

Brought Forward from Page

91

92

93

94

Carried to Summary

R

Bill No.	SUMMARY	Page	Amount
1	EARTHWORKS (PROVISIONAL)	5	
2	CONCRETE, FORMWORK AND REINFORCEMENT	12	
3	MASONRY	17	
4	WATERPROOFING	21	
5	ROOF COVERINGS	27	
6	CARPENTRY AND JOINERY	42	
7	CEILINGS PARTITIONS AND ACCESS FLOORING	47	
8	FLOOR COVERINGS	50	
9	IRONMONGERY	56	
10	STRUCTURAL STEELWORK (PROVISIONAL)	60	
11	METALWORK	68	
12	PLASTERING	73	
13	TILING	77	
14	PLUMBING AND DRAINAGE (PROVISIONAL)	87	
15	GLAZING	90	
16	PAINTWORK	95	
	Carried to Next		
	SUMMARY		R

SECTION NO. 1

SITE WORKS

	Unit	Quantity	Rate	Amount
<p><u>SECTION NO. 1</u> <u>SITE WORKS</u> <u>BILL NO. 1</u> <u>EARTHWORKS</u></p> <p>The bidder is referred to the relevant clauses in the KZN Department of Health Standard Preambles to all Trades Rev 3 - January 2009 (available on request), to the Architectural and Structural/Civil Engineering specifications documents, to the drawings (which are to be read in conjunction with the architectural specification), and to all general and project-specific specifications as contained in the complete Bid Documents. Bidders are thus urged to study these documents as rates will be deemed to be inclusive of all requirements as included in same. Further, should any discrepancy be noted between these Bills of Quantities and the Specifications, the Specifications shall take precedence.</p> <p>Further to the above, Bidders are to note that the latest edition of SANS 10400, current at the time of the tender will form part of the specifications to this contract and as such, pricing shall be deemed to include for complete conformance in all respects to the requirements of SANS 10400.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Working at Heights:</u></p> <p>Bidders are to note that the work to be undertaken will require all necessary scaffolding, due to the heights of the structures to be constructed/altered. Bidders are to therefore price accordingly as rates will be deemed to include for same and no further claims in regard to all necessary scaffolding in the completion of the scope of works will be entertained.</p>				
<p>Section No. 1 Bill No. 1 Earthworks</p>			<p>Carried to Collection</p>	<p>R</p>

	Unit	Quantity	Rate	Amount
<p><u>Labour Intensive</u></p> <p>Bidders are to note well that specific items within these Bills of Quantities have been designated as LABOUR INTENSIVE by the addition of the words “Labour Intensive” at the end of the description for the said item. Where items have been designated as being LABOUR INTENSIVE as described, pricing shall be deemed to include for the carrying out to completion of said item on site by means and methods that rely predominantly on manual labour. As such, no claims shall be entertained regarding any additional time or monetary costs incurred by the use of LABOUR INTENSIVE methods. Further, the Contractor is to note that contravention of the above i.e. use of mechanised, or other systems to carry out LABOUR INTENSIVE work as hereinafter designated, will be viewed and dealt with in an extremely serious light by the Client, as it remains a national imperative to develop, employ and provide skills through the Expanded Public Works Programme.</p> <p><u>Nature of ground</u></p> <p>The nature of the ground is assumed to be loose sandy material, therefore 'earth', but possibly interspersed with 'soft rock' or 'hard rock'</p> <p>A soils investigation has been carried out on the site by the engineer and the report is annexed to these bills of quantities.</p> <p><u>Carting away of excavated material</u></p> <p>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, and dumping at registered dumpsites.</p> <p><u>Bulking</u></p> <p>No allowance has been made for Bulking.</p> <p><u>Filling</u></p> <p>Notwithstanding the reference to prescribed multiple handling in clause 1 page 6 of the Standard System of Measuring Building Work, prices for filling and backfilling shall include for all selection and any necessary multiple handling of material</p> <p><u>Testing</u></p> <p>Prices for filling are to include for all necessary density tests in accordance with the relevant sections of SANS.</p>				
<p style="text-align: right;">Carried to Collection</p> <p>Section No. 1 Bill No. 1 Earthworks</p>			R	

	Unit	Quantity	Rate	Amount
<u>Proximity to existing structures</u>				
Bidders are to note that some of the following measured work is to be undertaken in close proximity to existing buildings. No claims in this regard will be entertained.				
<u>THE FOLLOWING TO COURTYARDS</u>				
<u>Earthworks</u>				
1				
Excavation in earth not exceeding 2m deep for reducing levels under floors				
	m ³	314		
<u>Extra over bulk excavation in soft material for excavation in :</u>				
2				
Soft rock				
	m ³	31		
3				
Intermediate material				
	m ³	25		
4				
Hard rock				
	m ³	16		
5				
Keeping excavations free of all water other than subterranean water				
	Item			
6				
Risk of collapse of sides of trench and hole excavations not exceeding 1,5m deep				
	m ²	112		
<u>Extra over all excavation for carting away</u>				
7				
Surplus material from excavation and/or stock piles on site to a dumping site to be located by the Contractor				
	m ³	314		
8				
150mm Thick earth filling of G2 quality supplied by the contractor compacted to 90% Mod AASHTO density				
	m ³	79		
9				
150mm Thick earth filling of G5 quality supplied by the contractor compacted to 95% Mod AASHTO density				
	m ³	79		
10				
Coarse river sand filling supplied by the contractor				
	m ³	26		
11				
Reinforced concrete Class 25/19 in surface beds				
	m ³	68		
12				
Allow for all necessary concrete test cubes size 150 x 150 x 150mm cast from batches of concrete required for the entire contract as specified, made, stored, cured and tested in accordance with SABS Methods 861 and 863, including use of approved cube moulds, transporting to an approved testing laboratory for testing, paying all charges and submitting reports to the Head: Works				
	Sets	12		
13				
Finishing top surfaces of concrete smooth with a power float to surface beds, slabs, etc to falls				
	m ²	587		
14				
Rough formwork to sides edges, risers, ends and reveals not exceeding 300mm high or wide				
	m	208		
Carried to Collection			R	
Section No. 1				
Bill No. 1				
Earthworks				

		Unit	Quantity	Rate	Amount
15	Expansion joints with bitumen impregnated softboard between vertical concrete surfaces 15mm Joints not exceeding 300mm wide	m	220		
16	3 x 40mm Deep saw cut joints in top of concrete	m	419		
17	REF 193 fabric reinforcement	m ²	587		
18	One layer of 250 micron green polyethylene waterproof sheeting sealed at laps with pressure sensitive tape Under surface beds	m ²	577		
<u>REMOVAL OF TREES ETC</u>					
<u>Cutting down and removing, grubbing up roots and filling in holes</u>					
19	Tree exceeding 500mm and not exceeding 1000mm girth	No	50		
20	Tree exceeding 1000mm and not exceeding 1500mm girth	No	20		
21	Tree exceeding 1500mm and not exceeding 2000mm girth	No	5		
22	Tree exceeding 2000mm and not exceeding 2500mm girth	No	1		
23	Tree exceeding 2500mm and not exceeding 3000mm girth	No	1		
24	Tree exceeding 3000mm and not exceeding 3500mm girth	No	2		
25	Tree exceeding 3500mm and not exceeding 4000mm girth	No	1		
26	Tree exceeding 4000mm and not exceeding 4500mm girth	No	1		
Carried to Collection					
Section No. 1					
Bill No. 1					
Earthworks					
				R	

Amount

BILL NO. 1
EARTHWORKS
COLLECTION

Page No

Brought Forward from Page

1-2

1-3

1-4

1-5

Carried To Section Summary

R

Section No. 1
Bill No. 1
Earthworks

Amount

SECTION NO. 1

SITE WORKS

SECTION SUMMARY

Bill No.

1

EARTHWORKS

Page

1-6

Carried to Final Summary

Section No. 1
SECTION SUMMARY

R

SECTION NO. 2
BULK EARTHWORKS

	Unit	Quantity	Rate	Amount
<p><u>SECTION NO. 2</u> <u>BULK EARTHWORKS</u> <u>BILL NO. 1</u> <u>EARTHWORKS</u></p> <p>The bidder is referred to the relevant clauses in the KZN Department of Health Standard Preambles to all Trades Rev 3 - January 2009 (available on request), to the Architectural and Structural/Civil Engineering specifications documents, to the drawings (which are to be read in conjunction with the architectural specification), and to all general and project-specific specifications as contained in the complete Bid Documents. Bidders are thus urged to study these documents as rates will be deemed to be inclusive of all requirements as included in same. Further, should any discrepancy be noted between these Bills of Quantities and the Specifications, the Specifications shall take precedence.</p> <p>Further to the above, Bidders are to note that the latest edition of SANS 1200 and SANS 10400, current at the time of the tender will form part of the specifications to this contract and as such, pricing shall be deemed to include for complete conformance in all respects to the requirements of SANS 1200 and SANS10400.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Working at Heights:</u></p> <p>Bidders are to note that the work to be undertaken will require all necessary scaffolding, due to the heights of the structures to be constructed/altered. Bidders are to therefore price accordingly as rates will be deemed to include for same and no further claims in regard to all necessary scaffolding in the completion of the scope of works will be entertained.</p>				
<p>Section No. 2 Bill No. 1 Earthworks</p>			<p>Carried to Collection</p>	<p>R</p>

	Unit	Quantity	Rate	Amount
<p><u>Labour Intensive</u></p> <p>Bidders are to note well that specific items within these Bills of Quantities have been designated as LABOUR INTENSIVE by the addition of the words “Labour Intensive” at the end of the description for the said item. Where items have been designated as being LABOUR INTENSIVE as described, pricing shall be deemed to include for the carrying out to completion of said item on site by means and methods that rely predominantly on manual labour. As such, no claims shall be entertained regarding any additional time or monetary costs incurred by the use of LABOUR INTENSIVE methods. Further, the Contractor is to note that contravention of the above i.e. use of mechanised, or other systems to carry out LABOUR INTENSIVE work as hereinafter designated, will be viewed and dealt with in an extremely serious light by the Client, as it remains a national imperative to develop, employ and provide skills through the Expanded Public Works Programme.</p> <p><u>Nature of ground</u></p> <p>The nature of the ground is assumed to be loose sandy material, therefore 'earth', but possibly interspersed with 'soft rock' or 'hard rock'</p> <p>A soils investigation has been carried out on the site by the engineer and the report is annexed to these bills of quantities.</p> <p><u>Carting away of excavated material</u></p> <p>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, and dumping at registered dumpsites.</p> <p><u>Bulking</u></p> <p>No allowance has been made for Bulking.</p> <p><u>Filling</u></p> <p>Notwithstanding the reference to prescribed multiple handling in clause 1 page 6 of the Standard System of Measuring Building Work, prices for filling and backfilling shall include for all selection and any necessary multiple handling of material</p> <p><u>Testing</u></p> <p>Prices for filling are to include for all necessary density tests in accordance with the relevant sections of SANS.</p>				
<p>Section No. 2 Bill No. 1 Earthworks</p>			<p>Carried to Collection</p>	<p>R</p>

	Unit	Quantity	Rate	Amount
<u>Proximity to existing structures</u>				
Bidders are to note that some of the following measured work is to be undertaken in close proximity to existing buildings. No claims in this regard will be entertained.				
<u>SITE CLEARANCE ETC</u>				
<u>Site Clearance</u>				
1				
1				
	m ²	16 298		
2				
2	m ³	4 980		
<u>BULK EXCAVATION, EXCAVATION, FILLING, ETC</u>				
<u>Open face excavation in soft material over sloping site not exceeding 2m deep.</u>				
3				
3	m ³	5 800		
<u>Extra over bulk excavation in soft material for excavation in :</u>				
4				
4	m ³	1 000		
5				
5	m ³	1 200		
6				
6	m ³	250		
7				
7	m ³	700		
<u>Extra over bulk excavations in earth for breaking up and removing</u>				
8				
8	m ³	2		
9				
9	m ³	3		
10				
10	m ³	3		
<u>Extra over all excavation for carting away</u>				
11				
11	m ³	10 780		
<u>Risk of collapse of excavations</u>				
12				
12	m ²	258		
13				
13	m ²	516		
Carried to Collection			R	
Section No. 2				
Bill No. 1				
Earthworks				

		Unit	Quantity	Rate	Amount
	<u>Keeping excavation free of water</u>				
14	Keep bulk excavations free of water by pumping or bailing (allowance per m3 of excavation)	Item			
	<u>FILLING, ETC</u>				
	<u>Filling of gravel-soil material G8 supplied by the contractor, compacted to 93% Mod AASHTO density</u>				
15	Over site to make up levels	m ³	1 800		
			Carried to Collection		
				R	
Section No. 2					
Bill No. 1					
Earthworks					

Amount

BILL NO. 1
EARTHWORKS
COLLECTION

Page No

Brought Forward from Page

2-2

2-3

2-4

2-5

Carried To Section Summary

R

Section No. 2
Bill No. 1
Earthworks

Amount

SECTION NO. 2

BULK EARTHWORKS

SECTION SUMMARY

Bill No.

1

EARTHWORKS

Page

2-6

Carried to Final Summary

Section No. 2
SECTION SUMMARY

R

SECTION NO. 3

ROADWORKS

Unit Quantity Rate Amount

SECTION NO. 3

ROADWORKS

BILL NO. 1

EARTHWORKS

The bidder is referred to the relevant clauses in the KZN Department of Health Standard Preambles to all Trades Rev 3 - January 2009 (available on request), to the Architectural and Structural/Civil Engineering specifications documents, to the drawings (which are to be read in conjunction with the architectural specification), and to all general and project-specific specifications as contained in the complete Bid Documents. Bidders are thus urged to study these documents as rates will be deemed to be inclusive of all requirements as included in same. Further, should any discrepancy be noted between these Bills of Quantities and the Specifications, the Specifications shall take precedence.

Further to the above, Bidders are to note that the latest edition of SANS 10400, current at the time of the tender will form part of the specifications to this contract and as such, pricing shall be deemed to include for complete conformance in all respects to the requirements of SANS 10400.

SUPPLEMENTARY PREAMBLES

Working at Heights:

Bidders are to note that the work to be undertaken will require all necessary scaffolding, due to the heights of the structures to be constructed/altered. Bidders are to therefore price accordingly as rates will be deemed to include for same and no further claims in regard to all necessary scaffolding in the completion of the scope of works will be entertained.

