

Item No		Quantity	Rate	Amount
	<p><b><u>SECTION 1</u></b></p> <p><b><u>PRELIMINARIES</u></b></p> <p><b><u>BILL NO. 1</u></b></p> <p><b><u>MEANING OF TERMS "TENDER / TENDERER"</u></b></p> <p>Any reference to the words "Tender" or "Tenderer" herein and/or in any other documentation shall be construed to have the same meaning as the words "Bid" or "Bidder"</p> <p><b><u>PRELIMINARIES</u></b></p> <p>The JBCC Preliminaries Code 2103, May 2005 edition for use with the JBCC Principal Building Agreement Edition 4.1 Code 2101, March 2005 is taken to be incorporated herein. The tenderer is deemed to have referred to these documents for the full intent and meaning of each clause. These clauses are referred to by number and heading only. Where standard clauses or options are not applicable to the contract such modifications or corrections as are necessary are given under each relevant clause. Where an item is not relevant to this specific contract such item is marked "N/A" signifying "Not Applicable"</p> <p><b><u>PRICING OF PRELIMINARIES</u></b></p> <p>Should Option A, as set out in clause B10.3.1 hereinafter be used for the adjustment of preliminaries then each item priced is to be allocated to one or more of the three categories Fixed, Value Related or Time Related and the respective amounts entered in the spaces provided under each item</p> <p>Items not priced in these Preliminaries shall be deemed to be included elsewhere in these Bills of Quantities</p>			
	<b>Carried to Collection</b>			R
	Preliminaries Bill No. 1 Preliminaries			

**SECTION A: JBCC PRINCIPAL BUILDING AGREEMENT**

**DEFINITIONS**

1 **A1.0 DEFINITIONS AND INTERPRETATION**

Clause 1.0

Clause 1.1 Definition of "**Commencement Date**" is added:

"**COMMENCEMENT DATE**" means the date that the **agreement**, made in terms of the Form of Offer and Acceptance, comes into effect

Clause 1.1 Definition of "**Construction Guarantee**" is amended by replacing it with the following:

"**CONSTRUCTION GUARANTEE**" means a 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 **schedule**

Clause 1.1 Definition of "**Construction Period**" is amended by replacing it with the following:

"**CONSTRUCTION PERIOD**" means the period commencing on the **commencement date** and ending on the date of **practical completion**

Clause 1.1 Definition of "**Corrupt Practice**" is added:

"**CORRUPT PRACTICE**" means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution

Clause 1.1 Definition of "**Fraudulent Practice**" is added:

"**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 practice 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

**Carried to Collection**

Preliminaries  
Bill No. 1  
Preliminaries

R

Clause 1.1 Definition of "**Interest**" is amended by replacing it with the following:

**"INTEREST"** means the interest rates applicable on this contract, whether specifically indicated in the relevant clauses or not, will be the rate as determined by the Minister of Finance, from time to time, in terms of section 80(1)(b) of the Public Finance Management Act, 1999 (Act No. 1 of 1999)

Clause 1.1 Definition of "**Principal Agent**" is amended by replacing it with the following:

**"PRINCIPAL AGENT"** means the person or entity appointed by the **employer** and named in the **schedule**. In the event of a **principal agent** not being appointed, then all the duties and obligations of a **principal agent** as detailed in the **agreement** shall be fulfilled by a representative of the **employer** as named in the **schedule**

Clause 1.1 Definition of "**Security**" is amended by replacing it with the following:

**"SECURITY"** means the form of security provided by the **employer** or **contractor**, as stated in the **schedule**, from which the **contractor** or **employer** may recover expense or loss

Clause 1.6 is amended by replacing the words "prepaid registered post, telefax or e-mail" with "prepaid registered post or telefax"

Clause 1.6.4 is amended by replacing it with the following:

No clause

Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time related: \_\_\_\_\_

**OBJECTIVE AND PREPARATION**

2 **A2.0 OFFER, ACCEPTANCE AND PERFORMANCE**

Clause 2.0

Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time related: \_\_\_\_\_

Item

Item

**Carried to Collection**

R

Preliminaries  
Bill No. 1  
Preliminaries

**3 A3.0 DOCUMENTS**

Clause 3.0

Clause 3.2.1 is amended by replacing "14.1" with "14.0"

Clause 3.7 is amended by the addition of the following:

The **contractor** shall supply and keep a copy of the **JBCC Series 2000 Principal Building Agreement and Preliminaries** applicable to this contract on the **site**, to which the **employer, principal agent and agents** shall have access at all times

Clause 3.10 is amended by replacing the second reference to "**principal agent**" with the word "**employer**"

Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time related: \_\_\_\_\_

Item

**4 A4.0 DESIGN RESPONSIBILITY**

Clause 4.0

Clause 4.3 is amended by replacing it with the following:

No clause

Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time related: \_\_\_\_\_

Item

**5 A5.0 EMPLOYER'S AGENTS**

Clause 5.0

Clause 5.1.2 is amended to include clauses 32.6.3, 34.3, 34.4 and 38.5.8

Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time related: \_\_\_\_\_

Item

**6 A6.0 SITE REPRESENTATIVE**

Clause 6.0

Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time related: \_\_\_\_\_

Item

**Carried to Collection**

R

Preliminaries  
Bill No. 1  
Preliminaries

7 **A7.0 COMPLIANCE WITH REGULATIONS**

Clause 7.0

Note: A separate clause has been included in Section C : Specific Preliminaries of the **bills of quantities / lump sum document** for the **contractor** to have the opportunity to price for all the requirements of the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification

Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time related: \_\_\_\_\_

Item

8 **A8.0 WORKS RISK**

Clause 8.0

Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time related: \_\_\_\_\_

Item

9 **A9.0 INDEMNITIES**

Clause 9.0

Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time related: \_\_\_\_\_

Item

10 **A10.0 WORKS INSURANCES**

Clause 10.0

Clause 10.0 is amended by the addition of the following clauses:

**10.5 Damage to the Works**

- (a) Without in any way limiting the **contractor's** obligations in terms of the contract, the **contractor** shall bear the full risk of damage to and/or destruction of the **works** by whatever cause during construction of the **works** and hereby indemnifies and holds harmless the **employer** against any such damage. The **contractor** shall take such precautions and security measures and other steps for the protection and security of the **works** as the **contractor** may deem necessary

**Carried to Collection**

R

Preliminaries  
Bill No. 1  
Preliminaries

- (b) The **contractor** shall at all times proceed immediately to remove or dispose of any debris arising from damage to or destruction of the **works** and to rebuild, restore, replace and/or repair the **works**
- (c) The **employer** shall carry the risk of damage to or destruction of the **works** and materials paid for by the **employer** that is the result of the excepted risks as set out in 10.6
- (d) Where the **employer** bears the risk in terms of this contract, the **contractor** shall, if requested to do so, reinstate any damage or destroyed portions of the **works** and the costs of such reinstatement shall be measured and valued in terms of 32.0 hereof

**10.6 Injury to Persons or loss of or damage to Properties**

- (a) The **contractor** shall be liable for and hereby indemnifies the **employer** against any liability, loss, claim or proceeding whether arising in common law or by statute, consequent upon personal injuries to or the death of any person whomsoever arising out of or in the course of or caused by the execution of the **works** unless due to any act or negligence of any person for whose actions the **employer** is legally liable
- (b) The **contractor** shall be liable for and hereby indemnifies the **employer** against any liability, loss, claim or proceeding consequent upon loss of or damage to any moveable or immovable or personal property or property contiguous to the **site**, whether belonging to or under the control of the **employer** or any other body or person, arising out of or in the course of or by reason of the execution of the **works** unless due to any act or negligence of any person for whose actions the **employer** is legally liable

**Carried to Collection**

Preliminaries  
 Bill No. 1  
 Preliminaries

R

- (c) The **contractor** shall, upon receiving a **contract instruction** from the **principal agent**, cause the same to be made good in a perfect and workmanlike manner at his own cost and in default thereof the **employer** shall be entitled to cause it to be made good and to recover the cost thereof from the **contractor** or to deduct the same from amounts due to the **contractor**
- (d) The **contractor** shall be responsible for the protection and safety of such portions of the premises placed under his control by the **employer** for the purpose of executing the **works** until the issue of the **certificate of practical completion**
- (e) Where the execution of the **works** involves the risk of removal of or interference with support to adjoining properties including land or structures or any structures to be altered or added to, the **contractor** shall obtain adequate insurance and will remain adequately insured or insured to the specific limit stated in the contract against the death of or injury to persons or damage to such property consequent on such removal or interference with the support until such portion of the **works** has been completed
- (f) The **contractor** shall at all times proceed immediately at his own cost to remove or dispose of any debris and to rebuild, restore, replace and/or repair such property and to execute the **works**

**10.7 High risk insurance**

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

**Carried to Collection**

Preliminaries  
 Bill No. 1  
 Preliminaries

R

**10.7.1 Damage to the works**

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

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

**10.7.2 Injury to persons or loss of or damage to property**

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

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

**10.7.3** It is the responsibility of the **contractor** to ensure that he has adequate insurance to cover his risk and liability as mentioned in 10.7.1 and 10.7.2. Without limiting the **contractor's** obligations in terms of the contract, the **contractor** shall, within twenty-one (21) **calendar days** of the **commencement date** but before commencement of the **works**, submit to the **employer** proof of such insurance policy, if requested to do so

**Carried to Collection**

Preliminaries  
 Bill No. 1  
 Preliminaries

R

**10.7.4** The **employer** shall be entitled to recover any and all losses and/or damages of whatever nature suffered or incurred consequent upon the **contractor's** default of his obligations as set out in 10.7.1; 10.7.2 and 10.7.3. Such losses or damages may be recovered from the **contractor** or by deducting the same from any amounts still due under this contract or under any other contract presently or hereafter existing between the **employer** and the **contractor** and for this purpose all these contracts shall be considered one indivisible whole

Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time related: \_\_\_\_\_

Item

**11 A11.0 LIABILITY INSURANCES**

Clause 11.0

Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time related: \_\_\_\_\_

Item

**12 A12.0 EFFECTING INSURANCES**

Clause 12.0

Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time related: \_\_\_\_\_

Item

**13 A13.0 No clause**

N/A

**14 A14.0 SECURITY**

Clause 14.0

Clauses 14.1 - 14.8 are amended by replacing them with the following:

14.1 In respect of contracts with a **contract sum** up to R1 million, the **security** to be provided by the **contractor** to the **employer** will be a payment reduction of five per cent (5%) of the value certified in the **payment certificate** (excluding VAT)

14.1.1 The payment reduction of the value certified in a **payment certificate** shall be *mutatis mutandi* in terms of 31.8(A)

**Carried to Collection**

R

Preliminaries  
Bill No. 1  
Preliminaries

14.1.2 The **employer** shall be entitled to recover expense and loss from the payment reduction in terms of 33.0 provided that the **employer** complies with the provisions of 33.4 in which event the **employer's** entitlement shall take precedence over his obligations to refund the payment reduction **security** or portions thereof to the **contractor**

14.2 In respect of contracts with a **contract sum** above R1 million, the **contractor** shall have the right to select the **security** to be provided in terms of 14.3, 14.4, 14.5, 14.6, or 14.7 as stated in the **schedule**. Such **security** shall be provided to the **employer** within twenty-one (21) **calendar days** from **commencement date**. Should the **contractor** fail to select the **security** to be provided or should the **contractor** fail to provide the **employer** with the selected **security** within twenty-one (21) **calendar days** from **commencement date**, the **security** in terms of 14.7 shall be deemed to have been selected

14.3 Where **security** as a cash deposit of ten per cent (10%) of the **contract sum** (excluding VAT) has been selected:

14.3.1 The **contractor** shall furnish the **employer** with a cash deposit equal in value to ten per cent (10%) of the **contract sum** (excluding VAT) within twenty-one (21) **calendar days** from **commencement date**

14.3.2 Within twenty-one (21) **calendar days** of the date of **practical completion** of the **works** the **employer** shall reduce the cash deposit to an amount equal to three per cent (3%) of the **contract value** (excluding VAT), and refund the balance to the **contractor**

14.3.3 Within twenty-one (21) **calendar days** of the date of **final completion** of the **works** the **employer** shall reduce the cash deposit to an amount equal to one per cent (1%) of the **contract value** (excluding VAT) and refund the balance to the **contractor**

14.3.4 On the date of payment of the amount in the final **payment certificate**, the **employer** shall refund the remainder of the cash deposit to the **contractor**

**Carried to Collection**

Preliminaries  
Bill No. 1  
Preliminaries

R

14.3.5 The **employer** shall be entitled to recover expense and loss from the cash deposit in terms of 33.0 provided that the **employer** complies with the provisions of 33.4 in which event the **employer's** entitlement shall take precedence over his obligations to refund the cash deposit **security** or portions thereof to the **contractor**

14.3.6 The parties expressly agree that neither the **employer** nor the **contractor** shall be entitled to cede the rights to the deposit to any third party

14.4 Where **security** as a variable **construction guarantee** of ten percent (10%) of the **contract sum** (excluding VAT) has been selected:

14.4.1 The **contractor** shall furnish the **employer** with an acceptable variable **construction guarantee** equal in value to ten per cent (10%) of the **contract sum** (excluding VAT) within twenty-one (21) **calendar days** from **commencement date**

14.4.2 The variable **construction guarantee** shall reduce and expire in terms of the Variable **Construction Guarantee** form included in the invitation to tender

14.4.3 The **employer** shall return the variable **construction guarantee** to the **contractor** within fourteen (14) **calendar days** of it expiring

14.4.4 Where the **employer** has a right of recovery against the **contractor** in terms of 33.0, the **employer** shall issue a written demand in terms of the variable **construction guarantee**

14.5 Where **security** as a fixed **construction guarantee** of five per cent (5%) of the **contract sum** (excluding VAT) and a five per cent (5%) payment reduction of the value certified in the **payment certificate** (excluding VAT) has been selected:

14.5.1 The **contractor** shall furnish a fixed **construction guarantee** to the **employer** equal in value to five per cent (5%) of the **contract sum** (excluding VAT)

14.5.2 The fixed **construction guarantee** shall come into force on the date of issue and shall expire on the date of the last certificate of **practical completion**

**Carried to Collection**

Preliminaries  
 Bill No. 1  
 Preliminaries

R

14.5.3 The **employer** shall return the fixed **construction guarantee** to the **contractor** within fourteen (14) **calendar days** of it expiring

14.5.4 The payment reduction of the value certified in a **payment certificate** shall be in terms of 31.8 (A) and 34.8

14.5.5 Where the **employer** has a right of recovery against the **contractor** in terms of 33.0, the **employer** shall be entitled to issue a written demand in terms of the fixed **construction guarantee** or may recover from the payment reduction or may do both

14.6 Where **security** as a cash deposit of five per cent (5%) of the **contract sum** (excluding VAT) and a payment reduction of five per cent (5%) of the value certified in the **payment certificate** (excluding VAT) has been selected:

14.6.1 The **contractor** shall furnish the **employer** with a cash deposit equal in value to five per cent (5%) of the **contract sum** (excluding VAT) within twenty-one (21) **calendar days** from **commencement date**

14.6.2 Within twenty-one (21) **calendar days** of the date of **practical completion** of the **works** the **employer** shall refund the cash deposit in total to the **contractor**

14.6.3 The payment reduction of the value certified in a **payment certificate** shall be *mutatis mutandi* in terms of 31.8(A)

14.6.4 Where the **employer** has a right of recovery against the **contractor** in terms of 33.0, the **employer** may issue a written notice in terms of 33.4 or may recover from the payment reduction or may do both

14.7 Where **security** as a payment reduction of ten per cent (10%) of the value certified in the **payment certificate** (excluding VAT) has been selected:

14.7.1 The payment reduction of the value certified in a **payment certificate** shall be *mutatis mutandi* in terms of 31.8(B)

**Carried to Collection**

Preliminaries  
 Bill No. 1  
 Preliminaries

R

14.7.2 The **employer** shall be entitled to recover expense and loss from the payment reduction in terms of 33.0 provided that the **employer** complies with the provisions of 33.4 in which event the **employer's** entitlement shall take precedence over his obligations to refund the payment reduction or portions thereof to the **contractor**

14.8 Payments made by the guarantor to the **employer** in terms of the fixed or variable **construction guarantee** shall not prejudice the rights of the **employer** or **contractor** in terms of this **agreement**

14.9 Should the **contractor** fail to furnish the **security** in terms of 14.2, the **employer**, in his sole discretion and without notification to the **contractor**, is entitled to change the **contractor's** selected form of **security** to that of a ten per cent (10%) payment reduction of the value certified in the **payment certificate** (excluding VAT), whereafter 14.7 shall be applicable

Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time related: \_\_\_\_\_

Item

**EXECUTION**

15 **A15.0 PREPARATION FOR AND EXECUTION OF THE WORKS**

Clause 15.0

Clause 15.1.1 is amended by replacing it with:

No clause

Clause 15.1.2 is amended by replacing it with:

The **security** selected in terms of 14.0

Clause 15.1 is amended by the addition of the following clause:

15.1.4 An acceptable health and safety plan, required in terms of the Occupational Health and Safety Act, 1993 (Act 85 of 1993), within twenty-one (21) **calendar days** of **commencement date**

Clause 15.2.1 is amended by replacing it with the following clause:

**Carried to Collection**

R

Preliminaries  
 Bill No. 1  
 Preliminaries

Give the **contractor** possession of the **site** within ten (10) **working days** of the **contractor** complying with the terms of 15.1.4

Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time related: \_\_\_\_\_

Item

16 **A16.0 ACCESS TO THE WORKS**

Clause 16.0

Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time related: \_\_\_\_\_

Item

17 **A17.0 CONTRACT INSTRUCTIONS**

Clause 17.0

Clause 17.1.11 is amended by deleting the words "and the appointment of **nominated** and **selected subcontractors**"

Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time related: \_\_\_\_\_

Item

18 **A18.0 SETTING OUT OF THE WORKS**

Clause 18.0

Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time related: \_\_\_\_\_

Item

19 **A19.0 ASSIGNMENT**

Clause 19.0

Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time related: \_\_\_\_\_

Item

**Carried to Collection**

R

Preliminaries  
Bill No. 1  
Preliminaries

20 **A20.0 NOMINATED SUBCONTRACTORS**

Clause 20.0

Clause 20.1.3 is amended by replacing it with the following:

No clause

Note: See item B9.1 hereinafter for adjustment of attendance on **nominated subcontractors** executing work allowed for under provisional sums

Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time related: \_\_\_\_\_

Item

21 **A21.0 SELECTED SUBCONTRACTORS**

Clause 21.0

Clause 21 is amended by replacing it with:

No clause

Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time related: \_\_\_\_\_

Item

22 **A22.0 EMPLOYER'S DIRECT CONTRACTORS**

Clause 22.0

Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time related: \_\_\_\_\_

Item

23 **A23.0 CONTRACTOR'S DOMESTIC SUBCONTRACTORS**

Clause 23.0

Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time related: \_\_\_\_\_

Item

**COMPLETION**

24 **A24.0 PRACTICAL COMPLETION**

Clause 24.0

Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time related: \_\_\_\_\_

Item

**Carried to Collection**

R

Preliminaries  
Bill No. 1  
Preliminaries

25 **A25.0 WORKS COMPLETION**  
 Clause 25.0  
 Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time  
 related: \_\_\_\_\_

Item

26 **A26.0 FINAL COMPLETION**  
 Clause 26.0  
 Clause 26.1.2 is amended by inserting "#" next to 26.1.2  
 Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time  
 related: \_\_\_\_\_

Item

27 **A27.0 LATENT DEFECTS LIABILITY PERIOD**  
 Clause 27.0  
 Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time  
 related: \_\_\_\_\_

Item

28 **A28.0 SECTIONAL COMPLETION**  
 Clause 28.0  
 Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time  
 related: \_\_\_\_\_

Item

29 **A29.0 REVISION OF DATE FOR PRACTICAL  
 COMPLETION**  
 Clause 29.0  
 Clause 29.2.5 is amended by replacing it with:  
 No clause  
 Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time  
 related: \_\_\_\_\_

Item

30 **A30.0 PENALTY FOR NON-COMPLETION**  
 Clause 30.0  
 Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time  
 related: \_\_\_\_\_

Item

**Carried to Collection**

R

Preliminaries  
 Bill No. 1  
 Preliminaries

**PAYMENT**

31 **A31.0 INTERIM PAYMENT TO THE CONTRACTOR**

Clause 31.0

Clause 31.5.2 is amended by replacing "14.7.1" with "14.0"

Clause 31.8 is amended by replacing it with the following two alternative clauses:

**Alternative A**

31.8(A) Where a **security** is selected in terms of 14.1; 14.5 or 14.6, the value of the **works** in terms of 31.4.1 and **materials and goods** in terms of 31.4.2 shall be certified in full. The value certified shall be subject to the following percentage adjustments:

31.8(A).1 Ninety-five per cent (95%) of such value in interim **payment certificates** issued up to the date of **practical completion**

31.8(A).2 Ninety-seven per cent (97%) of such value in interim **payment certificates** issued on the date of **practical completion** and up to but excluding the date of **final completion**

31.8(A).3 Ninety-nine per cent (99%) of such value in interim **payment certificates** issued on the date of **final completion** and up to but excluding the final **payment certificate** in terms of 34.6

31.8(A).4 One hundred per cent (100%) of such value in the final **payment certificate** in terms of 34.6 except where the amount certified is in favour of the **employer**. In such an event the payment reduction shall remain at the adjustment level applicable to the final **payment certificate**

**Alternative B**

31.8(B) Where **security** as a payment reduction in terms of 14.7 has been selected, the value of the **works** in terms of 31.4.1 and **materials and goods** in terms of 31.4.2 shall be certified in full. The value certified shall be subject to the following percentage adjustments:

**Carried to Collection**

Preliminaries  
Bill No. 1  
Preliminaries

R

31.8(B).1 Ninety per cent (90%) of such value in interim **payment certificates** issued up to the date of **practical completion**

31.8(B).2 Ninety-seven per cent (97%) of such value in interim **payment certificates** issued on the date of **practical completion** and up to but excluding the date of **final completion**

31.8(B).3 Ninety-nine per cent (99%) of such value in interim **payment certificates** issued on the date of **final completion** and up to but excluding the final **payment certificate** in terms of 34.6

31.8(B).4 One hundred per cent (100%) of such value in the final **payment certificate** in terms of 34.6 except where the amount certified is in favour of the **employer**. In such an event the payment reduction shall remain at the adjustment level applicable to the final **payment certificate**

Clause 31.12 is amended by deleting the following:

Payment shall be subject to the **employer** giving the **contractor** a tax invoice for the amount due

Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time related: \_\_\_\_\_

Item

32 **A32.0 ADJUSTMENT TO THE CONTRACT VALUE**

Clause 32.0

Clauses 32.5.1, 32.5.4 and 32.5.7 are amended by the addition of the following at the end of the sentence:

"due to no fault of the **contractor**"

Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time related: \_\_\_\_\_

Item

33 **A33.0 RECOVERY OF EXPENSE AND LOSS**

Clause 33.0

Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time related: \_\_\_\_\_

Item

**Carried to Collection**

R

Preliminaries  
Bill No. 1  
Preliminaries

34 **A34.0 FINAL ACCOUNT AND FINAL PAYMENT**

Clause 34.0

Clause 34.1 is amended by removing "#" next to 34.1

Clause 34.2 is amended by inserting "#" next to 34.2

Clause 34.8 is amended by deleting the words "where **security** as a fixed **construction guarantee** in terms of 14.4 has been selected or where payment reduction has been applied in terms of 14.7.1"

Clause 34.13 is amended by replacing "seven (7) **calendar days**" with "twenty-one (21) **calendar days**" and deleting the words "subject to the **employer** giving the **contractor** a tax invoice for the amount due"

Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time related: \_\_\_\_\_

Item

35 **A35.0 PAYMENT TO OTHER PARTIES**

Clause 35.0

Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time related: \_\_\_\_\_

Item

**Carried to Collection**

R

Preliminaries  
Bill No. 1  
Preliminaries

**CANCELLATION**

36 **A36.0 CANCELLATION BY EMPLOYER - CONTRACTOR'S DEFAULT**

Clause 36.0

Clause 36.1 is amended by the addition of the following clauses:

36.1.3 refuses or neglects to comply strictly with any of the conditions of contract

36.1.4 estate being sequestrated, liquidated or surrendered in terms of the insolvency laws in force within the Republic of South Africa

36.1.5 in the judgement of the **employer**, has engaged in **corrupt** or **fraudulent practices** in competing for or in executing the contract

Clause 36.3 is amended by removing the reference to "No clause" and replacing the words "**principal agent**" with "**employer**"

Clause 36.0 is amended by the addition of the following clause:

36.7 Notwithstanding any clause to the contrary, on cancellation of this **agreement** either by the **employer** or the **contractor**; or for any reason whatsoever, the **contractor** shall on written instruction, discontinue with the **works** on a date stated and withdraw himself from the **site**. The **contractor** shall not be entitled to refuse to withdraw from the **works** on the grounds of any lien or right of retention or on the grounds of any other right whatsoever

Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time related: \_\_\_\_\_

Item

37 **A37.0 CANCELLATION BY EMPLOYER - LOSS AND DAMAGE**

Clause 37.0

Clause 37.3.5 is amended by replacing "ninety (90)" with "one hundred and twenty (120)"

**Carried to Collection**

R

Preliminaries  
Bill No. 1  
Preliminaries

Clause 37.0 is amended by the addition of the following clause:

37.5 Notwithstanding any clause to the contrary, on cancellation of this **agreement** either by the **employer** or the **contractor**; or for any reason whatsoever, the **contractor** shall on written instruction, discontinue with the **works** on a date stated and withdraw himself from the **site**. The **contractor** shall not be entitled to refuse to withdraw from the **works** on the grounds of any lien or right of retention or on the grounds of any other right whatsoever

Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time related: \_\_\_\_\_

38

**A38.0 CANCELLATION BY CONTRACTOR - EMPLOYER'S DEFAULT**

Clause 38.0

Clause 38.5.4 is amended by replacing "ninety (90)" with "one hundred and twenty (120)"

Clause 38.0 is amended by the addition of the following clause:

38.7 Notwithstanding any clause to the contrary, on cancellation of this **agreement** either by the **employer** or the **contractor**; or for any reason whatsoever, the **contractor** shall on written instruction, discontinue with the **works** on a date stated and withdraw himself from the **site**. The **contractor** shall not be entitled to refuse to withdraw from the **works** on the grounds of any lien or right of retention or on the grounds of any other right whatsoever

Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time related: \_\_\_\_\_

Item

Item

**Carried to Collection**

R

Preliminaries  
Bill No. 1  
Preliminaries

39 **A39.0 CANCELLATION - CESSATION OF THE WORKS**

Clause 39.0

Clause 39.3.5 is amended by the addition of the following at the end of the sentence:

"within one hundred and twenty (120) **working days** of completion of such a report"

Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time related: \_\_\_\_\_

Item

**DISPUTE**

40 **A40.0 DISPUTE SETTLEMENT**

Clause 40.0

Clause 40.2.2 is amended by replacing "one (1) year" with "three (3) years"

Clause 40.6 is amended by removing the reference to:

No clause

Clause 40.7.1 is amended by replacing "(10)" with "(15)" and by the addition of the following:

Whether or not mediation resolves the dispute, the parties shall bear their own costs concerning the mediation and equally share the costs of the **mediator** and related costs

Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time related: \_\_\_\_\_

Item

**SUBSTITUTE PROVISIONS**

41 **A41.0 STATE CLAUSES**

Clause 41.0

Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time related: \_\_\_\_\_

Item

**Carried to Collection**

R

Preliminaries  
Bill No. 1  
Preliminaries

**CONTRACT VARIABLES**

42 **A42.0 THE SCHEDULE (DPW-04EC)**

Clause 42.0

Tenderers are referred to the Contract Data DPW-04(EC) for variables pertaining to this contract

Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time related: \_\_\_\_\_

Item

**SECTION B: JBCC PRELIMINARIES**

**B1.0 DEFINITIONS AND INTERPRETATION**

43 **B1.1 Definitions and interpretation**

See also clause A1.0 of Section A for additional and/or amended definitions which shall apply equally to this Section

Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time related: \_\_\_\_\_

Item

**B2.0 DOCUMENTS**

44 **B2.1 Checking of documents**

Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time related: \_\_\_\_\_

Item

45 **B2.2 Provisional bills of quantities**

Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time related: \_\_\_\_\_

Item

46 **B2.3 Availability of construction documentation**

Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time related: \_\_\_\_\_

Item

47 **B2.4 Interests of agents**

Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time related: \_\_\_\_\_

Item

**Carried to Collection**

R

Preliminaries  
Bill No. 1  
Preliminaries

48 **B2.5 Priced documents**  
Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time  
related: \_\_\_\_\_

Item

49 **B2.6 Tender submission**  
Clause 2.6 is amended by replacing "JBCC Form of  
Tender" with "Form of Offer and Acceptance DPW-  
07(EC)"  
Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time  
related: \_\_\_\_\_

Item

**B3.0 THE SITE**

50 **B3.1 Defined works area**  
Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time  
related: \_\_\_\_\_

Item

51 **B3.2 Geotechnical investigation**  
Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time  
related: \_\_\_\_\_

Item

52 **B3.3 Inspection of the site**  
Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time  
related: \_\_\_\_\_

Item

53 **B3.4 Existing premises occupied**  
Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time  
related: \_\_\_\_\_

Item

54 **B3.5 Previous work - dimensional accuracy**  
Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time  
related: \_\_\_\_\_

Item

55 **B3.6 Previous work - defects**  
Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time  
related: \_\_\_\_\_

Item

56 **B3.7 Services - known**  
Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time  
related: \_\_\_\_\_

Item

**Carried to Collection**

R

Preliminaries  
Bill No. 1  
Preliminaries

57 **B3.8 Services - unknown**  
Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time  
related: \_\_\_\_\_

Item

58 **B3.9 Protection of trees**  
Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time  
related: \_\_\_\_\_

Item

59 **B3.10 Articles of value**  
Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time  
related: \_\_\_\_\_

Item

60 **B3.11 Inspection of adjoining properties**  
Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time  
related: \_\_\_\_\_

Item

**B4.0 MANAGEMENT OF CONTRACT**

61 **B4.1 Management of the works**  
Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time  
related: \_\_\_\_\_

Item

62 **B4.2 Programme for the works**  
Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time  
related: \_\_\_\_\_

Item

63 **B4.3 Progress meetings**  
Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time  
related: \_\_\_\_\_

Item

64 **B4.4 Technical meetings**  
Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time  
related: \_\_\_\_\_

Item

65 **B4.5 Labour and plant records**  
Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time  
related: \_\_\_\_\_

Item

**Carried to Collection**

R

Preliminaries  
Bill No. 1  
Preliminaries

**B5.0 SAMPLES, SHOP DRAWINGS AND MANUFACTURERS' INSTRUCTIONS**

66 **B5.1 Samples of materials**  
Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time related: \_\_\_\_\_

Item

67 **B5.2 Workmanship samples**  
Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time related: \_\_\_\_\_

Item

68 **B5.3 Shop drawings**  
Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time related: \_\_\_\_\_

Item

69 **B5.4 Compliance with manufacturers' instructions**  
Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time related: \_\_\_\_\_

Item

**B6.0 TEMPORARY WORKS AND PLANT**

70 **B6.1 Deposits and fees**  
Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time related: \_\_\_\_\_

Item

71 **B6.2 Enclosure of the works**  
Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time related: \_\_\_\_\_

Item

72 **B6.3 Advertising**  
Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time related: \_\_\_\_\_

Item

73 **B6.4 Plant, equipment, sheds and offices**  
Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time related: \_\_\_\_\_

Item

74 **B6.5 Main notice board**  
Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time related: \_\_\_\_\_

Item

**Carried to Collection**

R

Preliminaries  
Bill No. 1  
Preliminaries

75 **B6.6 Subcontractors' notice board**  
Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time  
related: \_\_\_\_\_

Item

**B7.0 TEMPORARY SERVICES**

76 **B7.1 Location**  
Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time  
related: \_\_\_\_\_

Item

77 **B7.2 Water**  
Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time  
related: \_\_\_\_\_

Item

78 **B7.3 Electricity**  
Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time  
related: \_\_\_\_\_

Item

79 **B7.4 Telecommunication facilities**  
Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time  
related: \_\_\_\_\_

Item

80 **B7.5 Ablution facilities**  
Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time  
related: \_\_\_\_\_

Item

**B8.0 PRIME COST AMOUNTS**

81 **B8.1 Responsibility for prime cost amounts**  
Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time  
related: \_\_\_\_\_

Item

**B9.0 ATTENDANCE ON N/S  
SUBCONTRACTORS**

82 **B9.1 General attendance**  
Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time  
related: \_\_\_\_\_

Item

**Carried to Collection**

R

Preliminaries  
Bill No. 1  
Preliminaries

83 **B9.2 Special attendance**  
Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time  
related: \_\_\_\_\_

Item

84 **B9.3 Commissioning - fuel, water and electricity**  
Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time  
related: \_\_\_\_\_

Item

**B10.0 FINANCIAL ASPECTS**

85 **B10.1 Statutory taxes, duties and levies**  
Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time  
related: \_\_\_\_\_

Item

86 **B10.2 Payment for preliminaries**  
Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time  
related: \_\_\_\_\_

Item

87 **B10.3 Adjustment of preliminaries**  
  
Clauses B10.3.1 and B10.3.2 are amended by replacing  
"within fifteen (15) **working days** of taking possession  
of the **site**" with "when submitting his priced **bills of  
quantities / lump sum document**"  
  
Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time  
related: \_\_\_\_\_

Item

88 **B10.4 Payment certificate cash flow**  
Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time  
related: \_\_\_\_\_

Item

**B11.0 GENERAL**

89 **B11.1 Protection of the works**  
Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time  
related: \_\_\_\_\_

Item

90 **B11.2 Protection / isolation of existing / sectionally  
occupied works**  
Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time  
related: \_\_\_\_\_

Item

**Carried to Collection**

R

Preliminaries  
Bill No. 1  
Preliminaries

91	<b>B11.3 Security of the works</b> Fixed: _____ Value related: _____ Time related: _____	Item	
92	<b>B11.4 Notice before covering work</b> Fixed: _____ Value related: _____ Time related: _____	Item	
93	<b>B11.5 Disturbance</b> Fixed: _____ Value related: _____ Time related: _____	Item	
94	<b>B11.6 Environmental disturbance</b> Fixed: _____ Value related: _____ Time related: _____	Item	
95	<b>B11.7 Works cleaning and clearing</b> Fixed: _____ Value related: _____ Time related: _____	Item	
96	<b>B11.8 Vermin</b> Fixed: _____ Value related: _____ Time related: _____	Item	
97	<b>B11.9 Overhand work</b> Fixed: _____ Value related: _____ Time related: _____	Item	
98	<b>B11.10 Instruction manuals and guarantees</b> Fixed: _____ Value related: _____ Time related: _____	Item	
99	<b>B11.11 As built information</b> Fixed: _____ Value related: _____ Time related: _____	Item	
100	<b>B11.12 Tenant installations</b> Fixed: _____ Value related: _____ Time related: _____	Item	
	<b>Carried to Collection</b>		R
	Preliminaries Bill No. 1 Preliminaries		

**B12.0 SCHEDULE OF VARIABLES**

101

***B12.1 Schedule of variables***

Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time related: \_\_\_\_\_

Item

This **schedule** contains all variables referred to in 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 these **Preliminaries**

Spaces requiring information must be filled in, shown as "not applicable" or deleted and 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

**12.1 PRE-TENDER INFORMATION**

**12.1.1 Provisional bills of quantities**

[2.2] The quantities are provisional  
YES/NO

**12.1.2 Availability of construction documentation**

[2.3] *Construction documentation is complete*  
YES/NO

**12.1.3 Interests of agents**

[2.4] Details:

**12.1.4 Defined works area**

[3.1] Details:

**12.1.5 Geotechnical investigation**

[3.2] Details:

**12.1.6 Existing premises occupied**

[3.4] Specific requirements:

**Carried to Collection**

R

Preliminaries  
Bill No. 1  
Preliminaries

12.1.7 **Previous work - dimensional accuracy**  
[3.5] Details:

12.1.8 **Previous work - defects**  
[3.6] Details:

12.1.9 **Services - known**  
[3.7] Details:

12.1.10 **Protection of trees**  
[3.9] Specific requirements:

12.1.11 **Inspection of adjoining properties**  
[3.11] Specific requirements:

12.1.12 **Enclosure of the works**  
[6.2] Specific requirements:

12.1.13 **Offices**  
[6.4.3] Specific requirements:  
The **contractor** shall provide, maintain and remove on completion of the works an office for the exclusive use of the **principal agent**, minimum size 4 x 3 x 3m high internally, suitably insulated and ventilated, provided with electric lighting and fitted with boarded floor, desk, chair, drawing stool, drawing board and lock-up drawers for drawings. The office shall be kept clean and fit for use at all times

**Carried to Collection**

Preliminaries  
Bill No. 1  
Preliminaries

R

12.1.14 **Main notice board**

[6.5] Specific requirements:  
The **contractor** shall provide, erect where directed, maintain and remove on completion of the **works** a notice board size 3 x 3m as type Drawing GEN 063, constructed of suitable boarding with flat smooth surface and with edging bead 19mm thick round outer edges and projecting 12mm from face of boarding and rounded on front edge. The board shall be securely fixed to hoarding, where hoarding is provided, or fixed to and including a suitable supporting structure of timber or tubular posts and braces. The board is to be painted ivory white and the bead and 12mm wide dividing lines dark green. All wording shall be inscribed in dark green as per the coat of arms for SA. All wording shall be inscribed in dark green painted sans serif lettering

12.1.15 **Subcontractors' notice board**

[6.6] A notice board is required  
YES/NO  
Specific requirements:

12.1.16 **Water**

[7.2] Option A (by **contractor**)  
YES/NO  
  
Option B (by **employer** - free of charge)  
YES/NO  
  
Option C (by **employer** - metered)  
YES/NO

12.1.17 **Electricity**

[7.3] Option A (by **contractor**)  
YES/NO  
  
Option B (by **employer** - free of charge)  
YES/NO  
  
Option C (by **employer** - metered)  
YES/NO

**Carried to Collection**

Preliminaries  
Bill No. 1  
Preliminaries

R

12.1.18 **Telecommunications**  
 [7.4] Telephone YES/NO  
 Facsimile YES/NO  
 E-mail YES/NO

12.1.19 **Ablution facilities**  
 [7.5] Option A (by **contractor**) YES/NO  
 Option B (by **employer**) YES/NO

12.1.20 **Protection of existing/sectionally occupied works**  
 [11.2] Protection is required YES/NO

12.1.21 **Special attendance**  
 [9.2] **Subcontractor** (1) details:  
**Subcontractor** (2) details:  
**Subcontractor** (3) details:  
**Subcontractor** (4) details:

12.1.22 **Protection of the works**  
 [11.1] Specific requirements:

12.1.23 **Disturbance**  
 [11.5] Specific requirements:  
 The **contractor** shall keep the site, structures, etc well watered during operations to prevent dust and shall provide and erect and remove on completion of the **works** all necessary temporary dust screens all to the satisfaction of the **principal agent**

**Carried to Collection**

Preliminaries  
 Bill No. 1  
 Preliminaries

R

12.1.24 **Environmental disturbance**  
[11.6] Specific requirements:

**12.2 POST-TENDER INFORMATION**

12.2.1 **Payment of preliminaries**  
[10.2] Option A (prorated)  
YES/NO

Option B (calculated)  
YES/NO

12.2.2 **Adjustment of preliminaries**  
[10.3] Option A (three categories)  
YES/NO

Option B (detailed breakdown)  
YES/NO

12.2.3 **Additional agreed preliminaries items**  
Details:

**SECTION C: SPECIFIC PRELIMINARIES**

**Section C** contains specific preliminary items which apply to this contract except where N/A (Not Applicable) appears against an item

**Carried to Collection**

Preliminaries  
Bill No. 1  
Preliminaries

R

102 **C1.0 CONTRACT DRAWINGS**

\* *Select relevant paragraph and delete whichever is not applicable depending on whether the contract is based on a **bills of quantities** or **lump sum document***

\* The drawings issued with the tender documents do not comprise the complete set but serve as a guide only for tendering purposes and for indicating the scope of the work to enable the tenderer to acquaint himself with the nature and extent of the **works** and the manner in which they are to be executed

\* A full set of drawings is issued with the tender documents indicating the full scope of the work to enable the tenderer to acquaint himself 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 understood by the tenderer he shall, before submitting his tender, obtain clarification in writing from the **principal agent**

Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_  
Time related: \_\_\_\_\_

Item

103 **C2.0 GENERAL PREAMBLES**

The document "Specification of Materials and Methods to be used (PW371)" is obtainable on the Department's website (<http://www.publicworks.gov.za/> under "Consultants Guidelines"), and shall be read in conjunction with the **bills of quantities / lump sum document** and be referred to for the full descriptions of work to be done and materials to be used

Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_  
Time related: \_\_\_\_\_

Item

**Carried to Collection**

R

Preliminaries  
Bill No. 1  
Preliminaries

104 **C3.0 TRADE NAMES**

Wherever a trade name for any product has been described in the **bills of quantities / lump sum document**, 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

If prior written approval for an alternative product is not obtained, the product described shall be deemed to have been tendered for

Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_  
Time related: \_\_\_\_\_

Item

105 **C4.0 IMPORTED MATERIALS AND EQUIPMENT**

Where imported items are listed in the tender documents, the tenderer shall provide all the information called for, failing which the price of any such item, materials or equipment shall be excluded from currency fluctuations. (refer to Schedule of Imported Materials and Equipment DPW-23(EC) to be completed by tenderer)

Notwithstanding any provisions elsewhere regarding the adjustment of contract prices, the price of any item, material or equipment listed in terms of this clause shall be excluded from the Contract Price Adjustment Provisions (if applicable)

Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_  
Time related: \_\_\_\_\_

Item

106 **C5.0 VIEWING THE SITE IN SECURITY AREAS**

The **site** is situated in a security area and the tenderer must arrange with the unit commander or other responsible officer to obtain permission to enter the **site** for tendering purposes

Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_  
Time related: \_\_\_\_\_

Item

**Carried to Collection**

R

Preliminaries  
Bill No. 1  
Preliminaries

107 **C6.0 COMMENCEMENT OF WORKS IN SECURITY AREAS**

As the **works** falls within a security area the **contractor** must give the unit commander or other responsible officer notice 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

Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_  
Time related: \_\_\_\_\_

Item

108 **C7.0 ENTRANCE PERMITS TO SECURITY AREAS**

As the **works** falls 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 the control of the Defence Force, Police or chief security officer

Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_  
Time related: \_\_\_\_\_

Item

109 **C8.0 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**

Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_  
Time related: \_\_\_\_\_

Item

**Carried to Collection**

R

Preliminaries  
Bill No. 1  
Preliminaries

110 **C9.0 PROHIBITION ON TAKING OF 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 of photographs except when authorized 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

Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_  
Time related: \_\_\_\_\_

Item

111 **C10.0 HIV/AIDS AWARENESS**

It is required of the **contractor** to thoroughly study the HIV/AIDS Specification (PW 1544) of the Department that must be read together with and is deemed to be incorporated under this Section of the **bills of quantities / lump sum document**. Provision for pricing of HIV/AIDS awareness is made under items C10.1 to C10.5 hereafter and it is explicitly pointed out that all requirements of the aforementioned specification are deemed to be priced hereunder, as the said items represent the only method of measurement and no additional items or extras to the contract in this regard shall be entertained

The **contractor** must take note that compliance with the HIV/AIDS Specification is compulsory. In the event of partial or total non-compliance, the **principal agent**, notwithstanding the provisions of clause A 31.0 of Section A or any other clause to the contrary, reserves the right to delay issuing any progress **payment certificate** until the **contractor** provides satisfactory proof of compliance. The **contractor** shall not be entitled to any compensation of whatsoever nature, including interest, due to such delay of payment

**Carried to Collection**

R

Preliminaries  
Bill No. 1  
Preliminaries

**C10.1 AWARENESS CHAMPION**

Selection, appointment, briefing and making available of an Awareness Champion including provision of all relevant services, all in accordance with the HIV/AIDS Specification

Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_  
Time related: \_\_\_\_\_

Item

**C10.2 AWARENESS WORKSHOPS**

Selection and appointment of a competent Service Provider approved by the **principal agent**, provision of a Service Provider Workshop Plan and a suitable venue, conducting of awareness workshops by means of traditional and/or modern multi-media techniques, including follow-up courses, making available all tuition material and performing assessment procedures, all in accordance with the HIV/AIDS Specification

Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_  
Time related: \_\_\_\_\_

Item

**C10.3 POSTERS, BOOKLETS, VIDEOS, ETC.**

Provision, displaying, maintaining and replacing when necessary of four plastic laminated posters, booklets and educational videos, etc. for the duration of the **construction period**, all in accordance with the HIV/AIDS Specification

Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_  
Time related: \_\_\_\_\_

Item

**C10.4 ACCESS TO CONDOMS**

Provision and maintenance of condom dispensers fixed in position, including male and female condoms, replenishing male and female condoms on a daily basis as required for the duration of the **construction period**, all in accordance with the HIV/AIDS Specification

Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_  
Time related: \_\_\_\_\_

Item

**Carried to Collection**

R

Preliminaries  
Bill No. 1  
Preliminaries

**C10.5 MONITORING**

Monitoring HIV/AIDS awareness of workers, providing the **principal agent** with access to information including making available all reports, thoroughly completed and reflecting the correct information, for the duration of the **construction period** and close out, all in accordance with the HIV/AIDS Specification

Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_  
Time related: \_\_\_\_\_

Item

112 **C11.0 OCCUPATIONAL HEALTH AND SAFETY ACT**

The **contractor** shall comply with all the requirements set out in the Construction Regulations, 2003 issued under the Occupational Health and Safety Act, 1993 (Act No 85 of 1993)

It is required of the **contractor** to thoroughly study the Health and Safety Specification that must be read together with and is deemed to be incorporated under this Section of the **bills of quantities / lump sum document**

The **contractor** must take note that compliance with the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is compulsory. In the event of partial or total non-compliance, the **principal agent**, notwithstanding the provisions of clause A31.0 of Section A or any other clause to the contrary, reserves the right to delay issuing any progress **payment certificate** until the **contractor** provides satisfactory proof of compliance. The **contractor** shall not be entitled to any compensation of whatsoever nature, including interest, due to such delay of payment

Provision for pricing of the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is made under this clause and it is explicitly pointed out that all requirements of the aforementioned are deemed to be priced hereunder and no additional claims in this regard shall be entertained

Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_  
Time related: \_\_\_\_\_

Item

113 **\*\*\* Page Feed \*\*\***

Item

**Carried to Collection**

R

Preliminaries  
Bill No. 1  
Preliminaries

**Mzuvele High School  
General Repairs and Renovations**

Bill No. 1

Preliminaries

**COLLECTION**

Total Brought Forward from Page No.

**Page  
No**

**Amount**

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

**Carried Forward**

R

Preliminaries  
Bill No. 1  
Preliminaries

**Mzuvele High School  
General Repairs and Renovations**

Bill No. 1  
Preliminaries  
**COLLECTION**

	Page No	Amount
<b>Brought Forward</b>		R
Total Brought Forward from Page No.	22	
	23	
	24	
	25	
	26	
	27	
	28	
	29	
	30	
	31	
	32	
	33	
	34	
	35	
	36	
	37	
	38	
	39	
	40	
<b>Carried to Final Summary</b>		R
Preliminaries Bill No. 1 Preliminaries		

Item No		Quantity	Rate	Amount
	<p><b><u>BILL NO. 1</u></b></p> <p><b><u>ALTERATIONS (PROVISIONAL)</u></b></p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><u>View site</u></p> <p>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</p> <p><u>Explosives</u></p> <p>No explosives whatsoever may be used for demolition purposes unless otherwise stated</p> <p><u>General</u></p> <p>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</p> <p>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</p>			
	<b>Carried to Collection</b>		R	
	Block A - Administration Block Bill No. 1 Alterations (Provisional)			

Doors, fanlights, fittings, frames, linings, etc which are to be re-used shall be thoroughly overhauled before refixing including taking off, easing and rehangng, 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 re-varnishing 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

Making good of finishes shall include making good of the brick and concrete surfaces onto which the new finishes are applied, where necessary

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)

Damage to existing finishes

The Contractor will be held responsible for all damage, however caused, to existing finishes and fittings etc. and he must make good all damage at his own expense to the approval of the Principal Agent.

Breaking down, demolition and alteration activities and tasks, hacking off of existing plaster, etc. is to be executed with care so as to prevent damage to remaining floor and wall surfaces and finishes (where these are to be retained). Tenders will be deemed to include allowance for any necessary protection of existing surfaces and structures as may be necessary to effect the above, as the cost of repairing damage to existing surfaces and structures will be solely for the Contractors account.

**Carried to Collection**

Block A - Administration Block  
Bill No. 1  
Alterations (Provisional)

R

Removal of materials

Where removal is included in the heading, sub-heading or item description, prices shall be deemed to include for the necessary costs in removal and appropriate disposal of materials including but not limited to labour, transportation and disposal costs. No further claims in this regard will be entertained.

Removal of asbestos material

The removal of asbestos shall be carried out strictly by a certified entity, registered in accordance with the Occupational Health and Safety Act and the Asbestos Regulation.

Asbestos in all forms/building elements that is to be removed, shall be carried out in strict accordance with aforementioned regulation, and a certificate issued by the entity as contemplated in the above, shall be provided per block for the removal thereof, where the term block shall in this context refer to any single, free standing building structure, regardless of size or purpose.

Corresponding disposal certificates shall be issued by the facility at which the asbestos is disposed of, with said facility to, prior to the disposal of any asbestos material provide satisfactory proof that the facility is duly registered and fully compliant in terms of the act, to receive the asbestos material.

Under no circumstances is the contractor nor any of his duly authorised representatives to sell and/or give away asbestos material to any member/s of the school community, the community in general or the public at large. Should this be found to be occurring, the contractor will be held responsible contractually and may further be prosecuted criminally.

The cost for complying with the above, and all requirements of regulation as reflected above is to be priced for in the items for removal of asbestos material. No further claims in this regard will therefore be entertained.

