

**PROVINCIAL ADMINISTRATION OF KWAZULU-NATAL
DEPARTMENT OF PUBLIC WORKS**



KWAZULU-NATAL PROVINCE

**PUBLIC WORKS
REPUBLIC OF SOUTH AFRICA**

BILLS OF QUANTITIES

with GCC for Construction Works - Second Edition 2010

CONTRACTUAL SECTION

ONE VOLUME APPROACH

**DEPARTMENT OF EDUCATION SANITATION PROGRAMME FOR SCHOOLS,
UGU DISTRICT: PHUMZA HIGH SCHOOL (SOUTHERN REGION)**

Engineer/Principal Agent

Department of Public Works and Infrastructure
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Private Bag X 9041
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Region:

Regional Manager
KZN Department of Public Works
X9041
Pietermaritzburg
3200
Tel Number: 033-897 1421/1422
Fax Number: 033-897 1399

Tender Number: ZNTM00934W
CIDB Grading: 5GB or HIGHER
ECDP Number: N/A

Project Code: 064545
Document Date: 16 September 2026

Contracting Party: _____
CIDB Registration number: _____
Central Suppliers Database Registration Number: _____

**DEPARTMENT OF EDUCATION SANITATION PROGRAMME FOR SCHOOLS, UGU DISTRICT:
PHUMZA HIGH SCHOOL (SOUTHERN REGION)**



KWAZULU-NATAL PROVINCE
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THE TENDER

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IMPORTANT NOTICE TO TENDERERS

Any reference to words Tender or Tenderder herein and/or in any other documentation shall be construed to have the same meaning as the words Tender or Tenderer. These forms are for internal and external use for the KZN Department of Public Works, 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"

TENDERERS TO NOTE

- 1.The Department reserves the right not to award to the lowest bidder.
- 2.In addition, the Department may conduct a detailed risk assessment prior to the award of the bid.
- 3.The bid document can be downloaded from e-Tender Portal (<https://www.etenders.gov.za>) at no cost. However, should any bidder require a printed/hard copy of the bid document, a nonrefundable payment must be made for collection thereof as per the banking details indicated below. Proof of payment must be produced upon collection of the bid document.
- 4.No Site Inspection certificates will be issued at the Tender briefing meeting. The Site Inspection certificate must be signed and stamped by the Department representative, during the briefing as proof of attendance, and should it not be signed your tender document will be disqualified.
- 5.Bidders who attend without a hard copy bid document will not be allowed to the briefing.
- 6.No late arrivals will be admitted to the tender briefing meeting.
- 7.Late submissions will not be accepted.
- 8.Faxed or e-mailed bids are not accepted.
- 9.Only Bidders registered on Central Suppliers Database and applicable CIDB 5GB will be eligible to submit bids.
- 10.The Preference points system is applicable for this bid is 80/20, where 20 points of specific goals will be allocated as follows:
 - Ownership by Black People: 5 points
 - Ownership by People who are Women: 6 points
 - Ownership by people who are Youth: 5 points
 - Ownership by people living with Disabilities: 4 points



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**DEPARTMENT OF EDUCATION SANITATION PROGRAMME FOR SCHOOLS, UGU DISTRICT:
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THE CONTRACT



KWAZULU-NATAL PROVINCE

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**DEPARTMENT OF EDUCATION SANITATION PROGRAMME FOR SCHOOLS, UGU DISTRICT:
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C1 - AGREEMENT AND CONTRACT DATA



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PUBLIC WORKS
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**DEPARTMENT OF EDUCATION SANITATION PROGRAMME FOR SCHOOLS, UGU DISTRICT:
PHUMZA HIGH SCHOOL (SOUTHERN REGION)**

FORM OF OFFER AND ACCEPTANCE

FORM OF OFFER AND ACCEPTANCE

Tender No - ZNTM00934W



KWAZULU-NATAL PROVINCE
PUBLIC WORKS
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF EDUCATION SANITATION PROGRAMME FOR SCHOOLS, UGU DISTRICT:
PHUMZA HIGH SCHOOL (SOUTHERN REGION)

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 SIGN ACCEPTANCE BY THE EMPLOYER AND IT WILL BECOME PART OF THE CONTRACT.

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



KWAZULU-NATAL PROVINCE

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**DEPARTMENT OF EDUCATION SANITATION PROGRAMME FOR SCHOOLS, UGU DISTRICT:
PHUMZA HIGH SCHOOL (SOUTHERN REGION)**

C1.2 - CONTRACT DATA

C 1.2 CONTRACT DATA:

with GCC for Construction Works - Second Edition 2010

CONTRACT DATA FOR:

DEPARTMENT OF EDUCATION SANITATION PROGRAMME FOR SCHOOLS, UGU DISTRICT: PHUMZA HIGH SCHOOL (SOUTHERN REGION)

Tender no: ZNTM00934W

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.saiice.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 but not left blank. 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.

Part 1: CONTRACT DATA PROVIDED BY THE EMPLOYER:

PRE-TENDER INFORMATION

CONTRACTING AND OTHER PARTIES

[1.1.1.15]

Employer:

Head: Public Works (KZN Department of Public Works: Province of KwaZulu-Natal)

Postal address:

Private Bag X 9041

PIETERMARITZBURG

3200

Tel: **033 - 8971399**

Fax: **033 - 8971300**

[1.2.1.2]

Physical address:

191 Prince Alfred Street

PIETERMARITZBURG

3200

[1.1.1.16]

Employers Agent 1

Miss JM Nandolo

Agent's service:

Architect

Postal address:

P.O. Box X9153

Pietermaritzburg

3200

Tel: **033 897 1356**

Fax: **033 987 1300**

Employers Agent 2

Mr. C Manqele and Mr. S Silangwe

Agent's service:

Civil Engineers

Postal address:

P.O. Box X9153

Pietermaritzburg

3200

Tel: **033 897 1369**

Fax: **033 897 1300**

Employers Agent 3

Mr. J. Hassan

Agent's service:

Structural Engineer

Postal address:

P.O. Box X9153

Pietermaritzburg

3200

Tel: **033 897 1326**

Fax: **033 897 1300**

Employers Agent 4

Mr. T Z Mncube

Agent's service:

Quantity Surveyor

Postal address:

P.O. Box X9153

Pietermaritzburg

3200

Tel: **033 897 1400**

Fax: **033 897 1300**

Tender no: ZNTM00934W	
	Employers Agent 5 [Agents Name] Agent's service: [Identify Agent's Service, eg. Engineer] Postal address: [P.O. Box number] [Name of town] [Code] Tel: insert [Tel Number including Area Code] Fax: [Fax Number including Area Code]
	Employers Agent 6 [Agents Name] Agent's service: [Identify Agent's Service, eg. Engineer] Postal address: [P.O. Box number] [Name of town] [Code] Tel: insert [Tel Number including Area Code] Fax: [Fax Number including Area Code]
	Employers Agent 7 [Agents Name] Agent's service: [Identify Agent's Service, eg. Engineer] Postal address: [P.O. Box number] [Name of town] [Code] Tel: insert [Tel Number including Area Code] Fax: [Fax Number including Area Code]
	Employers Agent 8 [Agents Name] Agent's service: [Identify Agent's Service, eg. Engineer] Postal address: [P.O. Box number] [Name of town] [Code] Tel: insert [Tel Number including Area Code] Fax: [Fax Number including Area Code]
PART 1: DATA PROVIDED BY THE EMPLOYER	
[1.1.1.13]	Defects Liability Period The defects liability period is: A time measured from the date of the Certificate of Completion. Defects Liability Period is 12 Months 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 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 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 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 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 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 The Contractor shall deliver his Priced Bill of Quantity within 14 calendar days after notice from the Employer, prior to the Commencement Date.
	Programme 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
[5.3.2]	The time to submit the documentation required before commencement with Works execution is: 14 calendar days

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 16-Dec-26 ends on 08-Jan-27 Second Year end break - commences 16-Dec-27 ends on 07-Jan-28 Third Year end break - commences 18-Dec-28 ends on 05-Jan-29 Fourth Year end break - commences 17-Dec-29 ends on 11-Jan-30
Engineer/Principal Agent to consult with Employer	
[3.1.3]	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.
Security	
[6.2.1]	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 receives one fully completed original copy of this document, 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 fully signed 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 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 (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 2) Lateral support insurance to be effected by the contractor: Yes ☒ No ☐ 3) Payment will be made for materials and goods Yes ☒ No ☐ 4) Dispute resolution by litigation Yes ☐ No ☒ 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
[8.6.1.3]	The limit for indemnity for liable insurance is: Unlimited
[6.5.1.2.3]	The percentage allowance to cover overhead charges for contractor and subcontractors, is: 33.30%
[6.5.2]	The percentage allowance to cover overhead charges for contractor is: 10.00%
[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: 6 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

	For the works in sections: The date for practical completion from the commencement date and the penalty per calendar day: Portion 1: [5.5.1] N/A [5.13.1] 0.04% of the Contract Price, rounded to the nearest R10 Portion 2: [5.5.1] N/A [5.13.1] 0.04% of the Contract Price, rounded to the nearest R10 Portion 3: [5.5.1] N/A [5.13.1] 0.04% of the Contract Price, rounded to the nearest R10 Portion 4: [5.5.1] N/A [5.13.1] 0.04% of the Contract Price, rounded to the nearest R10 Portion 5: [5.5.1] N/A [5.13.1] 0.04% of the Contract Price, rounded to the nearest R10 Portion 6: [5.5.1] N/A [5.13.1] 0.04% of the Contract Price, rounded to the nearest R10 [1.3.2] The law applicable to this agreement shall be that of the: Republic of South Africa [6.10.1.5] The percentage advance on materials not yet built into the Permanent Works is: 80,00% [6.10.3] 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. Maximum retention is: 0,00% of the Contract Price [6.8.1] Notwithstanding anything to the contrary contained in the General conditions of Contract and Preliminaries, this contract could only, when the <u>construction period exceeds 8 months and the contract exceeds R1,000,000.00</u>, be subject to a Contract Price Adjustment Factor. [6.8.2] 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." [6.8.2] 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. [5.14.5] The following clause must be added to clause 5.14.5: [5.14.5.6] The employers agent shall submit the final account within 3 calendar months to the principal agent. [10.5] The determinations of disputes shall be by ARBITRATION ONLY. [10.5.3] The number of Adjudication Board Members to be appointed is: One [10.9.1] 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." 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: 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. Alternative Indices: Not Applicable Details of changes made to the General Conditions of Contract for construction works (2010) Second Edition Clause [1.1] [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. [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. [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. 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. 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. FINAL ACCOUNT - The document prepared by the principal agent, which reflects the contract value of the works at final approval or termination. 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. 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:
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	(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 (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
[1.1.1.16]	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)
[1.1.1.21]	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.
[4.4.1]	Add the following to the clause 4.4.1: "The Contractor shall only use subcontractors who are duly registered with the CIDB and who has an ACTIVE status at the time of submitting the tender"
[6.2.1]	Refer to Offer and Acceptance form for the various options that the contractor may choose from in providing a form of Guarantee under "GUARANTEE OPTIONS".
[6.10.6.2]	Replace "at the prime overdraft rate, as charged by the Contractor's Bank," with "...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)." Omit "on all overdue payments from the date on which the same should have been paid..." and replace with "only after 30 calendar days from receiving written notice from the Contractor that the amount is overdue..."
[5.12.3]	SPECIAL CONDITIONS OF CONTRACT Omit clause 5.12.3 and add the following: "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; 5.12.3.1 Failure to give possession of the site to the contractor. 5.12.3.2 Making good physical loss and repairing damage to the works where the contractor is not at risk. 5.12.3.3 Contract instructions not occasioned by default by the contractor. 5.12.3.4 Failure to issue construction information timeously or the late issue of a contract instruction following a request from the contractor. 5.12.3.5 Late acceptance by the principal agent of a design undertaken by a selected subcontractor where the contractor's obligations have been met. 5.12.3.6 Suspension or cancellation termination invoked by a nominated or selected n/s subcontractor due to default by the employer or the principal agent. 5.12.3.7 Insolvency of a nominated subcontractor. 5.12.3.8 A direct contractor. 5.12.3.9 Opening up and testing of work and materials and goods where such work is according to in accordance with the contract documents. 5.12.3.10 The execution of additional work for which the quantity included in the bills of quantities is not sufficiently accurate. 5.12.3.11 Late or failure to supply materials and goods for which the employer is responsible. 5.12.3.12 Suspension of the works." [5.14.5.1] Omit entire clause 5.14.5.1 [5.16.4] 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." [6.2.2] Replace the following "...it shall be deemed that the Contractor has selected a security of ten percent retention of the value of the Works." with "...it shall be deemed that the Contractor 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." [6.2.3] Add to clause 6.2.3 the following "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 Omit "without prejudice to the exercise of any lien the Contractor may have acquired over the Employer's property." [9.3.2.2] Duties and functions of the Engineer requiring the specific approval of the Employer BEFORE execution of any part of these duties are as follows: (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 (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 BOTH the "Official Variation Order" and the "Financial Request for Variation Order and Additional Funds" form, as issued by the Department of Public Works, have been approved and signed by the Employer. (c) Insurance policies to be approved by the Employer within 21 days of the date of the Commencement of the Works. (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. (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 MANAGING PROJECT DURATION (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. (b) Activity-and total float shall belong to the Employer. (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. 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 rain and the number of rain days allowed within the critical path shall be on the provisions of the clause dealing with inclement weather and claiming for delays in performance in this bill. Allowance for the above must be made under this item as no claims for failing to comply with this precondition will later be entertained. 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	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: ZNTM00934W

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:

*Alternative A

Yes

**Alternative B

N/A

* 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.

** 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.

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:

10% of the General Items/Preliminaries amount shall not be varied

15% of the General Items/Preliminaries shall only be varied in proportion of the Contract Price to the Contract Sum

75% of the General Items/Preliminaries shall be varied in proportion to the revised Construction Period compared with the initial Construction Period.

Alternative A

Adjustment of Preliminaries (Clause 6.7, 6.8, 6.10 and 6.11)

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:-

- An amount which shall not be varied.

- An amount varied in proportion to the contract value as compared to the Contract Sum.

- 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.

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

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;

10% of the amount shall not be varied

15% varied in proportion of the Contract Value to the Contract Sum

75% varied in proportion to the revised Construction period compared with the initial Construction Period

Sectional Completion : Subdivision of Preliminaries Costs

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.

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.

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.

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.

YES yes / no

or

Alternative B

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.

NO yes / no

The contractor is informed that only option 'A' shall apply

2 DOCUMENTS

Contract documents marked and annexed hereto:

Priced Bills of Quantities:

Yes

No

Lump Sum document :

Yes

No

Guarantee Options:

Not applicable

2.2 DESIGN BRIEF

Not applicable

YES or NO

2.3 DRAWINGS

See list of drawings/Annexure's attached to this document.

YES or NO

2.4 DESIGN PROCEDURES

Not applicable

YES or NO

Contract drawings:

Yes

No

Other documents:

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) cash deposit of 10 % of the Contract Price

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

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

(iv) 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)

X

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

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

Capacity of signatory

as Witness.



KWAZULU-NATAL PROVINCE

PUBLIC WORKS
REPUBLIC OF SOUTH AFRICA

**DEPARTMENT OF EDUCATION SANITATION PROGRAMME FOR SCHOOLS, UGU DISTRICT:
PHUMZA HIGH SCHOOL (SOUTHERN REGION)**

C1.3 - FORM OF GUARANTEE

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

Head: Public Works
KZN Department of Public Works:
Private Bag X 9041
PIETERMARITZBURG
3200

Sir,

ON DEMAND PERFORMANCE GUARANTEE

Tender Number ZNTM00934W

Project Code 064545

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 Public Works

"Contractor" means: _____

"Engineer" means: _____

"Works" means: **DEPARTMENT OF EDUCATION SANITATION PROGRAMME FOR
SCHOOLS, UGU DISTRICT: PHUMZA HIGH SCHOOL (SOUTHERN
REGION)**

"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

PUBLIC WORKS
REPUBLIC OF SOUTH AFRICA

**DEPARTMENT OF EDUCATION SANITATION PROGRAMME FOR SCHOOLS, UGU DISTRICT:
PHUMZA HIGH SCHOOL (SOUTHERN REGION)**

PART C2 - PRICING DATA

C2.1 PRICING INSTRUCTIONS

GCC FOR CONSTRUCTION WORKS (Second Edition 2010)

Project title:	DEPARTMENT OF EDUCATION SANITATION PROGRAMME FOR SCHOOLS, UGU DISTRICT: PHUMZA HIGH SCHOOL (SOUTHERN REGION)		
Tender no:	ZNTM00934W	Project Code:	064545

C2.1 Pricing Instructions

	Where any item is not relevant to this specific contract, such item is marked N/A (signifying "not applicable") 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.
1	MASSES AND MEASURING UNITS These shall be in accordance with the Measuring Units and National Measuring Standards Act No. 76 of 1973 and amendments thereto. 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 : Public Works 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.
2	PRICES FOR VARIATIONS 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 : Public Works 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.
3	SCALE 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.
4	PROVISIONAL ITEMS All items described as "Provisional" shall be used as directed by the Employer and measured and valued or paid for. No work for which "Provisional" items are allowed shall be commenced without written instructions from the Head : Public Works.