Carried to Collection

R

Section No. 3

Bill No. 1

Earthworks

	Unit	Quantity	Rate	Amount
<p><u>Labour Intensive</u></p> <p>Bidders are to note well that specific items within these Bills of Quantities have been designated as LABOUR INTENSIVE by the addition of the words “Labour Intensive” at the end of the description for the said item. Where items have been designated as being LABOUR INTENSIVE as described, pricing shall be deemed to include for the carrying out to completion of said item on site by means and methods that rely predominantly on manual labour. As such, no claims shall be entertained regarding any additional time or monetary costs incurred by the use of LABOUR INTENSIVE methods. Further, the Contractor is to note that contravention of the above i.e. use of mechanised, or other systems to carry out LABOUR INTENSIVE work as hereinafter designated, will be viewed and dealt with in an extremely serious light by the Client, as it remains a national imperative to develop, employ and provide skills through the Expanded Public Works Programme.</p> <p><u>Nature of ground</u></p> <p>The nature of the ground is assumed to be loose sandy material, therefore 'earth', but possibly interspersed with 'soft rock' or 'hard rock'</p> <p>A soils investigation has been carried out on the site by the engineer and the report is annexed to these bills of quantities.</p> <p><u>Carting away of excavated material</u></p> <p>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, and dumping at registered dumpsites.</p> <p><u>Bulking</u></p> <p>No allowance has been made for Bulking.</p> <p><u>Filling</u></p> <p>Notwithstanding the reference to prescribed multiple handling in clause 1 page 6 of the Standard System of Measuring Building Work, prices for filling and backfilling shall include for all selection and any necessary multiple handling of material</p> <p><u>Testing</u></p> <p>Prices for filling are to include for all necessary density tests in accordance with the relevant sections of SANS.</p>				
<p style="text-align: right;">Carried to Collection</p> <p>Section No. 3 Bill No. 1 Earthworks</p>			R	

	Unit	Quantity	Rate	Amount
<u>Proximity to existing structures</u>				
Bidders are to note that some of the following measured work is to be undertaken in close proximity to existing buildings. No claims in this regard will be entertained.				
<u>EXCAVATION ETC</u>				
<u>Excavation in earth not exceeding 2m deep</u>				
1				
1	m ³	3 507		
<u>Extra over trench and hole excavations in earth for excavation in</u>				
2	m ³	351		
3	m ³	281		
4	m ³	175		
<u>Extra over all excavations for carting away</u>				
5	m ³	3 507		
<u>Keeping excavations free of water</u>				
6	Item			
<u>Base course constructed of filling supplied from by contractor</u>				
7	m ³	520		
8	m ³	1 600		
9	m ³	1 940		
10	m ³	111		
<u>Compaction of surfaces</u>				
11	m ²	3 684		
			R	
Carried to Collection				
Section No. 3				
Bill No. 1				
Earthworks				

		Unit	Quantity	Rate	Amount
12	Compact ground surfaces under pavings,roads, etc including scarifying for a depth of 300mm, adding G8 material where necessary and compacting to a minimum CBR of 93% Mod AASHTO	m ²	2 400		
	<u>Prescribed density tests on filling</u>				
13	Mod. AASHTO Density test	No	24		
14	California Bearing Ratio test	No	6		
15	Field density test including Optimum Moisture Content (four reading per test)	No	32		
16	Atterberg limits tests, carried out at an approved laboratory, of representative samples of fill material as indicated on site by the Engineer (minimum set of three)	No	12		
	<u>Prepare and apply one coat reflective road marking paint on bituminous road surfacing, precast concrete,paving blocks, etc</u>				
17	100mm Wide white lines (un-broken) with an approved road marking paint.	m	210		
18	900mm High white or yellow lettering or numeral with an approved road marking paint.	No	68		
19	4000mm High white STOP sign lettering with an approved road marking paint. (GM7.1)	No	4		
20	300mm Wide x 4000mm High white ARROW sign with an approved road marking paint. (WM7.3)	No	3		
21	Paraplegic parking sign with an approved road marking paint. (RM17.3)	No	4		
	<u>ROAD SIGNS</u>				
22	900mm Diameter regulation stop sign in accordance with SABS 1519 fitted and fixed on creosoted pole, 4500mm high bedded in 450 x 450 x 600mm deep 25Mpa concrete footing, including all necessary excavation, etc.	No	1		
	<u>PRECAST AND BRICK PAVING</u>				
	<u>"Corobrik PA Paver- Burgundy" or other approved 200 x 95mm brick paving on and including 20mm thick layer of river sand</u>				
23	65mm Paving in herringbone pattern to pedestrain areas, etc to falls	m ²	1 488		
24	Extra over for straight edge blocks.	m	1 210		
	Carried to Collection			R	
	Section No. 3				
	Bill No. 1				
	Earthworks				

		Unit	Quantity	Rate	Amount
	<u>"Corobrik PA Paver- Corolock" or other approved paving bricks with butt joints on 25mm thick river sand bed with sand swept into joints (preparation of ground or filling elsewhere)</u>				
25	80mm Paving in herringbone pattern to parking areas, etc to falls	m ²	2 196		
26	Extra over for straight edge blocks.	m	551		
	<u>Sundries</u>				
27	Apply "Bromosil" or other approved herbicide to river-sand bedding under paving in strict accordance with the manufacturers instructions.	m ²	3 684		
	<u>PRECAST KERBS, ACCESSORIES, ETC.</u>				
	<u>Precast concrete finishes smooth on exposed surfaces including bedding, cutting and pointing</u>				
28	Kerb (SABS 927 fig 3) with 450 x 125mm unreinforced concrete footing, 150 x 150mm Class C triangular concrete haunching at back of each joint and Class C concrete infill in front with cement grouted joints, including excavation, backfilling, etc	m	25		
29	Kerb (SABS 927 fig 6) with 445 x 100mm unreinforced concrete footing, 150 x 150mm Class C triangular concrete haunching at back of each joint and Class C concrete infill in front with cement grouted joints, including excavation, backfill, etc.	m	1 172		
30	Kerb (SABS 927 fig 6) with 445 x 100mm unreinforced concrete footing, 150 x 150mm Class C triangular concrete haunching at back of each joint, circular on plan not exceeding 4m radius formed with short lengths of straight kerb, including excavation, backfill, etc.	m	30		
31	Kerb (SABS 927 fig 12) with 225 x 100mm unreinforced concrete footing, 75 x 75mm Class C triangular concrete haunching at back of each joint and Class C concrete infill in front with cement grouted joints, including excavation, backfill, etc.	m	577		
32	Kerb (SABS 927 fig 12) with 225 x 100mm unreinforced concrete footing, 75 x 75mm Class C triangular concrete haunching at back of each joint and Class C concrete infill in front with cement grouted joints, circular on plan not exceeding 4m radius formed with short lengths of straight kerb, including excavation, backfill, etc.	m	27		
	Carried to Collection				R
	Section No. 3				
	Bill No. 1				
	Earthworks				

		Unit	Quantity	Rate	Amount
<u>BOLLARDS, ETC.</u>					
<u>Stainless steel bollards including "Handel" or other approved three pin locking mechanism, 10mm locking shaft through length, baseplate, guide plate, etc. :</u>					
33	Bollard 1232mm high (Architectural Specification Document - page 111).	No	5		
<u>"Canon" or other approved cast iron bollard</u>					
34	150mm Diameter x 1200mm High removable bollard on and including galvanised base tube cast 300mm deep into 25Mpa mass concrete base size 500 x 500 x 500mm, with top of base tube flush with natural ground level, including excavations, carting away, formwork, etc.	No	3		
				Carried to Collection	R
Section No. 3					
Bill No. 1					
Earthworks					

Amount

BILL NO. 1
EARTHWORKS
COLLECTION

Page No

Brought Forward from Page

3-2

3-3

3-4

3-5

3-6

3-7

Carried To Section Summary

R

Section No. 3
Bill No. 1
Earthworks

Amount

SECTION NO. 3

ROADWORKS

SECTION SUMMARY

Bill No.

1

EARTHWORKS

Page

3-8

Carried to Final Summary

Section No. 3
SECTION SUMMARY

R

SECTION NO. 4
FENCING AND GATES

Unit Quantity Rate Amount

SECTION NO. 4

FENCING AND GATES

BILL NO. 1

PERIMETER FENCING

SUPPLEMENTARY PREAMBLES

The bidder is referred to the relevant clauses in the KZN Department of Health Standard Preambles to all Trades Rev 3 - January 2009 (available on request), to the Architectural and Structural/Civil Engineering specifications documents, to the drawings (which are to be read in conjunction with the architectural specification), and to all general and project-specific specifications as contained in the complete Bid Documents. Bidders are thus urged to study these documents as rates will be deemed to be inclusive of all requirements as included in same. Further, should any discrepancy be noted between these Bills of Quantities and the Specifications, the Specifications shall take precedence.

Further to the above, Bidders are to note that the latest edition of SANS 10400, current at the time of the tender will form part of the specifications to this contract and as such, pricing shall be deemed to include for complete conformance in all respects to the requirements of SANS 10400.

Working at Heights

Bidders are to note that the work to be undertaken will require all necessary scaffolding, due to the heights of the structures to be constructed/altered. Bidders are to therefore price accordingly as rates will be deemed to include for same and no further claims in regard to all necessary scaffolding in the completion of the scope of works will be entertained.

Carried to Collection

R

Section No. 4
 Bill No. 1
 Perimeter Fencing

	Unit	Quantity	Rate	Amount
<u>Labour Intensive</u>				
<p>Bidders are to note well that specific items within these Bills of Quantities have been designated as LABOUR INTENSIVE by the addition of the words "Labour Intensive" at the end of the description for the said item. Where items have been designated as being LABOUR INTENSIVE as described, pricing shall be deemed to include for the carrying out to completion of said item on site by means and methods that rely predominantly on manual labour. As such, no claims shall be entertained regarding any additional time or monetary costs incurred by the use of LABOUR INTENSIVE methods. Further, the Contractor is to note that contravention of the above i.e. use of mechanised, or other systems to carry out LABOUR INTENSIVE work as hereinafter designated, will be viewed and dealt with in an extremely serious light by the Client, as it remains a national imperative to develop, employ and provide skills through the Expanded Public Works Programme.</p>				
<u>FENCING</u>				
<u>"Cochrane ClearVu" Hot-dipped security fencing galvanised with and including marine fusion bond coated security fence with posts, stays, gates, etc. including hot-dipped galvanised steel bolts, etc., site clearance and preparation of ground</u>				
1	m	553		
<u>Hot dipped galvanised posts</u>				
2	No	280		
3	No	24		
4	No	4		
Carried to Collection			R	
<p>Section No. 4 Bill No. 1 Perimeter Fencing</p>				

		Unit	Quantity	Rate	Amount
5	100mm Diameter x 3mm galvanised gate or straining post 1800mm long with cap to top end and other end welded to 300 x 300 x 6mm thick plate cast in and in 450 x 450 x 900mm deep concrete base. (base elsewhere measured) (Labour Intensive)	No	4		
6	100mm Diameter x 3mm galvanised gate or straining post 3300mm long with cap to top end and other end welded to 300 x 300 x 6mm thick plate cast in and in 450 x 450 x 900mm deep concrete base. (base elsewhere measured) (Labour Intensive)	No	2		
7	100mm Diameter x 3mm galvanised gate or straining post 6000mm long with cap to top end and other end welded to 300 x 300 x 6mm thick plate cast in and in 450 x 450 x 900mm deep concrete base. (base elsewhere measured) (Labour Intensive)	No	2		
<u>The following in 20MPa/19mm concrete bases</u>					
8	Unreinforced concrete fence post base size 400 x 400 x 600mm deep, including all necessary excavation, formwork, etc. (Labour Intensive)	No	280		
9	Unreinforced concrete" fence post base size 450 x 450 x 900mm deep, including all necessary excavation, formwork, etc. (Labour Intensive)	No	36		
<u>Gates, etc as per architects drawing No. 23002 - TD 401 REV A</u>					
10	1000 x 2100mm High Pedestrian gate with and including "Cisa" gate locking mechanism, as per specialist's details (G02)	No	12		
11	1500 x 2100mm High double swing gate with and including "Cisa" gate locking mechanism, as per specialist's details (G04)	No	2		
12	1800 x 2100mm High double swing gate with and including "Cisa" gate locking mechanism, as per specialist's details (G03)	No	2		
13	3300 x 2100mm High double swing gate with and including "Cisa" gate locking mechanism, as per specialist's details (G05)	No	1		
14	6000 x 2100mm High sliding gate on steel track with and including "Cisa" gate locking mechanism, as per specialist's details (G01)	No	1		
Carried to Collection					
Section No. 4					
Bill No. 1					
Perimeter Fencing					
				R	

Amount

BILL NO. 1
PERIMETER FENCING
COLLECTION

Page No

Brought Forward from Page

4-2

4-3

4-4

Carried To Section Summary

R

Section No. 4
Bill No. 1
Perimeter Fencing

Amount

SECTION NO. 4
FENCING AND GATES
SECTION SUMMARY

Bill No.

1 PERIMETER FENCING

Page

4-5

Carried to Final Summary

Section No. 4
SECTION SUMMARY

4-6

R

SECTION NO. 5
SOIL DRAINAGE

	Unit	Quantity	Rate	Amount
<p><u>SECTION NO. 5</u> <u>SOIL DRAINAGE</u> <u>BILL NO. 1</u> <u>EXTERNAL WORKS</u></p> <p>The bidder is referred to the relevant clauses in the KZN Department of Health Standard Preambles to all Trades Rev 3 - January 2009 (available on request), to the Architectural and Structural/Civil Engineering specifications documents, to the drawings (which are to be read in conjunction with the architectural specification), and to all general and project-specific specifications as contained in the complete Bid Documents. Bidders are thus urged to study these documents as rates will be deemed to be inclusive of all requirements as included in same. Further, should any discrepancy be noted between these Bills of Quantities and the Specifications, the Specifications shall take precedence.</p> <p>Further to the above, Bidders are to note that the latest edition of SANS 10400, current at the time of the tender will form part of the specifications to this contract and as such, pricing shall be deemed to include for complete conformance in all respects to the requirements of SANS 10400.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Insert preambles/specifications as may be required or in order to supplement any applicable preambles, specifications or bills of quantities descriptions</p> <p>Take note that these Model Bills of Quantities utilise abbreviated descriptions</p>				
<p>Section No. 5 Bill No. 1 External Works</p>			<p>Carried to Collection</p>	<p>R</p>

	Unit	Quantity	Rate	Amount
<p>The Model Preambles for Trades 2008 published by the Association of South African Quantity Surveyors is designed to support and extend the abbreviated bills of quantities descriptions by inter alia referring to SANS construction standards . Where such model 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 applicable measuring system , represents the full description by extending the abbreviated bills of quantities descriptions and/or by inserting appropriate preambles or specifications</p> <p>Consider inserting the preambles hereunder when using the abovementioned Model Preambles for Trades 2008</p> <p><u>Working at Heights</u></p> <p>Bidders are to note that the work to be undertaken will require all necessary scaffolding, due to the heights of the structures to be constructed/altered. Bidders are to therefore price accordingly as rates will be deemed to include for same and no further claims in regard to all necessary scaffolding in the completion of the scope of works will be entertained.</p> <p><u>Labour Intensive</u></p> <p>Bidders are to note well that specific items within these Bills of Quantities have been designated as LABOUR INTENSIVE by the addition of the words “Labour Intensive” at the end of the description for the said item. Where items have been designated as being LABOUR INTENSIVE as described, pricing shall be deemed to include for the carrying out to completion of said item on site by means and methods that rely predominantly on manual labour. As such, no claims shall be entertained regarding any additional time or monetary costs incurred by the use of LABOUR INTENSIVE methods. Further, the Contractor is to note that contravention of the above i.e. use of mechanised, or other systems to carry out LABOUR INTENSIVE work as hereinafter designated, will be viewed and dealt with in an extremely serious light by the Client, as it remains a national imperative to develop, employ and provide skills through the Expanded Public Works Programme.</p>				
<p style="text-align: right;">Carried to Collection</p> <p>Section No. 5 Bill No. 1 External Works</p>			R	

	Unit	Quantity	Rate	Amount
<u>SOIL DRAINAGE</u>				
<u>uPVC Class 34 pipes</u>				
1	m	93		
2	m	93		
3	m	144		
<u>Extra over uPVC Class 34 pipes for fittings</u>				
4	No	30		
5	No	20		
<u>Pipe excavation sundries</u>				
6	m ³	540		
<u>GULLIES</u>				
7	No	21		
8	No	21		
<u>SOIL DRAIN INSPECTION CHAMBERS, MANHOLES, ETC</u>				
<u>Precast concrete circular inspection chambers (covers elsewhere measured) including excavations in soft material, risk of collapse, backfilling, etc</u>				
9	No	7		
10	No	6		
Carried to Collection			R	
Section No. 5				
Bill No. 1				
External Works				

		Unit	Quantity	Rate	Amount
11	Inspection chamber 1000mm diameter and exceeding 2000mm and not exceeding 2500mm deep internally. (Labour Intensive)	No	6		
12	Inspection chamber 1000mm diameter and exceeding 2500mm and not exceeding 3000mm deep internally. (Labour Intensive)	No	5		
<u>Gratings, covers, etc</u>					
13	Type 4A Fiberrite or other approved composite circular manhole cover and frame. (Labour Intensive)	No	24		
<u>Sundries</u>					
14	Cast iron step iron embedded in side of inspection chamber	No	115		
15	Cutting into side of existing inspection chamber for and connecting 160mm pipe including inserting 160mm channel junction and making good concrete benching. (Labour Intensive)	No	1		
16	Allow for testing the complete drainage installation by visual and Air Pressure test to the satisfaction of the Engineer. (All defective work to be replaced at the Contractor's expense)	Item			
				Carried to Collection	R
Section No. 5					
Bill No. 1					
External Works					

Amount

BILL NO. 1
EXTERNAL WORKS
COLLECTION

Page No

Brought Forward from Page

5-2

5-3

5-4

5-5

Carried To Section Summary

R

Section No. 5
Bill No. 1
External Works

Amount

SECTION NO. 5
SOIL DRAINAGE
SECTION SUMMARY

Bill No.