**Carried to Collection**

Block A - Administration Block  
 Bill No. 1  
 Alterations (Provisional)

R

**REMOVAL OF EXISTING WORK**

<u>Breaking up and removing unreinforced concrete</u>			
1	Steps	m3	1
<u>Breaking up and removing unreinforced concrete</u>			
2	100mm Thick surface beds	m2	96
<u>Breaking down and removing brickwork etc</u>			
3	One brick walls	m2	2
<u>Taking out and removing doors, windows, etc., including thresholds, sills, etc. (building up openings and making good finishes elsewhere)</u>			
4	Timber single door not exceeding 2,5m <sup>2</sup>	No	28
5	Timber double door exceeding 2,5m <sup>2</sup> and not exceeding 5m <sup>2</sup>	No	1
6	Servicing of existing steel windows with new hinges, latches etc	No	24
<b><u>Note: Tenderers are referred to the foregoing supplementary preambles within this trade when pricing the following item (removal of asbestos)</u></b>			
<u>Taking down and removal of Asbestos by Specialist</u>			
7	Asbestos roof sheets, including all timber purlins, fixings, etc.	m2	411
<u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc</u>			
8	Timber rafters forming a double pitch roof on laminated timber beam apex (laminated timber beam elsewhere), including wall plates, timber supports and bracing on eaves	m	565
9	297 x 70mm Laminated timber beam at apex of gable roof	m	37
10	Barge boards	m	23

**Carried to Collection**

Block A - Administration Block  
Bill No. 1  
Alterations (Provisional)

R

**Mzuvele High School**  
**General Repairs and Renovations**

11	Fascia boards	m	74
12	Eaves gutters	m	74
13	Rainwater pipes	m	20
<u>Taking out and removing ironmongery</u>			
14	Remove existing pinning boards approximately 1200 x 1200mm high including fixings, etc., and cart off site	No	4
15	Remove existing pinning boards approximately 2400 x 1200mm high including fixings, etc., and cart off site	No	1
16	Remove existing chalkboards approximately 4800 x 1200mm high including fixings, etc., and cart off site	No	1
<u>Hacking up/off and removing ceramic tile floor and wall finishers including removing mortar bed or backing and preparing concrete or brick surfaces for new screed, plaster or tile finishers</u>			
17	Ceramic floor tiles	m2	230
<u>Hacking up/off and removing granolithic, screeds, plaster, etc from concrete or brickwork and preparing surfaces for new screed, plaster, tile finishes, etc</u>			
18	30mm Screed from floors	m2	316
19	Internal plaster from walls and columns	m2	147
<u>Taking out and removing piping, including cutting off as necessary, holderbats and making good floor and wall finishes (making good tiling and paintwork elsewhere)</u>			
20	PVC piping not exceeding 50mm diameter	m	30
21	PVC piping exceeding 100mm and not exceeding 200mm diameter	m	10
<u>Taking out and removing sanitary fittings, tanks, geysers, etc, including disconnecting from pipes, traps, etc and making good floor and wall finishes (making good tiling and paintwork elsewhere)</u>			
22	Vitreous china wash hand basin	No	8
23	Vitreous china WC pan with cistern and flush pipe	No	14

**Carried to Collection**

R

Block A - Administration Block  
Bill No. 1  
Alterations (Provisional)

**Mzuvele High School  
General Repairs and Renovations**

24	Stainless steel slab urinal including breaking up and removing concrete urinal step	No	1
	<u>Taking out/off and removing glass and mirrors</u>		
25	Glass from steel windows, including cleaning out rebates and preparing for new glass (new glass elsewhere)	m2	10
	<b><u>MAKING GOOD OF FINISHES, ETC</u></b>		
	<u>Cleaning brickwork</u>		
26	Acid cleaning internal face brickwork with high pressure cleaner and leave walls clean, in perfect condition	m2	281
	<b><u>MAKING GOOD OF EXISTING WORKS</u></b>		
27	Repairs to existing surface beds, including filling in cracks, with an approved filler, stitching as required, etc	m2	200

**Carried to Collection**

Block A - Administration Block  
Bill No. 1  
Alterations (Provisional)

R

**Mzuvele High School  
General Repairs and Renovations**

Bill No. 1

Alterations (Provisional)

**COLLECTION**

Total Brought Forward from Page No.

**Page  
No**

**Amount**

43  
44  
45  
46  
47  
48


**Carried Forward to Summary of Section No. 2**

Block A - Administration Block  
Bill No. 1  
Alterations (Provisional)

R


Item No		Quantity	Rate	Amount
	<b><u>BILL NO. 2</u></b>			
	<b><u>EARTHWORKS (PROVISIONAL)</u></b>			
	<b><u>EXCAVATION, FILLING, ETC OTHER THAN BULK</u></b>			
	<b><u>EXCAVATIONS, ETC</u></b>			
	<u>Excavation in earth not exceeding 2m deep</u>			
1	Holes	m3	1	
2	Thickening under surface beds, etc.	m3	12	
	<u>Extra over trench and hole excavations in earth for excavation in</u>			
3	Soft rock	m3	1	
4	Hard rock	m3	1	
	<u>Risk of collapse of excavations</u>			
5	Sides of trench and hole excavations not exceeding 1,5m deep	m2	43	
	<u>Compaction of surfaces</u>			
6	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 95% Mod AASHTO density	m2	92	
	<b><u>FILLING ETC</u></b>			
	<u>Earth filling obtained from the excavations and/or prescribed stock piles on site, compacted to 95% Mod AASHTO density</u>			
7	Backfilling to trenches, holes, etc	m3	2	
	<b>Carried to Collection</b>			R
	Block A - Administration Block			
	Bill No. 2			
	Earthworks (Provisional)			

**WEED KILLERS, INSECTICIDES, ETC**

Soil insecticide in accordance with SANS 5859

8 Under floors etc, including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming

m2

92

**Carried to Collection**

R

Block A - Administration Block  
Bill No. 2  
Earthworks (Provisional)

Bill No. 2

Earthworks (Provisional)

**COLLECTION**

Total Brought Forward from Page No.

**Page  
No**

50

51

**Amount**

**Carried Forward to Summary of Section No. 2**

Block A - Administration Block

Bill No. 2

Earthworks (Provisional)

R



**REINFORCED CONCRETE CAST ON/IN FORMWORK**

25MPa/19mm concrete

2	Surface beds on waterproofing	m3	12
---	-------------------------------	----	----

**TEST CUBES**

3	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	2
---	--	----	---

**CONCRETE SUNDRIES**

Finishing top surfaces of concrete smooth with a steel trowel

4	Surface beds, slabs, etc	m2	93
---	--------------------------	----	----

**ROUGH FORMWORK (DEGREE OF ACCURACY III)**

Rough formwork to sides

5	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	96
---	--	---	----

**REINFORCEMENT**

Fabric reinforcement

6	Type 193 fabric reinforcement in concrete surface beds etc	m2	92
---	--	----	----

**Carried to Collection**

Block A - Administration Block  
Bill No. 3  
Concrete, Formwork and Reinforcement (Provisional)

R

Bill No. 3

Concrete, Formwork and Reinforcement (Provisional)

**COLLECTION**

Total Brought Forward from Page No.

**Page  
No**

53

54

**Amount**

**Carried Forward to Summary of Section No. 2**

Block A - Administration Block

Bill No. 3

Concrete, Formwork and Reinforcement (Provisional)

R



Item No		Quantity	Rate	Amount
	<b><u>BILL NO. 5</u></b>			
	<b><u>ROOF COVERINGS (PROVISIONAL)</u></b>			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
	<b><u>Proprietary items or materials</u></b>			
	Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Head			
	<b><u>PROFILED METAL SHEETING AND ACCESSORIES</u></b>			
	<u>0.50mm - G550 AZ150, ColorPlus® Steel IBR with integral stiffening rib steel roof sheeting and accessories with ColorPlus® and ZincAL® finish on one side and protective primer coating on the reverse side fixed to timber purlins with equal spacing (timber purlins measured elsewhere)</u>			
1	Roof covering with pitches not exceeding 25 degrees	m2	411	
2	Ridge cappings 475mm girth	m	37	
	<b><u>ROOF AND WALL INSULATION</u></b>			
	<u>Multi-layered reinforced double-sided aluminium foil sheeting in accordance with SANS 1381-4 with a mass of not less than 293g/m<sup>2</sup> and a Class I fire rating in accordance with SANS 0177-3</u>			
3	Insulation sheeting laid taut over purlins (at approximately 1200mm centres) and fixed concurrent with roof covering with minimum 150mm stapled laps including galvanised steel straining wires at not exceeding 400mm centres and double-sided tape at edges where required	m2	411	
	<b>Carried Forward to Summary of Section No. 2</b>			R
	Block A - Administration Block			
	Bill No. 5			
	Roof Coverings (Provisional)			

Item No	Quantity	Rate	Amount
<p><b><u>BILL NO. 6</u></b></p>			
<p><b><u>CARPENTRY AND JOINERY (PROVISIONAL)</u></b></p>			
<p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p>			
<p><u>Fixing</u></p>			
<p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete</p>			
<p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere</p>			
<p><u>Joinery</u></p>			
<p>Descriptions of hardwood joinery shall be deemed to include sinking and pelleting heads and nuts of bolts</p>			
<p><b><u>ROOFS ETC</u></b></p>			
<p><b><u>PLATE NAILED TIMBER ROOF TRUSS CONSTRUCTION ETC</u></b></p>			
<p><u>SUPPLEMENTARY PREAMBLES</u></p>			
<p>Trusses are at maximum 1200mm centres</p>			
<p>Roof covering is 0.50mm - G550 AZ150, ColorPlus® Steel IBR with integral stiffening rib steel roof sheeting and accessories with ColorPlus® and ZincAL® finish on one side and protective primer coating on the reverse side fixed to timber purlins with equal spacing.</p>			
<p>Ceilings are 6,4mm rhinoboard on 38 x 38mm brandering</p>			
<p><b>Carried to Collection</b></p>			
<p>Block A - Administration Block Bill No. 6 Carpentry and Joinery (Provisional)</p>			
		R	

**Mzuvele High School  
General Repairs and Renovations**

	Dimensions in descriptions of trusses are nominal and actual measurements are to be obtained from the architect/engineer and/or taken on site before design or fabrication commences				
1	Supply and install prefabricated timber roof truss system complete and in accordance with the Standard Building Regulations. Truss spanning 8448 x 1700mm high overall with 700mm eaves projection on both sides	No	31		
	<u>Wrought laminated Saligna</u>				
2	297 x 70mm Beam bolted to brick piers	m	30		
	<u>Sawn softwood</u>				
3	38 x 114mm Wall plates	m	71		
4	50 x 76mm Purlins	m	515		
5	38 x 114mm Bracing	m	37		
	<u>Sundries</u>				
6	Wrought faces on sawn timbers	m2	58		
7	Two coats creosote on sawn timbers	m2	43		
	<b><u>EAVES, VERGES, ETC</u></b>				
	<u>Medium density plain fibre-cement fascias and barge boards</u>				
8	80 x 200mm Angle section barge boards including galvanised steel H-profile jointing strips and fix with hot dip galvanised screws and washers	m	21		
9	12 x 225mm Medium density fascia boards including galvanised H-profile jointing strips tied with and including hot dipped galvanised screws and washers	m	74		
	<b>Carried to Collection</b>				
	Block A - Administration Block				
	Bill No. 6				
	Carpentry and Joinery (Provisional)				
					R

**TIMBER DOORS, WINDOWS, ETC**

Wrought meranti doors hung to timber/steel frames

10	44mm Framed, ledged and braced batten door 813 x 2032mm high of 40 x110mm wide top rail and stiles, 20 x 150mm middle ledge and braces and 20 x 225mm bottom ledge, filled in with 22mm tongued and grooved V-jointed one side vertical boarding with tongued and grooved joints to top rail and stiles and with inner edges of framing and abutting edges of boarding chamfered to form V-joint	No	9
11	Ditto, but double door 1600 x 2032mm high with rebated meeting edges	No	1
<u>Semi-solid flush doors with commercial veneer suitable for painting</u>			
12	44mm Door 813 x 2032mm high	No	18

**Carried to Collection**

Block A - Administration Block  
Bill No. 6  
Carpentry and Joinery (Provisional)

R

Bill No. 6

Carpentry and Joinery (Provisional)

**COLLECTION**

Total Brought Forward from Page No.

**Page  
No**

58

59

60

**Amount**

**Carried Forward to Summary of Section No. 2**

Block A - Administration Block

Bill No. 6

Carpentry and Joinery (Provisional)

R

Item No	Quantity	Rate	Amount
<b><u>BILL NO. 7</u></b>			
<b><u>CEILING, PARTITIONS AND ACCESS FLOORING (PROVISIONAL)</u></b>			
<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
<u>Fixing</u>			
Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete			
Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere			
<u>Ceilings</u>			
Unless otherwise described ceilings shall be deemed to be horizontal			
<b><u>Proprietary items or materials</u></b>			
Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Head			
<b><u>NAILED-UP CEILINGS</u></b>			
<u>6,4mm Fibre-cement plain ceiling boards with H-profile galvanised steel jointing strips</u>			
1	Ceilings including 38 x 38mm sawn softwood bandering at 400mm centres	m2	230
2	Extra over ceiling for 600 x 600mm trap door of 38 x 38mm wrought softwood rebated framing with one cross brander, covered with ceiling board and fitted flush in opening, including necessary trimmers around	No	5
<u>Nucornice foam plastic cornices</u>			
3	75mm Coved cornices	m	191
<b>Carried Forward to Summary of Section No. 2</b>			R
Block A - Administration Block Bill No. 7 Ceilings, Partitions and Access Flooring (Provisional)			

Item No		Quantity	Rate	Amount
	<b><u>BILL NO. 8</u></b>			
	<b><u>FLOOR COVERINGS, WALL LININGS, ETC (PROVISIONAL)</u></b>			
	<b><u>FLOOR COVERINGS</u></b>			
	<u>300 x 300 x 2.5mm Semi flexible vinyl tiles</u>			
1	On floors	m2	173	
	<u>Vinyl skirtings, nosings, etc</u>			
2	70mm High vinyl skirting	m	138	
	<u>Ceramic floor tiles (PC sum R140.00/m<sup>2</sup> for supply and delivery, excluding labour, waste and VAT) fixed with adhesive to bedding and flush pointed with tinted jointing compound</u>			
3	On floors	m2	57	
4	70mm High cut tile skirting	m	105	
	<b><u>POLISH, SEALERS, ETC</u></b>			
5	Three coats wax polish on vinyl flooring	m2	217	
	<b>Carried Forward to Summary of Section No. 2</b>			
	Block A - Administration Block			
	Bill No. 8			
	Floor Coverings, Wall Linings, etc. (Provisional)			
				R

Item No	Quantity	Rate	Amount
<p><b><u>BILL NO. 9</u></b></p>			
<p><b><u>IRONMONGERY (PROVISIONAL)</u></b></p>			
<p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p>			
<p><u>Proprietary items</u></p>			
<p>Where applicable the manufacturers' names or product catalogue titles are given in sub-headings preceding the items</p>			
<p>Prices are to be based on the specific products/articles specified. If tenderers wish to offer alternative products/articles for certain items, these items are to be clearly marked and the alternative specification given with supporting brochures etc clarifying the features of the products/articles offered</p>			
<p>On request returnable samples are to be provided to the principal agent for consideration</p>			
<p><u>Finishes to ironmongery</u></p>			
<p>Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list:</p>			
<p>BS Satin bronze lacquered</p>			
<p>CH Chromium plated</p>			
<p>SC Satin chromium plated</p>			
<p>SE Silver enamelled</p>			
<p>GE Grey enamelled</p>			
<p>AN Anodised natural</p>			
<p>AS Anodised silver</p>			
<p>AB Anodised bronze</p>			
<p>AG Anodised gold</p>			
<p>ABL Anodised black</p>			
<p>PB Polished brass</p>			
<p>PL Polished and lacquered</p>			
<p>PT Epoxy coated</p>			
<p>SD Sanded</p>			
<p><b><u>Proprietary items or materials</u></b></p>			
<p>Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Head</p>			
<p><b>Carried to Collection</b></p>			
<p>Block A - Administration Block Bill No. 9 Ironmongery (Provisional)</p>			
			R

**HINGES, BOLTS, ETC**

Manufactured by "Union" or other equal and approved

1	100mm Aluminium butt hinge	No	56	
2	WC chrome plated indicator bolt	No	16	

**LOCKS**

Manufactured by "Union" or other equal and approved

3	Solid art 390/313 Four Lever mortice lockset with and including Satin Chrome Plated handles	No	14	
---	---	----	----	--

**LETTERS, NAMEPLATES, ETC**

Manufactured by "Union" or other equal and approved

4	150 x 150mm Anodised aluminium plate with male symbol	No	2	
5	150 x 150mm Anodised aluminium plate with female symbol	No	2	

**SUNDRIES**

Manufactured by "Union" or other equal and approved

6	38mm Diameter door stop plugged and screwed to floor with a 50mm long brass screw	No	29	
---	---	----	----	--

**Carried to Collection**

Block A - Administration Block  
Bill No. 9  
Ironmongery (Provisional)

R

**BATHROOM FITTINGS**

Manufactured by "Union" or other equal and approved

7	Toilet roll holder, plugged	No	14
---	-----------------------------	----	----

**PINNING BOARDS, WRITING BOARDS,  
PROJECTION SCREENS, ETC**

Manufactured by "Vitrex System" or other equal and approved

8	Standard green enamel megnatic chalkboard overall size 4800 x 1140mm high comprising two fixed panels, each 2400 x 1140mm high, with aluminium chalk rail plugged	No	2
---	---	----	---

9	Pinning board size 1200 x 1200mm high plugged	No	6
---	---	----	---

10	Pinning board size 2400 x 1200mm high plugged	No	2
----	---	----	---

**Carried to Collection**

Block A - Administration Block  
Bill No. 9  
Ironmongery (Provisional)

R

**Mzuvele High School  
General Repairs and Renovations**

Bill No. 9

Ironmongery (Provisional)

**COLLECTION**

Total Brought Forward from Page No.

**Page  
No**

64

65

66

**Amount**

**Carried Forward to Summary of Section No. 2**

Block A - Administration Block

Bill No. 9

Ironmongery (Provisional)

R

Item No		Quantity	Rate	Amount
	<b><u>BILL NO. 10</u></b>			
	<b><u>METALWORK (PROVISIONAL)</u></b>			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
	<u>Descriptions of bolts, anchors, etc</u>			
	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			
	Items described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described			
	<b><u>Proprietary items or materials</u></b>			
	Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Head			
	<b><u>GALVANISED STEEL GATES, SCREENS, ETC</u></b>			
	<u>Welded screens and gates</u>			
1	Single hot dipped galvanised mild steel gate, 980mm x 2032mm formed of 40 x 60 x 3mm hollow sectioned frames and midrail, filled in with 12mm solid square vertical bars at 110mm centres including all ironmongery to fix on wall and padlock set, etc.	No	9	
2	Double hot dipped galvanised mild steel gate, 1520mm x 2100mm formed of 40 x 60 x 3mm hollow sectioned frames and midrail, filled in with 12mm solid square vertical bars at 110mm centres including all ironmongery to fix on wall and padlock set, etc.	No	1	
	<b>Carried Forward to Summary of Section No. 2</b>			
	Block A - Administration Block			
	Bill No. 10			
	Metalwork (Provisional)			
			R	

Item No		Quantity	Rate	Amount
	<b><u>BILL NO. 11</u></b>			
	<b><u>PLASTERING (PROVISIONAL)</u></b>			
	<b><u>INTERNAL PLASTER</u></b>			
	<b><u>SCREEDS</u></b>			
	<u>Screeds steel trowelled, on concrete</u>			
1	30mm Thick on floors and landings	m2	316	
	<b><u>GRANOLITHIC</u></b>			
	<u>Untinted granolithic, on concrete</u>			
2	30mm Thick on floors and landings	m2	77	
	<u>Cement plaster steel trowelled, on brickwork</u>			
3	On walls	m2	540	
4	On narrow widths	m2	23	
	<b>Carried Forward to Summary of Section No. 2</b>			
	Block A - Administration Block			
	Bill No. 11			
	Plastering (Provisional)			
			R	

Item No	Quantity	Rate	Amount
<p><b><u>BILL NO. 12</u></b></p>			
<p><b><u>PLUMBING AND DRAINAGE (PROVISIONAL)</u></b></p>			
<p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p>			
<p><u>Wire gratings</u></p>			
<p>Descriptions of gutter outlets etc shall be deemed to include wire balloon gratings</p>			
<p><u>Stormwater channels</u></p>			
<p>Descriptions of channels shall be deemed to include necessary excavation, surface preparation, compaction, etc, and disposal of surplus material on site</p>			
<p><u>PVC-U pipes and fittings</u></p>			
<p>Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings</p>			
<p>Soil, waste and vent pipes and fittings shall be solvent weld jointed or sealed with butyl rubber rings</p>			
<p><u>Polypropylene pipes</u></p>			
<p>Polypropylene pipes 54mm diameter and smaller shall be seamless copper coloured Class 16 pipes jointed with heat welded thermoplastic or where so described compression fittings</p>			
<p>Pipes shall be firmly fixed to walls, etc with coloured nylon snap-in pipe clips with provision for accommodating thermal movement and jointed and fixed strictly in accordance with the manufacturer's instructions</p>			
<p><u>Fixing of pipes</u></p>			
<p>Unless specifically otherwise stated, descriptions of pipes shall be deemed to include fixing to walls, etc, casting in, building in or suspending not exceeding 1m below suspension level</p>			
<p><b>Carried to Collection</b></p>			
<p>Block A - Administration Block Bill No. 12 Plumbing and Drainage (Provisional)</p>			
			R

Laying, backfilling, bedding, etc of pipes

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

Where no manufacturers' instructions exist, pipes shall be laid in accordance with the relevant section of SANS 2001

General

Descriptions of cast iron roof outlets shall be deemed to include joints to pipes and casting into concrete (adaptors for joints to PVC pipes, etc are given separately)

Descriptions of overflow pipes where measured in number, shall be deemed to include joints to cisterns and splay cut ends

Descriptions of pipes laid in and including trenches and of inspection chambers, catchpits, etc shall be deemed to include excavation, bedding, backfilling, compaction to a minimum of 93% Mod AASHTO density and disposal of surplus material on site

Descriptions of service pipes and flexible connecting pipes shall be deemed to include connections to taps, cisterns, etc and to steel pipes (adaptors for connections to copper pipes, etc are given separately)

Descriptions of WC pans, slop hoppers, etc shall be deemed to include for joints to soil pipes (pan connectors are separately measured)

As-built drawings

Where required, the contractor shall prepare an updated set of as-built drawings. At completion of the contract the contractor shall hand these drawings to the principal agent for reproducing onto the originals for handing over to the employer (provision for allowance of as-built drawings elsewhere)

**Carried to Collection**

Block A - Administration Block  
Bill No. 12  
Plumbing and Drainage (Provisional)

R

French drains

Descriptions of french drains shall be deemed to include excavation, stone filling graded from 300mm diameter at bottom to 75mm diameter at top, geofabric filter blanket over stone, 300mm earthfilling over and disposal of surplus material on site

uPVC pipes and fittings

Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings

Soil, waste and vent pipes and fittings shall be solvent weld jointed or sealed with butyl rubber rings

**RAINWATER DISPOSAL**

Seamless aluminium prepainted gutters and rainwater pipes

1	150mm Half-round roof gutters with beaded front edge	m	74
2	100mm Diameter rainwater pipes	m	23
3	Extra over gutter for stopped end	No	4
4	Extra over gutter for outlet for 100mm pipe	No	4
5	Extra over rainwater pipe for bend	No	8
6	Extra over rainwater pipe for shoe	No	4

**Carried to Collection**

Block A - Administration Block  
Bill No. 12  
Plumbing and Drainage (Provisional)

R

**STORMWATER CHANNELS**

Earthworks

7	Excavate average 125mm deep in earth to form "V" drain profile	m3	12	
---	--	----	----	--

Concrete, Formwork and Reinforcing

25MPa/19mm Reinforced concrete to bottom and sides of "V" drain

8	"V" drains	m3	12	
---	------------	----	----	--

9	Finishing top surface of "V" drains smooth with a steel trowel to falls	m2	92	
---	---	----	----	--

10	Rough formwork (Degree of accuracy III) to edges, risers, ends and reveals not exceeding 300mm high or wide	m	96	
----	---	---	----	--

11	Type 193 fabric reinforcement in concrete surface beds etc	m2	92	
----	--	----	----	--

12	10 x 150mm Pre-compressed bitumen impregnated foam plastic joint sealing strips between brickwork and concrete	m	88	
----	--	---	----	--

**SANITARY FITTINGS**

"Vaal" or other equal and approved

13	455 x 290mm "Bantam" 7030 cloakroom basin bolted to wall	No	8	
----	--	----	---	--

14	"Hibiscus" 772602 close-coupled WC suite comprising pan with double flap heavy duty plastic seat and matching 9 litre cistern	No	14	
----	---	----	----	--

15	"Flatback" 705326 wall urinal with spreader, waste union, and FJT5.5 flushpipe (flush valve elsewhere)	No	4	
----	--	----	---	--

**Carried to Collection**

Block A - Administration Block  
Bill No. 12  
Plumbing and Drainage (Provisional)

R

**WASTE UNIONS ETC**

"Cobra Watertech" or other equal and approved

16	32mm 301 CP basin waste union	No	8	
----	-------------------------------	----	---	--

**TRAPS ETC**

17	75mm VA3.113 CP hinged urinal domical grating	No	4	
----	---	----	---	--

18	50mm 345 CP bottle trap	No	12	
----	-------------------------	----	----	--

**TAPS, VALVES, ETC**

"Cobra Watertech" or other equal and approved

19	15mm 1065-15CP fullway isolating ball valve	No	22	
----	---	----	----	--

20	15mm 111-15CP pillar tap	No	8	
----	--------------------------	----	---	--

21	FJ6.000CP "Flushmaster Junior" urinal flush valve	No	4	
----	---	----	---	--

**SANITARY PLUMBING**

uPVC soil and vent pipes

22	50mm Pipes	m	22	
----	------------	---	----	--

23	110mm Pipes	m	5	
----	-------------	---	---	--

Extra over uPVC soil and vent pipes for fittings

24	110mm Pan connector	No	14	
----	---------------------	----	----	--

25	50mm Bend	No	20	
----	-----------	----	----	--

26	110mm Bend	No	1	
----	------------	----	---	--

27	50mm Junction	No	4	
----	---------------	----	---	--

28	110mm Junction	No	1	
----	----------------	----	---	--

29	50mm Access bend	No	1	
----	------------------	----	---	--

30	110mm Access bend	No	1	
----	-------------------	----	---	--

31	50mm Access junction	No	1	
----	----------------------	----	---	--

**Carried to Collection**

Block A - Administration Block  
Bill No. 12  
Plumbing and Drainage (Provisional)

R

**WATER SUPPLIES**

Class 1 copper pipes with capillary couplings

32	15mm Pipes	m	25
----	------------	---	----

33	22mm Pipes	m	38
----	------------	---	----

Extra over Class 1 copper pipes for capillary fittings

34	15mm Fittings	No	15
----	---------------	----	----

35	22mm Fittings	No	20
----	---------------	----	----

Testing

36	Testing water pipe system		Item
----	---------------------------	--	------

**Carried to Collection**

Block A - Administration Block  
Bill No. 12  
Plumbing and Drainage (Provisional)

R

**Mzuvele High School  
General Repairs and Renovations**

Bill No. 12  
Plumbing and Drainage (Provisional)

**COLLECTION**

Total Brought Forward from Page No.