5	TIMELY ORDERING OF MATERIALS 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. 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.
6	ELECTRICAL LIGHTING, POWER AND WATER 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. 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. 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.
7	IMPORT PERMITS, DUTIES AND SURCHARGES. 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. 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. 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.
8	STANDARD SYSTEM OF MEASUREMENT WHERE BILLS OF QUANTITIES FORM PART OF THE TENDER DOCUMENTS The work executed under this Contract has been measured in accordance with the; Standard System of Measuring Builders Work (7th Edition) 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.
9	PRICING OF ROCK EXCAVATIONS 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.

10	BROAD BASED BLACK ECONOMIC EMPOWERMENT 1. It is the deliberate policy of the Provincial Administration of KwaZulu-Natal to foster and to encourage the economic empowerment of Black South Africans. This policy will be implemented without prescription and without prejudicing the principles and the integrity of the Provincial Administration of KwaZulu-Natal. Subject to these constraints and also subject to good business practise and commercial consideration, it is therefore considered appropriate that the Provincial Administration of KwaZulu-Natal should encourage business relationships with companies which actively pursue Affirmative Action and Black Economic Empowerment Programmes. 2. In responding to this tender you are therefore encouraged to devote attention to these two subjects of Affirmative Action and Economic Empowerment. In addition, in considering the appointment of sub-contractors, you are requested to extend the spirit of these policies. 3. The foregoing enunciations of this policy are not intended to be prescriptive nor to preclude any individual or operation from responding to this tender.				
11	REGISTRATION ON THE CENTRAL SUPPLIERS DATABASE 1. 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 varification functionality of key supplier information. 2. Prospective suppliers will be able to self - register on the CSD website: www.csd.gov.za 3. Once the supplier information has been varified 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. 4. Suppliers can provide their CSD supplier number and unique security code to organs of state to view their varified CSD information. 5. 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" data-bbox="151 1249 1402 1400"> <tr> <td data-bbox="151 1249 627 1317">Name of Supplier</td><td data-bbox="627 1249 1402 1317"></td></tr> <tr> <td data-bbox="151 1317 627 1400">Central Supplier Database (CSD) Supplier Number:</td><td data-bbox="627 1317 1402 1400"></td></tr> </table>	Name of Supplier		Central Supplier Database (CSD) Supplier Number:	
Name of Supplier					
Central Supplier Database (CSD) Supplier Number:					
12	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 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. 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 Tenderders / individuals who wish to submit Tenders. 2. 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. 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. 6. 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.				

Security PIN Number	
Company / Entity Tax Reference Number	
13	BILLS OF QUANTITIES/LUMP SUM DOCUMENT 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.
14	VALUE ADDED TAX 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.
15	FIXED PRICE CONTRACT Should the Bills of Quantities/Lump Sum Document be a fixed price contract, the following clause must be inserted in the Pricing Instructions: Tenderders are to take note that the contract price adjustments are not applicable to this contract. Tenderders should therefore make provision in the Contract Sum, schedule of rates, etc. for possible price increases during the contract period, as no claims in this regard shall be entertained.



KWAZULU-NATAL PROVINCE

PUBLIC WORKS
REPUBLIC OF SOUTH AFRICA

**DEPARTMENT OF EDUCATION SANITATION PROGRAMME FOR SCHOOLS, UGU DISTRICT:
PHUMZA HIGH SCHOOL (SOUTHERN REGION)**

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

DEPARTMENT OF EDUCATION SANITATION PROGRAMME FOR SCHOOLS, UGU DISTRICT: PHUMZA HIGH SCHOOL (SOUTHERN REGION)					
BILL NO. 1 C2.2 PRELIMINARY AND GENERAL					
	NOTES	UNIT	QUANTITY	RATE	AMOUNT
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.				
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.				
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.				
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.				
v)	Where any item is not relevant to this specific contract such item is marked N/A (signifying "not applicable").				
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.				
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 .				
	SECTION A: GENERAL CONDITIONS OF CONTRACT				
A1	General (clause 1) F:..... V:..... T:.....	Item			
A2	Basis of Contract (clause 2) F:..... V:..... T:.....	Item			
A3	Engineer (clause 3) F:..... V:..... T:.....	Item			
A4	Contractor's General Obligation (clause 4) F:..... V:..... T:.....	Item			
A5	Time and Related Matters (clause 5) - As referred to in the Contract Data under Special Condition of Contract. The Contract Period shall be deemed to include all Non – Working Days, Special Non – Working Days and the year-end Builders Annual Industry Holiday Periods. F:..... V:..... T:.....	Item			
	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			
SECTION B: SANS 1921-1:2004 (Edition 1): CONSTRUCTION AND MANAGEMENT REQUIREMENTS FOR WORKS CONTRACTS: PART 1 Refer to the SCOPE OF WORK for detail requirements:					
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 (The reference to Clauses refer to Table B.1 of SANS 1921-1:2004)					
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 Section E contains Specific Preliminary items which apply to this contract except where "N/A" (Not Applicable) appears against the item.				
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	SITE INSTRUCTIONS 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. F:..... V:..... T:.....	Item			
E5	LABOUR RECORD 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. F:..... V:..... T:..... <i>Note: In the event that the contractor fails to satisfy the requirements of this specification, the Employer (Head: Public Works) may apply any of the sanctions provided in the contract. Sanctions may include the application of a financial penalty of .04% of the Contract Sum per calendar day of which the required report has not been submitted.</i>	Item			
E6	PLANT RECORD 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. F:..... V:..... T:.....	Item			
E7	NON CESSION OF MONIES The Contractor shall not cede nor assign his rights or claims to any monies due or to become due under this contract. F:..... V:..... T:.....	Item			
E8	SECTIONAL COMPLETION 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. F:..... V:..... T:.....	Item			
E9	LOCAL LABOUR 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. F:..... V:..... T:.....	Item			
Carried forward to collection				R	

		UNIT	QUANTITY	RATE	AMOUNT
E10	IMPORT PERMITS AND DUTIES 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. 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. F:..... V:..... T:.....	Item			
E11	CONTRACT PRICE ADJUSTMENT PROVISIONS (CPAP) 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> 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. F:..... V:..... T:.....	Item			
E12	EPWP CONDITIONS AND SPECIFICATIONS 12.1 EMPLOYMENT TARGETS E12.1 a Employment Targets 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. No of jobs to be created = [Contractor to fill in an estimated number] F:..... V:..... T:..... E12.1 b Employment requirements Tenderers are advised that this contract will be subject to the Expanded Public Works Program (EPWP) aimed at alleviating and reducing unemployment. Tenderers must allow for any costs for the employment of unskilled labour as per the requirements of the EPWP program; 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. F:..... V:..... T:.....	Item			
	Carried forward to collection			R	

		UNIT	QUANTITY	RATE	AMOUNT
	E12.1 c Labour rate and payment intervals 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. F:..... V:..... T:.....	Item			
	12.2 LABOUR INTENSIVE CONSTRUCTION METHOD E12.2 a Labour Intensive Construction (LIC) method 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 F:..... V:..... T:.....	Item			
	E12.2 b Labour Intensive Construction Method 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)" F:..... V:..... T:.....	Item			
	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. F:..... V:..... T:.....	Item			
	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. F:..... V:..... T:.....	Item			
	Carried forward to collection			R	

	UNIT	QUANTITY	RATE	AMOUNT
E12.4 EPWP REPORTING as per EPWP DATA FORM 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: 1. EPWP monthly data collection form 2. Worker monthly payment upload 3. Worker monthly proof of payment i.e 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 F:..... V:..... T:..... E12.5 EPWP PROMOTION 12.5.1 EPWP signage board 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 MEDIUM " 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 medium 100 mm black upper case to be for project name and owner . Helvetica medium 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 minimum 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. F:..... V:..... T:..... 12.5.2 Branding of labour apparel 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. The contractor is then advised to price for both item 17.5.1 and 17.5.2 F:..... V:..... T:..... E12.6 COMMUNITY LIAISON OFFICER (CLO) UTILISATION OF A COMMUNITY LIAISON OFFICER 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 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. 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. Key Responsibilities of the CLO are envisaged to include and not necessary be limited to:	Item			
	Item			
	Item			

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					
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		UNIT	QUANTITY	RATE	AMOUNT
	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. 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. 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. 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 F:..... V:..... T:..... E12.7 SKILLS DEVELOPMENT ON SITE 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. 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. 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. F:..... V:..... T:..... E12.8 LABOUR ONLY Sub Contracting for local emerging enterprises Tenderer's are advised that this contract is subject to the Expanded Public Works Programme (EPWP) and the following criteria will apply: <u>African Equity Ownership</u> 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. b) The Priority Population Group consists of women, youth and disabled people. 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). 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. In so far as possible, the Contractor is encouraged to expand the PPG's skills, knowledge and performance levels. F:..... V:..... T:.....	Item			
		Item			
		Item			
	Carried forward to collection			R	

		UNIT	QUANTITY	RATE	AMOUNT
	<u>TENDERER'S TO NOTE CONDITIONS</u> a) The contract to be entered into between the Contractor and the PPG's will be a LABOUR ONLY sub-contract. 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. 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. 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 e) The Contractor is to allow for extra storage facilities on site for the PPG's tools and equipment. 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. 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. <u>CO-ORDINATION</u> 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. F:..... V:..... T:..... <u>ATTENDANCE</u> 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. 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. 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. F:..... V:..... T:..... E12.9 EPWP CONTRACT FOR LABOUR 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. F:..... V:..... T:.....	Item			
		Item			
	Carried forward to collection			R	

	UNIT	QUANTITY	RATE	AMOUNT
E12.10 EPWP SCOPE of WORK 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. 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; i) Excavating trenches for foundations and any other civil works with the depth not more than 1.5 m ii) All masonry works which include concrete mixing on site; brickwork; plastering; screed works; jointing; etc. iii) Painting, Plumbing, Ironmongery; roof cladding; glazing; tiling; carpentry; flooring; waterproofing; etc. F:..... V:..... T:..... 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. <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. <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. <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. F:..... V:..... T:.....	Item			
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		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: Public Works) may apply any of the sanctions provided for in the contract. Sanctions may include the application of a financial penalty of .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. Tenderers 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 Tender documents do not comprise the complete set but serves as a guide only for tendering purposes and for indicating the scope of works to enable the Tenderer 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 Tenderer he shall, before submitting his Tender, obtain clarification in writing from the principal agent. F:..... V:..... T:.....	Item			
	Carried forward to collection			R	

		UNIT	QUANTITY	RATE	AMOUNT
E18	GENERAL PREAMBLES The Document Preambles will be the "ASAQS Model Preambles for Trades – 2008" and is obtainable from the various Regional Office's of the Department of Public Works 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. F:..... V:..... T:.....	Item			
E19	TRADE NAMES Wherever a Trade Name for any product has been described in the Bills of Quantities the Tenderer'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 Tenders. F:..... V:..... T:.....	Item			
E20	EXISTING PREMISES OCCUPIED Refer to Scope of Works Part C3 of this Tender Document for information on the occupation of existing buildings. F:..... V:..... T:.....	Item			
E21	INACCURATE AND DEFECTIVE WORK EXECUTED UNDER PREVIOUS CONTRACT 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. 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. F:..... V:..... T:.....	Item			
E22	VIEWING THE SITE IN SECURITY AREAS If the site is situated in a security area and the Tenderder must arrange with the Authorities to obtain permission to enter the site for Tenderding purposes. F:..... V:..... T:.....	Item			
E23	COMMENCEMENT OF WORKS IN SECURITY AREAS 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. F:..... V:..... T:.....	Item			
E24	ENTRANCE PERMITS TO SECURITY AREAS 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. F:..... V:..... T:.....	Item			
	Carried forward to collection			R	

		UNIT	QUANTITY	RATE	AMOUNT
E25	SECURITY CHECK OF PERSONNEL The principal agent may require the contractor to have his personnel and workmen, or a certain number of them, security classified. 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. F:..... V:..... T:.....	Item			
E26	PROHIBITION ON TAKING PHOTOGRAPHS 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. 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. F:..... V:..... T:.....	Item			
E27	Management of Water 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.				
	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	
Carried forward to Final Summary		R	

Section No. 1
Preliminary & General
Summary



KWAZULU-NATAL PROVINCE

PUBLIC WORKS
REPUBLIC OF SOUTH AFRICA

**DEPARTMENT OF EDUCATION SANITATION PROGRAMME FOR SCHOOLS, UGU DISTRICT:
PHUMZA HIGH SCHOOL (SOUTHERN REGION)**

PART C2.3 BILL OF QUANTITIES

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	SECTION NO. 2				
	BILL NO. 1				
	ALTERATIONS				
	NOTE: 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 document, the Standard Conditions of Tender, Conditions of Contract, Model Preambles for Trade 2008, Specifications, Drawings and all other relevant documentation.				
	NOTE: Unless otherwise stated herein, all items in this Bill shall be deemed to fall into Work Group No. 102 for Calculation of Contract Price Adjustments on the Haylett Formula.				
	NOTE: All the work in this Section is attached to or inside existing buildings. Tenderers are to allow in their pricing of the following work for working in confined or restricted spacings with limited access. Care must be taken to avoid damaging existing structure and finishes. Any damage by the the Contractor is to be made good at his own cost to the satisfaction of the Principal Agent.				
	NOTE: Prices are to include for carting away from site all materials not specifically mentioned as being stored on site for re-use or handed over to the Director and all rubbish, debris, etc., arising from the alterations, etc., and for making good all work damaged or disturbed to the approval of the Director.				
	SUPPLEMENTARY PREAMBLES				
	<u>View site</u>				
	Before submitting his tender the contractor shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials contained in the buildings or portions of the buildings to be demolished. No claim for any variations of the contract sum in respect of the nature and extent of the work or of inferior or damaged materials will be entertained				
	Carried to Collection				R
	Alterations				
	Bill No. 1				
	Repairs And Renovations				

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Explosives				
	No explosives whatsoever may be used for demolition purposes unless otherwise stated				
	General				
	The contractor shall carry out the whole of the works with as little mess and noise as possible and with a minimum of disturbance to adjoining premises and their tenants. He shall provide proper protection and provide, erect and remove when directed, any temporary tarpaulins that may be necessary during the progress of the works, all to the satisfaction of the principal agent				
	Water supply pipes and other piping that may be encountered and found necessary to disconnect or cut, shall be effectually stopped off or grubbed up and removed, and any new connections that may be necessary shall be made with proper fittings, to the satisfaction of the principal agent				
	Doors, fanlights, fittings, frames, linings, etc which are to be reused shall be thoroughly overhauled before refixing including taking off, easing and rehanging, cramping up, re-wedging as required and making good cramps, dowels, etc, and easing, oiling, adjusting and repairing ironmongery as necessary, replacing any glass damaged in removal or subsequently and stopping up all nail and screw holes with tinted plastic wood to match timber, unless otherwise described. Re-painting or revarnishing is given separately				
	Prices for taking out of doors, windows, etc shall include for removal of all beads, architraves, ironmongery, etc				
	Prices for taking out and removing doors and frames shall include for removing door stops, cabin hooks, etc and making good floor and wall finishes to match existing				
	With regard to building up of openings in existing walls, cement screeds and pavings, granolithic, tops of walls, etc, shall be levelled and prepared for raising of brickwork				
	Making good of finishes shall include making good of the brick and concrete surfaces onto which the new finishes are applied, where necessary				
	Carried to Collection				R
	Alterations				
	Bill No. 1				
	Repairs And Renovations				