1 EXTERNAL WORKS

Page

5-6

Carried to Final Summary

Section No. 5
SECTION SUMMARY

R

SECTION NO. 6

SEPTIC TANKS AND SOAK AWAYS

Unit Quantity Rate Amount

SECTION NO. 6

SEPTIC TANKS AND SOAK AWAYS

BILL NO. 1

EARTHWORKS

The bidder is referred to the relevant clauses in the KZN Department of Health Standard Preambles to all Trades Rev 3 - January 2009 (available on request), to the Architectural and Structural/Civil Engineering specifications documents, to the drawings (which are to be read in conjunction with the architectural specification), and to all general and project-specific specifications as contained in the complete Bid Documents. Bidders are thus urged to study these documents as rates will be deemed to be inclusive of all requirements as included in same. Further, should any discrepancy be noted between these Bills of Quantities and the Specifications, the Specifications shall take precedence.

Further to the above, Bidders are to note that the latest edition of SANS 10400, current at the time of the tender will form part of the specifications to this contract and as such, pricing shall be deemed to include for complete conformance in all respects to the requirements of SANS 10400.

SUPPLEMENTARY PREAMBLES

Working at Heights:

Bidders are to note that the work to be undertaken will require all necessary scaffolding, due to the heights of the structures to be constructed/altered. Bidders are to therefore price accordingly as rates will be deemed to include for same and no further claims in regard to all necessary scaffolding in the completion of the scope of works will be entertained.

Carried to Collection

R

Section No. 6

Bill No. 1

Earthworks

	Unit	Quantity	Rate	Amount
<p><u>Labour Intensive</u></p> <p>Bidders are to note well that specific items within these Bills of Quantities have been designated as LABOUR INTENSIVE by the addition of the words “Labour Intensive” at the end of the description for the said item. Where items have been designated as being LABOUR INTENSIVE as described, pricing shall be deemed to include for the carrying out to completion of said item on site by means and methods that rely predominantly on manual labour. As such, no claims shall be entertained regarding any additional time or monetary costs incurred by the use of LABOUR INTENSIVE methods. Further, the Contractor is to note that contravention of the above i.e. use of mechanised, or other systems to carry out LABOUR INTENSIVE work as hereinafter designated, will be viewed and dealt with in an extremely serious light by the Client, as it remains a national imperative to develop, employ and provide skills through the Expanded Public Works Programme.</p> <p><u>Nature of ground</u></p> <p>The nature of the ground is assumed to be loose sandy material, therefore 'earth', but possibly interspersed with 'soft rock' or 'hard rock'</p> <p>A soils investigation has been carried out on the site by the engineer and the report is annexed to these bills of quantities.</p> <p><u>Carting away of excavated material</u></p> <p>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, and dumping at registered dumpsites.</p> <p><u>Bulking</u></p> <p>No allowance has been made for Bulking.</p> <p><u>Filling</u></p> <p>Notwithstanding the reference to prescribed multiple handling in clause 1 page 6 of the Standard System of Measuring Building Work, prices for filling and backfilling shall include for all selection and any necessary multiple handling of material</p> <p><u>Testing</u></p> <p>Prices for filling are to include for all necessary density tests in accordance with the relevant sections of SANS.</p>				
<p>Section No. 6 Bill No. 1 Earthworks</p>			<p>Carried to Collection</p>	<p>R</p>

	Unit	Quantity	Rate	Amount
<u>Proximity to existing structures</u>				
Bidders are to note that some of the following measured work is to be undertaken in close proximity to existing buildings. No claims in this regard will be entertained.				
<u>The following in Septic Tanks</u>				
<u>EARTHWORKS</u>				
<u>Excavations in earth not exceeding 2m deep</u>				
1	Holes	m ³	77	
<u>Excavations in earth exceeding 2m and not exceeding 4m deep</u>				
2	Holes	m ³	27	
<u>Extra over bulk excavation in soft material for excavation in :</u>				
3	Soft rock	m ³	10	
4	Intermediate material	m ³	8	
5	Hard rock	m ³	5	
<u>Extra over all excavation for carting away</u>				
6	Surplus material from excavation and/or stock piles on site to a dumping site to be located by the Contractor	m ³	104	
<u>Risk of collapse of excavations</u>				
7	Sides of bulk excavations not exceeding 1,5m deep.	m ²	56	
8	Sides of bulk excavations exceeding 1,5m deep	m ²	45	
<u>Keeping excavation free of water</u>				
9	Keeping excavations free of all water other than subterranean water	Item		
<u>FILLING ETC</u>				
<u>Compaction of surfaces</u>				
10	Compaction of natural or excavated ground surface under floors etc, including scarifying for a depth of 150mm, breaking down oversize material, adding suitable G8 material where necessary and compacting to 93% Mod AASHTO density	m ²	38	
<u>Filling of natural gravel material G5 supplied by the contractor, compacted to 98% Mod AASHTO density</u>				
11	Backfilling to trenches, holes, etc	m ³	45	
Carried to Collection				
Section No. 6				
Bill No. 1				
Earthworks				
			R	

	Unit	Quantity	Rate	Amount
<u>Selected topsoil filling obtained from the excavations and/or prescribed stock piles on site, lightly consolidated</u>				
12	Over site	m ³	6	
<u>WEED KILLERS, INSECTICIDES, ETC</u>				
<u>Soil insecticide in accordance with SANS 5859</u>				
13	To bottoms and sides of trenches etc	m ²	140	
<u>TESTS</u>				
<u>Prescribed tests to determine degree of compaction or other properties of ground or filling</u>				
14	Modified AASHTO Density test	No	5	
<u>THE FOLLOWING IN SOAKAWAY</u>				
<u>EARTHWORKS</u>				
<u>Excavations in earth not exceeding 2m deep</u>				
15	Holes	m ³	29	
<u>Extra over bulk excavation in soft material for excavation in :</u>				
16	Soft rock	m ³	3	
17	Intermediate material	m ³	2	
18	Hard rock	m ³	1	
<u>Extra over all excavation for carting away</u>				
19	Surplus material from excavation and/or stock piles on site to a dumping site to be located by the Contractor	m ³	29	
<u>Risk of collapse of excavations</u>				
20	Sides of bulk excavations not exceeding 1,5m deep.	m ²	95	
21	Sides of bulk excavations exceeding 1,5m deep	m ²	13	
<u>Keeping excavation free of water</u>				
22	Keeping excavations free of all water other than subterranean water	Item		
<u>FILLING ETC</u>				
<u>Earth filling obtained from the excavations (not compacted)</u>				
23	To top of soakaway	m ³	2	
24	Coarse river sand supplied by the contractor to top of soakaway	m ³	2	
Carried to Collection			R	
Section No. 6				
Bill No. 1				
Earthworks				

		Unit	Quantity	Rate	Amount
<u>Compaction of surfaces</u>					
25	Compaction of natural or excavated ground surface under floors etc, including scarifying for a depth of 150mm, breaking down oversize material, adding suitable G8 material where necessary and compacting to 93% Mod AASHTO density	m ²	17		
<u>"Kaytech" or other approved geofabric material</u>					
26	A2 Bidum geofabric material	m ²	133		
<u>TESTS</u>					
<u>Prescribed tests to determine degree of compaction or other properties of ground or filling</u>					
27	Modified AASHTO Density test	No	6		
<u>In-situ concrete collar</u>					
28	300 x 500 x 150mm high concrete collar	No	6		
Carried to Collection				R	
Section No. 6					
Bill No. 1					
Earthworks					

Amount

BILL NO. 1
EARTHWORKS
COLLECTION

Page No

Brought Forward from Page

6-2

6-3

6-4

6-5

6-6

Carried To Section Summary

R

Section No. 6
Bill No. 1
Earthworks

Unit Quantity Rate Amount

SECTION NO. 6

SEPTIC TANKS AND SOAK AWAYS

BILL NO. 2

CONCRETE, FORMWORK AND REINFORCEMENT

The bidder is referred to the relevant clauses in the KZN Department of Health Standard Preambles to all Trades Rev 3 - January 2009 (available on request), to the Architectural and Structural/Civil Engineering specifications documents, to the drawings (which are to be read in conjunction with the architectural specification), and to all general and project-specific specifications as contained in the complete Bid Documents. Bidders are thus urged to study these documents as rates will be deemed to be inclusive of all requirements as included in same. Further, should any discrepancy be noted between these Bills of Quantities and the Specifications, the Specifications shall take precedence.

Further to the above, Bidders are to note that the latest edition of SANS 10400, current at the time of the tender will form part of the specifications to this contract and as such, pricing shall be deemed to include for complete conformance in all respects to the requirements of SANS 10400.

SUPPLEMENTARY PREAMBLES

Working at Heights

Bidders are to note that the work to be undertaken will require all necessary scaffolding, due to the heights of the structures to be constructed/altered. Bidders are to therefore price accordingly as rates will be deemed to include for same and no further claims in regard to all necessary scaffolding in the completion of the scope of works will be entertained.

Carried to Collection

R

Section No. 6
 Bill No. 2
 Concrete, Formwork And Reinforcement

	Unit	Quantity	Rate	Amount
<p><u>Labour Intensive</u></p> <p>Bidders are to note well that specific items within these Bills of Quantities have been designated as LABOUR INTENSIVE by the addition of the words “Labour Intensive” at the end of the description for the said item. Where items have been designated as being LABOUR INTENSIVE as described, pricing shall be deemed to include for the carrying out to completion of said item on site by means and methods that rely predominantly on manual labour. As such, no claims shall be entertained regarding any additional time or monetary costs incurred by the use of LABOUR INTENSIVE methods. Further, the Contractor is to note that contravention of the above i.e. use of mechanised, or other systems to carry out LABOUR INTENSIVE work as hereinafter designated, will be viewed and dealt with in an extremely serious light by the Client, as it remains a national imperative to develop, employ and provide skills through the Expanded Public Works Programme.</p> <p><u>Concrete</u></p> <p>Rates for concrete shall be deemed to include for all necessary transportation, hoisting, etc. to render a perfect, sound and stable installation all to the satisfaction of the Structural Engineer.</p> <p>Bidders are to note that delay claims related to the supply of concrete decking, reinforcement, etc. will not be entertained and are thus urged to take cognisance of quantities required and secure supply accordingly</p> <p><u>Cost of tests</u></p> <p>The costs of making, storing and testing of concrete test cubes as required under the relevent part of SANS, shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the principal agent. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval of the principal agent. (Test cubes are measured separately).</p> <p><u>Formwork</u></p> <p>Formwork to soffits of solid slabs shall be deemed to be to slabs not exceeding 250mm thick unless otherwise described</p> <p>Formwork to soffits of slabs and beams shall be deemed to be propped up exceeding 1,5m and not exceeding 3,5m high unless otherwise described</p>				
<p style="text-align: right;">Carried to Collection</p> <p>Section No. 6 Bill No. 2 Concrete, Formwork And Reinforcement</p>			R	

	Unit	Quantity	Rate	Amount
<p>Formwork to sides of bases, pile caps, ground beams 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"</p>				
<p><u>Finishing</u></p> <p>Finishing the surfaces of surface beds and slabs level and smooth to receive screed, grano or any other finish are deemed to be included in the rate for the surface bed or slab.</p>				
<p><u>Mesh reinforcement</u></p> <p>Mesh reinforcement is measured net, contractor to take consideration of lapping</p>				
<p><u>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u></p>				
<p><u>15Mpa/19mm concrete</u></p>				
1	m ³	2		
<p><u>REINFORCED CONCRETE CAST ON/IN FORMWORK</u></p>				
<p><u>25MPa/19mm concrete</u></p>				
2	m ³	5		
3	m ³	13		
<p><u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u></p>				
<p><u>25MPa/19mm concrete</u></p>				
4	m ³	8		
<p><u>TEST CUBES</u></p>				
<p><u>Test Cubes</u></p>				
5	No	15		
<p><u>CONCRETE SUNDRIES</u></p>				
<p><u>Finishing top surfaces of concrete smooth with a wood float</u></p>				
6	m ²	57		
			R	
Carried to Collection				
<p>Section No. 6 Bill No. 2 Concrete, Formwork And Reinforcement</p>				

	Unit	Quantity	Rate	Amount
<u>ROUGH FORMWORK (DEGREE OF ACCURACY II)</u>				
<u>(CPAP WORK GROUP NO. 111)</u>				
<u>Rough formwork to sides</u>				
7	Walls in foundations (Provisional)	m ²	138	
<u>Rough formwork to soffits</u>				
8	Slabs propped up exceeding 1.5m and not exceeding 3.5m high	m ²	13	
<u>REINFORCEMENT (PROVISIONAL) (CPAP WORK GROUP NO. 114)</u>				
<u>Mild steel reinforcement to structural concrete work</u>				
9	Bars of various diameter	Tonnes	0.80	
<u>High tensile steel reinforcement to structural concrete work</u>				
10	Bars of various diameter	Tonnes	3.18	
Carried to Collection				R
Section No. 6				
Bill No. 2				
Concrete, Formwork And Reinforcement				

Amount

BILL NO. 2
CONCRETE, FORMWORK AND REINFORCEMENT
COLLECTION

Page No

Brought Forward from Page

6-8

6-9

6-10

6-11

Carried To Section Summary

R

Section No. 6
Bill No. 2
Concrete, Formwork And Reinforcement

6-12

Unit Quantity Rate Amount

SECTION NO. 6

SEPTIC TANKS AND SOAK AWAYS

BILL NO. 3

WATERPROOFING

The bidder is referred to the relevant clauses in the KZN Department of Health Standard Preambles to all Trades Rev 3 - January 2009 (available on request), to the Architectural and Structural/Civil Engineering specifications documents, to the drawings (which are to be read in conjunction with the architectural specification), and to all general and project-specific specifications as contained in the complete Bid Documents. Bidders are thus urged to study these documents as rates will be deemed to be inclusive of all requirements as included in same. Further, should any discrepancy be noted between these Bills of Quantities and the Specifications, the Specifications shall take precedence.

Further to the above, Bidders are to note that the latest edition of SANS 10400, current at the time of the tender will form part of the specifications to this contract and as such, pricing shall be deemed to include for complete conformance in all respects to the requirements of SANS 10400.

SUPPLEMENTARY PREAMBLES

Working at Heights

Bidders are to note that the work to be undertaken will require all necessary scaffolding, due to the heights of the structures to be constructed/altered. Bidders are to therefore price accordingly as rates will be deemed to include for same and no further claims in regard to all necessary scaffolding in the completion of the scope of works will be entertained.