**Page  
No**  
70  
71  
72  
73  
74  
75

**Amount**


**Carried Forward to Summary of Section No. 2**

Block A - Administration Block  
Bill No. 12  
Plumbing and Drainage (Provisional)

R




**Mzuvele High School  
General Repairs and Renovations**

4	10A Single pole MCCB (5kA)	No	5		
	<b><u>CABLES</u></b>				
5	1.5mm <sup>2</sup> 3-Core	m	560		
6	2.5mm <sup>2</sup> 3-Core	m	250		
7	16mm <sup>2</sup> 3-Core	m	60		
	<b><u>Cable joints</u></b>				
8	1.5mm <sup>2</sup> 3-Core	No	2		
9	16mm <sup>2</sup> 3-Core	No	2		
	<b><u>Cable terminations</u></b>				
10	1.5mm <sup>2</sup> 3-Core	No	40		
11	2.5mm <sup>2</sup> 3-Core	No	40		
12	16mm <sup>2</sup> 3-Core	No	2		
	<b><u>EARTH CONDUCTORS</u></b>				
	<u>Bare copper earth conductors laid with cable in trenches or sleeve pipes and bonded to cables with plastic strapping at 2m centres</u>				
	<u>PVC insulated copper earth conductors laid with cables in trenches or sleeve pipes and bonded to cables with plastic strapping at 2m centres</u>				
13	6mm <sup>2</sup>	m	60		
	<b><u>SUNDRIES</u></b>				
14	Low tension room accessories comprising first aid kit, pair of rubber gloves and notices on door and inside the room complying with the Occupational Health and Safety Act, 1993	No	1		
	<b>Carried to Collection</b>				
	Block A - Administration Block Bill No. 13 Electrical work (Provisional)				R

**GENERAL LIGHTING AND POWER**

**CONDUITS ETC**

Rigid PVC conduits

15	20mm Diameter	m	810
----	---------------	---	-----

PVC conduit accessories

16	Round outlet box for 20mm conduit	No	81
----	-----------------------------------	----	----

17	Deep type (concrete type) round outlet box for 20mm conduit	No	81
----	---	----	----

18	Standard draw box for 20mm conduit	No	81
----	------------------------------------	----	----

19	50 x 100 x 50mm Outlet box	No	81
----	----------------------------	----	----

20	100 x 100 x 50mm Outlet box	No	81
----	-----------------------------	----	----

21	100 x 100 x 50mm Outlet box with blank cover plate	No	81
----	--	----	----

**CONDUCTORS**

Bare copper conductors drawn into conduit, trunking or power skirting

PVC insulated stranded copper conductors drawn into conduit, trunking or power skirting

Heat resistant silicon insulated stranded copper conductors drawn into conduit, trunking or power skirting

22	1.5mm <sup>2</sup>	m	290
----	--------------------	---	-----

**DRAW-WIRES**

23	Galvanised steel draw-wires drawn into conduit	m	290
----	--	---	-----

**LIGHT SWITCHES, SOCKET OUTLETS, ETC**

24	Flush mounted bell push button	No	1
----	--------------------------------	----	---

25	16A Flush mounted two lever one-way switch unit	No	12
----	---	----	----

26	16A Three pin flush mounted socket outlet with switch, single type	No	25
----	--	----	----

**Carried to Collection**

Block A - Administration Block  
Bill No. 13  
Electrical work (Provisional)

R

**Mzuvele High School  
General Repairs and Renovations**

**LUMINAIRES**

27	Lascon V1-100BC/C/Plas economy injection moulded polycarbonate luminaire with 100W GLS lamp	No	56	
----	---	----	----	--

**SUNDRIES**

28	Earthing of buildings			Item
----	-----------------------	--	--	------

29	Provision of as built drawings			Item
----	--------------------------------	--	--	------

30	Testing and commissioning the complete electrical installation			Item
----	--	--	--	------

**Carried to Collection**

Block A - Administration Block  
Bill No. 13  
Electrical work (Provisional)

R

**Mzuvele High School  
General Repairs and Renovations**

Bill No. 13

Electrical work (Provisional)

**COLLECTION**

Total Brought Forward from Page No.

**Page  
No**

77

78

79

80

**Amount**


**Carried Forward to Summary of Section No. 2**

Block A - Administration Block  
Bill No. 13  
Electrical work (Provisional)

R




Item No	Quantity	Rate	Amount
<p><b><u>BILL NO. 15</u></b></p> <p><b><u>PAINTWORK (PROVISIONAL)</u></b></p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><b><u>PREPARATORY WORK TO EXISTING WORK</u></b></p> <p><u>Previously painted plastered surfaces</u></p> <p>Surfaces shall be thoroughly washed down and allowed to dry completely before any paint is applied. Blistered or peeling paint shall be completely removed and cracks shall be opened, filled with a suitable filler and finished smooth</p> <p><u>Previously painted metal surfaces</u></p> <p>Surfaces shall be thoroughly rubbed and cleaned down. Blistered or peeling paint shall be completely removed down to bare metal</p> <p><u>Previously painted wood surfaces</u></p> <p>Surfaces shall be thoroughly cleaned down. Blistered or peeling paint shall be completely removed and cracks and crevices shall be primed, filled with suitable filler and finished smooth</p> <p><b><u>PAINT SPECIFICATIONS</u></b></p> <p>All painting shall be done in accordance with manufacturer's specifications unless otherwise described</p>			
<p><b>Carried to Collection</b></p>		R	
<p>Block A - Administration Block Bill No. 15 Paintwork (Provisional)</p>			

**PAINTWORK ETC TO NEW WORK**

Unless otherwise described paintwork on ceilings shall be deemed to be in the "White" colour group and paintwork on all other components shall be deemed to be in the "Pastel" colour group in accordance with the Natural Colour System (NCS) adopted by the SA National Standards

**ON INTERNAL FLOATED PLASTER SURFACES**

One coat alkali resistant primer, one universal undercoat and two coats quality Pva paint

1	Walls	m2	562
---	-------	----	-----

**ON PLASTERBOARD SURFACES**

One coat primer, one universal undercoat and two coats exterior quality "Cemote" pva paint

2	Ceilings and cornices	m2	230
---	-----------------------	----	-----

**ON FIBRE-CEMENT BOARD SURFACES**

Two coats extremely durable UV-resistant, washable pure acrylic emulsion sheen paint

3	Fascias and barge boards, including priming metal jointing strips	m2	48
---	---	----	----

**ON WOOD SURFACES**

One coat primer, one coat alkyd based universal undercoat and two coats superior quality universal enamel paint

4	Laminated beam	m2	22
5	Doors	m2	101

**Carried to Collection**

Block A - Administration Block  
Bill No. 15  
Paintwork (Provisional)

R

**PAINTWORK, ETC TO PREVIOUSLY PAINTED WORK**

**ON METAL SURFACES**

One coat alkyd based zinc phosphate primer and two coats premium quality polyurethane enamel paint, on steel

6	Windows	m2	69	
---	---------	----	----	--

**ON WOOD SURFACES**

Two coats oil wood primer

7	Backs of frames, linings, etc not exceeding 300mm wide	m	129	
---	--	---	-----	--

**Carried to Collection**

Block A - Administration Block  
Bill No. 15  
Paintwork (Provisional)

R

**Mzuvele High School  
General Repairs and Renovations**

Bill No. 15  
Paintwork (Provisional)

**COLLECTION**

Total Brought Forward from Page No.

**Page  
No**  
83  
84  
85

**Amount**


**Carried Forward to Summary of Section No. 2**

Block A - Administration Block  
Bill No. 15  
Paintwork (Provisional)

R


**SECTION SUMMARY - Block A - Administration Block**

Bill No		Page No	Amount
1	Alterations (Provisional)	49	
2	Earthworks (Provisional)	52	
3	Concrete, Formwork and Reinforcement (Provisional)	55	
4	Masonry (Provisional)	56	
5	Roof Coverings (Provisional)	57	
6	Carpentry and Joinery (Provisional)	61	
7	Ceilings, Partitions and Access Flooring (Provisional)	62	
8	Floor Coverings, Wall Linings, etc. (Provisional)	63	
9	Ironmongery (Provisional)	67	
10	Metalwork (Provisional)	68	
11	Plastering (Provisional)	69	
12	Plumbing and Drainage (Provisional)	76	
13	Electrical work (Provisional)	81	
14	Glazing (Provisional)	82	
15	Paintwork (Provisional)	86	
	<b>Carried to Final Summary</b>		
	Block A - Administration Block		R

Item No	Quantity	Rate	Amount
<p><b><u>BILL NO. 1</u></b></p>			
<p><b><u>ALTERATIONS (PROVISIONAL)</u></b></p>			
<p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p>			
<p><u>View site</u></p>			
<p>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</p>			
<p><u>Explosives</u></p>			
<p>No explosives whatsoever may be used for demolition purposes unless otherwise stated</p>			
<p><u>General</u></p>			
<p>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</p>			
<p>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</p>			
<p><b>Carried to Collection</b></p>			
<p>Block B - HOD Offices          Bill No. 1          Alterations (Provisional)</p>			
		R	

Doors, fanlights, fittings, frames, linings, etc which are to be re-used shall be thoroughly overhauled before refixing including taking off, easing and rehangng, 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 re-varnishing 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

Making good of finishes shall include making good of the brick and concrete surfaces onto which the new finishes are applied, where necessary

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)

Damage to existing finishes

The Contractor will be held responsible for all damage, however caused, to existing finishes and fittings etc. and he must make good all damage at his own expense to the approval of the Principal Agent.

Breaking down, demolition and alteration activities and tasks, hacking off of existing plaster, etc. is to be executed with care so as to prevent damage to remaining floor and wall surfaces and finishes (where these are to be retained). Tenders will be deemed to include allowance for any necessary protection of existing surfaces and structures as may be necessary to effect the above, as the cost of repairing damage to existing surfaces and structures will be solely for the Contractors account.

**Carried to Collection**

Block B - HOD Offices  
Bill No. 1  
Alterations (Provisional)

R

Removal of materials

Where removal is included in the heading, sub-heading or item description, prices shall be deemed to include for the necessary costs in removal and appropriate disposal of materials including but not limited to labour, transportation and disposal costs. No further claims in this regard will be entertained.

Removal of asbestos material

The removal of asbestos shall be carried out strictly by a certified entity, registered in accordance with the Occupational Health and Safety Act and the Asbestos Regulation.

Asbestos in all forms/building elements that is to be removed, shall be carried out in strict accordance with aforementioned regulation, and a certificate issued by the entity as contemplated in the above, shall be provided per block for the removal thereof, where the term block shall in this context refer to any single, free standing building structure, regardless of size or purpose.

Corresponding disposal certificates shall be issued by the facility at which the asbestos is disposed of, with said facility to, prior to the disposal of any asbestos material provide satisfactory proof that the facility is duly registered and fully compliant in terms of the act, to receive the asbestos material.

Under no circumstances is the contractor nor any of his duly authorised representatives to sell and/or give away asbestos material to any member/s of the school community, the community in general or the public at large. Should this be found to be occurring, the contractor will be held responsible contractually and may further be prosecuted criminally.

The cost for complying with the above, and all requirements of regulation as reflected above is to be priced for in the items for removal of asbestos material. No further claims in this regard will therefore be entertained.

**Carried to Collection**

Block B - HOD Offices  
 Bill No. 1  
 Alterations (Provisional)

R

**REMOVAL OF EXISTING WORK**

Taking out and removing doors, windows, etc., including thresholds, sills, etc. (building up openings and making good finishes elsewhere)

1	Timber single door not exceeding 2,5m <sup>2</sup>	No	4	
2	Servicing of existing aluminium window with new hinges, latches etc	No	4	

**Note: Tenderers are referred to the foregoing supplementary preambles within this trade when pricing the following item (removal of asbestos)**

Taking down and removal of Asbestos by Specialist

3	Asbestos roof sheets, including all timber purlins, fixings, etc.	m2	79	
---	---	----	----	--

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

4	Gypsum plasterboard ceilings, including timber brandering, cornices, etc	m2	47	
---	--	----	----	--

5	Timber rafters	m	65	
---	----------------	---	----	--

6	Wall plates	m	28	
---	-------------	---	----	--

7	Barge boards	m	25	
---	--------------	---	----	--

8	Fascia boards	m	15	
---	---------------	---	----	--

9	Eaves gutters	m	15	
---	---------------	---	----	--

10	Rainwater pipes	m	3	
----	-----------------	---	---	--

Taking out and removing ironmongery

11	Remove existing pinning boards approximately 1200 x 1200mm high including fixings, etc., and cart off site	No	4	
----	--	----	---	--

Taking out/off and removing sundry metalwork

12	Steel single leaf security gate not exceeding 2,5m <sup>2</sup>	No	4	
----	---	----	---	--

**Carried to Collection**

Block B - HOD Offices  
Bill No. 1  
Alterations (Provisional)

R



**Mzuvele High School  
General Repairs and Renovations**

Bill No. 1

Alterations (Provisional)

**COLLECTION**

Total Brought Forward from Page No.

**Page  
No**

**Amount**

88

89

90

91

92

**Carried Forward to Summary of Section No. 3**

Block B - HOD Offices  
Bill No. 1  
Alterations (Provisional)

R

Item No		Quantity	Rate	Amount
	<b><u>BILL NO. 2</u></b>			
	<b><u>EARTHWORKS (PROVISIONAL)</u></b>			
	<b><u>EXCAVATION, FILLING, ETC OTHER THAN BULK</u></b>			
	<b><u>EXCAVATIONS, ETC</u></b>			
1	Thickening under surface beds, etc.	m3	2	
	<u>Extra over trench and hole excavations in earth for excavation in</u>			
2	Soft rock	m3	1	
3	Hard rock	m3	1	
	<u>Risk of collapse of excavations</u>			
4	Sides of trench and hole excavations not exceeding 1,5m deep	m2	3	
	<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 95% Mod AASHTO density	m2	32	
	<b><u>WEED KILLERS, INSECTICIDES, ETC</u></b>			
	<u>Soil insecticide in accordance with SANS 5859</u>			
6	Under floors etc, including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m2	14	
	<b>Carried Forward to Summary of Section No. 3</b>			
	Block B - HOD Offices			
	Bill No. 2			
	Earthworks (Provisional)			
				R

Item No	Quantity	Rate	Amount
<p><b><u>BILL NO. 3</u></b></p> <p><b><u>CONCRETE, FORMWORK AND REINFORCEMENT (PROVISIONAL)</u></b></p>			
<p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p>			
<p><u>Cost of tests</u></p>			
<p>The costs of making, storing and testing of concrete test cubes as required under clause 7 "Tests" of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the principal agent. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval of the principal agent. (Test cubes are measured separately)</p>			
<p><u>Formwork</u></p>			
<p>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</p>			
<p>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"</p>			
<p><b>Carried to Collection</b></p>			
<p>Block B - HOD Offices Bill No. 3 Concrete, Formwork and Reinforcement (Provisional)</p>			
		R	

**REINFORCED CONCRETE CAST ON/IN FORMWORK**

25MPa/19mm concrete

1	Surface beds on waterproofing	m3	3
---	-------------------------------	----	---

**TEST CUBES**

2	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	1
---	--	----	---

**CONCRETE SUNDRIES**

Finishing top surfaces of concrete smooth with a steel trowel

3	Surface beds, slabs, etc	m2	14
---	--------------------------	----	----

**ROUGH FORMWORK (DEGREE OF ACCURACY III)**

Rough formwork to sides

4	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	16
---	--	---	----

**REINFORCEMENT**

Fabric reinforcement

5	Type 193 fabric reinforcement in concrete surface beds etc	m2	14
---	--	----	----

**Carried to Collection**

Block B - HOD Offices  
Bill No. 3  
Concrete, Formwork and Reinforcement (Provisional)

R

**Mzuvele High School  
General Repairs and Renovations**

Bill No. 3  
Concrete, Formwork and Reinforcement (Provisional)

**COLLECTION**

Total Brought Forward from Page No.

**Page  
No**  
95  
96

**Amount**

**Carried Forward to Summary of Section No. 3**  
Block B - HOD Offices  
Bill No. 3  
Concrete, Formwork and Reinforcement (Provisional)

R



Item No		Quantity	Rate	Amount
	<b><u>BILL NO. 5</u></b>			
	<b><u>ROOF COVERINGS (PROVISIONAL)</u></b>			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
	<b><u>Proprietary items or materials</u></b>			
	Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Head			
	<b><u>PROFILED METAL SHEETING AND ACCESSORIES</u></b>			
	<u>0.50mm - G550 AZ150, ColorPlus® Steel IBR with integral stiffening rib steel roof sheeting and accessories with ColorPlus® and ZincAL® finish on one side and protective primer coating on the reverse side fixed to timber purlins with equal spacing (timber purlins measured elsewhere)</u>			
1	Roof covering with pitches not exceeding 25 degrees	m2	47	
	<b><u>ROOF AND WALL INSULATION</u></b>			
	<u>Multi-layered reinforced double-sided aluminium foil sheeting in accordance with SANS 1381-4 with a mass of not less than 293g/m<sup>2</sup> and a Class I fire rating in accordance with SANS 0177-3</u>			
2	Insulation sheeting laid taut over purlins (at approximately 1200mm centres) and fixed concurrent with roof covering with minimum 150mm stapled laps including galvanised steel straining wires at not exceeding 400mm centres and double-sided tape at edges where required	m2	47	
	<b>Carried Forward to Summary of Section No. 3</b>			R
	Block B - HOD Offices			
	Bill No. 5			
	Roof Coverings (Provisional)			

Item No		Quantity	Rate	Amount
	<p><b><u>BILL NO. 6</u></b></p> <p><b><u>CARPENTRY AND JOINERY (PROVISIONAL)</u></b></p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><u>Fixing</u></p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete</p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere</p> <p><u>Joinery</u></p> <p>Descriptions of hardwood joinery shall be deemed to include sinking and pelleting heads and nuts of bolts</p> <p><b><u>ROOFS ETC</u></b></p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p>Rafters are at maximum 1200mm centres</p> <p>Roof covering is 0.50mm - G550 AZ150, ColorPlus® Steel IBR with integral stiffening rib steel roof sheeting and accessories with ColorPlus® and ZincAL® finish on one side and protective primer coating on the reverse side fixed to timber purlins with equal spacing.</p> <p>Ceilings are 6,4mm rhinoboard on 38 x 38mm brandering</p>			
1		m	65	
2	38 x 114mm Wall plates	m	28	
	<b>Carried to Collection</b>			R
	Block B - HOD Offices Bill No. 6 Carpentry and Joinery (Provisional)			

**Mzuvele High School  
General Repairs and Renovations**

3	50 x 76mm Purlins	m	126
	<u>Sundries</u>		
4	Wrought faces on sawn timbers	m2	5
5	Two coats creosote on sawn timbers	m2	5
	<b><u>EAVES, VERGES, ETC</u></b>		
	<u>Medium density plain fibre-cement fascias and barge boards</u>		
6	80 x 200mm Angle section barge boards including galvanised steel H-profile jointing strips and fix with hot dip galvanised screws and washers	m	25
7	12 x 225mm Medium density fascia boards including galvanised H-profile jointing strips tied with and including hot dipped galvanised screws and washers	m	15

**Carried to Collection**

Block B - HOD Offices  
Bill No. 6  
Carpentry and Joinery (Provisional)

R

**TIMBER DOORS, WINDOWS, ETC**

Wrought meranti doors hung to timber frames

8 44mm Framed, ledged and braced batten door 813 x 2032mm high of 40 x110mm wide top rail and stiles, 20 x 150mm middle ledge and braces and 20 x 225mm bottom ledge, filled in with 22mm tongued and grooved V-jointed one side vertical boarding with tongued and grooved joints to top rail and stiles and with inner edges of framing and abutting edges of boarding chamfered to form V-joint

No

4

**Carried to Collection**

R

Block B - HOD Offices  
Bill No. 6  
Carpentry and Joinery (Provisional)

Bill No. 6

Carpentry and Joinery (Provisional)

**COLLECTION**

Total Brought Forward from Page No.

**Page  
No**

100

101

102

**Amount**

**Carried Forward to Summary of Section No. 3**

Block B - HOD Offices  
Bill No. 6  
Carpentry and Joinery (Provisional)

R

Item No	Quantity	Rate	Amount
<b><u>BILL NO. 7</u></b>			
<b><u>CEILING, PARTITIONS AND ACCESS FLOORING (PROVISIONAL)</u></b>			
<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
<u>Fixing</u>			
Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete			
Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere			
<u>Ceilings</u>			
Unless otherwise described ceilings shall be deemed to be horizontal			
<b><u>Proprietary items or materials</u></b>			
Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Head			
<b><u>NAILED-UP CEILINGS</u></b>			
<u>6,4mm Fibre-cement plain ceiling boards with H-profile galvanised steel jointing strips</u>			
1	Ceilings including 38 x 38mm sawn softwood bandering at 400mm centres	m2	47
2	Extra over ceiling for 600 x 600mm trap door of 38 x 38mm wrought softwood rebated framing with one cross brander, covered with ceiling board and fitted flush in opening, including necessary trimmers around	No	1
<u>Nucornice foam plastic cornices</u>			
3	75mm Coved cornices	m	55
<b>Carried Forward to Summary of Section No. 3</b>			R
Block B - HOD Offices Bill No. 7 Ceilings, Partitions and Access Flooring (Provisional)			

Item No	Quantity	Rate	Amount
<p><b><u>BILL NO. 8</u></b></p>			
<p><b><u>IRONMONGERY (PROVISIONAL)</u></b></p>			
<p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p>			
<p><u>Proprietary items</u></p>			
<p>Where applicable the manufacturers' names or product catalogue titles are given in sub-headings preceding the items</p>			
<p>Prices are to be based on the specific products/articles specified. If tenderers wish to offer alternative products/articles for certain items, these items are to be clearly marked and the alternative specification given with supporting brochures etc clarifying the features of the products/articles offered</p>			
<p>On request returnable samples are to be provided to the principal agent for consideration</p>			
<p><u>Finishes to ironmongery</u></p>			
<p>Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list:</p>			
<p>BS Satin bronze lacquered</p>			
<p>CH Chromium plated</p>			
<p>SC Satin chromium plated</p>			
<p>SE Silver enamelled</p>			
<p>GE Grey enamelled</p>			
<p>AN Anodised natural</p>			
<p>AS Anodised silver</p>			
<p>AB Anodised bronze</p>			
<p>AG Anodised gold</p>			
<p>ABL Anodised black</p>			
<p>PB Polished brass</p>			
<p>PL Polished and lacquered</p>			
<p>PT Epoxy coated</p>			
<p>SD Sanded</p>			
<p><b><u>Proprietary items or materials</u></b></p>			
<p>Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Head</p>			
<p><b>Carried to Collection</b></p>			
<p>Block B - HOD Offices Bill No. 8 Ironmongery (Provisional)</p>			
			R

**HINGES, BOLTS, ETC**

"Union" or other equally approved

1	100mm Aluminium butt hinge	No	8	
---	----------------------------	----	---	--

**LOCKS**

Manufactured by "Union"

2	Solid art 390/313 Four Lever mortice lockset with and including Satin Chrome Plated handles	No	4	
---	---	----	---	--

**SUNDRIES**

Manufactured by "Union"

3	38mm Diameter door stop plugged and screwed to floor with a 50mm long brass screw	No	4	
---	---	----	---	--

**PINNING BOARDS, WRITING BOARDS,  
PROJECTION SCREENS, ETC**

Manufactured by "Vitrex System"

4	Pinning board approximately 1200 x 1200mm high	No	4	
---	--	----	---	--

**Carried to Collection**

Block B - HOD Offices  
Bill No. 8  
Ironmongery (Provisional)

R

**Mzuvele High School  
General Repairs and Renovations**

Bill No. 8

Ironmongery (Provisional)

**COLLECTION**

Total Brought Forward from Page No.