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	The contractor will be required to take all dimensions affecting the existing buildings on the site and he will be held solely responsible for the accuracy of all such dimensions where used in the manufacture of new items (doors, windows, fittings, etc)				
	<u>REMOVAL OF EXISTING DOORS, WINDOWS, ETC., FROM BRICKWORK</u>				
	Taking out and removing doors, windows, etc., including thresholds, sills, etc., from brickwork to remain (building up or altering openings elsewhere):				
1	Timber single door and frame not exceeding 2,5m ² .	No	2,00		
	<u>REMOVAL OF EXISTING ROOF COVERINGS</u>				
	<u>Taking down and removing pitched roof not exceeding degree complete with ridge and hip cappings, fittings flashings, etc.:</u>				
2	Profiled or corrugated metal roof sheeting from purlins to remain.	m2	76,00		
	<u>REMOVAL OF EXISTING ROOF COVERING SUNDRIES</u>				
	<u>Taking down and removing sundry roof items:</u>				
3	Fibre cement or timber fascias and barge boards.	m	68,00		
	<u>REMOVAL OF EXISTING PLASTERING</u>				
	<u>Hacking up / off and removing granolithic, screeds, plaster, etc., from concrete or brickwork and preparing surfaces for new finishes (elsewhere measured):</u>				
4	Internal plaster from walls and columns.	m2	88,00		
5	External plaster from walls, columns and beams.	m2	72,00		
6	25mm Screed from floors.	m2	36,00		
	Carried to Collection				R
	Alterations				
	Bill No. 1				
	Repairs And Renovations				

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>MAKING GOOD OF PLASTERING FINISHES, ETC.</u>				
	<u>Making good 20mm thick untinted granolithic:</u>				
1	Floors in small areas.	m2	20,00		
	<u>Making good internal cement plaster:</u>				
2	To walls.	m2	64,00		
	<u>REMOVAL OF EXISTING RAINWATER GOODS</u>				
	<u>Taking off and removing piping, gutters, etc., and making good wall finishes (making good paintwork elsewhere measured):</u>				
3	uPVC eaves gutters and brackets.	m	68,00		
	<u>PREPARATORY WORK TO EXISTING PLASTER SURFACES</u>				
	<u>Making good cement plaster:</u>				
4	Chase out plaster cracks to form recess 25mm wide and <u>20mm deep and fill with 1:4 cement mortar, including floating up smooth to match existing.</u>	m	32,00		
5	Chase out crack in top of surface bed to form groove 100mm <u>wide and 50mm deep and fill with 1:4 cement mortar, including finishing smooth with a steel trowel to match existing levels.</u>	m	24,00		
	<u>BUDGETARY ALLOWANCES</u>				
6	Allow an amount of R20 000.00 (Twenty Thousand Rands) for electrical work.	item	1,00	20 000,00	
7	Allow an amount of R30 000.00 (Thirty Thousand Rands) for rehabilitation to existing structures.	item	1,00	30 000,00	
8	Allow an amount of R10 000.00 (Fifty Thousand Rands) for general cleaning.	item	1,00	10 000,00	
	Carried to Collection				R
	Alterations				
	Bill No. 1				
	Repairs And Renovations				

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
SECTION NO. 2					
BILL NO. 2					
ROOF COVERINGS					
NOTE: 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 document, the Standard Conditions of Tender, Conditions of Contract, Model Preambles for Trade 2008, Specifications, Drawings and all other relevant documentation.					
NOTE: Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No 124 for Haylett Formula purposes.					
NOTE: All roof covering to be installed to manufacturers detail and applicable SANS codes. All roof sheeting shall be laid under a 5 year written guarantee for site workmanship and watertightness.					
PROFILED METAL SHEETING AND ACCESSORIES					
1	Roof covering with pitch not exceeding 25 degrees fixed to timber purlins at maximum 1200mm centres with a minimum of 50mm sheeting projection beyond purlins at eaves.	m2	76,00		
2	0,5mm Chromadek or other approved, Colomate finish galvanised metal IBR profile roof sheeting at 17.5 degrees fixed to intermediate timber purlins:	m	45,00		
	Sondor or other approved corrugated polycloser under ridge capping.				
3	Ditto, but at beamfilling.	m	8,00		
4	Ridge capping	m	20,00		
	0,5mm Chromadek or other approved, Colomate finished galvanised metal ridge cap with ridge closer to manufacturer's specification:				
Carried to Collection					R
Roof Coverings					
Bill No. 2					
Repairs And Renovations					

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1	Gable flashing.	m	8,00		
	ROOF VENTILATORS				
	Revolving extractor fans:				
2	Whirlybirds roof extractor fans including flashings.	No	6,00		
	ROOF AND WALL INSULATION				
	Sisalation® 420 Heavy industrial grade reinforced aluminium foil insulation double sided, heavy grammage reflective foil laminate incorporating eight layers of aluminium foil, reinforcing scrim, Kraft paper and polyethylene, tested for conformance with SANS 1381-4:2009, with a Class 1 fire rating in accordance with SANS 10177 - 3:2005 and BS 476 part 5, 6 and 7, drawn tautly across rafters and secured to each rafter with 38mm x 3,2mm x 1100mm hardboard counter batten strips positioned flush with the bottom edge of the material thus leaving 150mm overlap exposed at the top for the next layer and 150mm overlap thereafter on each 1250mm width roll;				
3	Insulation laid taut over rafters and under purlins (at approximately 1250mm centres) including galvanised steel straining wires.	m2	76,00		
	Carried to Collection				R
	Roof Coverings				
	Bill No. 2				
	Repairs And Renovations				

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>SECTION NO. 2</u>				
	<u>BILL NO. 3</u>				
	<u>CARPENTRY AND JOINERY</u>				
	NOTE: 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 document, the Standard Conditions of Tender, Conditions of Contract, Model Preambles for Trade 2008, Specifications, Drawings and all other relevant documentation. NOTE: Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No 126 for Haylett Formula purposes <u>SUPPLEMENTARY PREAMBLES</u> <u>Roof Trusses:</u> The following is applicable in respect of plate nailed roof trusses: Trusses are at maximum 1000mm centres. Roof covering is 0.58mm spelter galvanised steel on timber purlins. Ceilings are 12mm plasterboard and 6mm fibre-cement on 38 x 38mm bracker. The dimensions in the descriptions of the trusses are nominal and actual measurements are to be obtained from the Architect and/or on site before design or fabrication commences. <u>Joinery:</u> Descriptions for the following joinery fittings, etc., shall be deemed to include all ironmongery, metalwork, paint finishes, laminated finishes, etc., and for assembling and installing complete.				
	Carried to Collection				R
	Repairs And Renovations				
	Bill No. 3				
	Carpentry and joinery				

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
<u>EAVES, VERGES, ETC.</u>					
<u>Everite Nutec medium density plain fibre cement boards:</u>					
1	12 x 225mm Thick fascia (Product no. 041-202) with aluminium H-profile fascia joiners (Product no.685-195) including drilling for and fixing with hot dip galvanised drive screws and washers.		46,00		
2	80 x 200mm Moulded socketless barge board (Everite 521-731) with aluminium H-profile barge joiners.		18,00		
<u>DOORS, ETC.</u>					
<u>Wrot meranti doors:</u>					
3	40mm Solid timber door 813 x 2032mm high.		22,00		
Carried to Collection					R
Repairs And Renovations					
Bill No. 3					
Carpentry and joinery					

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Section No. 2				
	Bill No. 3		Page No.		
	Carpentry and joinery				
	COLLECTION				
	Total Brought Forward from Page No.		29,00		
			30,00		
	Carried Forward to Summary of Section No. 2				
	Repairs And Renovations				
	Bill No. 3				
	Carpentry and joinery				

R

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
SECTION NO. 2					
BILL NO. 4					
IRONMONGERY					
NOTE: 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 document, the Standard Conditions of Tender, Conditions of Contract, Model Preambles for Trade 2008, Specifications, Drawings and all other relevant documentation. NOTE: Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No 132 for Haylett Formula purposes.					
SUPPLEMENTARY PREAMBLES					
<u>Finishes to ironmongery:</u>					
Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list:					
CH - Chromium plated.					
AS - Anodised silver.					
SC - Satin chromium plated.					
<u>CATCHES, CABIN HOOKS, ETC.</u>					
<u>Dorma or other approved:</u>					
1	Catch hook	No	4,00		
<u>LOCKS</u>					
<u>Assa Abloy or other approved:</u>					
2	4 Lever upright lock with stainless steel forend.	No	2,00		
	"Union"				
1	47mm Padlock code:MG47	No	4,00		
Carried to Collection					R
Repairs And Renovations					
Bill No. 4					
Ironmongery					

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
<u>LETTERS, NAMEPLATES, ETC.</u>					
<u>7 YEAR Green Vinyl on white 0.6mm thick Cromodeck sheeting. 4 x 4mm diameter holes must be provided by the signage manufacturer. Install to exterior walls according to the elevation, with minimum 50mm long brass screws with washers and standard 10mm wall plug, into brick walls.</u>					
2	180 x 180mm Female Symbol	No	1,00		
3	180 x 180mm Disabled Symbol	No	1,00		
4	180 x 180mm Male Symbol	No	1,00		
<u>BATHROOM FITTINGS</u>					
<u>"Halcast"</u>					
5	Chromium plated toilet roll holder No.366	No	15,00		
<u>"Franke"</u>					
6	Stainless steel soap dispenser (Code: 359800)	No	4,00		
<u>SUNDRIES</u>					
<u>"Union" or other approved:</u>					
7	Cast zinc door stop (code: CZ8731SC) with satin chrome finish.	No	2,00		
Carried to Collection					R
Repairs And Renovations					
Bill No. 4					
Ironmongery					

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Section No. 2				
	Bill No. 4				
	Ironmongery				
	COLLECTION		Page No.		
	Total Brought Forward from Page No.		32,00		
			33,00		
	Carried Forward to Summary of Section No. 2				
	Repairs And Renovations				
	Bill No. 4				
	Ironmongery				

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>SECTION NO. 2</u>				
	<u>BILL NO. 5</u>				
	<u>METALWORK</u>				
	NOTE: 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 document, the Standard Conditions of Tender, Conditions of Contract, Model Preambles for Trade 2008, Specifications, Drawings and all other relevant documentation. NOTE: Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No.136 for Haylett formula purposes				
	<u>SUPPLEMENTARY PREAMBLES</u>				
	Descriptions: Descriptions of bolts shall be deemed to include nuts and washers. Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete. Metalwork described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described. Galvanising must comply to: SANS 121-ISO 1461 & SANS 32-EN 10240 and SANS 14713-ISO 14713 for Hot Dip galvanising on iron and steel articles.				
	<u>Door frames:</u>				
	Pressed steel door frames shall be supplied with one pair of 100mm galvanised steel loose pin hinges.				
	<u>Galvanised steel windows:</u>				
	Windows shall be provided with polished brass fittings. Only window openings shall be fitted with horizontal 8mm square burglar bars at maximum 150mm centres. Courses adjacent to window jambs are to have cores filled allowing fixing lugs to be built-in.				
	<u>Carried to Collection</u>				R
	Repairs And Renovations				
	Bill No. 5				
	Metalwork				

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1	On floors and landings.	m2	124,00		
2	Skirtings 60mm high.	m	44,00		
INTERNAL PLASTER					
Cement plaster on brickwork:					
3	On walls.	m2	820,00		
4	On narrow widths.	m2	2,00		
Carried to Collection Repairs And Renovations Bill No. 6 Plastering					R

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
<u>SECTION NO. 2</u>					
<u>BILL NO. 7</u>					
<u>PLUMBING AND DRAINAGE (PROVISIONAL)</u>					
NOTE: 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 document, the Standard Conditions of Tender, Conditions of Contract, Model Preambles for Trade 2008, Specifications, Drawings and all other relevant documentation. NOTE: Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No 148 for Haylett formula purposes.					
<u>PLUMBING</u>					
<u>RAINWATER GOODS</u>					
<u>"Marley Streamline" uPVC:</u>					
1	110mm diameter PVC gutters fixed by brackets laid to falls, fixed to fibre cement fascia (elsewhere measured).	m	70,00		
2	Extra over last for stopped ends.	No	8,00		
3	Ditto for outlet nozzle and joint to 75 x 100mm rainwater pipe.	No	8,00		
4	75mm diameter PVC pipe laid to fall into water tank as per architect's drawing.	m	12,00		
5	Extra over last for shoe.	No	2,00		
<u>"Marley Streamline" uPVC rainwater pipe:</u>					
6	75mm Diameter rainwater pipes.	m	60,00		
7	Extra over 75mm diameter rainwater pipes for shoe.	No	8,00		
<u>SANITARY FITTINGS</u>					
<u>"Kwikot"</u>					
1	CMP CB 102 curved back stainless steel urinal, approximately size 3700 x 1800mm wide, complete with built in flushing tank, 12mm adjustable dripcok, brass P-trap and hinged domical grating. (confirm spec).	No	2,00		
Carried to Collection					R
Repairs And Renovations					
Bill No. 7					
Plumbing and drainage (Provisional)					

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
SANITARY FITTINGS					
"Atlas Plastics"					
2	Pit VIP 200 pedestal c/w flap and incorporated seat Code 222 AP.	No	23,00		
3	Christy wash hand basin with splashback Code 383AP or other equal and approved polyethylene wash hand basin size 570 X 395mm, colour granite. Fixed to wall on cast iron brackets. Installation heights - 500mm off finished floor for grade "R" and 820mm for primary and secondary.	No	5,00		
"Kwikot"					
TRAPS, ETC.					
"Marley"					
4	50mm PVC traps as "Marley ETPA10".	No	5,00		
"Cobra Watertech"					
5	32mm Basin waste union including plug and chain as Cobra Watertech 303.	No	5,00		
TAPS, VALVES, ETC.					
"Cobra Watertech"					
6	15mm Pillar taps (111-15) fitted with restriction washer, one taphole stopper.	No	5,00		
7	15mm Brass fullway wheelhead gate valve as Cobra 1003/125.	No	5,00		
VENT PIPES, ETC					
<u>Black PVC UV stabilized vent pipes manufactured by SWAN plastics or other approved:</u>					
1	110mm Vent pipe, including 110mm DPI plastics PVC holderbats or other approved screwed to walls.	m	22,00		
2	110mm Sockets for 110mm PVC vent valve, to be cut off and used to fix 55% black shade cloth over vent pipe (elsewhere measured).	No	6,00		
Carried to Collection					R
Repairs And Renovations					
Bill No. 7					
Plumbing and drainage (Provisional)					

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
<u>Extra over black PVC UV stabilized vent pipe for fittings:</u>					
3	55% Black shade cloth to top of vent pipe (elsewhere measured).	No	6,00		
4	110mm DPI plastic PVC single socket, to be cast into slab for 110mm vent pipe (elsewhere measured).	No	6,00		
5	130mm Long 110mm pipe, to be PVC welded to socket to form hole through slab.	No	6,00		
Plumbing and drainage (Provisional)					
Bill No. 7					
Repairs And Renovations					
Carried to Collection					R
Plumbing and drainage (Provisional)					
Section No. 2					

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
SECTION NO. 2					
BILL NO. 7					
PLUMBING AND DRAINAGE (PROVISIONAL)					
COLLECTION					
			Page No		
Total Brought Forward from Page No.			41,00		
			42,00		
			43,00		
Carried Forward to Summary of Section No. 2					R
Plumbing and drainage (Provisional)					
Bill No. 7					
Repairs And Renovations					

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	SECTION NO. 2				
	BILL NO. 8				
	GLAZING				
	NOTE: 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 document, the Standard Conditions of Tender, Conditions of Contract, Model Preambles for Trade 2008, Specifications, Drawings and all other relevant documentation.				
	NOTE: Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No 150 for Haylett formula purposes				
	GLAZING				
	Glazing to steel fixed with putty:				
1	14mm Sandblasted glass in panes not exceeding 0,5m2.	m2	90,00		
	MIRRORS				
	6mm 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 or other approved:				
2	2 Mirror size 600 x 600mm high with four screws.	No	6,00		
	Glazing Bill No. 8 Repairs And Renovations				
	Carried Forward to Summary of Section No. 2				