Carried to Collection

R

Section No. 6

Bill No. 3

Waterproofing

	Unit	Quantity	Rate	Amount
<p><u>Labour Intensive</u></p> <p>Bidders are to note well that specific items within these Bills of Quantities have been designated as LABOUR INTENSIVE by the addition of the words "Labour Intensive" at the end of the description for the said item. Where items have been designated as being LABOUR INTENSIVE as described, pricing shall be deemed to include for the carrying out to completion of said item on site by means and methods that rely predominantly on manual labour. As such, no claims shall be entertained regarding any additional time or monetary costs incurred by the use of LABOUR INTENSIVE methods. Further, the Contractor is to note that contravention of the above i.e. use of mechanised, or other systems to carry out LABOUR INTENSIVE work as hereinafter designated, will be viewed and dealt with in an extremely serious light by the Client, as it remains a national imperative to develop, employ and provide skills through the Expanded Public Works Programme.</p>				
<p><u>Waterproofing</u></p> <p>Waterproofing of roofs, basements, etc shall be laid under a ten year guarantee. Waterproofing to roofs shall be laid to even falls to outlets etc with necessary ridges, hips and valleys. Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs</p>				
<p><u>Proprietary branded products:</u></p> <p>Proprietary branded products are to be applied in strict accordance with the manufacturers instructions. Should the manufacturers instructions be found not to have been followed in any process relating to the product in relation to, but not limited to transportation, application (rates and methodology), treatment of existing surfaces etc., then all liability for such product shall be transferred to the appointed Main Contractor.</p>				
<p><u>DAMP-PROOFING OF WALLS AND FLOORS</u></p>				
<p><u>Two coats bitumen emulsion waterproof coating</u></p>				
1	m ²	64		
<p>On concrete walls and columns in foundations (Provisional)</p>				
<p><u>WATERPROOFING</u></p>				
<p><u>"Prostruct" 526 MCI, or other approved, Cementitious waterproofing system</u></p>				
2	m ²	92		
<p>On floors and walls</p>				
			Carried to Collection	R
<p>Section No. 6 Bill No. 3 Waterproofing</p>				

Amount

BILL NO. 3
WATERPROOFING
COLLECTION

Page No

Brought Forward from Page

6-13

6-14

Carried To Section Summary

R

Section No. 6
Bill No. 3
Waterproofing

	Unit	Quantity	Rate	Amount
<p><u>SECTION NO. 6</u> <u>SEPTIC TANKS AND SOAK AWAYS</u> <u>BILL NO. 4</u> <u>PLUMBING AND DRAINAGE</u></p> <p><u>SOIL DRAINAGE (CPAP WORK GROUP NO. 146)</u></p> <p>The bidder is referred to the relevant clauses in the KZN Department of Health Standard Preambles to all Trades Rev 3 - January 2009 (available on request), to the Architectural and Structural/Civil Engineering specifications documents, to the drawings (which are to be read in conjunction with the architectural specification), and to all general and project-specific specifications as contained in the complete Bid Documents. Bidders are thus urged to study these documents as rates will be deemed to be inclusive of all requirements as included in same. Further, should any discrepancy be noted between these Bills of Quantities and the Specifications, the Specifications shall take precedence.</p> <p>Further to the above, Bidders are to note that the latest edition of SANS 10400, current at the time of the tender will form part of the specifications to this contract and as such, pricing shall be deemed to include for complete conformance in all respects to the requirements of SANS 10400.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Working at Heights</u></p> <p>Bidders are to note that the work to be undertaken will require all necessary scaffolding, due to the heights of the structures to be constructed/altered. Bidders are to therefore price accordingly as rates will be deemed to include for same and no further claims in regard to all necessary scaffolding in the completion of the scope of works will be entertained.</p>				
<p>Section No. 6 Bill No. 4 Plumbing And Drainage</p>			<p>Carried to Collection</p>	<p>R</p>

	Unit	Quantity	Rate	Amount
<p><u>Labour Intensive</u></p> <p>Bidders are to note well that specific items within these Bills of Quantities have been designated as LABOUR INTENSIVE by the addition of the words "Labour Intensive" at the end of the description for the said item. Where items have been designated as being LABOUR INTENSIVE as described, pricing shall be deemed to include for the carrying out to completion of said item on site by means and methods that rely predominantly on manual labour. As such, no claims shall be entertained regarding any additional time or monetary costs incurred by the use of LABOUR INTENSIVE methods. Further, the Contractor is to note that contravention of the above i.e. use of mechanised, or other systems to carry out LABOUR INTENSIVE work as hereinafter designated, will be viewed and dealt with in an extremely serious light by the Client, as it remains a national imperative to develop, employ and provide skills through the Expanded Public Works Programme.</p> <p><u>Wire gratings</u></p> <p>Descriptions of gutter outlets shall be deemed to include wire balloon gratings</p> <p><u>Sealing of edges</u></p> <p>Outer edges of sinks, basins, baths, urinals are to be sealed against adjacent surfaces with approved silicone - Class F20 HM, to EN 150 11600</p> <p><u>uPVC pipes and fittings</u></p> <p>Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings</p> <p>Soil, waste and vent pipes and fittings shall be solvent weld jointed or sealed with butyl rubber rings</p> <p><u>"Polycop" polypropylene pipes</u></p> <p>Polypropylene pipes 54mm diameter and smaller shall be seamless copper coloured Class 16 pipes jointed with "Fast-fuse" heat welded thermoplastic or where so described "Polylock" compression fittings</p> <p>Pipes shall be firmly fixed to walls with coloured nylon snap-in pipe clips with provision for accommodating thermal movement and jointed and fixed strictly in accordance with the manufacturer's instructions</p>				
<p>Section No. 6 Bill No. 4 Plumbing And Drainage</p>			<p>Carried to Collection</p>	<p>R</p>

	Unit	Quantity	Rate	Amount
<p><u>Copper pipes</u></p> <p>Pipes shall be hard drawn and half-hard "Maksal" pipes of the class described. 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</p>				
<p><u>Reducing fittings</u></p> <p>Where fittings have reducing ends or branches they are described as "reducing" and 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</p>				
<p><u>Fixing of pipes</u></p> <p>Unless specifically otherwise stated, descriptions of pipes shall be deemed to include fixing to walls, casting in, building in or suspending not exceeding 1m below suspension level</p>				
<p><u>Paper wrapping to pipes</u></p> <p>Pipes chased into brickwork must be wrapped with two layers of stout brown paper tied with wire. Rates are to include for wrapping around joints and fittings</p>				
<p><u>Disinfection of water pipework</u></p> <p>Water pipework is to be disinfected at completion in accordance with SANS (provision for disinfection elsewhere)</p>				
<p><u>General</u></p> <p>Rates for installation of sanware and all drainage and supply piping of all types will be deemed to include for fair cutting around pipes and making good to floor and wall finishes.</p>				
<p><u>As-built drawings</u></p> <p>Where required, the contractor shall prepare an updated set of as-built drawings. At completion of the contract the contractor shall hand these drawings to the principal agent for reproducing onto the originals for handing over to the employer (provision for allowance of as-built drawings elsewhere)</p>				
<p><u>uPVC Class 34 pipes</u></p>				
1		160mm pipes laid in and including trenches not exceeding 1m deep	m	30
		Carried to Collection		R
<p>Section No. 6 Bill No. 4 Plumbing And Drainage</p>				

	Unit	Quantity	Rate	Amount
<u>Extra over uPVC Class 34 pipes for fittings</u>				
2	No	4		
3	No	8		
<u>Fiberite or other approved composite circular manhole cover and frame</u>				
4	No	6		
Carried to Collection				
Section No. 6				
Bill No. 4				
Plumbing And Drainage				
			R	

Amount

BILL NO. 4
PLUMBING AND DRAINAGE
COLLECTION

Page No

Brought Forward from Page

6-16

6-17

6-18

6-19

Carried To Section Summary

R

Section No. 6
Bill No. 4
Plumbing And Drainage

Amount

SECTION NO. 6

SEPTIC TANKS AND SOAK AWAYS

SECTION SUMMARY

Bill No.

1	EARTHWORKS	6-7
2	CONCRETE, FORMWORK AND REINFORCEMENT	6-12
3	WATERPROOFING	6-15
4	PLUMBING AND DRAINAGE	6-20

Page

6-7

6-12

6-15

6-20

Carried to Final Summary

Section No. 6
SECTION SUMMARY

R

SECTION NO. 7
ATTENUATION TANK

Unit Quantity Rate Amount

SECTION NO. 7

ATTENUATION TANK

BILL NO. 1

EARTHWORKS

The bidder is referred to the relevant clauses in the KZN Department of Health Standard Preambles to all Trades Rev 3 - January 2009 (available on request), to the Architectural and Structural/Civil Engineering specifications documents, to the drawings (which are to be read in conjunction with the architectural specification), and to all general and project-specific specifications as contained in the complete Bid Documents. Bidders are thus urged to study these documents as rates will be deemed to be inclusive of all requirements as included in same. Further, should any discrepancy be noted between these Bills of Quantities and the Specifications, the Specifications shall take precedence.

Further to the above, Bidders are to note that the latest edition of SANS 10400, current at the time of the tender will form part of the specifications to this contract and as such, pricing shall be deemed to include for complete conformance in all respects to the requirements of SANS 10400.

SUPPLEMENTARY PREAMBLES

Working at Heights

Bidders are to note that the work to be undertaken will require all necessary scaffolding, due to the heights of the structures to be constructed/altered. Bidders are to therefore price accordingly as rates will be deemed to include for same and no further claims in regard to all necessary scaffolding in the completion of the scope of works will be entertained.

Carried to Collection

R

Section No. 7

Bill No. 1

Earthworks

	Unit	Quantity	Rate	Amount
<p><u>Labour Intensive</u></p> <p>Bidders are to note well that specific items within these Bills of Quantities have been designated as LABOUR INTENSIVE by the addition of the words “Labour Intensive” at the end of the description for the said item. Where items have been designated as being LABOUR INTENSIVE as described, pricing shall be deemed to include for the carrying out to completion of said item on site by means and methods that rely predominantly on manual labour. As such, no claims shall be entertained regarding any additional time or monetary costs incurred by the use of LABOUR INTENSIVE methods. Further, the Contractor is to note that contravention of the above i.e. use of mechanised, or other systems to carry out LABOUR INTENSIVE work as hereinafter designated, will be viewed and dealt with in an extremely serious light by the Client, as it remains a national imperative to develop, employ and provide skills through the Expanded Public Works Programme.</p> <p><u>Nature of ground</u></p> <p>The nature of the ground is assumed to be loose sandy material, therefore 'earth', but possibly interspersed with 'soft rock' or 'hard rock'</p> <p>A soils investigation has been carried out on the site by the engineer and the report is annexed to these bills of quantities.</p> <p><u>Carting away of excavated material</u></p> <p>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, and dumping at registered dumpsites.</p> <p><u>Bulking</u></p> <p>No allowance has been made for bulking</p> <p><u>Filling</u></p> <p>Notwithstanding the reference to prescribed multiple handling in clause 1 page 6 of the Standard System of Measuring Building Work, prices for filling and backfilling shall include for all selection and any necessary multiple handling of material</p> <p><u>Testing</u></p> <p>Prices for filling are to include for all necessary density tests in accordance with the relevant section of SANS</p>				
<p style="text-align: right;">Carried to Collection</p> <p>Section No. 7 Bill No. 1 Earthworks</p>			R	

	Unit	Quantity	Rate	Amount
<u>Proximity to existing structures</u>				
Bidders are to note that some of the following measured work is to be undertaken in close proximity to existing buildings. No claims in this regard will be entertained.				
<u>EXCAVATIONS ETC</u>				
<u>Excavation in earth for basement</u>				
1				
	m ³	405		
2				
	m ³	304		
<u>Extra over all excavations for carting away</u>				
3				
	m ³	709		
<u>Risk of collapse of excavations</u>				
4				
	m ²	104		
5				
	m ²	138		
<u>Keeping excavations free of water</u>				
6				
	Item			
<u>FILLING, ETC</u>				
<u>Filling of gravel-soil material G7 supplied by the contractor, compacted to 95% Mod AASHTO density</u>				
7				
	m ³	30		
<u>Filling of natural gravel material G5 supplied by the contractor, compacted to 98% Mod AASHTO density</u>				
8				
	m ³	30		
<u>Compaction of ground surfaces</u>				
9				
	m ²	203		
<u>WEED KILLERS, INSECTICIDES, ETC</u>				
<u>Soil insecticide in accordance with SANS 5859</u>				
10				
	m ²	444		
Carried to Collection				
Section No. 7				
Bill No. 1				
Earthworks				
			R	

		Unit	Quantity	Rate	Amount
<u>TESTS</u>					
<u>Prescribed tests to determine degree of compaction or other properties of ground or filling</u>					
11	Modified AASHTO Density test	No	8		
Carried to Collection					R
Section No. 7					
Bill No. 1					
Earthworks					

Amount

BILL NO. 1
EARTHWORKS
COLLECTION

Page No

Brought Forward from Page

7-2

7-3

7-4

7-5

Carried To Section Summary

R

Section No. 7
Bill No. 1
Earthworks

Unit Quantity Rate Amount

SECTION NO. 7

ATTENUATION TANK

BILL NO. 2

CONCRETE, FORMWORK AND REINFORCEMENT

The bidder is referred to the relevant clauses in the KZN Department of Health Standard Preambles to all Trades Rev 3 - January 2009 (available on request), to the Architectural and Structural/Civil Engineering specifications documents, to the drawings (which are to be read in conjunction with the architectural specification), and to all general and project-specific specifications as contained in the complete Bid Documents. Bidders are thus urged to study these documents as rates will be deemed to be inclusive of all requirements as included in same. Further, should any discrepancy be noted between these Bills of Quantities and the Specifications, the Specifications shall take precedence.

Further to the above, Bidders are to note that the latest edition of SANS 10400, current at the time of the tender will form part of the specifications to this contract and as such, pricing shall be deemed to include for complete conformance in all respects to the requirements of SANS 10400.

SUPPLEMENTARY PREAMBLES

Working at Heights

Bidders are to note that the work to be undertaken will require all necessary scaffolding, due to the heights of the structures to be constructed/altered. Bidders are to therefore price accordingly as rates will be deemed to include for same and no further claims in regard to all necessary scaffolding in the completion of the scope of works will be entertained.