**Page  
No**

105

106

**Amount**

**Carried Forward to Summary of Section No. 3**

Block B - HOD Offices  
Bill No. 8  
Ironmongery (Provisional)

R

Item No		Quantity	Rate	Amount
	<b><u>BILL NO. 9</u></b>			
	<b><u>METALWORK (PROVISIONAL)</u></b>			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
	<u>Descriptions of bolts, anchors, etc</u>			
	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			
	Items described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described			
	<b><u>Proprietary items or materials</u></b>			
	Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Head			
	<b><u>GALVANISED STEEL GATES, SCREENS, ETC</u></b>			
	<u>Welded screens and gates</u>			
1	Single hot dipped galvanised mild steel gate, 980mm x 2032mm formed of 40 x 60 x 3mm hollow sectioned frames and midrail, filled in with 12mm solid square vertical bars at 110mm centres including all ironmongery to fix on wall and padlock set	No	4	
	<b>Carried Forward to Summary of Section No. 3</b>			R
	Block B - HOD Offices			
	Bill No. 9			
	Metalwork (Provisional)			





Item No	Quantity	Rate	Amount
<p><b><u>BILL NO. 12</u></b></p>			
<p><b><u>PLUMBING AND DRAINAGE (PROVISIONAL)</u></b></p>			
<p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p>			
<p><u>Wire gratings</u></p>			
<p>Descriptions of gutter outlets etc shall be deemed to include wire balloon gratings</p>			
<p><u>Stormwater channels</u></p>			
<p>Descriptions of channels shall be deemed to include necessary excavation, surface preparation, compaction, etc, and disposal of surplus material on site</p>			
<p><u>PVC-U pipes and fittings</u></p>			
<p>Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings</p>			
<p>Soil, waste and vent pipes and fittings shall be solvent weld jointed or sealed with butyl rubber rings</p>			
<p><u>Polypropylene pipes</u></p>			
<p>Polypropylene pipes 54mm diameter and smaller shall be seamless copper coloured Class 16 pipes jointed with heat welded thermoplastic or where so described compression fittings</p>			
<p>Pipes shall be firmly fixed to walls, etc with coloured nylon snap-in pipe clips with provision for accommodating thermal movement and jointed and fixed strictly in accordance with the manufacturer's instructions</p>			
<p><u>Fixing of pipes</u></p>			
<p>Unless specifically otherwise stated, descriptions of pipes shall be deemed to include fixing to walls, etc, casting in, building in or suspending not exceeding 1m below suspension level</p>			
<p><b>Carried to Collection</b></p>			
<p>Block B - HOD Offices Bill No. 12 Plumbing and Drainage (Provisional)</p>			
			R

Laying, backfilling, bedding, etc of pipes

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

Where no manufacturers' instructions exist, pipes shall be laid in accordance with the relevant section of SANS 2001

General

Descriptions of cast iron roof outlets shall be deemed to include joints to pipes and casting into concrete (adaptors for joints to PVC pipes, etc are given separately)

Descriptions of overflow pipes where measured in number, shall be deemed to include joints to cisterns and splay cut ends

Descriptions of pipes laid in and including trenches and of inspection chambers, catchpits, etc shall be deemed to include excavation, bedding, backfilling, compaction to a minimum of 93% Mod AASHTO density and disposal of surplus material on site

Descriptions of service pipes and flexible connecting pipes shall be deemed to include connections to taps, cisterns, etc and to steel pipes (adaptors for connections to copper pipes, etc are given separately)

Descriptions of WC pans, slop hoppers, etc shall be deemed to include for joints to soil pipes (pan connectors are separately measured)

As-built drawings

Where required, the contractor shall prepare an updated set of as-built drawings. At completion of the contract the contractor shall hand these drawings to the principal agent for reproducing onto the originals for handing over to the employer (provision for allowance of as-built drawings elsewhere)

**Carried to Collection**

Block B - HOD Offices  
 Bill No. 12  
 Plumbing and Drainage (Provisional)

R

French drains

Descriptions of french drains shall be deemed to include excavation, stone filling graded from 300mm diameter at bottom to 75mm diameter at top, geofabric filter blanket over stone, 300mm earthfilling over and disposal of surplus material on site

uPVC pipes and fittings

Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings

Soil, waste and vent pipes and fittings shall be solvent weld jointed or sealed with butyl rubber rings

**RAINWATER DISPOSAL**

Seamless aluminium prepainted gutters and rainwater pipes

1	150mm Half-round roof gutters with beaded front edge	m	14
2	100mm Diameter rainwater pipes	m	3
3	Extra over gutter for stopped end	No	2
4	Extra over gutter for outlet for 100mm pipe	No	1
5	Extra over rainwater pipe for bend	No	2
6	Extra over rainwater pipe for shoe	No	1

**Carried to Collection**

Block B - HOD Offices  
Bill No. 12  
Plumbing and Drainage (Provisional)

R

**STORMWATER CHANNELS**

Earthworks

7	Excavate average 125mm deep in earth to form "V" drain profile	m3	5
---	--	----	---

Concrete, Formwork and Reinforcing

25MPa/19mm Reinforced concrete to bottom and sides of "V" drain

8	"V" drains	m3	5
---	------------	----	---

9	Finishing top surface of "V" drains smooth with a steel trowel to falls	m2	41
---	---	----	----

10	Rough formwork (Degree of accuracy III) to edges, risers, ends and reveals not exceeding 300mm high or wide	m	45
----	---	---	----

11	Type 193 fabric reinforcement in concrete surface beds etc	m2	41
----	--	----	----

12	10 x 150mm Pre-compressed bitumen impregnated foam plastic joint sealing strips between brickwork and concrete	m	37
----	--	---	----

**Carried to Collection**

Block B - HOD Offices  
Bill No. 12  
Plumbing and Drainage (Provisional)

R

**Mzuvele High School  
General Repairs and Renovations**

Bill No. 12  
Plumbing and Drainage (Provisional)

**COLLECTION**

Total Brought Forward from Page No.

**Page  
No**

**Amount**

111  
112  
113  
114


**Carried Forward to Summary of Section No. 3**

Block B - HOD Offices  
Bill No. 12  
Plumbing and Drainage (Provisional)

R


Item No		Quantity	Rate	Amount
	<b><u>BILL NO. 13</u></b>			
	<b><u>ELECTRICAL WORK (PROVISIONAL)</u></b>			
	<b><u>BLOCK B</u></b>			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
	<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			
	<b><u>LOW TENSION DISTRIBUTION</u></b>			
	<b><u>DISTRIBUTION BOARD DB</u></b>			
1	Flush mounted distribution board in one section (uninterruptable power) with door, space for the following equipment and space for 6 additional circuit breakers, colour coded and installed in recess (elsewhere) in brick wall	No	1	
2	60A Triple pole isolator	No	1	
3	10A Single pole MCCB (5kA)	No	5	
	<b><u>CABLES</u></b>			
4	1.5mm <sup>2</sup> 3-Core	m	160	
	<b>Carried to Collection</b>			
	Block B - HOD Offices Bill No. 13 Electrical work (Provisional)			R



16	Deep type (concrete type) round outlet box for 20mm conduit	No	24
17	Standard draw box for 20mm conduit	No	24
18	50 x 100 x 50mm Outlet box	No	24
19	100 x 100 x 50mm Outlet box	No	24
20	100 x 100 x 50mm Outlet box with blank cover plate	No	24

**CONDUCTORS**

Bare copper conductors drawn into conduit, trunking or power skirting

PVC insulated stranded copper conductors drawn into conduit, trunking or power skirting

Heat resistant silicon insulated stranded copper conductors drawn into conduit, trunking or power skirting

21	1.5mm <sup>2</sup>	m	290
----	--------------------	---	-----

**DRAW-WIRES**

22	Galvanised steel draw-wires drawn into conduit	m	290
----	--	---	-----

**LIGHT SWITCHES, SOCKET OUTLETS, ETC**

23	Flush mounted bell push button	No	1
24	16A Flush mounted two lever one-way switch unit	No	6
25	16A Three pin flush mounted socket outlet with switch, single type	No	8

**LUMINAIRES**

26	Lascon V1-100BC/C/Plas economy injection moulded polycarbonate luminaire with 100W GLS lamp	No	16
----	---	----	----

**SUNDRIES**

27	Earthing of buildings		Item
28	Provision of as built drawings		Item

**Carried to Collection**

Block B - HOD Offices  
Bill No. 13  
Electrical work (Provisional)

R

29 Testing and commissioning the complete electrical installation

Item

**Carried to Collection**

Block B - HOD Offices  
Bill No. 13  
Electrical work (Provisional)

R

**Mzuvele High School  
General Repairs and Renovations**

Bill No. 13

Electrical work (Provisional)

**COLLECTION**

Total Brought Forward from Page No.

**Page  
No**

**Amount**

116

117

118

119

**Carried Forward to Summary of Section No. 3**

Block B - HOD Offices  
Bill No. 13  
Electrical work (Provisional)

R



Item No	Quantity	Rate	Amount
<p><b><u>BILL NO. 15</u></b></p>			
<p><b><u>PAINTWORK (PROVISIONAL)</u></b></p>			
<p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p>			
<p><b><u>PREPARATORY WORK TO EXISTING WORK</u></b></p>			
<p><u>Previously painted plastered surfaces</u></p>			
<p>Surfaces shall be thoroughly washed down and allowed to dry completely before any paint is applied. Blistered or peeling paint shall be completely removed and cracks shall be opened, filled with a suitable filler and finished smooth</p>			
<p><u>Previously painted metal surfaces</u></p>			
<p>Surfaces shall be thoroughly rubbed and cleaned down. Blistered or peeling paint shall be completely removed down to bare metal</p>			
<p><u>Previously painted wood surfaces</u></p>			
<p>Surfaces shall be thoroughly cleaned down. Blistered or peeling paint shall be completely removed and cracks and crevices shall be primed, filled with suitable filler and finished smooth</p>			
<p><b><u>PAINT SPECIFICATIONS</u></b></p>			
<p>All painting shall be done in accordance with manufacturer's specifications unless otherwise described</p>			
<p><b><u>COLOURS</u></b></p>			
<p>Unless otherwise described paintwork on ceilings shall be deemed to be in the "White" colour group and paintwork on all other components shall be deemed to be in the "Pastel" colour group in accordance with the Natural Colour System (NCS) adopted by the SA National Standards</p>			
<p><b>Carried to Collection</b></p>			
<p>Block B - HOD Offices Bill No. 15 Paintwork (Provisional)</p>			
		R	

**PAINTWORK ETC TO NEW WORK**

**ON INTERNAL FLOATED PLASTER SURFACES**

One coat alkali resistant primer, one universal undercoat and two coats quality Pva paint

1	Walls	m2	128
---	-------	----	-----

**ON PLASTERBOARD SURFACES**

One coat primer, one universal undercoat and two coats exterior quality "Cemote" pva paint

2	Ceilings and cornices	m2	47
---	-----------------------	----	----

**ON FIBRE-CEMENT BOARD SURFACES**

Two coats extremely durable UV-resistant, washable pure acrylic emulsion sheen paint

3	Fascias and barge boards, including priming metal jointing strips	m2	21
---	---	----	----

**ON WOOD SURFACES**

One coat primer, one coat alkyd based universal undercoat and two coats superior quality universal enamel paint

4	Doors	m2	14
---	-------	----	----

**PAINTWORK, ETC TO PREVIOUSLY PAINTED WORK**

**ON METAL SURFACES**

One coat alkyd based zinc phosphate primer and two coats premium quality polyurethane enamel paint, on steel

5	Door frame	m2	7
---	------------	----	---

**Carried to Collection**

Block B - HOD Offices  
Bill No. 15  
Paintwork (Provisional)

R

**Mzuvele High School  
General Repairs and Renovations**

Bill No. 15  
Paintwork (Provisional)

**COLLECTION**

Total Brought Forward from Page No.

**Page  
No**

122

123

**Amount**

**Carried Forward to Summary of Section No. 3**

Block B - HOD Offices  
Bill No. 15  
Paintwork (Provisional)

R

<b>Bill No</b>	<b><u>SECTION SUMMARY - Block B - HOD Offices</u></b>	<b>Page No</b>	<b>Amount</b>
1	Alterations (Provisional)	93	
2	Earthworks (Provisional)	94	
3	Concrete, Formwork and Reinforcement (Provisional)	97	
4	Masonry (Provisional)	98	
5	Roof Coverings (Provisional)	99	
6	Carpentry and Joinery (Provisional)	103	
7	Ceilings, Partitions and Access Flooring (Provisional)	104	
8	Ironmongery (Provisional)	107	
9	Metalwork (Provisional)	108	
10	Plastering (Provisional)	109	
11	Tiling (Provisional)	110	
12	Plumbing and Drainage (Provisional)	115	
13	Electrical work (Provisional)	120	
14	Glazing (Provisional)	121	
15	Paintwork (Provisional)	124	
	<b>Carried to Final Summary</b>		
	Block B - HOD Offices		R

Item No	Quantity	Rate	Amount
<p><b><u>BILL NO. 1</u></b></p>			
<p><b><u>ALTERATIONS (PROVISIONAL)</u></b></p>			
<p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p>			
<p><u>View site</u></p>			
<p>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</p>			
<p><u>Explosives</u></p>			
<p>No explosives whatsoever may be used for demolition purposes unless otherwise stated</p>			
<p><u>General</u></p>			
<p>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</p>			
<p>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</p>			
<p><b>Carried to Collection</b></p>			
<p>Block C - Typical 8 Classroom Block          Bill No. 1          Alterations (Provisional)</p>			
		R	

Doors, fanlights, fittings, frames, linings, etc which are to be re-used shall be thoroughly overhauled before refixing including taking off, easing and rehangng, 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 re-varnishing 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

Making good of finishes shall include making good of the brick and concrete surfaces onto which the new finishes are applied, where necessary

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)

Damage to existing finishes

The Contractor will be held responsible for all damage, however caused, to existing finishes and fittings etc. and he must make good all damage at his own expense to the approval of the Principal Agent.

Breaking down, demolition and alteration activities and tasks, hacking off of existing plaster, etc. is to be executed with care so as to prevent damage to remaining floor and wall surfaces and finishes (where these are to be retained). Tenders will be deemed to include allowance for any necessary protection of existing surfaces and structures as may be necessary to effect the above, as the cost of repairing damage to existing surfaces and structures will be solely for the Contractors account.

**Carried to Collection**

Block C - Typical 8 Classroom Block  
Bill No. 1  
Alterations (Provisional)

R

Removal of materials

Where removal is included in the heading, sub-heading or item description, prices shall be deemed to include for the necessary costs in removal and appropriate disposal of materials including but not limited to labour, transportation and disposal costs. No further claims in this regard will be entertained.

Removal of asbestos material

The removal of asbestos shall be carried out strictly by a certified entity, registered in accordance with the Occupational Health and Safety Act and the Asbestos Regulation.

Asbestos in all forms/building elements that is to be removed, shall be carried out in strict accordance with aforementioned regulation, and a certificate issued by the entity as contemplated in the above, shall be provided per block for the removal thereof, where the term block shall in this context refer to any single, free standing building structure, regardless of size or purpose.

Corresponding disposal certificates shall be issued by the facility at which the asbestos is disposed of, with said facility to, prior to the disposal of any asbestos material provide satisfactory proof that the facility is duly registered and fully compliant in terms of the act, to receive the asbestos material.

Under no circumstances is the contractor nor any of his duly authorised representatives to sell and/or give away asbestos material to any member/s of the school community, the community in general or the public at large. Should this be found to be occurring, the contractor will be held responsible contractually and may further be prosecuted criminally.

The cost for complying with the above, and all requirements of regulation as reflected above is to be priced for in the items for removal of asbestos material. No further claims in this regard will therefore be entertained.

**Carried to Collection**

Block C - Typical 8 Classroom Block  
Bill No. 1  
Alterations (Provisional)

R

<b><u>REMOVAL OF EXISTING WORK</u></b>			
<u>Breaking up and removing unreinforced concrete</u>			
1	Steps	m3	3
<u>Breaking up and removing unreinforced concrete</u>			
2	100mm Thick surface beds	m2	131
<u>Breaking down and removing brickwork etc</u>			
3	One brick walls	m2	8
<u>Taking out and removing doors, windows, etc., including thresholds, sills, etc. (building up openings and making good finishes elsewhere)</u>			
4	Timber single door not exceeding 2,5m <sup>2</sup>	No	7
5	Servicing of existing steel windows with new hinges, latches etc	No	40
<b><u>Note: Tenderers are referred to the foregoing supplementary preambles within this trade when pricing the following item (removal of asbestos)</u></b>			
<u>Taking down and removal of Asbestos by Specialist</u>			
6	Asbestos roof sheets, including all timber purlins, fixings, etc.	m2	644
<u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc</u>			
7	Timber roof structure of double pitched roof with two gable ends including wall plates, trusses and bracing	m2	644
8	Gypsum plasterboard ceilings, including timber brandering, cornices, etc	m2	346
9	Barge boards	m	23
10	Fascia boards	m	103
11	Eaves gutters	m	103
12	Rainwater pipes	m	41
<b>Carried to Collection</b>			
Block C - Typical 8 Classroom Block Bill No. 1 Alterations (Provisional)			R

	<u>Taking out and removing ironmongery</u>				
13	Remove existing pinning boards approximately 2400 x 1200mm high including fixings, etc., and cart off site	No	6		
14	Remove existing chalkboards approximately 4800 x 1200mm high including fixings, etc., and cart off site	No	6		
	<u>Taking out/off and removing sundry metalwork</u>				
15	Steel single leaf security gate not exceeding 2,5m <sup>2</sup>	No	7		
	<u>Hacking up/off and removing granolithic, screeds, plaster, etc from concrete or brickwork and preparing surfaces for new screed, plaster, tile finishes, etc</u>				
16	30mm Screed from floors	m2	66		
17	Internal plaster from walls and columns	m2	306		
	<u>Taking out/off and removing glass and mirrors</u>				
18	Glass from steel windows, including cleaning out rebates and preparing for new glass (new glass elsewhere)	m2	22		
	<b><u>MAKING GOOD OF FINISHES, ETC</u></b>				
	<u>Cleaning brickwork</u>				
19	Acid cleaning internal face brickwork at dado level with high pressure cleaner and leave walls clean, in perfect condition and re-apply two coats of clear gloss face brick sealer	m2	147		
20	Acid cleaning external face brickwork with high pressure cleaner and leave wall, clean in perfect condition	m2	307		
	<b><u>MAKING GOOD OF EXISTING WORKS</u></b>				
21	Repairs to existing surface beds, including filling in cracks, with an approved filler, stitching as required, etc	m2	22		
	<b><u>METAL STITCHING</u></b>				
22	Hacking up/off and removing plaster from walls, columns and beams	m2	75		
	<b>Carried to Collection</b>				
	Block C - Typical 8 Classroom Block				
	Bill No. 1				
	Alterations (Provisional)				
					R

**Mzuvele High School**  
**General Repairs and Renovations**

23	Chipout 40 x 10mm mortar joint between brickwork courses and clean out joint with an air compressor	m	375
24	19mm Diameter Thorhelical or similar approved helical bar inserted midway between structural cracks	m	375
25	Grout 40 x 10mm joint between brick courses	m	375
26	Internal plaster on walls	m2	75
27	One coat primer, one universal undercoat and two coats quality pva paint	m2	75

**Carried to Collection**

Block C - Typical 8 Classroom Block  
Bill No. 1  
Alterations (Provisional)

R

**Mzuvele High School  
General Repairs and Renovations**

Bill No. 1

Alterations (Provisional)

**COLLECTION**

Total Brought Forward from Page No.

**Page  
No**

**Amount**

126

127

128

129

130

131

**Carried Forward to Summary of Section No. 4**

Block C - Typical 8 Classroom Block  
Bill No. 1  
Alterations (Provisional)

R

Item No		Quantity	Rate	Amount
	<b><u>BILL NO. 2</u></b>			
	<b><u>EARTHWORKS (PROVISIONAL)</u></b>			
	<b><u>EXCAVATION, FILLING, ETC OTHER THAN BULK</u></b>			
	<b><u>EXCAVATIONS, ETC</u></b>			
	<u>Excavation in earth not exceeding 2m deep</u>			
1	Holes	m3	1	
2	Thickening under surface beds, etc.	m3	16	
	<u>Extra over trench and hole excavations in earth for excavation in</u>			
3	Soft rock	m3	2	
4	Hard rock	m3	1	
	<u>Risk of collapse of excavations</u>			
5	Sides of trench and hole excavations not exceeding 1,5m deep	m2	22	
	<u>Compaction of surfaces</u>			
6	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 95% Mod AASHTO density	m2	125	
	<b><u>FILLING ETC</u></b>			
	<u>Earth filling obtained from the excavations and/or prescribed stock piles on site, compacted to 95% Mod AASHTO density</u>			
7	Backfilling to trenches, holes, etc	m3	4	
	<b>Carried to Collection</b>			R
	Block C - Typical 8 Classroom Block			
	Bill No. 2			
	Earthworks (Provisional)			

**WEED KILLERS, INSECTICIDES, ETC**

Soil insecticide in accordance with SANS 5859

8 Under floors etc, including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming

m2

125

**Carried to Collection**

R

Block C - Typical 8 Classroom Block  
Bill No. 2  
Earthworks (Provisional)

Bill No. 2

Earthworks (Provisional)

**COLLECTION**

Total Brought Forward from Page No.

**Page  
No**

133

134

**Amount**

**Carried Forward to Summary of Section No. 4**

Block C - Typical 8 Classroom Block

Bill No. 2

Earthworks (Provisional)

R

Item No		Quantity	Rate	Amount
	<p><b><u>BILL NO. 3</u></b></p> <p><b><u>CONCRETE, FORMWORK AND REINFORCEMENT (PROVISIONAL)</u></b></p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><u>Cost of tests</u></p> <p>The costs of making, storing and testing of concrete test cubes as required under clause 7 "Tests" of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the principal agent. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval of the principal agent. (Test cubes are measured separately)</p> <p><u>Formwork</u></p> <p>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</p> <p>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"</p> <p><b><u>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u></b></p> <p><u>25MPa/19mm concrete</u></p>			
1	Bases	m3	0.4	
	<b>Carried to Collection</b>			R
	Block C - Typical 8 Classroom Block Bill No. 3 Concrete, Formwork and Reinforcement (Provisional)			

**REINFORCED CONCRETE CAST ON/IN FORMWORK**

25MPa/19mm concrete

2	Surface beds on waterproofing	m3	16		
---	-------------------------------	----	----	--	--

**TEST CUBES**

3	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	2		
---	--	----	---	--	--

**CONCRETE SUNDRIES**

Finishing top surfaces of concrete smooth with a steel trowel

4	Surface beds, slabs, etc	m2	125		
---	--------------------------	----	-----	--	--

**ROUGH FORMWORK (DEGREE OF ACCURACY III)**

Rough formwork to sides

5	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	129		
---	--	---	-----	--	--

**REINFORCEMENT**

Fabric reinforcement

6	Type 193 fabric reinforcement in concrete surface beds etc	m2	125		
---	--	----	-----	--	--

**Carried to Collection**

Block C - Typical 8 Classroom Block  
Bill No. 3  
Concrete, Formwork and Reinforcement (Provisional)

R

Bill No. 3

Concrete, Formwork and Reinforcement (Provisional)

**COLLECTION**

Total Brought Forward from Page No.

**Page  
No**

136

137

**Amount**

**Carried Forward to Summary of Section No. 4**

Block C - Typical 8 Classroom Block

Bill No. 3

Concrete, Formwork and Reinforcement (Provisional)

R

Item No		Quantity	Rate	Amount
	<p><b><u>BILL NO. 4</u></b></p> <p><b><u>MASONRY (PROVISIONAL)</u></b></p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><b><u>BRICKWORK</u></b></p> <p><u>Sizes in descriptions</u></p> <p>Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick</p> <p><b><u>BRICKWORK</u></b></p> <p><b><u>SUPERSTRUCTURE</u></b></p> <p><u>Brickwork of NFP bricks in class II mortar</u></p>			
1	One brick wall	m2	1	
	<p><b>Carried Forward to Summary of Section No. 4</b></p> <p>Block C - Typical 8 Classroom Block Bill No. 4 Masonry (Provisional)</p>			R

Item No		Quantity	Rate	Amount
	<b><u>BILL NO. 5</u></b>			
	<b><u>ROOF COVERINGS (PROVISIONAL)</u></b>			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
	<b><u>Proprietary items or materials</u></b>			
	Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Head			
	<b><u>PROFILED METAL SHEETING AND ACCESSORIES</u></b>			
	<u>0.50mm - G550 AZ150, ColorPlus® Steel IBR with integral stiffening rib steel roof sheeting and accessories with ColorPlus® and ZincAL® finish on one side and protective primer coating on the reverse side fixed to timber purlins with equal spacing (timber purlins measured elsewhere)</u>			
1	Roof covering with pitches not exceeding 25 degrees	m2	599	
2	Ridge cappings 475mm girth	m	72	
	<b><u>ROOF AND WALL INSULATION</u></b>			
	<u>Multi-layered reinforced double-sided aluminium foil sheeting in accordance with SANS 1381-4 with a mass of not less than 293g/m<sup>2</sup> and a Class I fire rating in accordance with SANS 0177-3</u>			
3	Insulation sheeting laid taut over purlins (at approximately 1200mm centres) and fixed concurrent with roof covering with minimum 150mm stapled laps including galvanised steel straining wires at not exceeding 400mm centres and double-sided tape at edges where required	m2	599	
	<b>Carried Forward to Summary of Section No. 4</b>			R
	Block C - Typical 8 Classroom Block			
	Bill No. 5			
	Roof Coverings (Provisional)			

Item No	Quantity	Rate	Amount
<p><b><u>BILL NO. 6</u></b></p>			
<p><b><u>CARPENTRY AND JOINERY (PROVISIONAL)</u></b></p>			
<p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p>			
<p><u>Fixing</u></p>			
<p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete</p>			
<p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere</p>			
<p><u>Joinery</u></p>			
<p>Descriptions of hardwood joinery shall be deemed to include sinking and pelleting heads and nuts of bolts</p>			
<p><b><u>ROOFS ETC</u></b></p>			
<p><b><u>PLATE NAILED TIMBER ROOF TRUSS CONSTRUCTION ETC</u></b></p>			
<p><u>SUPPLEMENTARY PREAMBLES</u></p>			
<p>Trusses are at maximum 1200mm centres</p>			
<p>Roof covering is 0.50mm - G550 AZ150, ColorPlus® Steel IBR with integral stiffening rib steel roof sheeting and accessories with ColorPlus® and ZincAL® finish on one side and protective primer coating on the reverse side fixed to timber purlins with equal spacing.</p>			
<p>Ceilings are 6,4mm rhinoboard on 38 x 38mm brandering</p>			
<p><b>Carried to Collection</b></p>			
<p>Block C - Typical 8 Classroom Block Bill No. 6 Carpentry and Joinery (Provisional)</p>			
		R	

Dimensions in descriptions of trusses are nominal and actual measurements are to be obtained from the architect/engineer and/or taken on site before design or fabrication commences

1	Supply and install prefabricated timber roof truss system complete and in accordance with the Standard Building Regulations. Truss spanning 9348 x 1700mm high overall with 700mm eaves projection on both sides	No	47
	<u>Wrought laminated Saligna</u>		
2	297 x 70mm Beam bolted to brick piers (brick piers elsewhere measured)	m	56
	<u>Sawn softwood</u>		
3	38 x 114mm Wall plates	m	110
4	50 x 76mm Purlins	m	1,000
5	38 x 114mm Bracing	m	60
	<u>Sundries</u>		
6	Wrought faces on sawn timbers	m2	97
7	Two coats creosote on sawn timbers	m2	97
	<b><u>EAVES, VERGES, ETC</u></b>		
	<u>Medium density plain fibre-cement fascias and barge boards</u>		
8	80 x 200mm Angle section barge boards including galvanised steel H-profile jointing strips and fix with hot dip galvanised screws and washers	m	12
9	12 x 225mm Medium density fascia boards including galvanised H-profile jointing strips tied with and including hot dipped galvanised screws and washers	m	111

**Carried to Collection**

Block C - Typical 8 Classroom Block  
Bill No. 6  
Carpentry and Joinery (Provisional)

R

**TIMBER DOORS, WINDOWS, ETC**

Wrought meranti doors hung to timber frames

10 44mm Double leaf framed batten door 1610 x 2032mm high of 44 x 100mm top rail, stiles and rebated meeting stiles, 44 x 100mm middle ledge and braces and 44 x 100mm bottom rail filled in with 70mm V-jointed one side boarding and covered on other side with 3,2mm plywood with veneer to match door let into and including rebates all round

No

7

**Carried to Collection**

Block C - Typical 8 Classroom Block  
 Bill No. 6  
 Carpentry and Joinery (Provisional)

R

Bill No. 6

Carpentry and Joinery (Provisional)

**COLLECTION**

Total Brought Forward from Page No.