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>SECTION NO. 2</u>				
	<u>BILL NO. 9</u>				
	<u>PAINTWORK</u>				
	NOTE: 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 document, the Standard Conditions of Tender, Conditions of Contract, Model Preambles for Trade 2008, Specifications, Drawings and all other relevant documentation.				
	NOTE: Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No 152 for Haylett formula purposes.				
	<u>SUPPLEMENTARY PREAMBLES</u>				
	Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Head: Public Works.				
	<u>Proprietary items or materials:</u>				
	<u>PAINTWORK TO PREVIOUSLY PAINTED WORK</u>				
	<u>ON PLASTER</u>				
1	On internal walls.	m2			
	<u>Prepare, prime with alkali-resistant primer and two finishing coats of acrylic emulsion paint :</u>				
2	On external walls.	m2			
	<u>ON WOOD</u>				
	<u>Wood Varnish</u>				
3	Paint Spec for External Doors.	m2			
	<u>ON FIBRE CEMENT</u>				
	<u>Prepare, prime with alkali-resistant primer and two finishing coats of acrylic emulsion paint :</u>				
1	Fascias and barge boards not exceeding 300mm girth	m	70,00		
	<u>Carried to Collection</u>				R
	Paintwork				
	Bill No. 9				
	Repairs And Renovations				

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Section No. 2					
Bill No. 9					
Paintwork					
COLLECTION			Page No		
Total Brought Forward from Page No.			46,00		
			47,00		
Carried Forward to Summary of Section No. 2					R
Paintwork					
Bill No. 9					
Repairs And Renovations					

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
SECTION SUMMARY - Repairs And Renovations					
Bill No			Page No		
1	Alterations		25,00		
2	Roof Coverings		28,00		
3	Carpentry and joinery		31,00		
4	Ironmongery		34,00		
5	Metalwork		37,00		
6	Plastering		40,00		
7	Plumbing and drainage (Provisional)		44,00		
8	Glazing		45,00		
9	Paintwork		48,00		
Carried to Summary				R	
Repairs And Renovations					

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>SECTION NO. 3</u>				
	<u>BILL NO. 1</u>				
	<u>EARTHWORKS (PROVISIONAL)</u>				
	NOTE: 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 document, the Standard Conditions of Tender, Conditions of Contract, Model Preambles for Trade 2008, Specifications, Drawings and all other relevant documentation.				
	NOTE: Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No.104 for Haylett formula purposes				
	<u>SUPPLEMENTARY PREAMBLES</u>				
	<u>User Note</u>				
	The following are typical examples of descriptions of "nature of ground".				
	<u>Carting away of excavated material</u>				
	Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site.				
	<u>Testing</u>				
	Prices for filling are to include for all necessary density tests in accordance with SANS 1200.				
	Note: Under no circumstances will the contractor be paid for overblast of excavations. Quantities are measured and paid net and the contractor is to make allowance for this in his rate if deemed necessary.				
	<u>SITE CLEARANCE, ETC.</u>				
	<u>Site clearance:</u>				
1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc.	m2	344,00		
	<u>Carried to Collection</u>				
	Earthworks (Provisional)				R
	Bill No. 1				
	New Blocks				

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>EXCAVATION, FILLING, ETC.</u>				
	<u>Open face excavation in earth over sloping site:</u>				
2	Open face excavation.	m3	28,00		
	<u>Excavate in earth not exceeding 2m deep:</u>				
3	Trenches.	m3	19,00		
4	Pit latrine.	m3	75,00		
5	Under floors.	m3	10,00		
	Excavation in earth not exceeding 2m deep below reduced level (reduced level not exceeding 2m below ground level):				
6	Trenches.	m3	8,00		
	<u>Back excavation of vertical sides of excavation in earth for working space including backfilling compacted to 98% Mod. AASHTO density:</u>				
7	Not exceeding 0.50m deep for placing and removing formwork to walls, etc., 200mm away from excavated face.	m2	27,00		
8	Exceeding 0.50m and not exceeding 1.50m deep for placing and removing formwork to walls, etc., 200mm away from excavated face.	m2	92,00		
9	Exceeding 1.50m and not exceeding 3.00m deep for placing and removing formwork to walls, etc., 200mm away from excavated face.	m2	13,00		
	<u>Extra over trench and hole excavations in earth for excavation in:</u>				
10	Soft rock material.	m3	10,00		
1	Hard rock material.	m3	5,00		
	<u>Extra over back excavation in earth for working space for excavation in soft rock material:</u>				
2	Not exceeding 0.50m deep for placing and removing formwork to walls, etc., 200mm away from excavated face.	m2	3,00		
	Carried to Collection				R
	Earthworks (Provisional)				
	Bill No. 1				
	New Blocks				

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
3	Exceeding 0.50m and not exceeding 1.50m deep for placing and removing formwork to walls, strip footing, etc., 200mm away from excavated face.	m2	9,00		
4	Exceeding 1.50m and not exceeding 3.00m deep for placing and removing formwork to walls, strip footing, etc., 200mm away from excavated face.	m2	1,00		
<u>Extra over back excavation in earth for working space for excavation in hard rock material:</u>					
5	Not exceeding 0.50m deep for placing and removing formwork to walls, etc., 200mm away from excavated face.	m2	1,00		
6	Exceeding 0.50m and not exceeding 1.50m deep for placing and removing formwork to walls, strip footing, etc., 200mm away from excavated face.	m2	5,00		
7	Exceeding 1.50m and not exceeding 3.00m deep for placing and removing formwork to walls, strip footing, etc., 200mm away from excavated face.	m2	1,00		
<u>Extra over all excavations for carting away:</u>					
8	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the Contractor.	m3	103,00		
<u>Risk of collapse of excavations:</u>					
9	Sides of trench excavations not exceeding 1,5m deep.	m2	74,00		
10	Sides of trench excavations exceeding 1,5m and not exceeding 3m deep.	m2	67,00		
<u>Keeping excavations free of water:</u>					
11	Keep excavations free of water (other than subterranean water).	item	1,00		
<u>Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 98% Mod AASHTO density:</u>					
1	Backfilling to trenches, etc.	m3	8,00		
2	Over site to form platforms.	m3	88,00		
Carried to Collection					R
Earthworks (Provisional)					
Bill No. 1					
New Blocks					

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>Earth filling obtained from the excavations and/or prescribed stock piles on site stabilised with 8% cement per volume, compacted to 98% Mod AASHTO density:</u>				
3	Backfilling to trenches, etc.	m3	33,00		
	<u>G5 Earth filling supplied by the Contractor and brought to site and compacted to 98% Mod AASHTO density:</u>				
4	Under floors, steps, pavings, etc.	m3	17,00		
	<u>Compaction of surfaces:</u>				
5	Compaction of ground surface under floors, etc., including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% Mod AASHTO density.	m2	76,00		
	<u>SOIL POISONING</u>				
	<u>Soil Insecticide as per clause 2.13 of specification OOG001E including 50mm sand over as per Architect's schedule 60491906 01 90 600 P 00:</u>				
6	Under floors, etc., including forming and poisoning shallow furrows against foundation walls, etc., filling in furrows and ramming.	m2	111,00		
	<u>Carried to Collection</u>				R
Earthworks (Provisional)					
Bill No. 1					
New Blocks					

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>SECTION NO. 3</u>				
	<u>BILL NO. 2</u>				
	<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>				
	NOTE: 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 document, the Standard Conditions of Tender, Conditions of Contract, Model Preambles for Trade 2008, Specifications, Drawings and all other relevant documentation.				
	NOTE: Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No.110 for Haylett formula purposes.				
	<u>SUPPLEMENTARY PREAMBLES</u>				
	<u>Cost of tests</u>				
	All concrete is to be tested in accordance with SANS 2001-CC1 and 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.				
	<u>Formwork</u>				
	Descriptions of formwork shall be deemed to include use and waste only (except where described as "left in" or permanent), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use				
	<u>Carried to Collection</u>				R
	Concrete, Formwork and Reinforcement				
	Bill No. 2				
	New Blocks				

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Formwork to sides of bases, pile caps, ground beams, etc will only be measured where it is prescribed by the engineer for design reasons. Formwork necessitated by irregularity or collapse of excavated faces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavations, provision for which is made in "Earthworks"				
	UNREINFORCED CONCRETE				
1	1 Blinding.	m3	5,00		
	15MPa/19mm concrete:				
	VIBRATED REINFORCED CONCRETE				
2	2 Strip footings.	m3	11,00		
	25MPa/19mm concrete:				
3	3 Pit surface bed.	m3	3,00		
4	4 Concrete aprons, channels, etc., cast in panels against excavated surfaces including thickening.	m3	6,00		
	30MPa/19mm concrete:				
5	5 Ramp	m3	0,30		
6	6 Pit slab.	m3	4,00		
7	7 Surface bed on waterproofing.	m3	6,00		
	TEST BLOCKS				
8	8 Allow for all necessary concrete test cubes size 150 x 150 x 150mm cast from batches of concrete set of three, made, stored, cured and tested in accordance with SANS 2001-CC1, including use of approved cube moulds, transporting to an approved testing laboratory for testing, paying all charges and submitting reports to the Structural Engineer.	Sets	20,00		
	Finishing top surfaces of concrete smooth with a wood float:				
1	1 Surface beds, slabs, etc.	m2	91,00		
2	2 Thresholds.	m2	0,20		
	CONCRETE SUNDRIES				
	Carried to Collection				R
	Concrete, Formwork and Reinforcement				
	Bill No. 2				
	New Blocks				

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
FORMWORK					
NOTE: Unless otherwise stated herein, all items in this section shall be deemed to fall into Work Group No. 111 for Haylett formula purposes.					
ROUGH FORMWORK (DEGREE OF ACCURACY II)					
Rough formwork to sides and soffits:					
3	Strip footings (Provisional).	m2	32,00		
4	Edge not exceeding 300mm high.	m	88,00		
SMOOTH FORMWORK (DEGREE OF ACCURACY I)					
Smooth formwork to sides:					
5	Edges, risers, ends and reveals not exceeding 300mm high or wide.	m	27,00		
PERMANENT FORMWORK					
Rough formwork to soffits:					
6	Soffit of slab not exceeding 200mm thick propped exceeding 1.5m and not exceeding 3.5m.	m2	20,00		
MOVEMENT JOINTS, ETC.					
Saw cut joints:					
7	3mm Wide x 40mm deep saw cut joints in top of concrete.	m	6,00		
Expansion joints:					
8	10mm Joints not exceeding 300mm high or wide	m	20,00		
9	20mm Closed cell polythylene joint filler (Jointex or other approved)	m	20,00		
10	6mm Closed cell polythylene joint filler (Jointex or other approved)	m	2,00		
Carried to Collection					R
Concrete, Formwork and Reinforcement					
Bill No. 2					
New Blocks					

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
REINFORCEMENT (PROVISIONAL)					
NOTE: Unless otherwise stated herein, all items in this section shall be deemed to fall into Work Group No. 114 for Haylett formula purposes.					
High tensile and mild steel reinforcement to structural concrete work:					
3	3 Various diameter reinforcing bars.	t	1,529		
Fabric reinforcement:					
4	Type 193 fabric reinforcement in surface beds, rib and block slabs, etc.	m2	40,00		
5	Type 617 fabric reinforcement in surface beds, rib and block slabs, etc.	m2	57,00		
Carried to Collection					R
Concrete, Formwork and Reinforcement					
Bill No. 2					
New Blocks					

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
SECTION NO.3					
BILL NO. 3					
PRECAST CONCRETE					
NOTE: 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 document, the Standard Conditions of Tender, Conditions of Contract, Model Preambles for Trade 2008, Specifications, Drawings and all other relevant documentation.					
NOTE: Unless otherwise stated herein, all items in this Bill shall be deemed to fall into Work Group No.112 for Haylett Formula purposes.					
All precast/prestressed concrete shall be in accordance with SANS 2001-CC1.					
PRECAST CONCRETE.					
Precast concrete slab for toilet pedestal:					
1	470 x 600 x 150mm Thick reinforced slab including 250mm diameter opening.	No	5,00		
Precast concrete slab for toilet cover slab:					
2	2030 x 375 x 100mm Thick concrete slab with 20 x 20mm chamfer around top edge, including ref 193 mesh, two 10mm diameter galvanised continuous threaded lifting bars with bolt and nut to end of bars and with 50 x 50 x 5mm thick galvanised plate with 12mm diameter hole drilled in the centre for 10mm handle bar to slide through and secured through the slab using 15mm pipe sleeve, including all necessary formwork.	No	2,00		
Carried to Collection					R
Precast Concrete					
Bill No. 3					
New Blocks					

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1	1115 x 375 x 100mm Thick concrete slab with 20 x 20mm chamfer around top edge, including ref 193 mesh, two 10mm diameter galvanised continuous threaded lifting bars with bolt and nut to end of bars and with 50 x 50 x 5mm thick galvanised plate with 12mm diameter hole drilled in the centre for 10mm handle bar to slide through and secured through the slab using 15mm pipe sleeve, including all necessary formwork.	No	8,00		
2	1310 x 375 x 100mm Thick concrete slab with 20 x 20mm chamfer around top edge, including ref 193 mesh, two 10mm diameter galvanised continuous threaded lifting bars with bolt and nut to end of bars and with 50 x 50 x 5mm thick galvanised plate with 12mm diameter hole drilled in the centre for 10mm handle bar to slide through and secured through the slab using 15mm pipe sleeve, including all necessary formwork.	No	2,00		
<u>Prefabricated pre-stressed concrete ribs:</u>					
3	220 x 100mm Pre-stressed concrete rib in lengths not exceeding 5m.	m	3,00		
4	4 Ditto, but in lengths exceeding 5m and not exceeding 7,5m.	m	5,00		
Carried to Collection					R
Carried to Collection					R
Precast Concrete Bill No. 3 New Blocks					

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Section No. 3				
	Bill No. 3				
	Precast Concrete				
	COLLECTION		Page No		
	Total Brought Forward from Page No.		60,00		
			61,00		
	Carried Forward to Summary of Section No. 3				
	Precast Concrete				
	Bill No. 3				
	New Blocks				

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	SECTION NO. 3				
	BILL NO. 4				
	MASONRY				
	NOTE: 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 document, the Standard Conditions of Tender, Conditions of Contract, Model Preambles for Trade 2008, Specifications, Drawings and all other relevant documentation.				
	NOTE: Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No.116 for Haylett Formula purposes.				
	SUPPLEMENTARY PREAMBLES				
	Bagged and sealed walls				
	Walls in two skins described as "bagged and sealed" shall be deemed to include having the outer face of the inner skin bagged with 1:6 cement and sand mixture and sealed with two coats bitumen emulsion waterproofing coating.				
	Face bricks				
	Bricks shall be ordered timeously to obtain uniformity in size and colour.				
	Pointing				
	Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc.				
	All masonry shall be in accordance with SANS 2001-CM1.				
	FOUNDATIONS (PROVISIONAL)				
	Corobrik NFX bricks (14MPa nominal compressive strength) in class II mortar:				
1	Brickwork in piers.	m3	1,00		
2	One-brick walls.	m2	81,00		
	Carried to Collection				
	Masonry				
	Bill No. 4				
	New Blocks				