Carried to Collection

R

Section No. 7

Bill No. 2

Concrete, Formwork And Reinforcement

	Unit	Quantity	Rate	Amount
<p><u>Labour Intensive</u></p> <p>Bidders are to note well that specific items within these Bills of Quantities have been designated as LABOUR INTENSIVE by the addition of the words “Labour Intensive” at the end of the description for the said item. Where items have been designated as being LABOUR INTENSIVE as described, pricing shall be deemed to include for the carrying out to completion of said item on site by means and methods that rely predominantly on manual labour. As such, no claims shall be entertained regarding any additional time or monetary costs incurred by the use of LABOUR INTENSIVE methods. Further, the Contractor is to note that contravention of the above i.e. use of mechanised, or other systems to carry out LABOUR INTENSIVE work as hereinafter designated, will be viewed and dealt with in an extremely serious light by the Client, as it remains a national imperative to develop, employ and provide skills through the Expanded Public Works Programme.</p>				
<p><u>Concrete</u></p> <p>Rates for concrete shall be deemed to include for all necessary transportation, hoisting, etc. to render a perfect, sound and stable installation all to the satisfaction of the Structural Engineer.</p> <p>Bidders are to note that delay claims related to the supply of concrete decking, reinforcement, etc. will not be entertained and are thus urged to take cognisance of quantities required and secure supply accordin</p>				
<p><u>Cost of tests</u></p> <p>The costs of making, storing and testing of concrete test cubes as required under the relevent part of SANS, shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the principal agent. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval of the principal agent. (Test cubes are measured separately).</p>				
<p><u>Formwork</u></p> <p>Formwork to soffits of solid slabs shall be deemed to be to slabs not exceeding 250mm thick unless otherwise described</p> <p>Formwork to soffits of slabs and beams shall be deemed to be propped up exceeding 1,5m and not exceeding 3,5m high unless otherwise described</p>				
<p style="text-align: right;">Carried to Collection</p> <p>Section No. 7 Bill No. 2 Concrete, Formwork And Reinforcement</p>			R	

	Unit	Quantity	Rate	Amount
<p>Formwork to sides of bases, pile caps, ground beams 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"</p> <p><u>General Notes : Temporary Support Work and Back Propping Specifications and Requirements:</u></p> <p>All temporary support work (formwork and backpropping, etc) is the responsibility of the Contractor's own appointed 'Temporary Works' registered structural engineer/approved competent person (TWE).</p> <p>It is also the contractor's (TWE) responsibility to review the Principle Structural Engineers (PSE) construction layouts and develop the appropriate formwork support (back-propping, etc) execution plan.</p> <p>The formwork execution plan is to be developed in consultation with the (PSE) and final approval is required from the (PSE) prior to the execution of this plan.</p> <p>The contractor's (TWE) is also responsible to inspect and approve the erected formwork (back-propping, etc) prior to pouring concrete on site. He is also required to 'green tag' the approved formwork, indicating that it is safe to pour concrete. He is also required to 'fill in and sign off' the formwork in the on-site Health and Safety File indicating that he has inspected, approved and 'green tagged' the formwork and it is safe to pour the concrete. This 'sign-off' must occur each and every time the Contractor intends to pour any of the suspended concrete floor slabs.</p> <p>The Contractor's own appointed 'Temporary Works' structural engineer/approved competent person (TWE) must also carry his own professional indemnity (PI) insurance for 'Temporary Structural Works'. Proof of this insurance must be submitted to the Principal Agent / Project Manager for approval.</p> <p><u>As per Construction Regulations 2014: Temporary Formwork and Support work of OHS ACT 1993</u></p> <p>"A Contractor must appoint a temporary works designer in writing to design, inspect and approve the erected temporary works on site before use". The Contractor must submit this information inclusive of his (TWE) proof of (PI) to the Project Manager for approval.</p>				
<p style="text-align: right;">Carried to Collection</p> <p>Section No. 7 Bill No. 2 Concrete, Formwork And Reinforcement</p>			R	

	Unit	Quantity	Rate	Amount
<p>"A Contractor must ensure that all temporary works operations are carried out under the supervision of a competent person who has been appointed in writing for that purpose".</p> <p>A contractor shall ensure that :</p> <p>"All formwork and support work structures are to be adequately designed, erected, supported, braced and maintained by a competent person so that they will be capable of supporting all anticipated vertical and lateral loads that may be applied to them and also that no loads are imposed onto the structure that the structure is not designed to withstand". This is the responsibility of the Contractor's own appointed 'Temporary Works' registered structural engineer/approved competent person (TWE) and he has to submit the necessary documentation confirming the above requirements to the Principal Agent / Project Manager for approval.</p> <p>"All the designs of formwork and temporary support work structures are done with a close reference to the structural design drawings issued and where any uncertainty exists, the structural designer (PSE) should be consulted". The contractors (TWE) is required to submit their formwork execution plan the (PSE) for approval prior to pouring any concrete on site.</p> <p>"Detailed activity specific drawings pertaining to the design of formwork or support work structures are kept on the site and are available on request by an inspector, contractor, client, client's agent or employee". The Project Manager must ensure that the Contractor has this information available on site at all times.</p> <p>"All equipment used in the formwork or support work structure are carefully examined and checked for suitability by a competent person, before being used". This is the responsibility of the Contractor's own appointed 'Temporary Works' registered structural engineer/approved competent person (TWE) and he has to 'sign-off' accordingly.</p> <p>"All formwork and support work structures are inspected by a competent person immediately before, during and after the placement of concrete or any other imposed load and thereafter on a daily basis until the formwork and support work structure has been removed and the results have been recorded in a register and made available on site". This is the responsibility of the PBC's own appointed 'Temporary Works' registered structural engineer/approved competent person (TWE) and he has to 'sign-off' accordingly.</p>				
<p style="text-align: right;">Carried to Collection</p> <p>Section No. 7 Bill No. 2 Concrete, Formwork And Reinforcement</p>			R	

	Unit	Quantity	Rate	Amount
<p>"The Contractor must ensure that his Temporary Works Engineer (TWE) submits a temporary works drawing or any other relevant document including construction sequences and method statements" to the (PSE) for review, comment and approval.</p> <p>As highlighted above, the principle building contractor (Contractor) has to develop his construction programme with due consideration for the above construction regulations and the PSE's final approval of the Contractor's temporary formwork and back-propping execution plan.</p> <p>The vertical strutting shall be carried down to such construction as is sufficiently strong to afford the required support without damage and shall remain in position until the newly constructed work is able to support itself</p> <p><u>Finishing</u></p> <p>Finishing the surfaces of surface beds and slabs level and smooth to receive screed, grano or any other finish are deemed to be included in the rate for the surface bed or slab.</p> <p><u>Mesh reinforcement</u></p> <p>Mesh reinforcement is measured net, contractor to take consideration of lapping</p> <p><u>REINFORCED CONCRETE CAST ON/IN FORMWORK</u></p> <p><u>25MPa/19mm concrete</u></p>				
1	m ³	5		
<p><u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u></p> <p><u>25MPa/19mm concrete</u></p>				
2	m ³	51		
3	m ³	13		
<p><u>TEST CUBES</u></p> <p><u>Test Cubes</u></p>				
4	No	36		
<p><u>CONCRETE SUNDRIES</u></p> <p><u>Finishing top surfaces of concrete smooth with a steel trowel</u></p>				
5	m ²	203		
Carried to Collection			R	
<p>Section No. 7 Bill No. 2 Concrete, Formwork And Reinforcement</p>				

	Unit	Quantity	Rate	Amount
<u>Grooves, channels, mortices, sinkings, etc in concrete</u>				
6	m	103		
<u>ROUGH FORMWORK (DEGREE OF ACCURACY II) (CPAP WORK GROUP NO. 111)</u>				
<u>Rough formwork to sides</u>				
7	m ²	28		
8	m ²	3		
<u>Rough formwork to soffits</u>				
9	m ²	16		
<u>REINFORCEMENT (PROVISIONAL) (CPAP WORK GROUP NO. 114)</u>				
<u>Mild steel reinforcement to structural concrete work</u>				
10	Tonnes	1.00		
<u>High tensile steel reinforcement to structural concrete work</u>				
11	Tonnes	1.00		
<u>Fabric reinforcement</u>				
12	m ²	192		
13	m ²	203		
<u>BUDGETARY ALLOWANCE</u>				
<u>Rib and Block System</u>				
14	Item			
Carried to Collection			R	
Section No. 7				
Bill No. 2				
Concrete, Formwork And Reinforcement				

Amount

BILL NO. 2
CONCRETE, FORMWORK AND REINFORCEMENT
COLLECTION

Page No

Brought Forward from Page

7-7

7-8

7-9

7-10

7-11

7-12

Carried To Section Summary

R

Section No. 7

Bill No. 2

Concrete, Formwork And Reinforcement

Unit Quantity Rate Amount

SECTION NO. 7

ATTENUATION TANK

BILL NO. 3

MASONRY

The bidder is referred to the relevant clauses in the KZN Department of Health Standard Preambles to all Trades Rev 3 - January 2009 (available on request), to the Architectural and Structural/Civil Engineering specifications documents, to the drawings (which are to be read in conjunction with the architectural specification), and to all general and project-specific specifications as contained in the complete Bid Documents. Bidders are thus urged to study these documents as rates will be deemed to be inclusive of all requirements as included in same. Further, should any discrepancy be noted between these Bills of Quantities and the Specifications, the Specifications shall take precedence.

Further to the above, Bidders are to note that the latest edition of SANS 10400, current at the time of the tender will form part of the specifications to this contract and as such, pricing shall be deemed to include for complete conformance in all respects to the requirements of SANS 10400.

SUPPLEMENTARY PREAMBLES

Working at Heights

Bidders are to note that the work to be undertaken will require all necessary scaffolding, due to the heights of the structures to be constructed/altered. Bidders are to therefore price accordingly as rates will be deemed to include for same and no further claims in regard to all necessary scaffolding in the completion of the scope of works will be entertained.

Carried to Collection

R

Section No. 7

Bill No. 3

Masonry

	Unit	Quantity	Rate	Amount
<p><u>Labour Intensive</u></p> <p>Bidders are to note well that specific items within these Bills of Quantities have been designated as LABOUR INTENSIVE by the addition of the words “Labour Intensive” at the end of the description for the said item. Where items have been designated as being LABOUR INTENSIVE as described, pricing shall be deemed to include for the carrying out to completion of said item on site by means and methods that rely predominantly on manual labour. As such, no claims shall be entertained regarding any additional time or monetary costs incurred by the use of LABOUR INTENSIVE methods. Further, the Contractor is to note that contravention of the above i.e. use of mechanised, or other systems to carry out LABOUR INTENSIVE work as hereinafter designated, will be viewed and dealt with in an extremely serious light by the Client, as it remains a national imperative to develop, employ and provide skills through the Expanded Public Works Programme.</p> <p><u>Sizes in descriptions</u></p> <p>Where sizes in descriptions are given in brick units, one brick shall represent the length and half brick the width of a brick</p> <p><u>Bagged and sealed walls</u></p> <p>Walls described as 'bagged and sealed' shall be deemed to include having the outer face of the inner most skin bagged with 1:6 cement and sand mixture and sealed with two coats "ABE" or other approved bitumen emulsion waterproofing coating</p> <p><u>Face bricks</u></p> <p>Bricks shall be ordered timeously to obtain uniformity in size and colour</p> <p><u>Pointing</u></p> <p>Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc</p> <p><u>BRICKWORK IN FOUNDATIONS (PROVISIONAL)</u></p> <p><u>Brickwork of NFX bricks (14 MPa nominal compressive strength) in class II mortar in loadbearing walls etc</u></p>				
1 Piers	m ³	1		
2 One brick walls	m ²	31		
3 One and half brick walls	m ²	11		
Carried to Collection			R	
<p>Section No. 7 Bill No. 3 Masonry</p>				

	Unit	Quantity	Rate	Amount
4 300mm Hollow walls of two half brick skins, including type R8 wall ties every third course	m ²	179		
<u>Brickwork Sundries</u>				
5 Closing 70mm cavities of hollow walls vertically with 15MPa/19mm concrete	m ³	13		
<u>2.5mm Brickwork reinforcement</u>				
6 75mm Wide reinforcement built in horizontally	m	139		
7 150mm Wide reinforcement built in horizontally	m	2 731		
<u>Prestressed fabricated concrete lintels including necessary temporary supports</u>				
8 110 x 75mm Lintels in lengths not exceeding 3m	m	22		
Carried to Collection				
Section No. 7				
Bill No. 3				
Masonry				
			R	

Amount

BILL NO. 3
MASONRY
COLLECTION

Page No

Brought Forward from Page

7-14

7-15

7-16

Carried To Section Summary

R

Section No. 7
Bill No. 3
Masonry

Unit Quantity Rate Amount

SECTION NO. 7

ATTENUATION TANK

BILL NO. 4

METALWORK

The bidder is referred to the relevant clauses in the KZN Department of Health Standard Preambles to all Trades Rev 3 - January 2009 (available on request), to the Architectural and Structural/Civil Engineering specifications documents, to the drawings (which are to be read in conjunction with the architectural specification), and to all general and project-specific specifications as contained in the complete Bid Documents. Bidders are thus urged to study these documents as rates will be deemed to be inclusive of all requirements as included in same. Further, should any discrepancy be noted between these Bills of Quantities and the Specifications, the Specifications shall take precedence.

Further to the above, Bidders are to note that the latest edition of SANS 10400, current at the time of the tender will form part of the specifications to this contract and as such, pricing shall be deemed to include for complete conformance in all respects to the requirements of SANS 10400.

SUPPLEMENTARY PREAMBLES

Working at Heights

Bidders are to note that the work to be undertaken will require all necessary scaffolding, due to the heights of the structures to be constructed/altered. Bidders are to therefore price accordingly as rates will be deemed to include for same and no further claims in regard to all necessary scaffolding in the completion of the scope of works will be entertained.

Carried to Collection

R

Section No. 7

Bill No. 4

Metalwork

	Unit	Quantity	Rate	Amount
<p><u>Labour Intensive</u></p> <p>Bidders are to note well that specific items within these Bills of Quantities have been designated as LABOUR INTENSIVE by the addition of the words “Labour Intensive” at the end of the description for the said item. Where items have been designated as being LABOUR INTENSIVE as described, pricing shall be deemed to include for the carrying out to completion of said item on site by means and methods that rely predominantly on manual labour. As such, no claims shall be entertained regarding any additional time or monetary costs incurred by the use of LABOUR INTENSIVE methods. Further, the Contractor is to note that contravention of the above i.e. use of mechanised, or other systems to carry out LABOUR INTENSIVE work as hereinafter designated, will be viewed and dealt with in an extremely serious light by the Client, as it remains a national imperative to develop, employ and provide skills through the Expanded Public Works Programme.</p> <p><u>Descriptions of bolts, anchors, etc.</u></p> <p>Descriptions of bolts shall be deemed to include nuts and washers</p> <p>Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete</p> <p>Items described as 'holed for bolt(s)' shall be deemed to exclude the bolts unless otherwise described</p> <p>Items described as 'plugged' shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres</p> <p><u>Rates shall include for the following:</u></p> <p>Suitably protecting all exposed aluminium and glass surfaces with an approved protection tape and plastic sheeting. Such protection is to be removed at completion of the contract and the exposed surfaces cleaned down and left perfect. Under no circumstances will any damage whatsoever to the finished product be accepted.</p> <p>Building in and fixing into preformed openings. Window opening sizes to be verified on site before windows can be manufactured.</p> <p>Complete ironmongery to all aluminium doors and windows</p> <p>Complete glazing as described with and including matching aluminium glazing beads and gaskets and glazed in accordance with the manufacturer's written instructions.</p>				
<p style="text-align: right;">Carried to Collection</p> <p>Section No. 7 Bill No. 4 Metalwork</p>			R	

	Unit	Quantity	Rate	Amount
<p>All opening and fixed lights, coupling mullions and transoms, fittings, ironmongery, etc. As required.</p> <p><u>Powdercoated aluminium windows, doors, etc.:</u></p> <p>Bidders are to note that prices for aluminium doors and windows are to include for all necessary ironmongery for the complete installation as required. No further claims in this regard will be entertained.</p> <p>Bidders are advised to refer to the architects window and door schedules, as these will take precedence and rates will be deemed to be based in the schedules should there be any discrepancy</p> <p>Items shall be manufactured by an approved specialist who shall provide a sample upon request, for approval by the Principal Agent, at no additional cost to the contract.</p> <p>Powdercoating to doors, windows, gates, etc. shall comply with minimum class 2, manufactured and installed in accordance with good building practice and in terms of the latest code of practice with revisions as recommended by the SANS and AAAMSA.</p> <p>All powdercoating shall be to SANS 1796:2013 (Class 2) – “Interpon D2525 T” or other approved, colour Matt Bronze 543 (Code QX201P), and shall be supplied with a 25 year project warrantee.</p> <p>Screws and bolts shall be of corresponding metal and colour and heads of screws shall be countersunk. Selftapping screws shall, unless otherwise described, be used for screwing items to adjoining metalwork. Stainless steel screws shall be used for fixing aluminium. Items fixed to adjoining metalwork with rivets, selftapping screws, set screws, machine screws, etc. shall include for all necessary drilling.</p> <p><u>Welded joints and intersections:</u></p> <p>Prices of continuous hollow section and solid section shall include for welded joints in the length and prices of intersections shall include for all cutting, mitring, scribing, shaping, welding, bends, knees, ramps, etc.</p> <p>Prices of balustrades, burglar guards and the like shall include for framed and welded joints and intersections.</p> <p><u>Hot dipped galvanising:</u></p> <p>The mass of hot dip galvanised steelwork has been calculated on the mass before galvanising and no allowance has been made for the additional mass of galvanising for which allowance must be made in pricing.</p>				
<p style="text-align: right;">Carried to Collection</p> <p>Section No. 7 Bill No. 4 Metalwork</p>			R	