**Page  
No**

141

142

143

**Amount**


**Carried Forward to Summary of Section No. 4**

Block C - Typical 8 Classroom Block  
Bill No. 6  
Carpentry and Joinery (Provisional)

R


Item No		Quantity	Rate	Amount
	<b><u>BILL NO. 7</u></b>			
	<b><u>CEILING, PARTITIONS AND ACCESS FLOORING (PROVISIONAL)</u></b>			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
	<u>Fixing</u>			
	Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete			
	Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere			
	<u>Ceilings</u>			
	Unless otherwise described ceilings shall be deemed to be horizontal			
	<b><u>Proprietary items or materials</u></b>			
	Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Head			
	<b><u>NAILED-UP CEILINGS</u></b>			
	<u>6,4mm Fibre-cement plain ceiling boards with H-profile galvanised steel jointing strips</u>			
1	Ceilings including 38 x 38mm sawn softwood brander at 400mm centres	m2	346	
2	Extra over ceiling for 600 x 600mm trap door of 38 x 38mm wrought softwood rebated framing with one cross brander, covered with ceiling board and fitted flush in opening, including necessary trimmers around	No	6	
	<u>Nucornice foam plastic cornices</u>			
3	75mm Coved cornices	m	197	
	<b>Carried Forward to Summary of Section No. 4</b>			R
	Block C - Typical 8 Classroom Block			
	Bill No. 7			
	Ceilings, Partitions and Access Flooring (Provisional)			



Item No	Quantity	Rate	Amount
<p><b><u>BILL NO. 9</u></b></p>			
<p><b><u>IRONMONGERY (PROVISIONAL)</u></b></p>			
<p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p>			
<p><u>Proprietary items</u></p>			
<p>Where applicable the manufacturers' names or product catalogue titles are given in sub-headings preceding the items</p>			
<p>Prices are to be based on the specific products/articles specified. If tenderers wish to offer alternative products/articles for certain items, these items are to be clearly marked and the alternative specification given with supporting brochures etc clarifying the features of the products/articles offered</p>			
<p>On request returnable samples are to be provided to the principal agent for consideration</p>			
<p><u>Finishes to ironmongery</u></p>			
<p>Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list:</p>			
<p>BS Satin bronze lacquered</p>			
<p>CH Chromium plated</p>			
<p>SC Satin chromium plated</p>			
<p>SE Silver enamelled</p>			
<p>GE Grey enamelled</p>			
<p>AN Anodised natural</p>			
<p>AS Anodised silver</p>			
<p>AB Anodised bronze</p>			
<p>AG Anodised gold</p>			
<p>ABL Anodised black</p>			
<p>PB Polished brass</p>			
<p>PL Polished and lacquered</p>			
<p>PT Epoxy coated</p>			
<p>SD Sanded</p>			
<p><b><u>Proprietary items or materials</u></b></p>			
<p>Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Head</p>			
<p><b>Carried to Collection</b></p>			
<p>Block C - Typical 8 Classroom Block Bill No. 9 Ironmongery (Provisional)</p>			
			R

**LOCKS**

Manufactured by "Union"

1	Solid art 390/313 Four Lever mortice lockset with and including Satin Chrome Plated handles	No	7	
---	---	----	---	--

**SUNDRIES**

Manufactured by "Union"

2	38mm Diameter door stop plugged and screwed to floor with a 50mm long brass screw	No	7	
---	---	----	---	--

**PINNING BOARDS, WRITING BOARDS,  
PROJECTION SCREENS, ETC**

Manufactured by "Vitrex System"

3	Standard green enamel megnatic chalkboard overall size 4800 x 1140mm high comprising two fixed panels, each 2400 x 1140mm high, with aluminium chalk rail plugged	No	6	
---	---	----	---	--

4	Pinning board size 2400 x 1200mm high plugged	No	6	
---	---	----	---	--

**Carried to Collection**

Block C - Typical 8 Classroom Block  
Bill No. 9  
Ironmongery (Provisional)

R

**Mzuvele High School  
General Repairs and Renovations**

Bill No. 9

Ironmongery (Provisional)

**COLLECTION**

Total Brought Forward from Page No.

**Page  
No**

147

148

**Amount**

**Carried Forward to Summary of Section No. 4**

Block C - Typical 8 Classroom Block  
Bill No. 9  
Ironmongery (Provisional)

R

Item No		Quantity	Rate	Amount
	<b><u>BILL NO. 10</u></b>			
	<b><u>METALWORK (PROVISIONAL)</u></b>			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
	<u>Descriptions of bolts, anchors, etc</u>			
	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			
	Items described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described			
	<b><u>Proprietary items or materials</u></b>			
	Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Head			
	<b><u>GALVANISED STEEL GATES, SCREENS, ETC</u></b>			
	<u>Welded screens and gates</u>			
1	Single hot dipped galvanised mild steel gate, 980mm x 2032mm formed of 40 x 60 x 3mm hollow sectioned frames and midrail, filled in with 12mm solid square vertical bars at 110mm centres including all ironmongery to fix on wall and padlock set	No	7	
	<b><u>GALVANISED STEEL MINOR WORK</u></b>			
	<u>Galvanised steel post, including fixing accessories to laminated timber beam and concrete floors</u>			
2	100mm Diameter galvanised mild steel support post with timber beam over to support roof above (Timber beam elsewhere)	No	17	
	<b>Carried Forward to Summary of Section No. 4</b>			
	Block C - Typical 8 Classroom Block			
	Bill No. 10			
	Metalwork (Provisional)			
				R



Item No	Quantity	Rate	Amount
<p><b><u>BILL NO. 12</u></b></p>			
<p><b><u>PLUMBING AND DRAINAGE (PROVISIONAL)</u></b></p>			
<p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p>			
<p><u>Wire gratings</u></p>			
<p>Descriptions of gutter outlets etc shall be deemed to include wire balloon gratings</p>			
<p><u>Stormwater channels</u></p>			
<p>Descriptions of channels shall be deemed to include necessary excavation, surface preparation, compaction, etc, and disposal of surplus material on site</p>			
<p><u>PVC-U pipes and fittings</u></p>			
<p>Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings</p>			
<p>Soil, waste and vent pipes and fittings shall be solvent weld jointed or sealed with butyl rubber rings</p>			
<p><u>Polypropylene pipes</u></p>			
<p>Polypropylene pipes 54mm diameter and smaller shall be seamless copper coloured Class 16 pipes jointed with heat welded thermoplastic or where so described compression fittings</p>			
<p>Pipes shall be firmly fixed to walls, etc with coloured nylon snap-in pipe clips with provision for accommodating thermal movement and jointed and fixed strictly in accordance with the manufacturer's instructions</p>			
<p><u>Fixing of pipes</u></p>			
<p>Unless specifically otherwise stated, descriptions of pipes shall be deemed to include fixing to walls, etc, casting in, building in or suspending not exceeding 1m below suspension level</p>			
<p><b>Carried to Collection</b></p>			
<p>Block C - Typical 8 Classroom Block Bill No. 12 Plumbing and Drainage (Provisional)</p>			
		R	

Laying, backfilling, bedding, etc of pipes

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

Where no manufacturers' instructions exist, pipes shall be laid in accordance with the relevant section of SANS 2001

General

Descriptions of cast iron roof outlets shall be deemed to include joints to pipes and casting into concrete (adaptors for joints to PVC pipes, etc are given separately)

Descriptions of overflow pipes where measured in number, shall be deemed to include joints to cisterns and splay cut ends

Descriptions of pipes laid in and including trenches and of inspection chambers, catchpits, etc shall be deemed to include excavation, bedding, backfilling, compaction to a minimum of 93% Mod AASHTO density and disposal of surplus material on site

Descriptions of service pipes and flexible connecting pipes shall be deemed to include connections to taps, cisterns, etc and to steel pipes (adaptors for connections to copper pipes, etc are given separately)

Descriptions of WC pans, slop hoppers, etc shall be deemed to include for joints to soil pipes (pan connectors are separately measured)

As-built drawings

Where required, the contractor shall prepare an updated set of as-built drawings. At completion of the contract the contractor shall hand these drawings to the principal agent for reproducing onto the originals for handing over to the employer (provision for allowance of as-built drawings elsewhere)

**Carried to Collection**

Block C - Typical 8 Classroom Block  
 Bill No. 12  
 Plumbing and Drainage (Provisional)

R

French drains

Descriptions of french drains shall be deemed to include excavation, stone filling graded from 300mm diameter at bottom to 75mm diameter at top, geofabric filter blanket over stone, 300mm earthfilling over and disposal of surplus material on site

uPVC pipes and fittings

Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings

Soil, waste and vent pipes and fittings shall be solvent weld jointed or sealed with butyl rubber rings

**RAINWATER DISPOSAL**

Seamless aluminium prepainted gutters and rainwater pipes

1	150mm Half-round roof gutters with beaded front edge	m	103
2	100mm Diameter rainwater pipes	m	41
3	Extra over gutter for stopped end	No	4
4	Extra over gutter for outlet for 100mm pipe	No	12
5	Extra over rainwater pipe for bend	No	24
6	Extra over rainwater pipe for plinth bend	No	2
7	Extra over rainwater pipe for eaves or plinth offset	No	2

**Carried to Collection**

Block C - Typical 8 Classroom Block  
Bill No. 12  
Plumbing and Drainage (Provisional)

R

**STORMWATER CHANNELS**

Earthworks

8	Excavate average 125mm deep in earth to form "V" drain profile	m3	16
---	--	----	----

Concrete, Formwork and Reinforcing

25MPa/19mm Reinforced concrete to bottom and sides of "V" drain

9	"V" drains	m3	16
10	Finishing top surface of "V" drains smooth with a steel trowel to falls	m2	125
11	Rough formwork (Degree of accuracy III) to edges, risers, ends and reveals not exceeding 300mm high or wide	m	129
12	Type 193 fabric reinforcement in concrete surface beds etc	m2	125
13	10 x 150mm Pre-compressed bitumen impregnated foam plastic joint sealing strips between brickwork and concrete	m	121

**FIRE APPLIANCES ETC**

14	"Chubb" hose reel with 30m rubber hose, chromium plated stopcock, shut-off nozzle and wall bracket	No	2
15	10kg Carbon dioxide fire extinguisher	No	1

Fire hydrant pedestals

16	100mm "Storz" type fire Hydrant complete	No	3
----	--	----	---

**WATER SUPPLIES TO FIRE APPLIANCES**

Sans 2-1/2 class medium steel piping black/galvanised

17	20 NB screwed socket	m	21
18	25 NB screwed union	No	17

**Carried to Collection**

Block C - Typical 8 Classroom Block  
Bill No. 12  
Plumbing and Drainage (Provisional)

R

**Mzuvele High School**  
**General Repairs and Renovations**

19	25 NB screwed barrel nipple screwed	No	21
20	50 NB screwed type	m	64
21	50 NB screwed union	No	7
22	50 NB screwed nipple	No	4
23	50 NB galvanised SANS62 medium elbow	No	9
24	50/25 NB Galvanised screw type reducing tee	No	8
25	Flushing of pipework and pressure testing of whole system		Item
26	Commissioning of Complete System		Item
<b><u>PHOTOLUMINESCENT SIGNS</u></b>			
27	150 x 150mm Sign	No	11
28	Provision of fire plan in laminated A3 size	No	1
29	Emergency assembly point sign with steel pole and mass concrete base	No	1
30	Hydrant and Arrow sign (290x290mm size per sign) with steel pole and mass concrete base.	No	1

**Carried to Collection**

Block C - Typical 8 Classroom Block  
Bill No. 12  
Plumbing and Drainage (Provisional)

R

**Mzuvele High School  
General Repairs and Renovations**

Bill No. 12  
Plumbing and Drainage (Provisional)

**COLLECTION**

Total Brought Forward from Page No.

**Page  
No**

**Amount**

152  
153  
154  
155  
156


**Carried Forward to Summary of Section No. 4**

Block C - Typical 8 Classroom Block  
Bill No. 12  
Plumbing and Drainage (Provisional)

R


Item No		Quantity	Rate	Amount
	<b><u>BILL NO. 13</u></b>			
	<b><u>ELECTRICAL WORK (PROVISIONAL)</u></b>			
	<b><u>BLOCK C</u></b>			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
	<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			
	<b><u>LOW TENSION DISTRIBUTION</u></b>			
	<b><u>DISTRIBUTION BOARD DB</u></b>			
1	Flush mounted distribution board in one section (uninterruptable power) with door, space for the following equipment and space for 6 additional circuit breakers, colour coded and installed in recess (elsewhere) in brick wall	No	1	
2	60A Triple pole isolator	No	1	
3	10A Single pole MCCB (5kA)	No	5	
	<b><u>CABLES</u></b>			
4	1.5mm <sup>2</sup> 3-Core	m	490	
	<b>Carried to Collection</b>			R
	Block C - Typical 8 Classroom Block			
	Bill No. 13			
	Electrical work (Provisional)			

**Mzuvele High School**  
**General Repairs and Renovations**

5	2.5mm <sup>2</sup> 3-Core	m	190
6	16mm <sup>2</sup> 3-Core	m	60
	<u>Cable joints</u>		
7	1.5mm <sup>2</sup> 3-Core	No	2
8	16mm <sup>2</sup> 3-Core	No	2
	<u>Cable terminations</u>		
9	1.5mm <sup>2</sup> 3-Core	No	40
10	2.5mm <sup>2</sup> 3-Core	No	40
11	16mm <sup>2</sup> 3-Core	No	2
	<b><u>EARTH CONDUCTORS</u></b>		
	<u>Bare copper earth conductors laid with cable in trenches or sleeve pipes and bonded to cables with plastic strapping at 2m centres</u>		
	<u>PVC insulated copper earth conductors laid with cables in trenches or sleeve pipes and bonded to cables with plastic strapping at 2m centres</u>		
12	6mm <sup>2</sup>	m	60
	<b><u>SUNDRIES</u></b>		
13	Low tension room accessories comprising first aid kit, pair of rubber gloves and notices on door and inside the room complying with the Occupational Health and Safety Act, 1993	No	1
	<b><u>GENERAL LIGHTING AND POWER</u></b>		
	<b><u>CONDUITS ETC</u></b>		
	<u>Rigid PVC conduits</u>		
14	20mm Diameter	m	680
	<u>PVC conduit accessories</u>		
15	Round outlet box for 20mm conduit	No	68

**Carried to Collection**

Block C - Typical 8 Classroom Block  
Bill No. 13  
Electrical work (Provisional)

R

**Mzuvele High School**  
**General Repairs and Renovations**

16	Deep type (concrete type) round outlet box for 20mm conduit	No	68
17	Standard draw box for 20mm conduit	No	68
18	50 x 100 x 50mm Outlet box	No	68
19	100 x 100 x 50mm Outlet box	No	68
20	100 x 100 x 50mm Outlet box with blank cover plate	No	68

**CONDUCTORS**

Bare copper conductors drawn into conduit, trunking or power skirting

PVC insulated stranded copper conductors drawn into conduit, trunking or power skirting

Heat resistant silicon insulated stranded copper conductors drawn into conduit, trunking or power skirting

21	1.5mm <sup>2</sup>	m	290
----	--------------------	---	-----

**DRAW-WIRES**

22	Galvanised steel draw-wires drawn into conduit	m	290
----	--	---	-----

**LIGHT SWITCHES, SOCKET OUTLETS, ETC**

23	Flush mounted bell push button	No	1
24	16A Flush mounted two lever one-way switch unit	No	9
25	16A Three pin flush mounted socket outlet with switch, single type	No	19

**LUMINAIRES**

26	Lascon V1-100BC/C/Plas economy injection moulded polycarbonate luminaire with 100W GLS lamp	No	49
----	---	----	----

**SUNDRIES**

27	Earthing of buildings		Item
28	Provision of as built drawings		Item

**Carried to Collection**

Block C - Typical 8 Classroom Block  
Bill No. 13  
Electrical work (Provisional)

R

29 Testing and commissioning the complete electrical installation

Item

**Carried to Collection**

Block C - Typical 8 Classroom Block  
Bill No. 13  
Electrical work (Provisional)

R

**Mzuvele High School  
General Repairs and Renovations**

Bill No. 13  
Electrical work (Provisional)

**COLLECTION**

Total Brought Forward from Page No.

**Page  
No**  
158  
159  
160  
161

**Amount**

**Carried Forward to Summary of Section No. 4**  
Block C - Typical 8 Classroom Block  
Bill No. 13  
Electrical work (Provisional)

R



Item No	Quantity	Rate	Amount
<p><b><u>BILL NO. 15</u></b></p>			
<p><b><u>PAINTWORK (PROVISIONAL)</u></b></p>			
<p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p>			
<p><b><u>PREPARATORY WORK TO EXISTING WORK</u></b></p>			
<p><u>Previously painted plastered surfaces</u></p>			
<p>Surfaces shall be thoroughly washed down and allowed to dry completely before any paint is applied. Blistered or peeling paint shall be completely removed and cracks shall be opened, filled with a suitable filler and finished smooth</p>			
<p><u>Previously painted metal surfaces</u></p>			
<p>Surfaces shall be thoroughly rubbed and cleaned down. Blistered or peeling paint shall be completely removed down to bare metal</p>			
<p><u>Previously painted wood surfaces</u></p>			
<p>Surfaces shall be thoroughly cleaned down. Blistered or peeling paint shall be completely removed and cracks and crevices shall be primed, filled with suitable filler and finished smooth</p>			
<p><b><u>PAINT SPECIFICATIONS</u></b></p>			
<p>All painting shall be done in accordance with manufacturer's specifications unless otherwise described</p>			
<p><b><u>COLOURS</u></b></p>			
<p>Unless otherwise described paintwork on ceilings shall be deemed to be in the "White" colour group and paintwork on all other components shall be deemed to be in the "Pastel" colour group in accordance with the Natural Colour System (NCS) adopted by the SA National Standards</p>			
<p><b>Carried to Collection</b></p>			
<p>Block C - Typical 8 Classroom Block Bill No. 15 Paintwork (Provisional)</p>			
		R	

**PAINTWORK ETC TO NEW WORK**

**ON INTERNAL FLOATED PLASTER SURFACES**

One coat alkali resistant primer, one universal undercoat and two coats quality Pva paint

1	Walls	m2	296	
---	-------	----	-----	--

**ON PLASTERBOARD SURFACES**

One coat primer, one universal undercoat and two coats exterior quality "Cemote" pva paint

2	Ceilings and cornices	m2	346	
---	-----------------------	----	-----	--

**ON FIBRE-CEMENT BOARD SURFACES**

Two coats extremely durable UV-resistant, washable pure acrylic emulsion sheen paint

3	Fascias and barge boards, including priming metal jointing strips	m2	55	
---	---	----	----	--

**ON WOOD SURFACES**

One coat primer, one coat alkyd based universal undercoat and two coats superior quality universal enamel paint

4	Doors	m2	12	
---	-------	----	----	--

**PAINTWORK, ETC TO PREVIOUSLY PAINTED WORK**

**ON METAL SURFACES**

One coat alkyd based zinc phosphate primer and two coats premium quality polyurethane enamel paint, on steel

5	Door frames	m2	16	
---	-------------	----	----	--

6	Windows with burglar bars	m2	55	
---	---------------------------	----	----	--

7	Steel support posts	m2	13	
---	---------------------	----	----	--

**Carried to Collection**

Block C - Typical 8 Classroom Block  
Bill No. 15  
Paintwork (Provisional)

R

**ON WOOD SURFACES**

Two coats oil wood primer

8	Laminated beam	m2	38
---	----------------	----	----

**Carried to Collection**

Block C - Typical 8 Classroom Block  
Bill No. 15  
Paintwork (Provisional)

R

**Mzuvele High School  
General Repairs and Renovations**

Bill No. 15  
Paintwork (Provisional)

**COLLECTION**

Total Brought Forward from Page No.

**Page  
No**  
164  
165  
166

**Amount**


**Carried Forward to Summary of Section No. 4**

Block C - Typical 8 Classroom Block  
Bill No. 15  
Paintwork (Provisional)

R


<b>Bill No</b>	<b><u>SECTION SUMMARY - Block C - Typical 8 Classroom Block</u></b>	<b>Page No</b>	<b>Amount</b>
1	Alterations (Provisional)	132	
2	Earthworks (Provisional)	135	
3	Concrete, Formwork and Reinforcement (Provisional)	138	
4	Masonry (Provisional)	139	
5	Roof Coverings (Provisional)	140	
6	Carpentry and Joinery (Provisional)	144	
7	Ceilings, Partitions and Access Flooring (Provisional)	145	
8	Floor Coverings, Wall Linings, etc. (Provisional)	146	
9	Ironmongery (Provisional)	149	
10	Metalwork (Provisional)	150	
11	Plastering (Provisional)	151	
12	Plumbing and Drainage (Provisional)	157	
13	Electrical work (Provisional)	162	
14	Glazing (Provisional)	163	
15	Paintwork (Provisional)	167	
<b>Carried to Final Summary</b>			
Block C - Typical 8 Classroom Block			

Item No	Quantity	Rate	Amount
<p><b><u>BILL NO. 1</u></b></p> <p><b><u>ALTERATIONS (PROVISIONAL)</u></b></p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><u>View site</u></p> <p>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</p> <p><u>Explosives</u></p> <p>No explosives whatsoever may be used for demolition purposes unless otherwise stated</p> <p><u>General</u></p> <p>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</p> <p>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</p>			
<p><b>Carried to Collection</b></p>		R	
<p>Block E - Typical 6 Classroom Block Bill No. 1 Alterations (Provisional)</p>			

Doors, fanlights, fittings, frames, linings, etc which are to be re-used shall be thoroughly overhauled before refixing including taking off, easing and rehangng, 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 re-varnishing 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

Making good of finishes shall include making good of the brick and concrete surfaces onto which the new finishes are applied, where necessary

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)

Damage to existing finishes

The Contractor will be held responsible for all damage, however caused, to existing finishes and fittings etc. and he must make good all damage at his own expense to the approval of the Principal Agent.  
Breaking down, demolition and alteration activities and tasks, hacking off of existing plaster, etc. is to be executed with care so as to prevent damage to remaining floor and wall surfaces and finishes (where these are to be retained). Tenders will be deemed to include allowance for any necessary protection of existing surfaces and structures as may be necessary to effect the above, as the cost of repairing damage to existing surfaces and structures will be solely for the Contractors account.

**Carried to Collection**

Block E - Typical 6 Classroom Block  
Bill No. 1  
Alterations (Provisional)

R

Removal of materials

Where removal is included in the heading, sub-heading or item description, prices shall be deemed to include for the necessary costs in removal and appropriate disposal of materials including but not limited to labour, transportation and disposal costs. No further claims in this regard will be entertained.

Removal of asbestos material

The removal of asbestos shall be carried out strictly by a certified entity, registered in accordance with the Occupational Health and Safety Act and the Asbestos Regulation.

Asbestos in all forms/building elements that is to be removed, shall be carried out in strict accordance with aforementioned regulation, and a certificate issued by the entity as contemplated in the above, shall be provided per block for the removal thereof, where the term block shall in this context refer to any single, free standing building structure, regardless of size or purpose.

Corresponding disposal certificates shall be issued by the facility at which the asbestos is disposed of, with said facility to, prior to the disposal of any asbestos material provide satisfactory proof that the facility is duly registered and fully compliant in terms of the act, to receive the asbestos material.