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
SUPERSTRUCTURE					
<u>Corobrik NFP bricks (14MPa nominal compressive strength) in class II mortar:</u>					
3	Brickwork in piers.	m3	1,00		
4	One-brick walls.	m2	118,00		
<u>Corobrik NFP bricks (7MPa nominal compressive strength) in class II mortar:</u>					
5	Half-brick walls.	m2	26,00		
6	Half-brick walls in beamfilling.	m2	4,00		
BRICKWORK SUNDRIES					
7	Fill head of pressed steel door frame 230mm wide with 3:1 cement mortar and level off flush with top edge of frame.	m	1,00		
8	230mm Wide wall to gate frame to be filled with 15Mpa concrete and level off flush with top edge of frame.	m	16,00		
<u>Bagging in 1:3 cement and sand mixture:</u>					
9	On outer face of inner skin of brick walls.	m2	116,00		
<u>Joint forming material in movement joints:</u>					
10	10mm Closed cell polythylene joint filler between brickwork.	m	10,00		
<u>Brickwork reinforcement:</u>					
11	115mm Wide reinforcement built in horizontally.	m	89,00		
12	150mm Wide reinforcement built in horizontally.	m	590,00		
<u>Turning pieces:</u>					
1	230mm Wide turning piece to lintels, etc.	m	7,00		
<u>Galvanised hoop iron ties, etc:</u>					
2	30mm Wide x 1,2mm thick galvanised hoop iron 600mm long in brick work every 5th course.	No	13,00		
Carried to Collection					R
Masonry Bill No. 4 New Blocks					

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>Air bricks:</u>				
3	229 x 152mm Terra-cotta vermin proofed air bricks built into brick wall.	No	5,00		
	<u>FACE BRICKWORK</u>				
	<u>Corobrik® (Lawley-Gauteng) 20-30 MPa Montana Travertine FSB clay facebrick, bedded and jointed in Class II mortar and pointed with flush vertical and flush horizontal joints and perpends, suitable for exposure zones 1-2:</u>				
4	Extra over NFX brickwork for face brickwork in foundations (Provisional).	m2	11,00		
5	Extra over NFP brickwork for face brickwork.	m2	111,00		
6	Extra over NFP brickwork for face brickwork in beamfilling.	m2	4,00		
7	Extra over NFP brickwork for face brickwork in piers.	m2	4,00		
8	Labour and material in brick-on-edge cill 170mm wide sloping and slightly projecting on and including cement mortar bed and pointing on top and 110mm high face.	m	6,00		
9	Labour and material in brick-on-edge lintel course 115mm wide and 115mm high and pointing on face and 115mm wide projecting soffit.	m	35,00		
	<u>FIBRE CEMENT WINDOW CILLS</u>				
	<u>'Everite Nutec' fibre cement cills or other approved complete with fixing lugs and self tapping screws:</u>				
10	150mm Wide x 12mm thick internal cill (Product No. 031-509).	m	6,00		
	Carried to Collection				R
	Masonry Bill No. 4 New Blocks				

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	SECTION NO.3				
	BILL NO. 5				
	WATERPROOFING				
	NOTE: 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 document, the Standard Conditions of Tender, Conditions of Contract, Model Preambles for Trade 2008, Specifications, Drawings and all other relevant documentation.				
	NOTE: Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No. 120 for Haylett formula purposes.				
	DAMP PROOFING OF WALLS AND FLOORS				
	<u>One layer of 375 micron "Consol Plastic Brikgrip DPC" embossed damp proof course:</u>				
1	In walls.	m2	9,00		
	<u>Two layers of 375 micron "Consol Plastic Brikgrip DPC" embossed damp proof course:</u>				
2	Under slab where slab sits on brickwork.	m	32,00		
	<u>Two coats of "Brixeal" or other approved bitumen waterproofing compound:</u>				
3	On outer face of inner skin of brick walls.	m2	116,00		
	<u>One layer of 250 micron "Consol Plastics Gunplas USB Green" waterproof sheeting sealed at laps with "Gunplas Pressure sensitive Tape":</u>				
4	Under surface beds, walkways, etc.	m2	111,00		
	Carried to Collection				R
	Waterproofing				
	Bill No. 5				
	New Blocks				

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
JOINT SEALANTS					
<u>Polysulphide sealant to manufacturer's specification (with suitable bond breaker chord):</u>					
1	Seal joint with approved joint sealant with backing cord bond breaker strip.	m	6,00		
<u>Polyurethane sealant to manufacturer's specification:</u>					
2	Seal joint with approved joint sealant with backing strip and primer.	m	10,00		
<u>Two part polyurethane sealant to manufacturer's specification:</u>					
3	20 x 15mm Approved joint sealant including rounding aris to 3mm radius.	m	20,00		
<u>Thioflex polyurethane 600 sealant to manufacturer's specification:</u>					
4	6 x 6mm Approved joint sealant.	m	2,00		
<u>Approved silicone pointing:</u>					
5	Between steel door frames and walls.	m	20,00		
Carried to Collection					R
Waterproofing					
Bill No. 5					
New Blocks					

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
SECTION NO. 3					
BILL NO. 6					
ROOF COVERINGS					
NOTE: 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 document, the Standard Conditions of Tender, Conditions of Contract, Model Preambles for Trade 2008, Specifications, Drawings and all other relevant documentation.					
NOTE: Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No.124 for Haylett Formula purposes.					
NOTE: All roof covering to be installed to manufacturers detail and applicable SANS codes. All roof sheeting shall be laid under a 5 year written guarantee for site workmanship and watertightness.					
PROFILED METAL SHEETING AND ACCESSORIES					
0,5mm Chromadek or other approved, Colomate finish galvanised metal IBR profile roof sheeting at 17.5 degrees fixed to intermediate timber purlins:					
1	Roof covering with pitch not exceeding 25 degrees fixed to timber purlins at maximum 1200mm centres with a minimum of 50mm sheeting projection beyond purlins at eaves.	m2	71,00		
2	Extra over IBR metal roof covering for OPAL Glass fibre reinforced polyster (weight 2,4kg/m ²) roof sheeting fixed with 65 mm galvanised Tek screws and newway seals in alternate sheets between galvanised metal sheet.	m2	28,00		
3	Sondor or other approved corrugated polycloser under ridge capping.	m	42,00		
Carried to Collection					R
Roof Coverings Bill No. 6 New Blocks					

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1	Sondor or other approved corrugated polycloser at beamfilling. <u>0,5mm Chromadek or other approved, Colomate finished galvanised metal ridge cap with ridge closer to manufacturer's specification:</u>	m	17,00		
2	Ridge capping ROOF VENTILATORS <u>Revolving extractor fans:</u>	m	12,00		
3	Whirlybirds roof extractor fans including flashings. ROOF AND WALL INSULATION <u>Sisalation® 420 Heavy industrial grade reinforced aluminium foil insulation double sided, heavy grammage reflective foil laminate incorporating eight layers of aluminium foil, reinforcing scrim, Kraft paper and polyethylene, tested for conformance with SANS 1381-4:2009, with a Class 1 fire rating in accordance with SANS 10177 - 3:2005 and BS 476 part 5, 6 and 7, drawn tautly across rafters and secured to each rafter with 38mm x 3,2mm x 1100mm hardboard counter batten strips positioned flush with the bottom edge of the material thus leaving 150mm overlap exposed at the top for the next layer and 150mm overlap thereafter on each 1250mm width roll:</u>	m	4,00		
4	Insulation laid taut over rafters and under purlins (at approximately 1250mm centres) including galvanised steel straining wires.	m2	61,00		
Carried to Collection					R
Roof Coverings Bill No. 6 New Blocks					

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
<u>ROOFS ETC</u>					
<u>Sawn softwood:</u>					
1	38 x 114mm Wall plate.	m	23,00		
2	50 x 76mm Gable trimmer.	m	22,00		
<u>Roof trusses:</u>					
3	Roof construction to double pitched roof with gable ends with total girth 8.34m x 5m (measured on plan) with 600mm wide overhang on the eaves side and 400mm overhang on the gable side all in accordance to the Architects Specifications all including trusses, permanent bracing, gangboarding etc. (4G)	No	1,00		
4	Roof construction to double pitched roof with gable ends with total girth 5.00m x 3.34m (measured on plan) with 600mm wide overhang on the eaves side and 400mm overhang on the gable side all in accordance to the Architects Specifications all including trusses, permanent bracing, gangboarding etc. (1F1D)	No	1,00		
<u>Sundries:</u>					
5	Two coats of 'ABE Provonite" to wrot timbers at eaves.	m2	2,00		
<u>EAVES, VERGES, ETC.</u>					
<u>Everite Nutec medium density plain fibre cement boards:</u>					
6	12 x 225mm Thick fascia (Product no. 041-202) with aluminium H-profile fascia joiners (Product no.685-195) including drilling for and fixing with hot dip galvanised drive screws and washers.	m	25,00		
7	80 x 200mm Moulded socketless barge board (Everite 521-731) with aluminium H-profile barge joiners.	m	22,00		
<u>DOORS, ETC.</u>					
<u>TDM hardwood BB door hung to steel frame:</u>					
8	40mm Thick door, size 813 x 2032mm high.	No	1,00		
Carried to Collection					R
Carpentry and Joinery Bill No. 7 New Blocks					

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	SECTION NO. 3				
	BILL NO. 8				
	CEILINGS				
	NOTE: 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 document, the Standard Conditions of Tender, Conditions of Contract, Model Preambles for Trade 2008, Specifications, Drawings and all other relevant documentation.				
	NOTE: Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No.129 for Haylett formula purposes				
	NAILED UP CEILINGS				
	<u>12mm "Rhino board" gypsum plasterboard ceilings. All joints to be taped, skimmed and rubbed to a smooth finish. Ceiling to be painted with one coat of "Gypseal", all in accordance with the manufacturer's recommendations:</u>				
1	Ceilings including 38 x 38mm sawn softwood branderling at 400mm centres in one direction.	m2	39,00		
2	Extra over plasterboard ceiling for trap door size 600 x 600mm formed of 38 x 50mm sawn softwood framing covered with ceiling boarding and set in and including 38 x 76mm sawn softwood kerb including trimmers and 10 x 40mm Meranti cover strip all round.	No	2,00		
	<u>Rhino gypsum plasterboard cornices:</u>				
3	75mm Gypsum coved cornice plugged.	m	36,00		
	Carried Forward to Summary of Section No. 3				R
	Ceilings				
	Bill No. 8				
	New Blocks				

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>SECTION NO. 3</u>				
	<u>BILL NO. 9</u>				
	<u>IRONMONGERY</u>				
	NOTE: 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 document, the Standard Conditions of Tender, Conditions of Contract, Model Preambles for Trade 2008, Specifications, Drawings and all other relevant documentation.				
	NOTE: Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No 132 for Haylett Formula purposes.				
	<u>SUPPLEMENTARY PREAMBLES</u>				
	<u>Finishes to ironmongery:</u>				
	<u>Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list:</u>				
	CH - Chromium plated.				
	AS - Anodised silver.				
	SC - Satin chromium plated.				
	<u>HINGES, BOLTS, ETC</u>				
	<u>Union</u>				
1	100 x 75mm Medium duty brass butt hinge.	Pairs	6,00		
2	50 x 25mm LD polished barrel bolt or similar approved.	No	6,00		
	<u>CATCHES, CABIN HOOKS, ETC.</u>				
	<u>Stainless steel:</u>				
1	150mm Cabin hook solid chrome, Code 276SC10150BP.	No	3,00		
	<u>LOCKS</u>				
	<u>Dorma</u>				
2	D036S Europrofile cylinder sash lock ss.	No	1,00		
	<u>Carried to Collection</u>				R
	Ironmongery				
	Bill No. 9				
	New Blocks				

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>Union</u>				
3	47mm Padlock code: MG47	No	3,00		
	<u>HANDLES</u>				
	<u>Dorma</u>				
4	CB30 Lever handle on rectangular Euro cylinder back plate 61cm centres.	No	1,00		
	<u>LETTERS, NAMEPLATES, ETC.</u>				
	7 YEAR Green Vinyl on white 0,6mm thick Cromodeck sheeting. 4 x 4mm diameter holes must be provided by the signage manufacturer. Install to exterior walls according to the elevation, with minimum 50mm long brass screws with washers and standard 10mm wall plug, into brick walls.				
5	180 x 180mm Female Symbol	No	2,00		
6	180 x 180mm Disabled Symbol	No	1,00		
	<u>BATHROOM FITTINGS</u>				
	<u>Franke</u>				
7	Stainless steel toilet roll holder plugged and screwed to wall with stainless steel screws Franke BS677.	No	5,00		
	<u>Buchel</u>				
8	B-2111 Surface mounted soap dispenser, vertical tank is satin-finish stainless steel.	No	5,00		
	Carried to Collection				R
	Ironmongery Bill No. 9 New Blocks				

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Section No. 3					
Bill No. 9					
Ironmongery					
COLLECTION			Page No		
Total Brought Forward from Page No.			78,00		
			79,00		
Carried Forward to Summary of Section No. 3					R
Ironmongery					
Bill No. 9					
New Blocks					

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>SECTION NO. 3</u>				
	<u>BILL NO. 10</u>				
	<u>METALWORK</u>				
	NOTE: 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 document, the Standard Conditions of Tender, Conditions of Contract, Model Preambles for Trade 2008, Specifications, Drawings and all other relevant documentation.				
	NOTE: Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No.136 for Haylett formula purposes				
	<u>SUPPLEMENTARY PREAMBLES</u>				
	Descriptions:				
	Descriptions of bolts shall be deemed to include nuts and washers.				
	Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete.				
	Metalwork described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described.				
	Galvanising must comply to: SANS 121-ISO 1461 & SANS 32-EN 10240 and SANS 14713-ISO 14713 for Hot Dip galvanising on iron and steel articles.				
	<u>Door frames:</u>				
	Pressed steel door frames shall be supplied with one pair of 100mm galvanised steel loose pin hinges.				
	<u>Galvanised steel windows:</u>				
	Windows shall be provided with polished brass fittings.				
	Only window openings shall be fitted with horizontal 8mm square burglar bars at maximum 150mm centres.				
	Courses adjacent to window jambs are to have cores filled allowing fixing lugs to be built-in.				
	<u>Carried to Collection</u>				R
	Metalwork				
	Bill No. 10				
	New Blocks				

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
<u>GALVANISED WELDED GATES, ETC.</u>					
<u>Galvanised mild steel gate and frame:</u>					
1	850 x 2250mm Hot dip galvanized steel security gate to be made up with 20mm steel tubing and to be fixed to the wall with 2 x 8mm raw bolts per hinge to typical gate detail.	No	3,00		
<u>GALVANISED PRESSED STEEL DOOR FRAMES</u>					
1,2mm Rebated frames suitable for one brick walls:					
2	Frame for door 813 x 2032mm high.	No	1,00		
<u>GALVANISED STEEL WINDOWS</u>					
<u>Galvanised steel windows with 8mm burglar bars to opening sashes:</u>					
3	Window type 4-BH (W01), 889 x 457mm high including approved standard brass fittings complete with window.	No	4,00		
4	Window type NE1 (W02), 533 x 654mm high including approved standard brass fittings complete with window.	No	5,00		
Carried to Collection					R
Metalwork					
Bill No. 10					
New Blocks					

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	BILL NO. 11				
	PLASTERING				
	NOTE: 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 document, the Standard Conditions of Tender, Conditions of Contract, Model Preambles for Trade 2008, Specifications, Drawings and all other relevant documentation. NOTE: Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No 142 for Haylett formula purposes. SUPPLEMENTARY PREAMBLES Testing of sand/cement screeds: Testing to be done by an accredited independent testing specialist, or by the provision of independently certified test date to demonstrate compliance with the Specification as set out below. Testing to include both light tap and heavy weight impact using a 4kg mass in compliance with the BRE screed tester requirements. Maximum indentation not to exceed 3mm. Alternative substrate testing methods may be put forward for consideration and acceptance by the Principale Agent. All test results to be provided in Microsoft Excel format with unique numbers and the positions of tests referenced and indicated on a floor plan (floor plan to be provided by Principal Agent.). In all instances of results failing to comply as determined by the Principal Agent, additional tests to prove final compliance will be for the account of the contractor. EPOXY 2-Part Epoxy primer Sikafloor 161 with grey colour 2-Part Epoxy roller and seal coat. Sikafloor 264 over as per manufacturer's specification.				
1	On floors and landings.	m ²	39,00		
	Carried to Collection			R	
	New Blocks Bill No. 11 Plastering				