	Unit	Quantity	Rate	Amount
<p>Unless otherwise stated, all steelwork described as galvanised shall be deemed to include for 'hot-dip' galvanising in accordance with the latest SANS standards.</p> <p><u>Anodising:</u> All anodising shall be executed in strict accordance with SANS 999. Grade AA25 (Average coating thickness 25 micron) shall be used. Colour to be agreed with Architect.</p> <p><u>Screws and bolts:</u> Screws and bolts shall be of corresponding metal and colour and heads of screws shall be countersunk. Selftapping screws shall, unless otherwise described, be used for screwing items to adjoining metalwork. Stainless steel screws shall be used for fixing aluminium. Items fixed to adjoining metalwork with rivets, selftapping screws, set screws, machine screws, etc., shall include for all necessary drilling.</p> <p>Where bolting is specified, projecting shank ends of bolts shall be cut flush and left smooth.</p> <p><u>Drawings:</u> Bidders are to note that where descriptions include reference to drawings, notwithstanding anything contained in the descriptions, tenderers are to price these items in accordance with the drawings. Further, the onus is on the tenderer to ensure that all relevant drawings referenced in the Bills of Quantities are included in the tender documents. No additional time and/or monetary claims resulting from non-adherence to the above will be entertained.</p> <p><u>GALVANISED MILD STEEL</u></p> <p><u>Step iron, etc</u></p>				
1	No	40		
Carried to Collection			R	
Section No. 7 Bill No. 4 Metalwork				

Amount

BILL NO. 4
METALWORK
COLLECTION

Page No

Brought Forward from Page

7-18

7-19

7-20

7-21

Carried To Section Summary

R

Section No. 7
Bill No. 4
Metalwork

Unit Quantity Rate Amount

SECTION NO. 7

ATTENUATION TANK

BILL NO. 5

PLASTERING

The bidder is referred to the relevant clauses in the KZN Department of Health Standard Preambles to all Trades Rev 3 - January 2009 (available on request), to the Architectural and Structural/Civil Engineering specifications documents, to the drawings (which are to be read in conjunction with the architectural specification), and to all general and project-specific specifications as contained in the complete Bid Documents. Bidders are thus urged to study these documents as rates will be deemed to be inclusive of all requirements as included in same. Further, should any discrepancy be noted between these Bills of Quantities and the Specifications, the Specifications shall take precedence.

Further to the above, Bidders are to note that the latest edition of SANS 10400, current at the time of the tender will form part of the specifications to this contract and as such, pricing shall be deemed to include for complete conformance in all respects to the requirements of SANS 10400.

SUPPLEMENTARY PREAMBLES

Working at Heights

Bidders are to note that the work to be undertaken will require all necessary scaffolding, due to the heights of the structures to be constructed/altered. Bidders are to therefore price accordingly as rates will be deemed to include for same and no further claims in regard to all necessary scaffolding in the completion of the scope of works will be entertained.

Carried to Collection

R

Section No. 7

Bill No. 5

Plastering

	Unit	Quantity	Rate	Amount
<p><u>Labour Intensive</u></p> <p>Bidders are to note well that specific items within these Bills of Quantities have been designated as LABOUR INTENSIVE by the addition of the words “Labour Intensive” at the end of the description for the said item. Where items have been designated as being LABOUR INTENSIVE as described, pricing shall be deemed to include for the carrying out to completion of said item on site by means and methods that rely predominantly on manual labour. As such, no claims shall be entertained regarding any additional time or monetary costs incurred by the use of LABOUR INTENSIVE methods. Further, the Contractor is to note that contravention of the above i.e. use of mechanised, or other systems to carry out LABOUR INTENSIVE work as hereinafter designated, will be viewed and dealt with in an extremely serious light by the Client, as it remains a national imperative to develop, employ and provide skills through the Expanded Public Works Programme.</p> <p><u>Preparation</u></p> <p>For granolithic applied monolithically, the concrete floor shall be swept clean after bleeding of the concrete has ceased and the slab has begun to stiffen; any remaining bleed water shall be removed and the granolithic applied immediately thereafter. For granolithic to be bonded to the floor slab after it has hardened, the slab surface shall be hacked (preferably by mechanical means) until all laitance, dirt, oil, etc. is dislodged and swept clean of all loose matter. The slab shall then be wetted and kept damp for at least six hours before applying the granolithic.</p> <p><u>Mix</u></p> <p>Granolithic shall attain a compressive strength of at least 41MPa. The coarse aggregate shall comply with SANS 1083 and shall generally be capable of passing a 10mm mesh sieve. Where the thickness of the granolithic exceeds 25mm, the size of the coarse aggregate shall be increased to the maximum size compatible with the thickness of the granolithic.</p> <p><u>Panels</u></p> <p>Where possible joints between panels shall be positioned over joints in the floor slab and shall be at least 3mm wide through the full thickness of the finish, separated by strips of wood or fibreboard and finished with V-joints</p>				
<p>Section No. 7 Bill No. 5 Plastering</p>			<p>Carried to Collection</p>	<p>R</p>

	Unit	Quantity	Rate	Amount
<p><u>Laying</u></p> <p>Monolithic granolithic shall be applied to the partially set slab and thoroughly compacted and lightly wood floated to the required levels</p> <p>Bonded granolithic shall be applied to the slab after applying a 1:1 sand-and-cement slurry brushed over the surface and allowed to partially set before applying the granolithic. The granolithic shall be thoroughly compacted and lightly wood floated to the required levels</p> <p>After wood floating, the monolithic and bonded granolithic shall remain undisturbed until bleeding has ceased and the surface has stiffened. Any remaining bleed water and laitance shall then be removed and the surface steel trowelled or power floated</p> <p><u>Curing, seasoning and protection</u></p> <p>Granolithic shall be covered with clean hessian with waterproof building foil over and kept wet for at least seven days after laying.</p> <p><u>Colour</u></p> <p>Coloured granolithic shall be tinted with an approved colouring pigment mixed into a true and even colour.</p> <p><u>SCREEDS</u></p> <p><u>Screeds steel trowelled, on concrete</u></p>				
1	Average 40mm thick on floors with upper surface to falls	m ²	52	
2	Average 50mm thick on floors with upper surface to falls	m ²	47	
Carried to Collection				
Section No. 7				
Bill No. 5				
Plastering				
			R	

Amount

BILL NO. 5
PLASTERING
COLLECTION

Page No

Brought Forward from Page

7-23

7-24

7-25

Carried To Section Summary

R

Section No. 7
Bill No. 5
Plastering

Unit Quantity Rate Amount

SECTION NO. 7

ATTENUATION TANK

BILL NO. 6

PLUMBING AND DRAINAGE

The bidder is referred to the relevant clauses in the KZN Department of Health Standard Preambles to all Trades Rev 3 - January 2009 (available on request), to the Architectural and Structural/Civil Engineering specifications documents, to the drawings (which are to be read in conjunction with the architectural specification), and to all general and project-specific specifications as contained in the complete Bid Documents. Bidders are thus urged to study these documents as rates will be deemed to be inclusive of all requirements as included in same. Further, should any discrepancy be noted between these Bills of Quantities and the Specifications, the Specifications shall take precedence.

Further to the above, Bidders are to note that the latest edition of SANS 10400, current at the time of the tender will form part of the specifications to this contract and as such, pricing shall be deemed to include for complete conformance in all respects to the requirements of SANS 10400.

SUPPLEMENTARY PREAMBLES

Working at Heights

Bidders are to note that the work to be undertaken will require all necessary scaffolding, due to the heights of the structures to be constructed/altered. Bidders are to therefore price accordingly as rates will be deemed to include for same and no further claims in regard to all necessary scaffolding in the completion of the scope of works will be entertained.

Carried to Collection

R

Section No. 7
 Bill No. 6
 Plumbing And Drainage

	Unit	Quantity	Rate	Amount
<u>Labour Intensive</u>				
<p>Bidders are to note well that specific items within these Bills of Quantities have been designated as LABOUR INTENSIVE by the addition of the words "Labour Intensive" at the end of the description for the said item. Where items have been designated as being LABOUR INTENSIVE as described, pricing shall be deemed to include for the carrying out to completion of said item on site by means and methods that rely predominantly on manual labour. As such, no claims shall be entertained regarding any additional time or monetary costs incurred by the use of LABOUR INTENSIVE methods. Further, the Contractor is to note that contravention of the above i.e. use of mechanised, or other systems to carry out LABOUR INTENSIVE work as hereinafter designated, will be viewed and dealt with in an extremely serious light by the Client, as it remains a national imperative to develop, employ and provide skills through the Expanded Public Works Programme.</p>				
<u>Drawings:</u>				
<p>Bidders are to note that where descriptions include reference to drawings, notwithstanding anything contained in the descriptions, tenderers are to price these items in accordance with the drawings. Further, the onus is on the tenderer to ensure that all relevant drawings referenced in the Bills of Quantities are included in the tender documents. No additional time and/or monetary claims resulting from non-adherence to the above will be entertained.</p>				
<u>STORMWATER DRAINAGE (CPAP WORK GROUP NO. 146)</u>				
<u>uPVC Class 16 pipes</u>				
1		200mm pipes laid in and including trenches exceeding 2m not exceeding 3m deep	m	20
<u>Extra over uPVC Class 16 pipes for fittings</u>				
2		200mm Junction. (Labour Intensive)	No	4
<u>Class 100D concrete pipes</u>				
3		375mm Pipes laid in and including trenches exceeding 2m deep and not exceeding 3m deep. (Labour Intensive)	m	20
<u>Cast iron cover and frame</u>				
4		"Saint Gobain" or other approved 600 x 600mm Type 8B double seal manhole cover and frame	No	3
Carried to Collection				
Section No. 7				
Bill No. 6				
Plumbing And Drainage				
			R	

	Unit	Quantity	Rate	Amount
<u>Galvanised Mild Steel gratings, covers, etc</u>				
5	No	2		
<u>Galvained Mild Steel Cage</u>				
6	No	1		
Carried to Collection			R	
Section No. 7				
Bill No. 6				
Plumbing And Drainage				

Amount

BILL NO. 6
PLUMBING AND DRAINAGE
COLLECTION

Page No

Brought Forward from Page

7-27

7-28

7-29

Carried To Section Summary

R

Section No. 7
Bill No. 6
Plumbing And Drainage

Amount

SECTION NO. 7
ATTENUATION TANK
SECTION SUMMARY

Bill No.		Page
1	EARTHWORKS	7-6
2	CONCRETE, FORMWORK AND REINFORCEMENT	7-13
3	MASONRY	7-17
4	METALWORK	7-22
5	PLASTERING	7-26
6	PLUMBING AND DRAINAGE	7-30

Carried to Final Summary

Section No. 7
 SECTION SUMMARY

R

SECTION NO. 8
WATER SUPPLIES

Unit Quantity Rate Amount

SECTION NO. 8

WATER SUPPLIES

BILL NO. 1

PLUMBING AND DRAINAGE

The bidder is referred to the relevant clauses in the KZN Department of Health Standard Preambles to all Trades Rev 3 - January 2009 (available on request), to the Architectural and Structural/Civil Engineering specifications documents, to the drawings (which are to be read in conjunction with the architectural specification), and to all general and project-specific specifications as contained in the complete Bid Documents. Bidders are thus urged to study these documents as rates will be deemed to be inclusive of all requirements as included in same. Further, should any discrepancy be noted between these Bills of Quantities and the Specifications, the Specifications shall take precedence.

Further to the above, Bidders are to note that the latest edition of SANS 10400, current at the time of the tender will form part of the specifications to this contract and as such, pricing shall be deemed to include for complete conformance in all respects to the requirements of SANS 10400.

SUPPLEMENTARY PREAMBLES

Working at Heights

Bidders are to note that the work to be undertaken will require all necessary scaffolding, due to the heights of the structures to be constructed/altered. Bidders are to therefore price accordingly as rates will be deemed to include for same and no further claims in regard to all necessary scaffolding in the completion of the scope of works will be entertained.

Carried to Collection

R

Section No. 8
 Bill No. 1
 Plumbing And Drainage

	Unit	Quantity	Rate	Amount
<p><u>Labour Intensive</u></p> <p>Bidders are to note well that specific items within these Bills of Quantities have been designated as LABOUR INTENSIVE by the addition of the words "Labour Intensive" at the end of the description for the said item. Where items have been designated as being LABOUR INTENSIVE as described, pricing shall be deemed to include for the carrying out to completion of said item on site by means and methods that rely predominantly on manual labour. As such, no claims shall be entertained regarding any additional time or monetary costs incurred by the use of LABOUR INTENSIVE methods. Further, the Contractor is to note that contravention of the above i.e. use of mechanised, or other systems to carry out LABOUR INTENSIVE work as hereinafter designated, will be viewed and dealt with in an extremely serious light by the Client, as it remains a national imperative to develop, employ and provide skills through the Expanded Public Works Programme.</p> <p><u>Wire gratings</u></p> <p>Descriptions of gutter outlets shall be deemed to include wire balloon gratings</p> <p><u>Sealing of edges</u></p> <p>Outer edges of sinks, basins, baths, urinals are to be sealed against adjacent surfaces with approved silicone - Class F20 HM, to EN 150 11600</p> <p><u>uPVC pipes and fittings</u></p> <p>Soil, waste and vent pipes and fittings shall be solvent weld jointed or sealed with butyl rubber rings</p> <p>Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings</p> <p><u>"Polycop" polypropylene pipes</u></p> <p>Pipes shall be firmly fixed to walls with coloured nylon snap-in pipe clips with provision for accommodating thermal movement and jointed and fixed strictly in accordance with the manufacturer's instructions</p> <p>Polypropylene pipes 54mm diameter and smaller shall be seamless copper coloured Class 16 pipes jointed with "Fast-fuse" heat welded thermoplastic or where so described "Polylock" compression fittings</p>				
<p>Section No. 8 Bill No. 1 Plumbing And Drainage</p>			<p>Carried to Collection</p>	<p>R</p>

	Unit	Quantity	Rate	Amount
<p><u>Copper pipes</u></p> <p>Pipes shall be hard drawn and half-hard "Maksal" pipes of the class described. 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</p>				
<p><u>Reducing fittings</u></p> <p>Where fittings have reducing ends or branches they are described as "reducing" and 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</p>				
<p><u>Fixing of pipes</u></p> <p>Unless specifically otherwise stated, descriptions of pipes shall be deemed to include fixing to walls, casting in, building in or suspending not exceeding 1m below suspension level</p>				
<p><u>Disinfection of water pipework</u></p> <p>Water pipework is to be disinfected at completion in accordance with SANS (provision for disinfection elsewhere)</p>				
<p><u>General</u></p> <p>Rates for installation of sanware and all drainage and supply piping of all types will be deemed to include for fair cutting around pipes and making good to floor and wall finishes.</p>				
<p><u>As-built drawings</u></p> <p>Where required, the contractor shall prepare an updated set of as-built drawings. At completion of the contract the contractor shall hand these drawings to the principal agent for reproducing onto the originals for handing over to the employer (provision for allowance of as-built drawings elsewhere)</p>				
<p><u>WATER SUPPLIES</u></p>				
<p><u>Taps, Valves, etc - Polished Brass</u></p>				
1	No	1		
<p><u>HDPE PE 100 PN 16 pipes to SANS 1315</u></p>				
2	m	360		
			Carried to Collection	R
<p>Section No. 8 Bill No. 1 Plumbing And Drainage</p>				

	Unit	Quantity	Rate	Amount
3	No	5		
4	No	5		
<u>Extra over HDPE PE 100 PN 16 pipes for brass compression fittings</u>				
5	No	20		
6	No	10		
7	No	6		
8	No	13		
<u>Sundries</u>				
9	No	1		
<u>Paper wrapping to pipes</u>				
Pipes chased into brickwork must be wrapped with two layers of stout brown paper tied with wire. Rates are to include for wrapping around joints and fittings				
10	No	15		
11	Item			
<u>BUDGETARY ALLOWANCES</u>				
<u>Municipal Connection</u>				
12	Prov Sum			
Carried to Collection			R	
Section No. 8				
Bill No. 1				
Plumbing And Drainage				

Amount

BILL NO. 1
PLUMBING AND DRAINAGE
COLLECTION

Page No

Brought Forward from Page

8-2

8-3

8-4

8-5

Carried To Section Summary

R

Section No. 8
Bill No. 1
Plumbing And Drainage

Amount

SECTION NO. 8

WATER SUPPLIES

SECTION SUMMARY

Bill No.