Under no circumstances is the contractor nor any of his duly authorised representatives to sell and/or give away asbestos material to any member/s of the school community, the community in general or the public at large. Should this be found to be occurring, the contractor will be held responsible contractually and may further be prosecuted criminally.

The cost for complying with the above, and all requirements of regulation as reflected above is to be priced for in the items for removal of asbestos material. No further claims in this regard will therefore be entertained.

**Carried to Collection**

Block E - Typical 6 Classroom Block  
 Bill No. 1  
 Alterations (Provisional)

R

**REMOVAL OF EXISTING WORK**

Breaking up and removing unreinforced concrete

1	100mm Thick surface beds	m2	122
---	--------------------------	----	-----

Breaking down and removing brickwork etc

2	One brick walls	m2	60
---	-----------------	----	----

Taking out and removing doors, windows, etc., including thresholds, sills, etc. (building up openings and making good finishes elsewhere)

3	Timber single door not exceeding 2,5m <sup>2</sup>	No	11
---	--	----	----

4	Servicing of existing steel windows with new hinges, latches, etc	No	47
---	---	----	----

**Note: Tenderers are referred to the foregoing supplementary preambles within this trade when pricing the following item (removal of asbestos)**

Taking down and removal of Asbestos by Specialist

5	Asbestos roof sheets, including all timber purlins, fixings, etc.	m2	583
---	---	----	-----

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

6	Double pitched timber roof structure with two gable ends, overall size 29.71 x 9.28 x 1.70m high including wall plates, bracing etc.	m2	583
---	--	----	-----

7	Gypsum plasterboard ceilings, including timber brandering, cornices, etc	m2	335
---	--	----	-----

8	297 x 70mm Laminated timber beam at eaves of gable roof	m	50
---	---	---	----

9	Barge boards	m	23
---	--------------	---	----

10	Fascia boards	m	101
----	---------------	---	-----

11	Eaves gutters	m	101
----	---------------	---	-----

12	Rainwater pipes	m	43
----	-----------------	---	----

**Carried to Collection**

Block E - Typical 6 Classroom Block  
Bill No. 1  
Alterations (Provisional)

R

**Mzuvele High School**  
**General Repairs and Renovations**

	<u>Taking out and removing ironmongery</u>				
13	Pinning boards approximately 1200 x 1200mm high including fixings, etc., and cart off site	No	3		
14	Pinning boards approximately 2400 x 1200mm high including fixings, etc., and cart off site	No	6		
15	Chalkboards approximately 4800 x 1200mm high including fixings, etc., and cart off site	No	6		
	<u>Taking out/off and removing sundry metalwork</u>				
16	Steel single leaf security gate not exceeding 2,5m <sup>2</sup>	No	8		
	<u>Hacking up/off and removing floor tile and wall finishers including removing mortar bed or backing and preparing concrete or brick surfaces for new screed, plaster or tile finishers</u>				
17	Vinyl floor tiles	m2	335		
	<u>Hacking up/off and removing granolithic, screeds, plaster, etc from concrete or brickwork and preparing surfaces for new screed, plaster, tile finishes, etc</u>				
18	30mm Screed from floors	m2	425		
19	Internal plaster from walls and columns	m2	336		
	<u>Taking out/off and removing glass and mirrors</u>				
20	Glass from steel windows, including cleaning out rebates and preparing for new glass (new glass elsewhere)	m2	23		
	<b><u>MAKING GOOD OF FINISHES, ETC</u></b>				
	<u>Cleaning brickwork</u>				
21	Acid cleaning internal face brickwork at dado level with high pressure cleaner and leave walls clean, in perfect condition and re-apply two coats of clear gloss face brick sealer	m2	158		
22	Acid cleaning external face brickwork with high pressure cleaner and leave walls clean, in perfect condition	m2	307		
	<b>Carried to Collection</b>				
	Block E - Typical 6 Classroom Block				
	Bill No. 1				
	Alterations (Provisional)				
					R

**MAKING GOOD OF EXISTING WORKS**

23	Repairs to existing surface beds, including filling in cracks, with concrete crack injection or any other approved filler, stitching as required, etc	m2	10	
----	---	----	----	--

**METAL STITCHING**

24	Hacking up/off and removing plaster from walls, columns and beams	m2	10	
----	---	----	----	--

25	Chipout 40 x 10mm mortar joint between brickwork courses and clean out joint with an air compressor	m	50	
----	---	---	----	--

26	19mm Diameter Thorhelical or similar approved helical bar inserted midway between structural cracks	m	50	
----	---	---	----	--

27	Grout 40 x 10mm joint between brick courses	m	50	
----	---	---	----	--

28	Internal plaster on walls	m2	10	
----	---------------------------	----	----	--

29	One coat primer, one universal undercoat and two coats quality pva paint	m2	10	
----	--	----	----	--

**Carried to Collection**

Block E - Typical 6 Classroom Block  
Bill No. 1  
Alterations (Provisional)

R

**Mzuvele High School  
General Repairs and Renovations**

Bill No. 1

Alterations (Provisional)

**COLLECTION**

Total Brought Forward from Page No.

**Page  
No**

**Amount**

169  
170  
171  
172  
173  
174


**Carried Forward to Summary of Section No. 5**

Block E - Typical 6 Classroom Block  
Bill No. 1  
Alterations (Provisional)

R


Item No		Quantity	Rate	Amount
	<b><u>BILL NO. 2</u></b>			
	<b><u>EARTHWORKS (PROVISIONAL)</u></b>			
	<b><u>EXCAVATION, FILLING, ETC OTHER THAN BULK</u></b>			
	<b><u>EXCAVATIONS, ETC</u></b>			
	<u>Excavation in earth not exceeding 2m deep</u>			
1	Thickening under surface beds, etc.	m3	16	
	<u>Extra over trench and hole excavations in earth for excavation in</u>			
2	Soft rock	m3	2	
3	Hard rock	m3	1	
	<u>Risk of collapse of excavations</u>			
4	Sides of trench and hole excavations not exceeding 1,5m deep	m2	25	
	<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 95% Mod AASHTO density	m2	122	
	<b><u>FILLING ETC</u></b>			
	<u>Earth filling obtained from the excavations and/or prescribed stock piles on site, compacted to 95% Mod AASHTO density</u>			
6	Backfilling to trenches, holes, etc	m3	1	
	<b>Carried to Collection</b>			R
	Block E - Typical 6 Classroom Block			
	Bill No. 2			
	Earthworks (Provisional)			

**WEED KILLERS, INSECTICIDES, ETC**

Soil insecticide in accordance with SANS 5859

7 Under floors etc, including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming

m2

122

**Carried to Collection**

R

Block E - Typical 6 Classroom Block  
 Bill No. 2  
 Earthworks (Provisional)

Bill No. 2

Earthworks (Provisional)

**COLLECTION**

Total Brought Forward from Page No.

**Page  
No**

176

177

**Amount**

**Carried Forward to Summary of Section No. 5**

Block E - Typical 6 Classroom Block

Bill No. 2

Earthworks (Provisional)

R

Item No		Quantity	Rate	Amount
	<p><b><u>BILL NO. 3</u></b></p> <p><b><u>CONCRETE, FORMWORK AND REINFORCEMENT (PROVISIONAL)</u></b></p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><u>Cost of tests</u></p> <p>The costs of making, storing and testing of concrete test cubes as required under clause 7 "Tests" of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the principal agent. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval of the principal agent. (Test cubes are measured separately)</p> <p><u>Formwork</u></p> <p>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</p> <p>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"</p> <p><b><u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u></b></p> <p><u>25MPa/19mm concrete</u></p>			
1	Surface beds on waterproofing	m3	16	
	<b>Carried to Collection</b>			R
	Block E - Typical 6 Classroom Block Bill No. 3 Concrete, Formwork and Reinforcement (Provisional)			

<b><u>TEST CUBES</u></b>					
2	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	2		
<b><u>CONCRETE SUNDRIES</u></b>					
<u>Finishing top surfaces of concrete smooth with a steel trowel</u>					
3	Surface beds, slabs, etc	m2	122		
<b><u>ROUGH FORMWORK (DEGREE OF ACCURACY III)</u></b>					
<u>Rough formwork to sides</u>					
4	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	126		
<b><u>REINFORCEMENT</u></b>					
<u>Fabric reinforcement</u>					
5	Type 193 fabric reinforcement in concrete surface beds etc	m2	122		
<b>Carried to Collection</b>					
Block E - Typical 6 Classroom Block					
Bill No. 3					
Concrete, Formwork and Reinforcement (Provisional)					
					R

Bill No. 3

Concrete, Formwork and Reinforcement (Provisional)

**COLLECTION**

Total Brought Forward from Page No.

**Page  
No**

179

180

**Amount**

**Carried Forward to Summary of Section No. 5**

Block E - Typical 6 Classroom Block

Bill No. 3

Concrete, Formwork and Reinforcement (Provisional)

R

Item No		Quantity	Rate	Amount
	<b><u>BILL NO. 4</u></b>			
	<b><u>MASONRY (PROVISIONAL)</u></b>			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
	<b><u>BRICKWORK</u></b>			
	<u>Sizes in descriptions</u>			
	Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick			
	<b><u>BRICKWORK</u></b>			
	<b><u>SUPERSTRUCTURE</u></b>			
	<u>Brickwork of NFP bricks in class II mortar</u>			
1	One brick walls	m2	60	
	<u>2.5mm Galvanised brick reinforcement</u>			
2	150mm Wide reinforcement built in horizontally	m	180	
	<b>Carried Forward to Summary of Section No. 5</b>			
	Block E - Typical 6 Classroom Block			
	Bill No. 4			
	Masonry (Provisional)			
				R

Item No		Quantity	Rate	Amount
	<b><u>BILL NO. 5</u></b>			
	<b><u>ROOF COVERINGS (PROVISIONAL)</u></b>			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
	<b><u>Proprietary items or materials</u></b>			
	Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Head			
	<b><u>PROFILED METAL SHEETING AND ACCESSORIES</u></b>			
	<u>0.50mm - G550 AZ150, ColorPlus® Steel IBR with integral stiffening rib steel roof sheeting and accessories with ColorPlus® and ZincAL® finish on one side and protective primer coating on the reverse side fixed to timber purlins with equal spacing (timber purlins measured elsewhere)</u>			
1	Roof covering with pitches not exceeding 25 degrees	m2	583	
2	Ridge cappings 475mm girth	m	50	
	<b><u>ROOF AND WALL INSULATION</u></b>			
	<u>Multi-layered reinforced double-sided aluminium foil sheeting in accordance with SANS 1381-4 with a mass of not less than 293g/m<sup>2</sup> and a Class I fire rating in accordance with SANS 0177-3</u>			
3	Insulation sheeting laid taut over purlins (at approximately 1200mm centres) and fixed concurrent with roof covering with minimum 150mm stapled laps including galvanised steel straining wires at not exceeding 400mm centres and double-sided tape at edges where required	m2	583	
	<b>Carried Forward to Summary of Section No. 5</b>			R
	Block E - Typical 6 Classroom Block			
	Bill No. 5			
	Roof Coverings (Provisional)			

Item No	Quantity	Rate	Amount
<p><b><u>BILL NO. 6</u></b></p>			
<p><b><u>CARPENTRY AND JOINERY (PROVISIONAL)</u></b></p>			
<p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p>			
<p><u>Fixing</u></p>			
<p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete</p>			
<p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere</p>			
<p><u>Joinery</u></p>			
<p>Descriptions of hardwood joinery shall be deemed to include sinking and pelleting heads and nuts of bolts</p>			
<p><b><u>ROOFS ETC</u></b></p>			
<p><b><u>PLATE NAILED TIMBER ROOF TRUSS CONSTRUCTION ETC</u></b></p>			
<p><u>SUPPLEMENTARY PREAMBLES</u></p>			
<p>Trusses are at maximum 1200mm centres</p>			
<p>Roof covering is 0.50mm - G550 AZ150, ColorPlus® Steel IBR with integral stiffening rib steel roof sheeting and accessories with ColorPlus® and ZincAL® finish on one side and protective primer coating on the reverse side fixed to timber purlins with equal spacing.</p>			
<p>Ceilings are 6,4mm rhinoboard on 38 x 38mm branderling</p>			
<p><b>Carried to Collection</b></p>			
<p>Block E - Typical 6 Classroom Block Bill No. 6 Carpentry and Joinery (Provisional)</p>			
		R	

**Mzuvele High School**  
**General Repairs and Renovations**

	Dimensions in descriptions of trusses are nominal and actual measurements are to be obtained from the architect/engineer and/or taken on site before design or fabrication commences				
1	Supply and install prefabricated timber roof truss system complete and in accordance with the Standard Building Regulations. Truss spanning 9343 x 1700mm high overall with 700mm eaves projection on both sides	No	42		
	<u>Wrought laminated Saligna</u>				
2	297 x 70mm Beam bolted to steel post	m	50		
	<u>Sawn softwood</u>				
3	38 x 114mm Wall plates	m	101		
4	50 x 76mm Purlins	m	704		
5	38 x 114mm Bracing	m	55		
	<u>Sundries</u>				
6	Wrought faces on sawn timbers	m2	87		
7	Two coats creosote on sawn timbers	m2	87		
	<b><u>EAVES, VERGES, ETC</u></b>				
	<u>Medium density plain fibre-cement fascias and barge boards</u>				
8	80 x 200mm Angle section barge boards including galvanised steel H-profile jointing strips and fix with hot dip galvanised screws and washers	m	23		
9	12 x 225mm Medium density fascia boards including galvanised H-profile jointing strips tied with and including hot dipped galvanised screws and washers	m	101		
	<b>Carried to Collection</b>				
	Block E - Typical 6 Classroom Block				
	Bill No. 6				
	Carpentry and Joinery (Provisional)				
					R

**TIMBER DOORS, WINDOWS, ETC**

Wrought meranti doors hung to timber/steel frames

10 44mm Framed, ledged and braced batten door 813 x 2032mm high of 40 x110mm wide top rail and stiles, 20 x 150mm middle ledge and braces and 20 x 225mm bottom ledge, filled in with 22mm tongued and grooved V-jointed one side vertical boarding with tongued and grooved joints to top rail and stiles and with inner edges of framing and abutting edges of boarding chamfered to form V-joint

No

8

Semi-solid flush doors with commercial veneer suitable for painting

11 44mm Door 813 x 2032mm high

No

3

**Carried to Collection**

Block E - Typical 6 Classroom Block  
Bill No. 6  
Carpentry and Joinery (Provisional)

R

Bill No. 6

Carpentry and Joinery (Provisional)

**COLLECTION**

Total Brought Forward from Page No.

**Page  
No**

184

185

186

**Amount**

**Carried Forward to Summary of Section No. 5**

Block E - Typical 6 Classroom Block  
Bill No. 6  
Carpentry and Joinery (Provisional)

R

Item No	Quantity	Rate	Amount
<b><u>BILL NO. 7</u></b>			
<b><u>CEILING, PARTITIONS AND ACCESS FLOORING (PROVISIONAL)</u></b>			
<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
<u>Fixing</u>			
Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete			
Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere			
<u>Ceilings</u>			
Unless otherwise described ceilings shall be deemed to be horizontal			
<b><u>Proprietary items or materials</u></b>			
Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Head			
<b><u>NAILED-UP CEILINGS</u></b>			
<u>6,4mm Fibre-cement plain ceiling boards with H-profile galvanised steel jointing strips</u>			
1	Ceilings including 38 x 38mm sawn softwood bandering at 400mm centres	m2	335
2	Extra over ceiling for 600 x 600mm trap door of 38 x 38mm wrought softwood rebated framing with one cross brander, covered with ceiling board and fitted flush in opening, including necessary trimmers around	No	7
<u>Nucornice foam plastic cornices</u>			
3	75mm Coved cornices	m	210
<b>Carried Forward to Summary of Section No. 5</b>			R
Block E - Typical 6 Classroom Block			
Bill No. 7			
Ceilings, Partitions and Access Flooring (Provisional)			

Item No		Quantity	Rate	Amount
	<b><u>BILL NO. 8</u></b>			
	<b><u>FLOOR COVERINGS, WALL LININGS, ETC (PROVISIONAL)</u></b>			
	<b><u>FLOOR COVERINGS</u></b>			
	<u>300 x 300 x 2.5mm Semi flexible vinyl tiles</u>			
1	On floors	m2	335	
	<u>Vinyl skirtings, nosings, etc</u>			
2	70mm High vinyl skirting	m	197	
	<b><u>POLISH, SEALERS, ETC</u></b>			
3	Three coats wax polish on vinyl flooring	m2	335	
	<b>Carried Forward to Summary of Section No. 5</b>			R
	Block E - Typical 6 Classroom Block			
	Bill No. 8			
	Floor Coverings, Wall Linings, etc. (Provisional)			

Item No	Quantity	Rate	Amount
<p><b><u>BILL NO. 9</u></b></p>			
<p><b><u>IRONMONGERY (PROVISIONAL)</u></b></p>			
<p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p>			
<p><u>Proprietary items</u></p>			
<p>Where applicable the manufacturers' names or product catalogue titles are given in sub-headings preceding the items</p>			
<p>Prices are to be based on the specific products/articles specified. If tenderers wish to offer alternative products/articles for certain items, these items are to be clearly marked and the alternative specification given with supporting brochures etc clarifying the features of the products/articles offered</p>			
<p>On request returnable samples are to be provided to the principal agent for consideration</p>			
<p><u>Finishes to ironmongery</u></p>			
<p>Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list:</p>			
<p>BS Satin bronze lacquered</p>			
<p>CH Chromium plated</p>			
<p>SC Satin chromium plated</p>			
<p>SE Silver enamelled</p>			
<p>GE Grey enamelled</p>			
<p>AN Anodised natural</p>			
<p>AS Anodised silver</p>			
<p>AB Anodised bronze</p>			
<p>AG Anodised gold</p>			
<p>ABL Anodised black</p>			
<p>PB Polished brass</p>			
<p>PL Polished and lacquered</p>			
<p>PT Epoxy coated</p>			
<p>SD Sanded</p>			
<p><b><u>Proprietary items or materials</u></b></p>			
<p>Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Head</p>			
<p><b>Carried to Collection</b></p>			
<p>Block E - Typical 6 Classroom Block Bill No. 9 Ironmongery (Provisional)</p>			
			R

**HINGES, BOLTS, ETC**

Manufactured by "Union" or other equal and approved

1	100mm Aluminium butt hinge	No	22
---	----------------------------	----	----

**LOCKS**

Manufactured by "Union" or other equal and approved

2	Solid art 390/313 Four Lever mortice lockset with and including Satin Chrome Plated handles	No	11
---	---	----	----

**SUNDRIES**

Manufactured by "Union" or other equal and approved

3	38mm Diameter door stop plugged and screwed to floor with a 50mm long brass screw	No	11
---	---	----	----

**PINNING BOARDS, WRITING BOARDS,  
PROJECTION SCREENS, ETC**

Manufactured by "Vitrex System"

4	Pinning board size 1200 x 1200mm high plugged	No	3
---	---	----	---

5	Pinning board size 2400 x 1200mm high plugged	No	6
---	---	----	---

6	Standard green enamel megnatic chalkboard overall size 4800 x 1140mm high comprising two fixed panels, each 2400 x 1140mm high, with aluminium chalk rail plugged	No	6
---	---	----	---

**Carried to Collection**

Block E - Typical 6 Classroom Block  
Bill No. 9  
Ironmongery (Provisional)

R

**Mzuvele High School  
General Repairs and Renovations**

Bill No. 9

Ironmongery (Provisional)

**COLLECTION**

Total Brought Forward from Page No.

**Page  
No**

190

191

**Amount**

**Carried Forward to Summary of Section No. 5**

Block E - Typical 6 Classroom Block  
Bill No. 9  
Ironmongery (Provisional)

R

Item No	Quantity	Rate	Amount
<b><u>BILL NO. 10</u></b>			
<b><u>METALWORK (PROVISIONAL)</u></b>			
<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
<u>Descriptions of bolts, anchors, etc</u>			
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			
Items described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described			
<b><u>Proprietary items or materials</u></b>			
Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Head			
<b><u>GALVANISED STEEL GATES, SCREENS, ETC</u></b>			
<u>Welded screens and gates</u>			
1	No	8	
Single hot dipped galvanised mild steel gate, 980mm x 2032mm formed of 40 x 60 x 3mm hollow sectioned frames and midrail, filled in with 12mm solid square vertical bars at 110mm centres including all ironmongery to fix on wall and padlock set, etc.			
<b><u>GALVANISED STEEL MINOR WORK</u></b>			
<u>Galvanised steel post, including fixing accessories to laminated timber beam and concrete floors</u>			
2	No	15	
100mm Diameter x 2650mm high galvanised mild steel support post including base plates etc. with timber beam over to support roof above (Timber beam elsewhere)			
<b>Carried Forward to Summary of Section No. 5</b>			R
Block E - Typical 6 Classroom Block Bill No. 10 Metalwork (Provisional)			

Item No		Quantity	Rate	Amount
	<b><u>BILL NO. 11</u></b>			
	<b><u>PLASTERING (PROVISIONAL)</u></b>			
	<b><u>SCREEDS</u></b>			
	<u>Screeds steel trowelled, on concrete</u>			
1	30mm Thick on floors and landings	m2	425	
	<b><u>GRANOLITHIC</u></b>			
	<u>Untinted granolithic, on concrete</u>			
2	30mm Thick on floors and landings	m2	89	
	<b><u>INTERNAL PLASTER</u></b>			
	<u>Cement plaster steel trowelled, on brickwork</u>			
3	On walls	m2	313	
4	On narrow widths	m2	23	
	<b>Carried Forward to Summary of Section No. 5</b>			
	Block E - Typical 6 Classroom Block			
	Bill No. 11			
	Plastering (Provisional)			
			R	

Item No	Quantity	Rate	Amount
<p><b><u>BILL NO. 12</u></b></p>			
<p><b><u>PLUMBING AND DRAINAGE (PROVISIONAL)</u></b></p>			
<p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p>			
<p><u>Wire gratings</u></p>			
<p>Descriptions of gutter outlets etc shall be deemed to include wire balloon gratings</p>			
<p><u>Stormwater channels</u></p>			
<p>Descriptions of channels shall be deemed to include necessary excavation, surface preparation, compaction, etc, and disposal of surplus material on site</p>			
<p><u>PVC-U pipes and fittings</u></p>			
<p>Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings</p>			
<p>Soil, waste and vent pipes and fittings shall be solvent weld jointed or sealed with butyl rubber rings</p>			
<p><u>Polypropylene pipes</u></p>			
<p>Polypropylene pipes 54mm diameter and smaller shall be seamless copper coloured Class 16 pipes jointed with heat welded thermoplastic or where so described compression fittings</p>			
<p>Pipes shall be firmly fixed to walls, etc with coloured nylon snap-in pipe clips with provision for accommodating thermal movement and jointed and fixed strictly in accordance with the manufacturer's instructions</p>			
<p><u>Fixing of pipes</u></p>			
<p>Unless specifically otherwise stated, descriptions of pipes shall be deemed to include fixing to walls, etc, casting in, building in or suspending not exceeding 1m below suspension level</p>			
<p><b>Carried to Collection</b></p>			
<p>Block E - Typical 6 Classroom Block Bill No. 12 Plumbing and Drainage (Provisional)</p>			
		R	

Laying, backfilling, bedding, etc of pipes

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

Where no manufacturers' instructions exist, pipes shall be laid in accordance with the relevant section of SANS 2001

General

Descriptions of cast iron roof outlets shall be deemed to include joints to pipes and casting into concrete (adaptors for joints to PVC pipes, etc are given separately)

Descriptions of overflow pipes where measured in number, shall be deemed to include joints to cisterns and splay cut ends

Descriptions of pipes laid in and including trenches and of inspection chambers, catchpits, etc shall be deemed to include excavation, bedding, backfilling, compaction to a minimum of 93% Mod AASHTO density and disposal of surplus material on site

Descriptions of service pipes and flexible connecting pipes shall be deemed to include connections to taps, cisterns, etc and to steel pipes (adaptors for connections to copper pipes, etc are given separately)

Descriptions of WC pans, slop hoppers, etc shall be deemed to include for joints to soil pipes (pan connectors are separately measured)

As-built drawings

Where required, the contractor shall prepare an updated set of as-built drawings. At completion of the contract the contractor shall hand these drawings to the principal agent for reproducing onto the originals for handing over to the employer (provision for allowance of as-built drawings elsewhere)

**Carried to Collection**

Block E - Typical 6 Classroom Block  
 Bill No. 12  
 Plumbing and Drainage (Provisional)

R

French drains

Descriptions of french drains shall be deemed to include excavation, stone filling graded from 300mm diameter at bottom to 75mm diameter at top, geofabric filter blanket over stone, 300mm earthfilling over and disposal of surplus material on site

uPVC pipes and fittings

Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings

Soil, waste and vent pipes and fittings shall be solvent weld jointed or sealed with butyl rubber rings

**RAINWATER DISPOSAL**

Seamless aluminium prepainted gutters and rainwater pipes

1	150mm Half-round roof gutters with beaded front edge	m	101
2	100mm Diameter rainwater pipes	m	43
3	Extra over gutter for stopped end	No	4
4	Extra over gutter for outlet for 100mm pipe	No	12
5	Extra over rainwater pipe for bend	No	24
6	Extra over rainwater pipe for shoe	No	12
7	Extra over rainwater pipe for plinth bend	No	6

**Carried to Collection**

Block E - Typical 6 Classroom Block  
Bill No. 12  
Plumbing and Drainage (Provisional)