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>SECTION NO. 3</u>				
	<u>BILL NO. 12</u>				
	<u>ELECTRICAL RETICULATION</u>				
	NOTE: 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 document, the Standard Conditions of Tender, Conditions of Contract, Model Preambles for Trade 2008, Specifications, Drawings and all other relevant documentation. NOTE: Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No 162 for Haylett formula purposes				
	<u>PRELIMINARIES AND GENERAL ITEMS</u>				
	<u>NOTE: All Preliminary and General requirements and costs related thereto must be allowed for in Bill No.1 Preliminaries.</u>				
	<u>SUPPLEMENTARY PREAMBLES</u>				
	<u>Distribution boards etc</u>				
	Rates for distribution boards etc are to include for busbars, jumpers, neutral bars, internal wiring and connections, circuit identification markers, control gear labels, circuit legend cards and working drawings				
	<u>Switches, socket outlets, etc</u>				
	Rates for switches, socket outlets, etc are to include for screwing to outlet boxes, connecting up and cover plates				
	<u>Light fittings</u>				
	Rates for light fittings are to include for hanging, fixing and connecting and for lamp holders and fluorescent tubes and lamps of the type and wattage described				
	Carried to Collection			R	
	New Blocks				
	Bill No. 12				
	Electrical Installation				

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
<u>PRELIMINARIES AND GENERAL ITEMS</u>					
NOTE: All Preliminary and General requirements and costs related thereto must be allowed for in Section 1 Bill No.1 Preliminaries or included in this bill.					
<u>Scaffolding:</u>					
1	Allow for scaffolding.	Item			
2	Allow for preliminaries and general items.	Item			
<u>BUDGETARY ALLOWANCES</u>					
3	Allow an amount of R60 000.00 (Sixty Thousand Rands) for electrical installation and fittings	Item	1,00	60 000,00	
Carried to Collection				R	
New Blocks					
Bill No. 12					
Electrical Installation					

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
SECTION No. 3					
BILL NO. 13					
PLUMBING AND DRAINAGE (PROVISIONAL)					
NOTE: 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 document, the Standard Conditions of Tender, Conditions of Contract, Model Preambles for Trade 2008, Specifications, Drawings and all other relevant documentation. NOTE: Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No.148 for Haylett formula purposes.					
PLUMBING					
RAINWATER GOODS					
"Marley Streamline" uPVC:					
1	110mm Diameter PVC gutters fixed by brackets laid to falls, fixed to fibre cement fascia (elsewhere measured).	m	25,00		
2	Extra over last for stopped ends.	No	8,00		
3	Ditto for outlet nozzle and joint to 75 x 100mm rainwater pipe.	No	4,00		
4	75mm diameter PVC pipe laid to fall into water tank as per architect's drawing.	m	19,00		
5	Extra over last for shoe	No	4,00		
6	Extra over last for bends.	No	4,00		
Carried to Collection				R	
New Blocks Bill No. 13 Plumbing and Drainage (Provisional)					

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
<u>"Marley Streamline" uPVC rainwater pipe:</u>					
1	75mm Diameter rainwater pipes.	m	11,00		
2	Extra over 75mm diameter rainwater pipe for offset bend.	No	4,00		
3	Extra over 75mm diameter rainwater pipes for shoe.	No	3,00		
<u>SANITARY FITTINGS</u>					
<u>"Atlas Plastics"</u>					
4	Pit VIP 200 pedestal c/w flap and incorporated seet Code 222 AP.	No	5,00		
5	Christy wash hand basin with splashback Code 383AP or other equal and approved polyethylene wash hand basin size 570 X 395mm, colour granite. Fixed to wall on cast iron brackets. Installation heights - 500mm off finished floor for grade "R" and 820mm for primary and secondary.	No	5,00		
<u>"Kwikot"</u>					
<u>TRAPS, ETC.</u>					
<u>"Marley"</u>					
6	50mm PVC traps as "Marley ETPA10".	No	5,00		
<u>"Cobra Watertech"</u>					
7	32mm Basin waste union including plug and chain as Cobra Watertech 303.	No	5,00		
<u>TAPS, VALVES, ETC.</u>					
<u>"Cobra Watertech"</u>					
8	15mm Pillar taps (111-15) fitted with restriction washer, one taphole stopper.	No	5,00		
9	15mm Brass fullway wheelhead gate valve as Cobra 1003/125.	No	5,00		
<u>VENT PIPES, ETC</u>					
Carried to Collection					R
New Blocks					
Bill No. 13					
Plumbing and Drainage (Provisional)					

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
<u>Black PVC UV stabilized vent pipes manufactured by SWAN plastics or other approved:</u>					
1	110mm Vent pipe, including 110mm DPI plastics PVC holderbats or other approved screwed to walls.	m	22,00		
<u>Extra over black PVC UV stabilized vent pipe for fittings:</u>					
2	110mm Sockets for 110mm PVC vent valve, to be cut off and used to fix 55% black shade cloth over vent pipe (elsewhere measured).	No	6,00		
3	55% Black shade cloth to top of vent pipe (elsewhere measured).	No	6,00		
4	110mm DPI plastic PVC single socket, to be cast into slab for 110mm vent pipe (elsewhere measured).	No	6,00		
5	130mm Long 110mm pipe, to be PVC welded to socket to form hole through slab.	No	6,00		
<u>Sundries:</u>					
6	Provide all necessary apparatus, water, etc., for and test the whole of the Sanitary Plumbing to the satisfaction of the Architect and Local Authority and replace any defective work free of charge and leave perfect.	Item			
<u>SANITARY PLUMBING</u>					
NOTE: Unless otherwise stated herein, all items in this section shall be deemed to fall into Work Group No. 146 for Haylett formula purposes.					
<u>Rigid unplasticized PVC soil and vent pipes and fittings:</u>					
7	50mm Pipe	m	25,00		
<u>Extra over uPVC pipes for:</u>					
8	50mm Bend.	No	10,00		
9	50mm Junction.	No	5,00		
10	50mm Inspection bend.	No	5,00		
<u>WATER SUPPLIES</u>					
Carried to Collection				R	
New Blocks Bill No. 13 Plumbing and Drainage (Provisional)					

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Copper piping to SABS 460 Class 2 hard drawn with gunmetal or capillary fittings:					
1	15mm Pipe fixed to walls, ceilings, roofs, floors, slabs etc. laid in filling or in and including chase in brickwork or concrete.	m	2,00		
2	22mm Pipe fixed to walls, ceilings, roofs, floors, slabs etc. laid in filling or in and including chase in brickwork or concrete.	m	10,00		
3	Extra over copper pipe for 15mm fittings. No 10 40.00 400.00	No	10,00		
TANKS, ETC.					
Polyethylene water tanks to ablutions:					
4	2500 litre Low profile JoJo water tank, or other approved, with 75mm diameter inlet at top for downpipe from gutter to be inserted and 50mm overflow outlet and 25mm outlet at base of tank including access hatch on top fitted with vermin-proof vent, and including 4mm galvanised wire looped double to top of tank and anchored to top of slab as per detail with Y10 rod bending code 83 cast into slab at all four corners, including 15mm standard garden hose to isolate wire and prevent damage to tank or other approved holding down material secured around tank and to concrete pedestal.	No	2,00		
5	3mm Thick galvanised plate with and including 23mm hole to be bolted onto edge of concrete slab with 2 x 8mm raw bolts.	No	2,00		
6	20mm Cobra 541 or other approved tank locking tap fitted to a 22mm extension pipe with barrel nipple and galvanised socket.	No	2,00		
PEDESTAL					
NOTE: Unless otherwise stated herein, all items in this Bill shall be deemed to fall into Work Group No. 104 for Calculation of Contract Price Adjustments on the Haylett Formula.					
Excavation in earth not exceeding 2m deep:					
7	Holes.	m ³	0,70		
Excavation in earth not exceeding 2m deep from the reduced level:					
8	Trenches.	m ³	0,30		
Carried to Collection				R	
New Blocks					
Bill No. 13					
Plumbing and Drainage (Provisional)					

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>Extra over excavation in earth for excavation in:</u>				
1	Soft rock material.	m ³	1,00		
2	Hard rock material.	m ³	0,50		
	<u>Extra over all excavations for carting away:</u>				
3	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the Contractor.	m ³	9,00		
	<u>Risk of collapse of excavation:</u>				
4	Sides of trench and hole excavations not exceeding 1,5m deep.	m ²	25,00		
	<u>Keeping excavation free of water:</u>				
5	Keeping excavation free from mud, water and all other than from subterranean sources.	Item			
	<u>Earth filling supplied by the Contractor and brought to site and compacted to 98% Mod AASHTO density:</u>				
6	G6 material under floors	m ³	7,00		
	NOTE: Unless otherwise stated herein, all items in this Bill shall be deemed to fall into Work Group No. 110 for Calculation of Contract Price Adjustments on the Haylett Formula.				
	<u>20MPa/19mm Vibrated reinforced concrete:</u>				
7	Raft foundation including beams.	m ³	4,00		
	<u>25MPa/19mm Vibrated concrete:</u>				
8	Surface bed.	m ³	2,00		
	<u>20Mpa/19mm Vibrated reinforced concrete stormwater channels laid in not exceeding 2080mm long panels to falls and finished smooth to non-slip finish Class U2 wood float finish on all exposed faces, including all ground preparations, formwork, type 193 fabric reinforcement and construction joints sealed with polysuphide sealing compound:</u>				
	Carried to Collection			R	
	New Blocks				
	Bill No. 13				
	Plumbing and Drainage (Provisional)				

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1	600mm Wide x 130mm thick extreme (80mm average thick Vstormwater channel).	m	27,00		
2	Extra over 600mm wide V- drain for 900 x 600mm wide channel for corner junction.	No	2,00		
3	Extra over 600mm wide V- drain for 600 x 600mm wide channel for junction.	No	2,00		
4	Extra over 600mm wide V- drain for 600mm wide channel for corner junction.	No	6,00		
	Test blocks:				
5	Allow for all necessary concrete test cubes size 150 x 150 x 150mm cast from batches of concrete set of three, made, stored, cured and tested in accordance with SANS 2001-CC1, including use of approved cube moulds, transporting to an approved testing laboratory for testing, paying all charges and submitting reports to the Structural Engineer.	Sets	4,00		
	NOTE: Unless otherwise stated herein, all items in this Bill shall be deemed to fall into Work Group No. 111 for Calculation of Contract Price Adjustments on the Haylett Formula.				
	Unformed finishes Class U2 - wood float finish:				
6	On surface beds	m ²	12,00		
	Formwork Class F1 - ordinary finish:				
7	Edges, risers, ends and reveals not exceeding 300mm high or wide.	m	20,00		
	Isolation joints with 13mm bitumen impregnated softboard between vertical concrete surfaces and brickwork:				
8	13mm Joints not exceeding 300mm high.	m	20,00		
	Thioflex 600 polysulphide sealing compound including backing strip, bond breaker, primer, etc.:				
1	13 x 13mm Isolation joints between floors and brickwork including raking out joint filler as necessary.	m	20,00		
	Carried to Collection				
				R	
	New Blocks				
	Bill No. 13				
	Plumbing and Drainage (Provisional)				

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	NOTE: Unless otherwise stated herein, all items in this Bill shall be deemed to fall into Work Group No. 114 for Calculation of Contract Price Adjustments on the Haylett Formula.				
	Galvanised Bars:				
2	10mm Diameter galvanised bars high tensile steel U shaped bent approximately 920mm girth and cast into concrete slab.	T	0,008		
	Fabric Reinforcement				
3	Type 193 fabric reinforcement in surface beds, rib and block slabs, etc.	m ²	12,00		
4	Type 395 fabric reinforcement in surface beds, rib and block slabs, etc.	m ²	12,00		
	NOTE: Unless otherwise stated herein, all items in this Bill shall be deemed to fall into Work Group No. 116 for Calculation of Contract Price Adjustments on the Haylett Formula.				
	Brickwork of NFX bricks (14 MPa nominal compressive strength) in class II mortar:				
5	One brick walls including wire ties (7 per square metre - laid staggered).	m ²	7,00		
	Brickwork of NFP bricks (14 MPa nominal compressive strength) in class II mortar:				
6	One brick walls including wire ties (7 per square metre - laid staggered).	m ²	9,00		
	Corobrik® (Lawley-Gauteng) 20-30 MPa Montana Travertine FSB clay facebrick, bedded and jointed in Class II mortar and pointed with flush vertical and flush horizontal joints and perpend, suitable for exposure zones 1-2:				
1	Extra over NFX brickwork for face brickwork in foundations (provisional).	m ²	2,00		
2	Extra over NFP brickwork for face brickwork.	m ²	9,00		
	Carried to Collection				
				R	
New Blocks					
Bill No. 13					
Plumbing and Drainage (Provisional)					

ITEM
NO

DESCRIPTION

UNIT

QTY

RATE

AMOUNT

SECTION NO. 3**BILL NO. 14****GLAZING**

NOTE: 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 document, the Standard Conditions of Tender, Conditions of Contract, Model Preambles for Trade 2008, Specifications, Drawings and all other relevant documentation.

NOTE: Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No.150 for Haylett formula purposes

GLAZING**Glazing to steel fixed with putty:**

- 1 4mm Sandblasted glass in panes not exceeding

m²

3,00

MIRRORS**6mm Silver backed mirror (polished edges) fixed with 4 off dome capped mirror screws:**

- 2 300 x 600mm high.

No

3,00

Carried Forward to Summary of Section No.

R

New Blocks
Bill No. 14
Glazing

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	SECTION NO. 3				
	BILL NO. 15				
	PAINTWORK				
	NOTE: 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 document, the Standard Conditions of Tender, Conditions of Contract, Model Preambles for Trade 2008, Specifications, Drawings and all other relevant documentation. NOTE: Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No 152 for Haylett formula purposes. SUPPLEMENTARY PREAMBLES <u>Proprietary items or materials:</u> Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Head: Public Works. PAINTWORK, ETC., TO NEW WORK ON PLASTER <u>Prepare, prime with one coat Dulux Trade alkali-resistant primer, one coat Dulux trade universal undercoat and two finishing coats of dulux pearglo weatherguard paint:</u> 1 On internal walls. m² 138,00 ON RHINOBOARD <u>Prepare one coat primer and two finishing coats of exterior quality PVA emulsion paint including priming nail heads:</u> 1 On ceilings and cornices. m² 39,00				
	Carried to Collection			R	
	New Blocks				
	Bill No. 15				
	Paintwork				

ITEM
NO

DESCRIPTION

UNIT

QTY

RATE

AMOUNT

ON METAL**Prepare and apply two coats of bituminous emulsion:**

- 2 On backs of steel door frames.

m² 1,00**Prepare and apply one coat calcium plumbate primer, one coat undercoat and two coats alkyl enamel paint:**

- 3 On window frames.

m² 7,00**ON WOOD****Prepare and apply pink wood primer:**

- 4 On backs of frames, linings, etc. not exceeding 300mm wide.

m 29,00

Prepare, one coat primer, one undercoat and two coats of gloss enamel:

- 5 On internal doors.

m² 21,00

- 6 On external doors.

m² 3,00

- 7 On rails, skirtings, etc., not exceeding 150mm girth.

m 29,00

ON FIBRE CEMENT**Prepare, prime with alkali-resistant primer and two finishing coats of acrylic emulsion paint:**

- 8 On fascias and barge boards not exceeding 300mm girth.

m 47,00

- 9 On cills not exceeding 300mm girth.

m 6,00

Carried to Collection

R

New Blocks
Bill No. 15
Paintwork

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	SECTION NO. 4				
	EXTERNAL WORKS				
	BILL NO. 1				
	STORMWATER CHANNELS (PROVISIONAL)				
	NOTE: 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 document, the Standard Conditions of Tender, Conditions of Contract, Model Preambles for Trade 2008, Specifications, Drawings and all other relevant documentation. NOTE: Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No.146 for Haylett formula purposes				
	STORMWATER CHANNELS				
	The following in concrete apron and channels:				
1	Excavate in earth not exceeding 2m deep.	m ³	4,00		
2	Extra over excavation for excavating in soft rock material.	m ³	1,00		
3	Extra over all excavations for surplus material from excavations and/or stock piles on site to a dumping site to be located by the Contractor.	m ³	4,00		
4	Earth filling supplied by the Contractor, 150mm G5 material compacted to 98% Mod AASHTO density.	m ³	3,00		
5	Soil insecticide to bottoms and sides of earth channel.	m ³	20,00		
6	Type 193 fabric reinforcement in surface beds, pavings, etc.	m ³	17,00		
	Carried to Collection				
				R	
	External Works				
	Bill No. 1				
	External Works				