1

PLUMBING AND DRAINAGE

Page

8-6

Carried to Final Summary

Section No. 8
SECTION SUMMARY

R

SECTION NO. 9
STORMWATER DRAINAGE

Unit Quantity Rate Amount

SECTION NO. 9
STORMWATER DRAINAGE
BILL NO. 1
PLUMBING AND DRAINAGE

The bidder is referred to the relevant clauses in the KZN Department of Health Standard Preambles to all Trades Rev 3 - January 2009 (available on request), to the Architectural and Structural/Civil Engineering specifications documents, to the drawings (which are to be read in conjunction with the architectural specification), and to all general and project-specific specifications as contained in the complete Bid Documents. Bidders are thus urged to study these documents as rates will be deemed to be inclusive of all requirements as included in same. Further, should any discrepancy be noted between these Bills of Quantities and the Specifications, the Specifications shall take precedence.

Further to the above, Bidders are to note that the latest edition of SANS 10400, current at the time of the tender will form part of the specifications to this contract and as such, pricing shall be deemed to include for complete conformance in all respects to the requirements of SANS 10400.

SUPPLEMENTARY PREAMBLES

Labour Intensive

Bidders are to note well that specific items within these Bills of Quantities have been designated as LABOUR INTENSIVE by the addition of the words "Labour Intensive" at the end of the description for the said item. Where items have been designated as being LABOUR INTENSIVE as described, pricing shall be deemed to include for the carrying out to completion of said item on site by means and methods that rely predominantly on manual labour. As such, no claims shall be entertained regarding any additional time or monetary costs incurred by the use of LABOUR INTENSIVE methods. Further, the Contractor is to note that contravention of the above i.e. use of mechanised, or other systems to carry out LABOUR INTENSIVE work as hereinafter designated, will be viewed and dealt with in an extremely serious light by the Client, as it remains a national imperative to develop, employ and provide skills through the Expanded Public Works Programme.

Carried to Collection

R

Section No. 9
 Bill No. 1
 Plumbing And Drainage

	Unit	Quantity	Rate	Amount
<p><u>Working at Heights</u></p> <p>Bidders are to note that the work to be undertaken will require all necessary scaffolding, due to the heights of the structures to be constructed/altered. Bidders are to therefore price accordingly as rates will be deemed to include for same and no further claims in regard to all necessary scaffolding in the completion of the scope of works will be entertained.</p> <p><u>Wire gratings</u></p> <p>Descriptions of gutter outlets shall be deemed to include wire balloon gratings</p> <p><u>Sealing of edges</u></p> <p>Outer edges of sinks, basins, baths, urinals are to be sealed against adjacent surfaces with approved silicone - Class F20 HM, to EN 150 11600</p> <p><u>uPVC pipes and fittings</u></p> <p>Soil, waste and vent pipes and fittings shall be solvent weld jointed or sealed with butyl rubber rings</p> <p>Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings</p> <p><u>"Polycop" polypropylene pipes</u></p> <p>Pipes shall be firmly fixed to walls with coloured nylon snap-in pipe clips with provision for accommodating thermal movement and jointed and fixed strictly in accordance with the manufacturer's instructions</p> <p>Polypropylene pipes 54mm diameter and smaller shall be seamless copper coloured Class 16 pipes jointed with "Fast-fuse" heat welded thermoplastic or where so described "Polylock" compression fittings</p> <p><u>Copper pipes</u></p> <p>Pipes shall be hard drawn and half-hard "Maksal" pipes of the class described. 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</p>				
<p style="text-align: right;">Carried to Collection</p> <p>Section No. 9 Bill No. 1 Plumbing And Drainage</p>			R	

	Unit	Quantity	Rate	Amount
<u>Reducing fittings</u>				
Where fittings have reducing ends or branches they are described as "reducing" and 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				
<u>Paper wrapping to pipes</u>				
Pipes chased into brickwork must be wrapped with two layers of stout brown paper tied with wire. Rates are to include for wrapping around joints and fittings				
<u>Disinfection of water pipework</u>				
Water pipework is to be disinfected at completion in accordance with SANS (provision for disinfection elsewhere)				
<u>General</u>				
Rates for installation of sanware and all drainage and supply piping of all types will be deemed to include for fair cutting around pipes and making good to floor and wall finishes.				
<u>As-built drawings</u>				
Where required, the contractor shall prepare an updated set of as-built drawings. At completion of the contract the contractor shall hand these drawings to the principal agent for reproducing onto the originals for handing over to the employer (provision for allowance of as-built drawings elsewhere)				
<u>STORMWATER DRAINAGE (CPAP WORK GROUP NO. 146)</u>				
<u>Class 100D concrete pipes</u>				
1		300mm Pipes laid in and including trenches exceeding 1m deep and not exceeding 2m deep. (Labour Intensive)	m	82
2		300mm Pipes laid in and including trenches exceeding 2m deep and not exceeding 3m deep. (Labour Intensive)	m	90
3		375mm Pipes laid in and including trenches exceeding 1m deep and not exceeding 2m deep. (Labour Intensive)	m	90
4		375mm Pipes laid in and including trenches exceeding 2m deep and not exceeding 3m deep. (Labour Intensive)	m	42
5		450mm Pipes laid in and including trenches exceeding 1m deep and not exceeding 2m deep. (Labour Intensive)	m	41
6		450mm Pipes laid in and including trenches exceeding 2m deep and not exceeding 3m deep. (Labour Intensive)	m	29
		Carried to Collection		R
Section No. 9				
Bill No. 1				
Plumbing And Drainage				

	Unit	Quantity	Rate	Amount
<u>Sundries</u>				
7	Extra only over backfill for selected earth filling from the excavations in back filling with an approved imported fine granular filling to 300mm below top of trench. (Labour Intensive)	m ³	866	
<u>Testing</u>				
8	Allow for testing all the stormwater drains as directed by the Engineer and re-testing after replacing any defective work to his satisfaction. The Contractor is to provide all testing apparatus and labour and is to follow the instruction of the Engineer	Item		
<u>Fixing of pipes</u>				
Unless specifically otherwise stated, descriptions of pipes shall be deemed to include fixing to walls, casting in, building in or suspending not exceeding 1m below suspension level				
<u>The following in catchpits, manholes, etc of 250mm thick 30 MPa/ 19mm concrete base, one brick walls in NFX hardburnt clay bricks rendered internally, and including 3:1 cement benching, excavations, part return and compact and carting away, etc</u>				
9	Catchpit overall size 1260 x 1260mm and exceeding 1000mm and not exceeding 1500mm deep internally, with rebated opening for cast iron cover and frame (elsewhere measured) (Labour Intensive)	No	4	
10	Catchpit overall size 1260 x 1260mm and exceeding 1500mm and not exceeding 2000mm deep internally, with rebated opening for cast iron cover and frame (elsewhere measured) (Labour Intensive)	No	6	
11	Inspection chamber overall size 1749 x 1749mm wide and exceeding 2000mm and not exceeding 2500mm deep internally, with rebated opening for cast iron cover and frame (elsewhere measured) (Labour Intensive)	No	5	
12	Inspection chamber overall size 1749 x 1749mm wide and exceeding 2500mm and not exceeding 3000mm deep internally, with rebated opening for cast iron cover and frame (elsewhere measured) (Labour Intensive)	No	5	
<u>Gratings, covers, etc</u>				
13	500 x 800mm Fibre reinforced polymer grating and frame	No	4	
14	Type 4A Fiberite composite circular manhole cover and frame	No	6	
Carried to Collection				
Section No. 9				
Bill No. 1				
Plumbing And Drainage				
			R	

Amount

BILL NO. 1
PLUMBING AND DRAINAGE
COLLECTION

Page No

Brought Forward from Page

9-2

9-3

9-4

9-5

Carried To Section Summary

R

Section No. 9
Bill No. 1
Plumbing And Drainage

Unit Quantity Rate Amount

SECTION NO. 9

STORMWATER DRAINAGE

BILL NO. 2

EXTERNAL WORKS

The bidder is referred to the relevant clauses in the KZN Department of Health Standard Preambles to all Trades Rev 3 - January 2009 (available on request), to the Architectural and Structural/Civil Engineering specifications documents, to the drawings (which are to be read in conjunction with the architectural specification), and to all general and project-specific specifications as contained in the complete Bid Documents. Bidders are thus urged to study these documents as rates will be deemed to be inclusive of all requirements as included in same. Further, should any discrepancy be noted between these Bills of Quantities and the Specifications, the Specifications shall take precedence.

Further to the above, Bidders are to note that the latest edition of SANS 10400, current at the time of the tender will form part of the specifications to this contract and as such, pricing shall be deemed to include for complete conformance in all respects to the requirements of SANS 10400.

SUPPLEMENTARY PREAMBLES

Working at Heights

Bidders are to note that the work to be undertaken will require all necessary scaffolding, due to the heights of the structures to be constructed/altered. Bidders are to therefore price accordingly as rates will be deemed to include for same and no further claims in regard to all necessary scaffolding in the completion of the scope of works will be entertained.

Carried to Collection

R

Section No. 9
 Bill No. 2
 External Works

	Unit	Quantity	Rate	Amount
<p><u>Labour Intensive</u></p> <p>Bidders are to note well that specific items within these Bills of Quantities have been designated as LABOUR INTENSIVE by the addition of the words "Labour Intensive" at the end of the description for the said item. Where items have been designated as being LABOUR INTENSIVE as described, pricing shall be deemed to include for the carrying out to completion of said item on site by means and methods that rely predominantly on manual labour. As such, no claims shall be entertained regarding any additional time or monetary costs incurred by the use of LABOUR INTENSIVE methods. Further, the Contractor is to note that contravention of the above i.e. use of mechanised, or other systems to carry out LABOUR INTENSIVE work as hereinafter designated, will be viewed and dealt with in an extremely serious light by the Client, as it remains a national imperative to develop, employ and provide skills through the Expanded Public Works Programme.</p> <p><u>Wire gratings</u></p> <p>Descriptions of gutter outlets shall be deemed to include wire balloon gratings</p> <p><u>Sealing of edges</u></p> <p>Outer edges of sinks, basins, baths, urinals are to be sealed against adjacent surfaces with approved silicone - Class F20 HM, to EN 150 11600</p> <p><u>uPVC pipes and fittings</u></p> <p>Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings</p> <p>Soil, waste and vent pipes and fittings shall be solvent weld jointed or sealed with butyl rubber rings</p> <p><u>"Polycop" polypropylene pipes</u></p> <p>Polypropylene pipes 54mm diameter and smaller shall be seamless copper coloured Class 16 pipes jointed with "Fast-fuse" heat welded thermoplastic or where so described "Polylock" compression fittings</p> <p>Pipes shall be firmly fixed to walls with coloured nylon snap-in pipe clips with provision for accommodating thermal movement and jointed and fixed strictly in accordance with the manufacturer's instructions</p>				
<p>Section No. 9 Bill No. 2 External Works</p>			<p>Carried to Collection</p>	<p>R</p>

	Unit	Quantity	Rate	Amount
<p><u>Copper pipes</u></p> <p>Pipes shall be hard drawn and half-hard "Maksal" pipes of the class described. 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</p> <p><u>Reducing fittings</u></p> <p>Where fittings have reducing ends or branches they are described as "reducing" and 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</p> <p><u>Fixing of pipes</u></p> <p>Unless specifically otherwise stated, descriptions of pipes shall be deemed to include fixing to walls, casting in, building in or suspending not exceeding 1m below suspension level</p> <p><u>Paper wrapping to pipes</u></p> <p>Pipes chased into brickwork must be wrapped with two layers of stout brown paper tied with wire. Rates are to include for wrapping around joints and fittings</p> <p><u>Disinfection of water pipework</u></p> <p>Water pipework is to be disinfected at completion in accordance with SANS (provision for disinfection elsewhere)</p> <p><u>General</u></p> <p><u>Rates for installation of sanware and all drainage and supply piping of all types will be deemed to include for fair cutting around pipes and making good to floor and wall finishes.</u></p> <p><u>As-built drawings</u></p> <p>Where required, the contractor shall prepare an updated set of as-built drawings. At completion of the contract the contractor shall hand these drawings to the principal agent for reproducing onto the originals for handing over to the employer (provision for allowance of as-built drawings elsewhere)</p>				
<p>Section No. 9 Bill No. 2 External Works</p>			<p>Carried to Collection</p>	<p>R</p>

	Unit	Quantity	Rate	Amount
<u>CONCRETE STORMWATER CHANNELS ETC</u>				
<u>Concrete stormwater channels of 25Mpa concrete</u>				
1				
1000 x 150mm Channel with 'V' channel formed therein and finished smooth on exposed surfaces including necessary excavation and formwork, 250 micron dpc, mesh 617 etc with expansion joints every 18m, cast in alternative sections of 1.5m	m	350		
2	No	82		
Extra over for angles, intersections, ends, etc				
<u>SEALING STRIPS, JOINT SEALANTS, TEC</u>				
<u>Two part grey polysulphide sealing compound including backing cord, bond breaker, primer, etc. (Provisional)</u>				
3				
8 x 13mm In expansion joints between brickwork and concrete including raking out expansion joint filler as necessary.	m	573		
<u>THE FOLLOWING IN HEADWALLS</u>				
<u>Reno mattress or other approved gabion</u>				
4				
Double twisted hexagonal woven steel wire mesh size approximately 2250mm long x 1500mm wide x 300mm thick, to be assembled and filled with 75mm stone to form flexible, permeable and monolithic structure with Geotextile fabric mesh under mattress and raised sides of 300mm all round - refer Engineers drawing No. 3039D-PH1-D-382-Rev A	No	1		
<u>Brick and concrete headwall</u>				
5				
Stormwater tapered headwall 2250mm wide extreme x 2030mm long tapering to 850mm at pipe connection x 900mm deep overall formed of 150mm thick concrete base, one brick walls tapering to the front, including faced brick walls, reinforced mat of standard rebar, all excavation, backfilling etc including 5No. Splitter blocks - see drawing No. 3039D-PH1-D-382-Rev A	No	1		
Carried to Collection			R	
Section No. 9				
Bill No. 2				
External Works				

Amount

BILL NO. 2
EXTERNAL WORKS
COLLECTION

Page No

Brought Forward from Page

9-7

9-8

9-9

9-10

Carried To Section Summary

R

Section No. 9
Bill No. 2
External Works

Amount

SECTION NO. 9

STORMWATER DRAINAGE

SECTION SUMMARY

Bill No.