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1	Concrete Class 25MPa/19mm in earth channel.	m ³	1,00		
2	3mm Wide x 20mm deep saw cut joints in top of concrete.	m	6,00		
3	Polysulphide sealant to manufacture's specification (with suitable bond breaker chord).	m	6,00		
4	Unformed finishes Class U2 wood float finish to concrete channel.	m ²	17,00		
5	Formed finish Class II rough formwork to edges not exceeding 300mm high.	m	70,00		
EXCAVATION, FILLING, ETC.					
NOTE: Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No. 104 for Haylett formula purposes.					
Excavation in earth not exceeding 2m deep:					
6	To reduce levels.	m ³	10,00		
Extra over trench and hole excavations in earth for excavation in:					
7	Soft rock material.	m ³	2,00		
8	Hard rock material.	m ³	1,00		
Extra over all excavations for carting away:					
9	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the Contractor.	m ³	6,00		
Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 98% Mod AASHTO density:					
10	Backfilling to trenches, etc.	m ³	3,00		
Filling supplied by the contractor under concrete walkways, etc.:					
11	Earth filling (G7) quality material supplied by the Contractor and brought to site and compacted to 93% Mod AASHTO density material under floors.	m ³	5,00		
Carried to Collection				R	
External Works					
Bill No. 1					
External Works					

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
<u>Compaction of surfaces:</u>					
1	Compaction of ground surface under floors, etc., including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 90% Mod AASHTO density.	m ²	20,00		
<u>Soil insecticide as per clause 2.13 of specification OOG001E including 50mm sand over as per Architect's schedule 60491906 01 90 600 P 00:</u>					
2	Soil insecticide under floors, etc., including forming and poisoning shallow furrows against foundation walls, etc., filling in furrows and ramming.	m ²	20,00		
<u>VIBRATED REINFORCED CONCRETE</u>					
NOTE: Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No.110 for Haylett formula purposes.					
<u>25MPa/19mm Vibrated reinforced concrete:</u>					
3	Vibrated reinforced 25MPa/19mm stone concrete surface beds cast in panels	m ³	4,00		
4	Edge thickening.	m ³	1,00		
<u>Test blocks:</u>					
5	Allow for all necessary concrete test cubes size 150 x 150 x 150mm cast from batches of concrete set of three, made, stored, cured and tested in accordance with SABS 2001-CC1, including use of approved cube moulds, transporting to an approved testing laboratory for testing, paying all charges and submitting reports to the Structural Engineer.	Sets	4,00		
<u>CONCRETE SUNDRIES</u>					
<u>Unformed finish:</u>					
6	Finishing top surfaces of concrete smooth with a steel float to walkways.	m ²	15,00		
Carried to Collection				R	
External Works					
Bill No. 1					
External Works					

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	FORMED FINISH				
	NOTE: Unless otherwise stated herein, all items in this section shall be deemed to fall into Work Group No. 111 for Haylett formula purposes.				
	Smooth formwork to sides (Degree of Accuracy Class II):				
1	Smooth formwork to sides of edges, risers, ends and reveals not exceeding 300mm high or wide.	m	20,00		
	REINFORCEMENT				
	NOTE: Unless otherwise stated herein, all items in this section shall be deemed to fall into Work Group No. 114 for Haylett formula purposes.				
	Fabric reinforcement:				
2	Type 193 fabric reinforcement in surface beds, etc.	m ²	15,00		
	TEMPORARY ABLUTIONS				
	NOTE: Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No.190 for Haylett formula purposes.				
	SANITECH OR SIMILAR APPROVED PORTABLE TOILETS				
	The following 10 No. Girls and 5 No. Male toilet rental by Sanitech Mark 2, which includes the optional extra flush, basin and soap dispenser for the period of 10 Months:				
3	Delivery and collection of construction flush portable chemical toilets.	No	4,00		
4	Monthly hire of construction flush portable chemical toilets with wash hand basin.	No	96,00		
5	Weekly servicing of construction flush portable chemical toilets with wash hand basin (includes the supply of fresh water, chemical, paper towel, soap and a toilet roll) once a week.	No	384,00		
6	Damage waiver.	No	4,00		
	Carried to Collection				
				R	
	External Works				
	Bill No. 1				
	External Works				

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
SUMMARY					
SECTION NO		Page No			
1	Preliminaries	20			
2	Repairs and Renovations	49			
3	New Blocks	103			
4	External Works	108			
Sub-Total					R
Add: Value Added Tax (15%)					R
Total Carried to Form of Tender					R



KWAZULU-NATAL PROVINCE

PUBLIC WORKS
REPUBLIC OF SOUTH AFRICA

**DEPARTMENT OF EDUCATION SANITATION PROGRAMME FOR SCHOOLS, UGU DISTRICT:
PHUMZA HIGH SCHOOL (SOUTHERN REGION)**

PART C3. SCOPE OF WORKS

C3.1 SCOPE OF WORKS

GCC FOR CONSTRUCTION WORKS (Edition 2 of 2010)

Scope of Works complied in accordance with SANS 10403 where reference is made to this part of SANS 1921-1:2004

Project title:

DEPARTMENT OF EDUCATION SANITATION PROGRAMME FOR SCHOOLS, UGU DISTRICT: PHUMZA HIGH SCHOOL (SOUTHERN REGION)

Tender no:

ZNTM00934W

Project Code:

064545

SECTION 1

1

EXTENT OF THE WORKS

1.1 EMPLOYERS OBJECTIVES

This project is part of the Department of Public Works (DoPW) Schools Water and Sanitation Programmes. The Employer's Objectives are to provide healthy, hygienic and appropriate ablution facilities at schools in the KwaZulu-Natal province.

The objective of this project is to demolish and construct new ablution facilities at Phumza Primary School.

1.2 OVERVIEW OF THE WORKS

This project involves the construction of four (4) new ablution facilities comprising twenty seven (27) seats, six (6) urinals and nineteen (19) wash hand basins at Phumza Primary School.

1.3 EXTENT OF THE WORKS

The project will consist of the following major components:

- Cut and fill operations to form new building platform with a total volume of 4 m3
- Imported fill to form new building platform with a total volume of 3 m3
- Preparation of new building platform with a total footprint of 500 m2
- Excavations for soakaways and septic tank
- Construction of four (4) new soakaways and septic tank
- Shallow foundations
- Construction of four (4) new ablution facilities with a total footprint of 263 m2

o3 Male, 3 Female and 1 Disabled facility comprising of five (5) seats, two (2) urinals and three (3) wash hand basins

o8 Boys' facility comprising of four (4) seats, four (4) urinals and four (4) wash hand basins

o12 Girls' facility comprising of twelve (12) seats and six (6) wash hand basins

o5 Grade R and 1 Teachers' facility comprising of six (6) and six (6) wash hand basins

- Construction of 74 metres of new water reticulation
- Construction of 54 metres of new sewer reticulation
- Construction of stormwater control measures such as berms and open drains
- Construction of 22 metres of walkways and ramps
- Installation of 37 metres of fencing and 1 number of gates for the Grade R ablutions

The works will also include:

- Individual service connections to the new and/or existing ablution facilities
- Installation of all fixtures including toilets, urinals, hand basins and fittings associated with the works for the new and/or existing ablution facilities as highlighted above
- Reinstatement of paved areas removed or damaged during construction
- Demolition of old ablution facilities
- Filling old pits/septic tanks after demolition of buildings
- Disposal of excavated material

1.4 LOCATION OF THE WORKS

The project is situated at Phumza Primary School. The school is located 62.7 kilometres from Port Shepstone in the Ugu District of KwaZulu-Natal. The coordinates of the school are 30°43'25.85"S and 29°56'37.61"E. Unfettered access to the site cannot be guaranteed at all times as the school will remain operational for the duration of the project.

1.5 TEMPORARY WORKS

All temporary works to comply with the Occupational Health and safety Act (Act 85 of 1993). Special care should be taken to barricade all excavations and fence off the project site where appropriate.

The contractor is specifically alerted to the fact that the Works are situated within the school grounds and precautions must be taken to ensure the safety of all learners and staff.

2

ENGINEERING

2.1 EMPLOYER'S DESIGN

Applicable

2.2 DESIGN BRIEF

Not applicable

2.3 DRAWINGS

See list of drawings/Annexure's attached to this document.

2.4	DESIGN PROCEDURES Not applicable
3	<u>PROCUREMENT</u> 3.1 PREFERENTIAL PROCUREMENT PROCEDURES This tender will be subject to the implementation of the Preferential Procurement Regulations, 2022, pertaining to the Preferential Procurement Policy Framework Act, Act Number 5 of 2000 and the relevant Supply Chain Management Legislation and the KwaZulu-Natal Supply Chain Management Policy Framework published by the KwaZulu-Natal Provincial Treasury. Tenderders are referred to www.kzntreasury.gov.za for access to the relevant documents. Tenderders are advised to familiarize themselves with the contents of the KwaZulu-Natal Supply Chain Management Policy Framework regarding Preference Point Systems, evaluation of tenders appeals and other matters. 3.2 RESOURCE STANDARD PERTAINING TO TARGETED PROCUREMENT NOTE : This project will be adjudicated as not exceeding R 50,000 000,00 3.3 SCOPE OF MANDATORY SUBCONTRACT WORK Not applicable 3.4 PREFERRED SUBCONTRACTORS/SUPPLIERS Not applicable 3.5 SUBCONTRACTING PROCEDURES Not applicable
4	<u>CONSTRUCTION</u> 4.1 APPLICABLE SANS 2001 STANDARDS FOR CONSTRUCTION WORKS The Contractor is referred to the "Model Preambles to Trades - 2008", any "Supplementary Preambles", the Electrical Specifications and Mechanical Specification for full descriptions of materials and methods referred to in these Bills of Quantities/Lump Sum documents, insofar as they apply. The Contractor is advised to study the "Standard Preambles to all Trades", any "Supplementary Preambles", the Electrical Specifications and Mechanical Specification, before pricing Bills of Quantities/Lump Sum documents. Where the description in the Bills of Quantities/Lump Sum documents differ from those in the Standard Electrical Specifications, the descriptions in the Bills of Quantities/Lump Sum documents are to apply. No claim whatsoever will be allowed in respect of errors in pricing due to brevity of description of items in the Bills of Quantities/Lump Sum documents which are fully described when read in conjunction with the relevant Preambles and/or Specifications. Suppliers of materials and the like, whose quality systems apply with one or more of the SABS/SANS ISO 9000 Series should be used whenever possible in the absence of a particular SABS/SANS Specification Standard Mark. Wherever the words "shall be deemed to be included in the description", "shall be stated" or other words having the same effect, appear in the Standard System, it shall be deemed that all descriptions in these Bills of Quantities/Lump Sum documents incorporated such inclusions and statements whether specifically stated or not. The Contractor is hereby informed that where SABS/SANS Specifications are referred to in these Bills of Quantities/Lump Sums documents and Specifications thereto, then ONLY the Specification of Work Clauses will apply. The method of measurement and payment clauses will NOT apply to this Contract. The Contractor is hereby informed that risk of collapse and keeping excavations free from water (excluding subterranean water) generally are deemed to be included in the descriptions unless accommodated in the system of measurement. Please refer to the Geotechnical Investigation report when included at the end of these tender documents. Whenever reference is made to "Sub-Contractor", "Nominated Sub-Contractor" or the like in the specifications included or referred to in these Bills of Quantities/Lump Sums documents, it shall be deemed to mean "Contractor" as defined.

4.2	APPLICABLE NATIONAL AND INTERNATIONAL STANDARDS See above 4.1												
4.3	PARTICULAR / GENERIC SPECIFICATIONS The Contractor is referred to the following documents whether attached to this document or not: <table border="0"> <thead> <tr> <th><u>SPECIFICATION</u></th><th><u>PAGES</u></th></tr> </thead> <tbody> <tr> <td>Specification for HIV/AIDS Awareness (CIDB)</td><td>HIV1 TO HIV3</td></tr> <tr> <td>Specific Construction, Safety, Health and Environmental Plan</td><td></td></tr> <tr> <td>Model Preambles for Trades 2008</td><td>1 to 49</td></tr> <tr> <td>General Electrical Specification</td><td>E/1 to E/20</td></tr> <tr> <td>Lightning Protection Installation</td><td>LP/1 to LP/6</td></tr> </tbody> </table>	<u>SPECIFICATION</u>	<u>PAGES</u>	Specification for HIV/AIDS Awareness (CIDB)	HIV1 TO HIV3	Specific Construction, Safety, Health and Environmental Plan		Model Preambles for Trades 2008	1 to 49	General Electrical Specification	E/1 to E/20	Lightning Protection Installation	LP/1 to LP/6
<u>SPECIFICATION</u>	<u>PAGES</u>												
Specification for HIV/AIDS Awareness (CIDB)	HIV1 TO HIV3												
Specific Construction, Safety, Health and Environmental Plan													
Model Preambles for Trades 2008	1 to 49												
General Electrical Specification	E/1 to E/20												
Lightning Protection Installation	LP/1 to LP/6												
4.4	CERTIFICATION BY RECOGNIZED BODIES Only contractors registered with the Electrical Contracting Board of South Africa in accordance with the Regulations of the Occupational Health and Safety Act will be accepted and permitted to do work under this contract.												
4.5	AGRÉMENT CERTIFICATES Not applicable												
4.6	PLANT AND MATERIAL PROVIDED BY THE EMPLOYER Not applicable												
4.7	SERVICES AND FACILITIES PROVIDED BY THE EMPLOYER Not applicable												
4.8	OTHER SERVICES AND FACILITIES 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 Administration. 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. The Contractor is 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.												
5	<u>MANAGEMENT</u>												
5.1	APPLICABLE SANS 1921 STANDARDS Tenderders are referred to SECTION 2 : SPECIFICATION DATA ASSOCIATED WITH SANS 1921-1:2004 IN THIS DOCUMENT												
5.2	RECORDING OF WEATHER The Contractor shall keep record of abnormal climatic conditions to facilitate the adjudication of claims for extension of the contract period.												

The Contractor shall allow in his programme for the following number of days for rain days (rain > 10mm per day) as per the table below:

CURRENT YEAR			YEAR + 1	YEAR + 2
January	w/days		3	3
February	w/days		3	3
March	w/days		3	3
April	w/days		3	3
May	w/days		3	3
June	w/days		3	3
July	w/days		3	
August	w/days		3	
September	w/days		3	
October	w/days		3	
November	w/days		3	
December	w/days	3	3	

5.3 MANAGEMENT MEETINGS

In order to facilitate the smooth functioning of the Works and to ensure the closest co-operation between all the parties concerned, the Employer will call for regular meetings to be held on the site, at which a senior member of the Contracting firm and the General Foreman of the Works will always be required to be present. In addition to the above, other persons will be required to attend these meetings as and when their presence is necessary, e.g., Consultants in all disciplines, representatives of the various Sub-Contractors, etc. Proper minutes of these meetings will be kept by the Employer/Principal Agent and copies will be circulated to all persons attending the meetings and to others who need to be kept informed.

5.4 FORMS FOR CONTRACT ADMINISTRATION

The Employer shall provide all necessary forms.

5.5 ELECTRONIC PAYMENTS

The Contractor shall provide all required information to the Employer to facilitate electronic payments upon request.

5.6 DAILY RECORDS

The Contractor shall keep daily records of people and equipment employed as well as a site diary in respect of work performed on the site.

At the end of each week the Contractor shall provide the 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.

At the end of each week the Contractor shall provide the 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.

5.7 BONDS AND GUARANTEES

The Contractor shall within 10 calendar days after receiving notice from the Engineer and prior to 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 bonds, guarantees, proof of insurance and any other documentation to be provided in terms of the conditions of contract identified in the Contract Data.

5.8 PAYMENT CERTIFICATES

Requirements will be in accordance with the Employers prescriptions.

5.9	PERMITS The Contractor is advised that, in the case of an existing building or institution, all security measures in force will remain in operation and he must acquaint himself and his Employees with them as he and his Employees will at all times be subject to these measures. The Contractor will on no account extend his operations beyond the confines of the building site as indicated by the Employer and must ensure that all his Employees are made aware of these limits. Any Employee disregarding this instruction and found outside the limit of the building site without authority, shall be redeployed immediately and shall not again be employed on this Contract. The Contractor will be responsible for ensuring that this instruction is strictly enforced and must provide and remove upon completion or when directed, such other necessary temporary barriers, fences, etc., as may be required and is to allow opposite this item for any charges he may wish to make in this connection. The Employer will accept no responsibility whatsoever for damage to or the loss of plant, materials, etc., from the site
5.10	PROOF OF COMPLIANCE WITH THE LAW The following certificates must be provided before first delivery is taken: - HIV/STI Report (Bound into this document) - Electrical Compliance Certificate - Plumbing Compliance Certificate - Lightning Certificate - Soil Protection Certificate - Concrete test and cube certificates - Waterproofing Guarantee certificates - TR1 and TR2 prefabricated roof truss certificates - Soil compaction certificates - Electrical and Mechanical test certificates - Plumbing and drainage pressure test certificates - Fire Compliance Certificate - Entomology Certificate - SANS 10400-A:2010 compliance certificates - Latest National Building Regulation
5.11	INSURANCE PROVIDED BY THE EMPLOYER Not Applicable
Clause Numbers	<u>SECTION 2</u>
	<u>SPECIFICATION DATA ASSOCIATED WITH SANS 1921-2004</u>
	4.1.7 The requirements for drawings, information and calculations for which the Contractor is responsible
	Prefabricated roof trusses design must be submitted for approval 30 days prior to erections.
	4.2.1 The responsibility strategy assigned to the Contractor for the works is:
	Strategy A
	4.2.2 The structural engineer is:
	ABC Engineers
	4.2.3 Drawings & other info are to be submitted in accordance with the contractors programme
	N/A
	4.3 The planning, programme and method statement are to comply with the following:
	N/A

4.12.1	Samples of materials The work is to be executed with materials of the best specified and in the most substantial and workmanlike manner under the inspection of the Employer and to his satisfaction. The Contractor shall furnish, without delay, such samples as called for or may be called for by the Employer, who may reject all materials or workmanship not corresponding with the approved sample. The samples of materials, workmanship and finishes that the Contractor is to provide and deliver to the employer are: - Tile sample. - Brick sample. - Light fitting sample. - Screed panel 2m x 2m impact test. - Tested trial mix to be approved by the Engineer.
4.12.2	Fabrication drawings that the contractor is to provide to the employer are: None
4.12.3	Office accommodation, equipment, accommodation for site meetings and other facilities for use by the employer and his agents are: OFFICE FOR FOREMAN Provide, erect, maintain and remove at completion a suitable temporary office for the Contractor or his Foreman, perfectly secured, lighted and ventilated and having a desk with drawers. TELEPHONE The Contractor shall provide a telephone on the site for the use of the Contractor and all Sub-Contractors for the duration of the Contract, and must make the necessary application for connection, give all notices and pay all fees, rentals and charges for the service and also for all calls. OFFICE FOR INSPECTOR OF WORKS Provide, erect, maintain and remove at completion a well constructed temporary office for the Inspector of Works not less than 4 x 3 m on plan and 3 m high to eaves to the approval of the Employer. The office shall be constructed of wood framing covered externally with corrugated iron or corrugated asbestos and with a lean-to roof covered with the same material as the external wall covering. The office shall be lined internally with soft board or other approved material and a ceiling shall be provided of the same material as the internal lining. A suspended wood floor shall be provided and is to finish not less than 300 mm above the ground level. A lockable door and a window, which provides adequate light and ventilation, shall be fitted. An office constructed of 115 mm thick brick-work and provided with a screeded concrete floor and roofed and ceiled as above described may be accepted as an alternative but prior permission of the Employer will be necessary before construction of such an office is commenced and his requirements shall be stated and fulfilled by the Contractor. The office shall be fitted in an approved manner with a sloping topped desk of height and length suitable for the laying out and studying of drawings, a desk or table with not less than two lock-up drawers, shelves, seating and wash-stand, and the Contractor shall provide all necessary attendance. TELEPHONE IN OFFICE FOR INSPECTOR OF WORKS The Contractor shall arrange for the installation of a lockable telephone in the Office for the Inspector of Works for the duration of the Contract. The Contractor will be required to make the necessary application for connection and give all notices on behalf of the Employer. The Employer will, however, be responsible for the direct payment of all fees, rentals and other charges by Telkom for the service for the Inspector of Works and for all calls made from this telephone.

	SHED
	Provide, erect, maintain and remove at completion, ample temporary sheds for the proper storage of materials and for the use of the workmen, and remove when no longer required.
4.14.6	The requirement for provision and erection of signboards are:
	Supply, erect, maintain and remove at completion a painted notice board, size overall 2800 x 2345 mm high sign written to detail as Drawing No. T9506 which drawing is available from offices of the Department of Public Works. Only the official notice board is to be displayed on the site and no Sub-Contractor's boards will be permitted. The Contractor, at his own cost, may provide a board on which all sub-contract firms' names may be sign written. The notice board is to be to the approval of the Employer and is to be maintained in first class condition and placed where directed at the entrance to the site and remain there for the duration of the Contract.
4.17.1	Requirement for the termination, diversion or maintenance of existing services:
	Should the Contractor come in contact with any underground cables or pipes during excavations, immediate notification must be made to the Employer and all work in the vicinity of such cables, pipes, etc., shall cease until authority to proceed has been obtained from the Employer. Should the Contractor damage underground cables or pipes resulting in a disruption of services to an existing institution such damage shall be repaired immediately.
4.17.3	Services which are known to exist on the site:
	Investigate and provide detail drawings.
4.17.4	Requirement for detection apparatus
	None
4.18	ADDITIONAL HEALTH AND SAFETY REQUIREMENTS ARE:
	By the submission of a tender, any Tenderder will, if awarded the contract to which this tender document relates, be deemed to be the mandatory as envisaged by Section 37 (2) of the Act. As a mandatory the successful Tenderder will be deemed to be the "principal contractor" and an employer in his/her/their own right with duties as prescribed in the Act and accordingly will be deemed to have agreed to be solely responsible for ensuring that in connection with the service to which this tender document relates, all work will be performed and machinery and plant used in accordance with the Act. Should the Contractor, for whatever reason be unable to perform as required by the Act, the Contractor undertakes to inform the Employer accordingly. Tenderders are advised that it is a Condition of this Tender that a 'Construction Phase Safety, Health and Environmental Plan' specifically relates to the project for which tenders are being submitted and must be prepared by the Tenderder and submitted with the other tender documents at the time of tender. Failure to do so will invalidate the tender. Tenderders are therefore advised to study the 'Construction Safety, Health and Environmental Specification' which is issued as part of this tender document, the Model Preambles to Trades - 2008, any project Specification included in this tender document and any and all drawings which are referred to and issued as part of this tender document before preparing their own project specific 'Construction Phase Safety, Health and Environmental Plan'. Tenderders are also advised that such a plan which is submitted with a tender but is incomplete or considered inadequate by the Employer or his Representative will invalidate the tender. The Contractor will be deemed to have satisfied himself with his obligations in terms of the Act and to have allowed for all costs arising from compliance with the Act as no claim for extra costs arising from compliance with, and obligations in terms of the Act will be entertained.
4.22	WORK BY NOMINATED AND SELECTED SUBCONTRACTORS COMPRISE:
	[Provide list of applicable contractors]

EXTENT OF THE WORKS

1.1. EMPLOYERS OBJECTIVES

This project is part of the Department of Public Works (DoPW) Schools Water and Sanitation Programmes. The Employer's Objectives are to provide healthy, hygienic and appropriate ablution facilities at schools in the Kwa-Zulu Natal province.

The objective of this project is to construct new ablution facilities at Mqhakama High School.

1.2. OVERVIEW OF THE WORKS

This project involves the construction of three (3) new ablution facilities comprising seventeen (17) seats, six (6) urinals and twelve (12) wash hand basins at Mqhakama High School.

1.3. LOCATION OF THE WORKS

The project is situated at Mqhakama High School. The school is located 29 kilometres from Harding in the Ugu District of KwaZulu-Natal. The coordinates of the school are 30°29'08.68"S and 30°09'57.12"E. Unfettered access to the site cannot be guaranteed at all times as the school will remain operational for the duration of the project.

1.4. EXTENT OF THE WORKS

The project will consist of the following major components:

- Cut and fill operations to form new building platform with a total volume of 74 m³
- Imported fill operations to form new building platform with a total volume of 4 m³
- Cut to spoil operations to form new building platform with a total volume of 28 m³
- Preparation of new building platforms with a total footprint of 541 m²
- Excavations for septic tank, soakaway and pits
- Construction of three (3) new ablution facilities with a total footprint of 201 m²
 - 3 Male, 3 Female and 1 Disabled facility comprising of five (5) seats, two (2) urinals and three (3) wash hand basins
 - 8 Boys facility comprising of four (4) seats, four (4) urinals and four (4) wash hand basins
 - 8 Girls facility comprising of eight (8) seats and five (5) wash hand basins
- Construction of 57 metres of new water reticulation
- Construction of 28 metres of new sewer reticulation for a soakaway
- Construction of storm water control measures such as berms and open drains
- Construction of 46 metres of walkways and ramps

The works will also include:

- Installation of all fixtures including toilets, urinals, hand basins and fittings associated with the works for the new ablution facilities as highlighted above
- Removal of trees, over and beyond the clear and grub operations
- Reinstatement of paved areas removed or damaged during construction
- Demolition of old ablution facilities
- Filling old pits and septic tanks after demolition of buildings
- Disposal of excavated material
- Rehabilitation of construction area
- Provision of temporary ablution facilities for the exclusive use of learners and staff at the school

1.5. TEMPORARY WORKS

All temporary works to comply with the Occupational Health and safety Act (Act 85 of 1993). Special care should be taken to barricade all excavations and fence off the project site where appropriate.

The contractor is specifically alerted to the fact that the Works are situated within the school grounds and precautions must be taken to ensure the safety of all learners and staff.

C3.2 - SPECIFICATION FOR HIV/AIDS AWARENESS

1 Scope

This generic specification contains requirements applicable to the reduction of the risk of transfer of the HIV virus between and among construction workers and the local community through the following four strategies:

- a) raising awareness about HIV/AIDS;
- b) providing construction workers with access to condoms;
- c) HIV counselling, testing and referral services; and
- d) Sexually Transmitted Infection diagnosis and treatment.

2 Normative references:

The following standard contains provisions that, through reference in this text, constitute provisions of this standard:

SANS 4074 ISO 4074, *Condom Rubbers*

3 Definitions and Abbreviations

3,1 Definitions

Construction Worker: all persons in the employ of the contractor or in the employ of any of the subcontractors contracted by the contractor.

Local Community: the communities local to the site which are most likely to have contact with the construction worker and, in particular, sex workers in those communities.

Service provider: the natural or juristic person recognised by the South African Department of Health as specialist in conducting Aids Awareness Programmes.

3,2 Abbreviations

STI: Sexually transmitted infection

HIV: Human Immunodeficiency Virus

AIDS: Acquired Immune Deficiency Syndrome

4 Objectives

The objectives are to:

- a) reduce the risk of transfer of the HIV virus between and among construction workers and the local community;
- b) raise awareness amongst construction workers and the local community of the risk of infection with the HIV virus;
- c) promote early diagnosis; and
- d) assist affected individuals to access care and counselling.

5 Requirements

5.1 General requirement

The contractor shall, in order to satisfy the objectives stated in 4:

- a) make condoms complying with the requirements of SABS ISO 4074 available to all construction workers at readily accessible points on the site, suitably protected from the elements, for the duration of the contract;
- b) either place and maintain HIV/AIDS awareness posters of size of not less than A1 in areas which are highly trafficked by construction workers, or provide construction workers with a pamphlet, in languages largely understood by construction workers, which
- c) encourage voluntary HIV/STI testing;
- d) provide information concerning counselling, support and care of those that are infected services; and
- e) comply with the requirements of 5.2.

The provisions of 5.1 c) and d) do not apply to this contract.

5.2 HIV awareness programme

5.2.1 The contractor shall:

- a) engage a qualified service provider as described in the scope of works to conduct an HIV Awareness Programme which is structured to achieve the outcomes stated in 5.2.3 for contract workers as soon as a construction workers camp is established and populated or, where no such camp is established, within two weeks of the commencement of a significant portion of the works and at subsequent intervals, if any, provided for in the scope of works; and
- b) arrange for, provide a suitable venue, and instruct all construction workers to attend the HIV Awareness Programme and notify the Employer's Representative of the date, time and venue whenever a session with construction workers is conducted.

Note: The National Department of Public Works maintains a list of qualified service providers.

5.2.2 The contractor shall do nothing to dissuade construction workers from attending such an HIV Awareness Programme and shall take all reasonable steps to ensure that a minimum of 90% of construction workers engaged in the works attend such a programme, when it is conducted.

5.2.3 The outcomes of the HIV Awareness Programme shall as a minimum, result in contract workers exposed to such a programme being able to:

- a) communicate the existence of problems of HIV and be able to outline the consequences of transmission of HIV to or from the local community;
- b) recall and communicate the mode of HIV transmission and preventative measures including the proper use of the condom.

The HIV/ Aids awareness programme described in 5.2 is to be repeated at four month intervals throughout the duration of the contract. (Four times in total, including the initial one at the start of the contract)

5.3 Reporting

- 5.3.1 The contractor shall prepare and attach to his claims for payment a brief report which outlines how the actions taken by the contractor in the period for which payment is claimed satisfy the requirements and a schedule which lists the names, identity numbers, trade / occupation and name of employer of all construction workers exposed to the programme (see **HIV/STI Compliance Report**).
- 5.3.2 The employer's representative shall certify the report and schedule described in 5.3.1 whenever a claim for payment is issued to the employer.

Note: In the event that the contractor fails to satisfy the requirements of this specification, the employer (Head: Public Works) may apply any of the sanctions provided for in the contract. Sanctions may include the application of a financial penalty of .04% of the Contract Sum.

The *HIV /Aids* awareness programme described in 5.2 shall in addition *be conducted* for the benefit of the local community on two occasions in the community centre nearest to the building site. The contractor shall be *responsible* for inviting identifiable community-based *institutions and organisations, churches, and schools to participate in the programme.*

C3.3 - HIV/STI COMPLIANCE REPORT

Pro-forma reporting format in terms of the SPECIFICATION FOR HIV/AIDS AWARENESS

Project Code:	064545	
Payment Claim number:		Period covered by payment claim:

1. Distribution of condoms (briefly describe where and how condoms are distributed).
2. Posters / pamphlets (briefly describe where posters were placed / how pamphlets were distributed).
3. Voluntary testing (briefly describe the actions taken / information provided to promote testing).
4. Counselling, support and care (summarise information provided).
5. HIV awareness programme (briefly describe action).

[illegible]

For Contractor:

Date: _____

Date: _____



KWAZULU-NATAL PROVINCE

PUBLIC WORKS
REPUBLIC OF SOUTH AFRICA

**DEPARTMENT OF EDUCATION SANITATION PROGRAMME FOR SCHOOLS, UGU DISTRICT:
PHUMZA HIGH SCHOOL (SOUTHERN REGION)**

PART C4. SITE INFORMATION

C4.1 SITE INFORMATION
GCC FOR CONSTRUCTION WORKS (2 Edition of 2010)

Project title:	DEPARTMENT OF EDUCATION SANITATION PROGRAMME FOR SCHOOLS, UGU DISTRICT: PHUMZA HIGH SCHOOL (SOUTHERN REGION)		
Tender No.	ZNTM00934W	Project Code:	064545

C4.1 Site Information

C4.1 GENERAL

- (a) The project is situated at Phumza Primary School. The school is located 62.7 kilometres from Port Shepstone in the Ugu District of KwaZulu-Natal. The coordinates of the school are 30°43'25.85"S and 29°56'37.61"E. Unfettered access to the site cannot be guaranteed at all times as the school will remain operational for the duration of the project.
- (b) Specific requirements must be described.
- (c) Any additional site information such as location, improvements on site, adjacent buildings, environmental issues, etc. must be described in detail herein. If project is phased, indicate the phased work procedure with a colour coded site plan or graphical key or sorts.

C4.2 GEOTECHNICAL INVESTIGATION REPORT

- (a) See Attached Annexure for Geotechnical Report