- 1 PLUMBING AND DRAINAGE
- 2 EXTERNAL WORKS

Page

9-6

9-11

Carried to Final Summary

Section No. 9
SECTION SUMMARY

9-12

R

SECTION NO.10

RAINWATER HARVESTING TANKS

Unit Quantity Rate Amount

SECTION NO.10

RAINWATER HARVESTING TANKS

BILL NO. 1

PLUMBING AND DRAINAGE

The bidder is referred to the relevant clauses in the KZN Department of Health Standard Preambles to all Trades Rev 3 - January 2009 (available on request), to the Architectural and Structural/Civil Engineering specifications documents, to the drawings (which are to be read in conjunction with the architectural specification), and to all general and project-specific specifications as contained in the complete Bid Documents. Bidders are thus urged to study these documents as rates will be deemed to be inclusive of all requirements as included in same. Further, should any discrepancy be noted between these Bills of Quantities and the Specifications, the Specifications shall take precedence.

Further to the above, Bidders are to note that the latest edition of SANS 10400, current at the time of the tender will form part of the specifications to this contract and as such, pricing shall be deemed to include for complete conformance in all respects to the requirements of SANS 10400

SUPPLEMENTARY PREAMBLES

Working at Heights

Bidders are to note that the work to be undertaken will require all necessary scaffolding, due to the heights of the structures to be constructed/altered. Bidders are to therefore price accordingly as rates will be deemed to include for same and no further claims in regard to all necessary scaffolding in the completion of the scope of works will be entertained.

Carried to Collection

R

Section No. 10
 Bill No. 1
 Plumbing And Drainage

	Unit	Quantity	Rate	Amount
<p><u>Labour Intensive</u></p> <p>Bidders are to note well that specific items within these Bills of Quantities have been designated as LABOUR INTENSIVE by the addition of the words "Labour Intensive" at the end of the description for the said item. Where items have been designated as being LABOUR INTENSIVE as described, pricing shall be deemed to include for the carrying out to completion of said item on site by means and methods that rely predominantly on manual labour. As such, no claims shall be entertained regarding any additional time or monetary costs incurred by the use of LABOUR INTENSIVE methods. Further, the Contractor is to note that contravention of the above i.e. use of mechanised, or other systems to carry out LABOUR INTENSIVE work as hereinafter designated, will be viewed and dealt with in an extremely serious light by the Client, as it remains a national imperative to develop, employ and provide skills through the Expanded Public Works Programme.</p> <p><u>Wire gratings</u></p> <p>Descriptions of gutter outlets shall be deemed to include wire balloon gratings</p> <p><u>Sealing of edges</u></p> <p>Outer edges of sinks, basins, baths, urinals are to be sealed against adjacent surfaces with approved silicone - Class F20 HM, to EN 150 11600</p> <p><u>uPVC pipes and fittings</u></p> <p>Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings</p> <p>Soil, waste and vent pipes and fittings shall be solvent weld jointed or sealed with butyl rubber rings</p> <p><u>"Polycop" polypropylene pipes</u></p> <p>Polypropylene pipes 54mm diameter and smaller shall be seamless copper coloured Class 16 pipes jointed with "Fast-fuse" heat welded thermoplastic or where so described "Polylock" compression fittings</p> <p>Pipes shall be firmly fixed to walls with coloured nylon snap-in pipe clips with provision for accommodating thermal movement and jointed and fixed strictly in accordance with the manufacturer's instructions</p>				
<p>Section No. 10 Bill No. 1 Plumbing And Drainage</p>			<p>Carried to Collection</p>	<p>R</p>

	Unit	Quantity	Rate	Amount
<p><u>Copper pipes</u></p> <p>Pipes shall be hard drawn and half-hard "Maksal" pipes of the class described. 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</p> <p><u>Reducing fittings</u></p> <p>Where fittings have reducing ends or branches they are described as "reducing" and 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</p> <p><u>Fixing of pipes</u></p> <p>Unless specifically otherwise stated, descriptions of pipes shall be deemed to include fixing to walls, casting in, building in or suspending not exceeding 1m below suspension level</p> <p><u>Paper wrapping to pipes</u></p> <p>Pipes chased into brickwork must be wrapped with two layers of stout brown paper tied with wire. Rates are to include for wrapping around joints and fittings</p> <p><u>Disinfection of water pipework</u></p> <p>Water pipework is to be disinfected at completion in accordance with SANS (provision for disinfection elsewhere)</p> <p><u>General</u></p> <p>Rates for installation of sanware and all drainage and supply piping of all types will be deemed to include for fair cutting around pipes and making good to floor and wall finishes.</p> <p><u>As-built drawings</u></p> <p>Where required, the contractor shall prepare an updated set of as-built drawings. At completion of the contract the contractor shall hand these drawings to the principal agent for reproducing onto the originals for handing over to the employer (provision for allowance of as-built drawings elsewhere)</p>				
<p style="text-align: right;">Carried to Collection</p> <p>Section No. 10 Bill No. 1 Plumbing And Drainage</p>			R	

Amount

BILL NO. 1
PLUMBING AND DRAINAGE
COLLECTION

Page No

Brought Forward from Page

10-2

10-3

10-4

Carried To Section Summary

R

Section No. 10
Bill No. 1
Plumbing And Drainage

	Unit	Quantity	Rate	Amount
<p><u>SECTION NO.10</u> <u>RAINWATER HARVESTING TANKS</u> <u>BILL NO. 2</u> <u>EXTERNAL WORKS</u></p> <p><u>THE FOLLOWING IN RAINWATER HARVESTING TANKS</u> <u>Polyethylene water storage tanks</u></p>				
1				
<p>5000 Litres Jo-jo rainwater tank or similar approved, with 75mm Diameter opening for downpipe from gutter including 50mm Diameter overflow opening with 4mm Diameter galvanised wire looped through top of tank isolated with 15mm diameter hose to top of tank and anchored to top of slab with 'Hilti' hooks drilled into slab at all four corners and 15mm hose bib tap</p> <p>The Model Preambles for Trades 2008 published by the Association of South African Quantity Surveyors is designed to support and extend the abbreviated bills of quantities descriptions by inter alia referring to SANS construction standards . Where such model 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 applicable measuring system , represents the full description by extending the abbreviated bills of quantities descriptions and/or by inserting appropriate preambles or specifications</p> <p>Consider inserting the preambles hereunder when using the abovementioned Model Preambles for Trades 2008</p>				
	No	10		
<p><u>Tank stand</u> <u>Excavation in earth not exceeding 2m deep</u></p>				
2	m ³	12		
3	m ³	37		
<p><u>Risk of collapse of excavations</u></p>				
4	m ²	124		
<p><u>Extra over all excavations for carting away</u></p>				
5	m ³	23		
			R	
Carried to Collection				
Section No. 10				
Bill No. 2				
External Works				

	Unit	Quantity	Rate	Amount
<u>Keeping excavations free of water</u>				
6	Item			
Keeping excavations free of all water other than subterranean water				
<u>Earth filling obtained from the excavations and/or prescribed stock piles on site, compacted to 95% Mod AASHTO density</u>				
7	m ³	12		
Backfilling to trenches, holes, etc.,				
<u>Imported filling of G7 material, filled and compacted to 93% Mod AASHTO density, in layers not exceeding 150mm thick, all in accordance with the relevant sections of SANS</u>				
8	m ³	17		
Under floors, steps, pavings, etc.				
<u>Compaction of ground surfaces</u>				
9	m ²	79		
Compaction of ground surface under floors etc. including scarifying for a depth of 150mm, adding G7 material where necessary and compacting to 93% Mod AASHTO density				
<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 (5) years in accordance with SANS 10400</u>				
10	m ²	49		
Under floors etc, including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming				
11	m ²	191		
To bottoms and sides of trenches etc				
12	m ³	3		
Unreinforced concrete Class 25/19 in blinding				
13	m ³	8		
Reinforced concrete Class 25/19 in surface beds				
14	m ³	13		
Reinforced concrete Class 25/19 in strip footings				
15	m ²	49		
Finishing top surfaces of concrete smooth with a power float to surface beds, slabs, etc to falls				
16	Tonnes	6.00		
Steel reinforcement of various diameters to concrete foundations				
17	m ²	15		
Type 395 fabric reinforcement				
18	m ²	88		
One Brickwork of NFX bricks (14 MPa nominal compressive strength) in Class I mortar				
			R	
Carried to Collection				
Section No. 10				
Bill No. 2				
External Works				

19	20mm COBRA 541 or equally aproved tank locking tap fitted to a 22mm extension pipe with barrel nipple & galvanised socket	Unit	Quantity	Rate	Amount
		No	10		
Carried to Collection					R
Section No. 10 Bill No. 2 External Works					
10-8					

Amount

BILL NO. 2
EXTERNAL WORKS
COLLECTION

Page No

Brought Forward from Page

10-6

10-7

10-8

Carried To Section Summary

R

Section No. 10
Bill No. 2
External Works

10-9

Amount

SECTION NO.10

RAINWATER HARVESTING TANKS

SECTION SUMMARY

Bill No.

- 1 PLUMBING AND DRAINAGE
- 2 EXTERNAL WORKS

Page

- 10-5
- 10-9

Carried to Final Summary

Section No. 10
SECTION SUMMARY

10-10

R

SECTION NO.11
RETAINING WALLS

	Unit	Quantity	Rate	Amount
<p><u>SECTION NO.11</u> <u>RETAINING WALLS</u> <u>BILL NO. 1</u> <u>EARTHWORKS</u></p> <p>The bidder is referred to the relevant clauses in the KZN Department of Health Standard Preambles to all Trades Rev 3 - January 2009 (available on request), to the Architectural and Structural/Civil Engineering specifications documents, to the drawings (which are to be read in conjunction with the architectural specification), and to all general and project-specific specifications as contained in the complete Bid Documents. Bidders are thus urged to study these documents as rates will be deemed to be inclusive of all requirements as included in same. Further, should any discrepancy be noted between these Bills of Quantities and the Specifications, the Specifications shall take precedence.</p> <p>Further to the above, Bidders are to note that the latest edition of SANS 10400, current at the time of the tender will form part of the specifications to this contract and as such, pricing shall be deemed to include for complete conformance in all respects to the requirements of SANS 10400.</p> <p><u>SUPPLEMENTARY PREAMBLES</u> <u>Working at Heights</u></p> <p>Bidders are to note that the work to be undertaken will require all necessary scaffolding, due to the heights of the structures to be constructed/altered. Bidders are to therefore price accordingly as rates will be deemed to include for same and no further claims in regard to all necessary scaffolding in the completion of the scope of works will be entertained.</p>				
<p>Section No. 11 Bill No. 1 Earthworks</p>			<p>Carried to Collection</p>	<p>R</p>

	Unit	Quantity	Rate	Amount
<p><u>Labour Intensive</u></p> <p>Bidders are to note well that specific items within these Bills of Quantities have been designated as LABOUR INTENSIVE by the addition of the words “Labour Intensive” at the end of the description for the said item. Where items have been designated as being LABOUR INTENSIVE as described, pricing shall be deemed to include for the carrying out to completion of said item on site by means and methods that rely predominantly on manual labour. As such, no claims shall be entertained regarding any additional time or monetary costs incurred by the use of LABOUR INTENSIVE methods. Further, the Contractor is to note that contravention of the above i.e. use of mechanised, or other systems to carry out LABOUR INTENSIVE work as hereinafter designated, will be viewed and dealt with in an extremely serious light by the Client, as it remains a national imperative to develop, employ and provide skills through the Expanded Public Works Programme.</p> <p><u>Nature of ground</u></p> <p>The nature of the ground is assumed to be loose sandy material, therefore 'earth', but possibly interspersed with 'soft rock' or 'hard rock'</p> <p>A soils investigation has been carried out on the site by the engineer and the report is annexed to these bills of quantities.</p> <p><u>Carting away of excavated material</u></p> <p>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, and dumping at registered dumpsites.</p> <p><u>Bulking</u></p> <p>No allowance has been made for bulking</p> <p><u>Filling</u></p> <p>Notwithstanding the reference to prescribed multiple handling in clause 1 page 6 of the Standard System of Measuring Building Work, prices for filling and backfilling shall include for all selection and any necessary multiple handling of material</p> <p><u>Testing</u></p> <p>Prices for filling are to include for all necessary density tests in accordance with the relevant section of SANS</p>				
<p>Section No. 11 Bill No. 1 Earthworks</p>			<p>Carried to Collection</p>	<p>R</p>

	Unit	Quantity	Rate	Amount
<u>Proximity to existing structures</u>				
Bidders are to note that some of the following measured work is to be undertaken in close proximity to existing buildings. No claims in this regard will be entertained.				
<u>Drawings:</u>				
Tenderers are to note that where descriptions include references to drawings which form part of the tender documentation, notwithstanding anything contained in the description, tenderers are to price these items in accordance with the drawings. Further, the onus is on the tenderer to ensure that all relevant drawings referenced in the Bills of Quantities are included in the tender documents. No further time or monetary claims resulting from failure to comply with any of the above will be entertained.				
<u>Cost of tests</u>				
The costs of making, storing and testing of concrete test cubes as required under the relevant part of SANS, shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the principal agent. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval of the principal agent. (Test cubes are measured separately).				
<u>Concrete</u>				
Rates for concrete shall be deemed to include for all necessary transportation, hoisting, etc. to render a perfect, sound and stable installation all to the satisfaction of the Structural Engineer.				
Bidders are to note that delay claims related to the supply of concrete decking, reinforcement, etc. will not be entertained and are thus urged to take cognisance of quantities required and secure supply accordingly				
<u>THE FOLLOWING IN INTERLOCKING BLOCK RETAINING STRUCTURES DESIGNED, SUPPLIED AND INSTALLED COMPLETE BY THE MANUFACTURE OR APPROVED AGENT</u>				
<u>Earthworks (CPAP Work Group 104)</u>				
<u>Excavations</u>				
1		Excavate in soft excavations and compacted fill material for surface trenches not exceeding 2m deep and deposit on the site	m ³	13
2		Backfilling from excavations to trenches and holes compacted to 98% MOD AASHTO density.	m ³	4
Carried to Collection			R	
Section No. 11				
Bill No. 1				
Earthworks				

	Unit	Quantity	Rate	Amount
<u>Extra over all excavations for carting away</u>				
3	m ³	9		
<u>G7 earth filling supplied by the contractor, compacted in layers not exceeding 150mm thick to 93% Mod AASHTO density, all in accordance with SANS 10400</u>				
4	m ³	75		
<u>"Wickdrain" by Kaytech</u>				
5	m ²	150		
<u>Risk of collapse of excavations</u>				
6	m ²	53		
<u>Concrete (CPAP Work Group No. 110)</u>				
<u>Soilcrete</u>				
7	m ³	60		
<u>Unreinforced concrete 25MPa/19mm cast against excavated surfaces:</u>				
8	m ³	11		
<u>"Loffelstein" Precast concrete interlocking planter blocks finished smooth on exposed surfaces. (Work Group No. 112)</u>				
9	m ²	150		
10	m ²	45		
<u>Slotted PVC-U flexible drainage pipes</u>				
11	m	75		
	Carried to Collection			R
Section No. 11 Bill No. 1 Earthworks				

		Unit	Quantity	Rate	Amount
12	50mm Diameter weep pipe approximately 1200mm long through loffelstein wall, including 110mm Diameter junction, 110mm long eccentric reducer spigot and socket, riversand blinding and wrapped in U14 bidim (A2) fabric or other approved high strength needle punched and polyester non-woven geotextile bidim	No	30		
	<u>Extra over slotted PVC-U flexible drainage pipes for fittings</u>				
13	100mm Bend	No	30		
14	100mm End cap	No	2		
	Carried to Collection			R	
Section No. 11					
Bill No. 1					
Earthworks					

Amount

BILL NO. 1
EARTHWORKS
COLLECTION

Page No

Brought Forward from Page

11-2

11-3

11-4

11-5

11-6

Carried To Section Summary

R

Section No. 11
Bill No. 1
Earthworks

Amount

SECTION NO.11
RETAINING WALLS
SECTION SUMMARY

Bill No.

1 EARTHWORKS

Page

11-7

Carried to Final Summary

Section No. 11
SECTION SUMMARY

R