R

**STORMWATER CHANNELS**

Earthworks

8	Excavate average 125mm deep in earth to form "V" drain profile	m3	16
---	--	----	----

Concrete, Formwork and Reinforcing

25MPa/19mm Reinforced concrete to bottom and sides of "V" drain

9	"V" drains	m3	16
10	Finishing top surface of "V" drains smooth with a steel trowel to falls	m2	122
11	Rough formwork (Degree of accuracy III) to edges, risers, ends and reveals not exceeding 300mm high or wide	m	126
12	Type 193 fabric reinforcement in concrete surface beds etc	m2	122
13	10 x 150mm Pre-compressed bitumen impregnated foam plastic joint sealing strips between brickwork and concrete	m	118

**SOIL DRAINAGE**

Normal duty (Class 51) PVC-U sewer and drain pipes

14	110mm Pipes vertically or ramped to cleaning eyes etc (no excavation)	m	2
15	110mm Pipes laid in and including trenches not exceeding 1m deep	m	20

Extra over normal duty (Class 51) PVC-U sewer and drain pipes for fittings

16	110mm Bend	No	4
17	110mm Tee	No	12
18	110mm Access bend	No	21
19	110mm Access tee	No	4

**Carried to Collection**

Block E - Typical 6 Classroom Block  
Bill No. 12  
Plumbing and Drainage (Provisional)

R

**Mzuvele High School**  
**General Repairs and Renovations**

20	110mm Rodding eye	No	3
21	110mm Straight reducer	No	5
22	110mm Pan connector	No	13
23	110mm Vent iron cowl	No	5
<b><u>SANITARY FITTINGS</u></b>			
<u>"Vaal" or other equal and approved</u>			
24	School type lavatory wash hand basin fixed to wall	No	7
25	Low level wc suite comprising pan with double flap heavy duty plastic seat and matching 9 litre cistern with flush pipe	No	13
26	Lavatera 70400 1/2 wall urinal with spreader, waste union, and FJT5.5 flushpipe (flush valve elsewhere)	No	4
27	1200 x 535mm Single centre bowl sink	No	1
<b><u>WASTE UNIONS ETC</u></b>			
<u>"Cobra Watertech" or other equal and approved</u>			
28	32mm 301 CP basin waste union	No	8
<b><u>TRAPS ETC</u></b>			
<u>UPVC</u>			
29	110mm Two way vent valve	No	5
<u>Rubber</u>			
30	50mm "P" or "S" trap	No	25
<u>"Elf"</u>			
31	75mm VA3.113 CP hinged urinal domical grating	No	4
<b><u>TAPS, VALVES, ETC</u></b>			
32	PA3.522 "Masterflo" pressure control valve with vacuum breaker	No	2

**Carried to Collection**

Block E - Typical 6 Classroom Block  
Bill No. 12  
Plumbing and Drainage (Provisional)

R

**Mzuvele High School**  
**General Repairs and Renovations**

33	FJ100CP "Flushmaster Junior" urinal flush valve	No	4
34	HDPE/UPVC to transition fitting. Underground copper portion to be denzo wrapped (1m underground)	No	1
35	22mm Isolating Valve with handle nickel plated	No	25
36	PA3.132 "Masterflo" pressure control valve with vacuum breaker	No	1
37	FJ2100CP Cobra Flushmaster Junior flush valve	No	4
38	15mm 111-15CP pillar tap	No	7
<b><u>SANITARY PLUMBING</u></b>			
<u>uPVC soil and vent pipes</u>			
39	50mm Pipes	m	50
<u>Extra over uPVC soil and vent pipes for fittings</u>			
40	50mm Bend	No	4
41	50mm Access bend	No	12
42	50mm Tee junction	No	17
43	50mm Vent cowl	No	4
<b><u>WATER SUPPLIES</u></b>			
<u>Class 1 copper pipes with capillary couplings</u>			
44	22mm Pipes	m	65
45	28mm Pipes	m	15
46	32mm Pipes	m	5
<u>Extra over Class 1 copper pipes for capillary fittings</u>			
47	22mm Fittings	No	45
48	28mm Fittings	No	12
49	32mm Fittings	No	32

**Carried to Collection**

Block E - Typical 6 Classroom Block  
Bill No. 12  
Plumbing and Drainage (Provisional)

R



**Mzuvele High School  
General Repairs and Renovations**

Bill No. 12  
Plumbing and Drainage (Provisional)

**COLLECTION**

Total Brought Forward from Page No.

**Page  
No**  
195  
196  
197  
198  
199  
200  
201

**Amount**


**Carried Forward to Summary of Section No. 5**

Block E - Typical 6 Classroom Block  
Bill No. 12  
Plumbing and Drainage (Provisional)

R


Item No		Quantity	Rate	Amount
	<b><u>BILL NO. 13</u></b>			
	<b><u>ELECTRICAL WORK (PROVISIONAL)</u></b>			
	<b><u>BLOCK E</u></b>			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
	<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			
	<b><u>LOW TENSION DISTRIBUTION</u></b>			
	<b><u>DISTRIBUTION BOARD DB</u></b>			
1	Flush mounted distribution board in one section (uninterruptable power) with door, space for the following equipment and space for 6 additional circuit breakers, colour coded and installed in recess (elsewhere) in brick wall	No	1	
2	60A Triple pole isolator	No	1	
3	10A Single pole MCCB (5kA)	No	5	
	<b><u>CABLES</u></b>			
4	1.5mm <sup>2</sup> 3-Core	m	470	
	<b>Carried to Collection</b>			R
	Block E - Typical 6 Classroom Block Bill No. 13 Electrical work (Provisional)			

**Mzuvele High School**  
**General Repairs and Renovations**

5	2.5mm <sup>2</sup> 3-Core	m	150
6	16mm <sup>2</sup> 3-Core	m	60
	<u>Cable joints</u>		
7	1.5mm <sup>2</sup> 3-Core	No	2
8	16mm <sup>2</sup> 3-Core	No	2
	<u>Cable terminations</u>		
9	1.5mm <sup>2</sup> 3-Core	No	40
10	2.5mm <sup>2</sup> 3-Core	No	40
11	16mm <sup>2</sup> 3-Core	No	2
	<b><u>EARTH CONDUCTORS</u></b>		
	<u>Bare copper earth conductors laid with cable in trenches or sleeve pipes and bonded to cables with plastic strapping at 2m centres</u>		
	<u>PVC insulated copper earth conductors laid with cables in trenches or sleeve pipes and bonded to cables with plastic strapping at 2m centres</u>		
12	6mm <sup>2</sup>	m	60
	<b><u>SUNDRIES</u></b>		
13	Low tension room accessories comprising first aid kit, pair of rubber gloves and notices on door and inside the room complying with the Occupational Health and Safety Act, 1993	No	1
	<b><u>GENERAL LIGHTING AND POWER</u></b>		
	<b><u>CONDUITS ETC</u></b>		
	<u>Rigid PVC conduits</u>		
14	20mm Diameter	m	620
	<u>PVC conduit accessories</u>		
15	Round outlet box for 20mm conduit	No	62

**Carried to Collection**

Block E - Typical 6 Classroom Block  
Bill No. 13  
Electrical work (Provisional)

R

16	Deep type (concrete type) round outlet box for 20mm conduit	No	62
17	Standard draw box for 20mm conduit	No	62
18	50 x 100 x 50mm Outlet box	No	62
19	100 x 100 x 50mm Outlet box	No	62
20	100 x 100 x 50mm Outlet box with blank cover plate	No	62

**CONDUCTORS**

Bare copper conductors drawn into conduit, trunking or power skirting

PVC insulated stranded copper conductors drawn into conduit, trunking or power skirting

Heat resistant silicon insulated stranded copper conductors drawn into conduit, trunking or power skirting

21	1.5mm <sup>2</sup>	m	290
----	--------------------	---	-----

**DRAW-WIRES**

22	Galvanised steel draw-wires drawn into conduit	m	290
----	--	---	-----

**LIGHT SWITCHES, SOCKET OUTLETS, ETC**

23	Flush mounted bell push button	No	1
24	16A Flush mounted two lever one-way switch unit	No	11
25	16A Three pin flush mounted socket outlet with switch, single type	No	15

**LUMINAIRES**

26	Lascon V1-100BC/C/Plas economy injection moulded polycarbonate luminaire with 100W GLS lamp	No	47
----	---	----	----

**SUNDRIES**

27	Earthing of buildings		Item
28	Provision of as built drawings		Item

**Carried to Collection**

Block E - Typical 6 Classroom Block  
Bill No. 13  
Electrical work (Provisional)

R

29 Testing and commissioning the complete electrical installation

Item

**Carried to Collection**

Block E - Typical 6 Classroom Block  
Bill No. 13  
Electrical work (Provisional)

R

**Mzuvele High School  
General Repairs and Renovations**

Bill No. 13  
Electrical work (Provisional)

**COLLECTION**

Total Brought Forward from Page No.

**Page  
No**

**Amount**

203  
204  
205  
206


**Carried Forward to Summary of Section No. 5**

Block E - Typical 6 Classroom Block  
Bill No. 13  
Electrical work (Provisional)

R




Item No	Quantity	Rate	Amount
<p><b><u>BILL NO. 15</u></b></p>			
<p><b><u>PAINTWORK (PROVISIONAL)</u></b></p>			
<p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p>			
<p><b><u>PREPARATORY WORK TO EXISTING WORK</u></b></p>			
<p><u>Previously painted plastered surfaces</u></p>			
<p>Surfaces shall be thoroughly washed down and allowed to dry completely before any paint is applied. Blistered or peeling paint shall be completely removed and cracks shall be opened, filled with a suitable filler and finished smooth</p>			
<p><u>Previously painted metal surfaces</u></p>			
<p>Surfaces shall be thoroughly rubbed and cleaned down. Blistered or peeling paint shall be completely removed down to bare metal</p>			
<p><u>Previously painted wood surfaces</u></p>			
<p>Surfaces shall be thoroughly cleaned down. Blistered or peeling paint shall be completely removed and cracks and crevices shall be primed, filled with suitable filler and finished smooth</p>			
<p><b><u>PAINT SPECIFICATIONS</u></b></p>			
<p>All painting shall be done in accordance with manufacturer's specifications unless otherwise described</p>			
<p><b><u>COLOURS</u></b></p>			
<p>Unless otherwise described paintwork on ceilings shall be deemed to be in the "White" colour group and paintwork on all other components shall be deemed to be in the "Pastel" colour group in accordance with the Natural Colour System (NCS) adopted by the SA National Standards</p>			
<p><b>Carried to Collection</b></p>			
<p>Block E - Typical 6 Classroom Block Bill No. 15 Paintwork (Provisional)</p>			
		R	

**PAINTWORK ETC TO NEW WORK**

**ON INTERNAL FLOATED PLASTER SURFACES**

One coat alkali resistant primer, one universal undercoat and two coats quality Pva paint

1	Walls	m2	336		
---	-------	----	-----	--	--

**ON PLASTERBOARD SURFACES**

One coat primer, one universal undercoat and two coats exterior quality "Cemote" pva paint

2	Ceilings and cornices	m2	335		
---	-----------------------	----	-----	--	--

**ON FIBRE-CEMENT BOARD SURFACES**

Two coats extremely durable UV-resistant, washable pure acrylic emulsion sheen paint

3	Fascias and barge boards, including priming metal jointing strips	m2	61		
---	---	----	----	--	--

**ON WOOD SURFACES**

One coat primer, one coat alkyd based universal undercoat and two coats superior quality universal enamel paint

4	Laminated beam	m2	37		
---	----------------	----	----	--	--

5	Doors	m2	38		
---	-------	----	----	--	--

**PAINTWORK, ETC TO PREVIOUSLY PAINTED WORK**

**ON METAL SURFACES**

One coat alkyd based zinc phosphate primer and two coats premium quality polyurethane enamel paint, on steel

6	Windows	m2	116		
---	---------	----	-----	--	--

7	Door frame	m2	18		
---	------------	----	----	--	--

**Carried to Collection**

Block E - Typical 6 Classroom Block  
Bill No. 15  
Paintwork (Provisional)

R

**Mzuvele High School  
General Repairs and Renovations**

Bill No. 15  
Paintwork (Provisional)

**COLLECTION**

Total Brought Forward from Page No.

**Page  
No**

209

210

**Amount**

**Carried Forward to Summary of Section No. 5**

Block E - Typical 6 Classroom Block  
Bill No. 15  
Paintwork (Provisional)

R

**SECTION SUMMARY - Block E - Typical 6 Classroom Block**

Bill No		Page No	Amount
1	Alterations (Provisional)	175	
2	Earthworks (Provisional)	178	
3	Concrete, Formwork and Reinforcement (Provisional)	181	
4	Masonry (Provisional)	182	
5	Roof Coverings (Provisional)	183	
6	Carpentry and Joinery (Provisional)	187	
7	Ceilings, Partitions and Access Flooring (Provisional)	188	
8	Floor Coverings, Wall Linings, etc. (Provisional)	189	
9	Ironmongery (Provisional)	192	
10	Metalwork (Provisional)	193	
11	Plastering (Provisional)	194	
12	Plumbing and Drainage (Provisional)	202	
13	Electrical work (Provisional)	207	
14	Glazing (Provisional)	208	
15	Paintwork (Provisional)	211	
	<b>Carried to Final Summary</b>		
	Block E - Typical 6 Classroom Block		R

Item No	Quantity	Rate	Amount
<p><b><u>BILL NO. 1</u></b></p>			
<p><b><u>ALTERATIONS (PROVISIONAL)</u></b></p>			
<p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p>			
<p><u>View site</u></p>			
<p>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</p>			
<p><u>Explosives</u></p>			
<p>No explosives whatsoever may be used for demolition purposes unless otherwise stated</p>			
<p><u>General</u></p>			
<p>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</p>			
<p>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</p>			
<p><b>Carried to Collection</b></p>			
<p>Block E - Ablutions Bill No. 1 Alterations (Provisional)</p>			
		R	

Doors, fanlights, fittings, frames, linings, etc which are to be re-used shall be thoroughly overhauled before refixing including taking off, easing and rehangng, 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 re-varnishing 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

Making good of finishes shall include making good of the brick and concrete surfaces onto which the new finishes are applied, where necessary

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)

Damage to existing finishes

The Contractor will be held responsible for all damage, however caused, to existing finishes and fittings etc. and he must make good all damage at his own expense to the approval of the Principal Agent.

Breaking down, demolition and alteration activities and tasks, hacking off of existing plaster, etc. is to be executed with care so as to prevent damage to remaining floor and wall surfaces and finishes (where these are to be retained). Tenders will be deemed to include allowance for any necessary protection of existing surfaces and structures as may be necessary to effect the above, as the cost of repairing damage to existing surfaces and structures will be solely for the Contractors account.

**Carried to Collection**

Block E - Ablutions  
Bill No. 1  
Alterations (Provisional)

R

Removal of materials

Where removal is included in the heading, sub-heading or item description, prices shall be deemed to include for the necessary costs in removal and appropriate disposal of materials including but not limited to labour, transportation and disposal costs. No further claims in this regard will be entertained.

Removal of asbestos material

The removal of asbestos shall be carried out strictly by a certified entity, registered in accordance with the Occupational Health and Safety Act and the Asbestos Regulation.

Asbestos in all forms/building elements that is to be removed, shall be carried out in strict accordance with aforementioned regulation, and a certificate issued by the entity as contemplated in the above, shall be provided per block for the removal thereof, where the term block shall in this context refer to any single, free standing building structure, regardless of size or purpose.

Corresponding disposal certificates shall be issued by the facility at which the asbestos is disposed of, with said facility to, prior to the disposal of any asbestos material provide satisfactory proof that the facility is duly registered and fully compliant in terms of the act, to receive the asbestos material.

Under no circumstances is the contractor nor any of his duly authorised representatives to sell and/or give away asbestos material to any member/s of the school community, the community in general or the public at large. Should this be found to be occurring, the contractor will be held responsible contractually and may further be prosecuted criminally.

The cost for complying with the above, and all requirements of regulation as reflected above is to be priced for in the items for removal of asbestos material. No further claims in this regard will therefore be entertained.

**Carried to Collection**

Block E - Ablutions  
 Bill No. 1  
 Alterations (Provisional)

R

**REMOVAL OF EXISTING WORK**

<u>Breaking up and removing unreinforced concrete</u>			
1	Steps	m3	1
<u>Breaking up and removing unreinforced concrete</u>			
2	100mm Thick surface beds	m2	29
<u>Breaking down and removing brickwork etc</u>			
3	One brick walls	m2	9
<u>Taking out and removing doors, windows, etc., including thresholds, sills, etc. (building up openings and making good finishes elsewhere)</u>			
4	Timber single door not exceeding 2,5m <sup>2</sup>	No	10
5	Servicing of existing steel windows with new timber louvres, hinges, latches etc	No	8
<b><u>Note: Tenderers are referred to the foregoing supplementary preambles within this trade when pricing the following item (removal of asbestos)</u></b>			
<u>Taking down and removal of Asbestos by Specialist</u>			
6	Asbestos roof sheets, including all timber purlins, fixings, etc.	m2	52
<u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc</u>			
7	Double pitch timber roof structure with two gable ends, overall size 12.55 x 7.65 x 1.50m high including wall plates, bracing etc.	m2	52
8	Gypsum plasterboard ceilings, including timber bandering, cornices, etc	m2	35
9	Barge boards	m	18
10	Fascia boards	m	11
11	Eaves gutters	m	11

**Carried to Collection**

R

Block E - Ablutions  
Bill No. 1  
Alterations (Provisional)

**Mzuvele High School**  
**General Repairs and Renovations**

12	Rainwater pipes	m	6		
	<u>Taking out and removing ironmongery</u>				
13	Toilet paper holder from wall	No	8		
	<u>Taking out/off and removing sundry metalwork</u>				
14	Steel single leaf security gate not exceeding 2,5m <sup>2</sup>	No	2		
	<u>Hacking up/off and removing tile floor and wall finishers including removing mortar bed or backing and preparing concrete or brick surfaces for new screed, plaster or tile finishers</u>				
15	Ceramic wall tiles	m <sup>2</sup>	2		
16	Ceramic floor tiles	m <sup>2</sup>	33		
	<u>Hacking up/off and removing granolithic, screeds, plaster, etc from concrete or brickwork and preparing surfaces for new screed, plaster, tile finishes, etc</u>				
17	30mm Screed from floors	m <sup>2</sup>	33		
18	Internal plaster from walls	m <sup>2</sup>	145		
	<u>Taking out and removing piping, including cutting off as necessary, holderbats and making good floor and wall finishes (making good tiling and paintwork elsewhere)</u>				
19	PVC piping not exceeding 50mm diameter	m	45		
20	PVC piping exceeding 100mm and not exceeding 200mm diameter	m	20		
	<u>Taking out and removing sanitary fittings, tanks, geysers, etc, including disconnecting from pipes, traps, etc and making good floor and wall finishes (making good tiling and paintwork elsewhere)</u>				
21	Vitreous china wash hand basin	No	6		
22	Vitreous china WC pan with cistern and flush pipe	No	8		
<b>Carried to Collection</b>					
Block E - Ablutions Bill No. 1 Alterations (Provisional)				R	

	<u>Taking out/off and removing glass and mirrors</u>			
23	Glass from steel windows, including cleaning out rebates and preparing for new glass (new glass elsewhere)	m2	1	
	<b><u>MAKING GOOD OF FINISHES, ETC</u></b>			
	<u>Cleaning brickwork</u>			
24	Acid cleaning external face brickwork with high pressure cleaner and leave walls clean, in perfect condition	m2	77	
	<b><u>MAKING GOOD OF EXISTING WORKS</u></b>			
25	Repairs to existing surface beds, including filling in cracks, with an approved filler, stitching as required, etc	m2	2	
	<b>Carried to Collection</b>			R
	Block E - Ablutions Bill No. 1 Alterations (Provisional)			

**Mzuvele High School  
General Repairs and Renovations**

Bill No. 1

Alterations (Provisional)

**COLLECTION**

Total Brought Forward from Page No.

**Page  
No**

**Amount**

213

214

215

216

217

218

**Carried Forward to Summary of Section No. 6**

Block E - Ablutions  
Bill No. 1  
Alterations (Provisional)

R

Item No		Quantity	Rate	Amount
	<b><u>BILL NO. 2</u></b>			
	<b><u>EARTHWORKS (PROVISIONAL)</u></b>			
	<b><u>EXCAVATION, FILLING, ETC OTHER THAN BULK</u></b>			
	<b><u>EXCAVATIONS, ETC</u></b>			
	<u>Excavation in earth not exceeding 2m deep</u>			
1	Thickening under surface beds, etc.	m3	5	
	<u>Extra over trench and hole excavations in earth for excavation in</u>			
2	Soft rock	m3	1	
3	Hard rock	m3	1	
	<u>Risk of collapse of excavations</u>			
4	Sides of trench and hole excavations not exceeding 1,5m deep	m2	8	
	<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 95% Mod AASHTO density	m2	38	
	<b><u>FILLING ETC</u></b>			
	<u>Earth filling obtained from the excavations and/or prescribed stock piles on site, compacted to 95% Mod AASHTO density</u>			
6	Backfilling to trenches, holes, etc	m3	1	
	<b>Carried to Collection</b>			R
	Block E - Ablutions			
	Bill No. 2			
	Earthworks (Provisional)			

**WEED KILLERS, INSECTICIDES, ETC**

Soil insecticide in accordance with SANS 5859

7	Under floors etc, including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m2	38
---	--	----	----

**Carried to Collection**

R

Block E - Ablutions  
Bill No. 2  
Earthworks (Provisional)

**Mzuvele High School  
General Repairs and Renovations**

Bill No. 2

Earthworks (Provisional)

**COLLECTION**

Total Brought Forward from Page No.

**Page  
No**

220

221

**Amount**

**Carried Forward to Summary of Section No. 6**

Block E - Ablutions  
Bill No. 2  
Earthworks (Provisional)

R

Item No		Quantity	Rate	Amount
	<p><b><u>BILL NO. 3</u></b></p> <p><b><u>CONCRETE, FORMWORK AND REINFORCEMENT (PROVISIONAL)</u></b></p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><u>Cost of tests</u></p> <p>The costs of making, storing and testing of concrete test cubes as required under clause 7 "Tests" of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the principal agent. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval of the principal agent. (Test cubes are measured separately)</p> <p><u>Formwork</u></p> <p>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</p> <p>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"</p> <p><b><u>REINFORCED CONCRETE CAST ON/IN FORMWORK</u></b></p> <p><u>25MPa/19mm concrete</u></p>			
1	Surface beds on waterproofing	m3	5	
	<b>Carried to Collection</b>			R
	Block E - Ablutions Bill No. 3 Concrete, Formwork and Reinforcement (Provisional)			

<b><u>TEST CUBES</u></b>					
2	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	1		
<b><u>CONCRETE SUNDRIES</u></b>					
<u>Finishing top surfaces of concrete smooth with a steel trowel</u>					
3	Surface beds, slabs, etc	m2	38		
<b><u>ROUGH FORMWORK (DEGREE OF ACCURACY III)</u></b>					
<u>Rough formwork to sides</u>					
4	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	38		
<b><u>REINFORCEMENT</u></b>					
<u>Fabric reinforcement</u>					
5	Type 193 fabric reinforcement in concrete surface beds etc	m2	38		
<b>Carried to Collection</b>					
Block E - Ablutions					
Bill No. 3					
Concrete, Formwork and Reinforcement (Provisional)					
					R

Bill No. 3  
Concrete, Formwork and Reinforcement (Provisional)

**COLLECTION**

Total Brought Forward from Page No.

**Page  
No**  
223  
224

**Amount**

**Carried Forward to Summary of Section No. 6**  
Block E - Ablutions  
Bill No. 3  
Concrete, Formwork and Reinforcement (Provisional)

R



Item No		Quantity	Rate	Amount
	<b><u>BILL NO. 5</u></b>			
	<b><u>ROOF COVERINGS (PROVISIONAL)</u></b>			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
	<b><u>Proprietary items or materials</u></b>			
	Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Head			
	<b><u>PROFILED METAL SHEETING AND ACCESSORIES</u></b>			
	<u>0.50mm - G550 AZ150, ColorPlus® Steel IBR with integral stiffening rib steel roof sheeting and accessories with ColorPlus® and ZincAL® finish on one side and protective primer coating on the reverse side fixed to timber purlins with equal spacing (timber purlins measured elsewhere)</u>			
1	Roof covering with pitches not exceeding 25 degrees	m2	52	
2	Ridge cappings 475mm girth	m	6	
	<b><u>ROOF AND WALL INSULATION</u></b>			
	<u>Multi-layered reinforced double-sided aluminium foil sheeting in accordance with SANS 1381-4 with a mass of not less than 293g/m<sup>2</sup> and a Class I fire rating in accordance with SANS 0177-3</u>			
3	Insulation sheeting laid taut over purlins (at approximately 1200mm centres) and fixed concurrent with roof covering with minimum 150mm stapled laps including galvanised steel straining wires at not exceeding 400mm centres and double-sided tape at edges where required	m2	52	
	<b>Carried Forward to Summary of Section No. 6</b>			R
	Block E - Ablutions			
	Bill No. 5			
	Roof Coverings (Provisional)			

Item No	Quantity	Rate	Amount
<p><b><u>BILL NO. 6</u></b></p>			
<p><b><u>CARPENTRY AND JOINERY (PROVISIONAL)</u></b></p>			
<p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p>			
<p><u>Fixing</u></p>			
<p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete</p>			
<p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere</p>			
<p><u>Joinery</u></p>			
<p>Descriptions of hardwood joinery shall be deemed to include sinking and pelleting heads and nuts of bolts</p>			
<p><b><u>ROOFS ETC</u></b></p>			
<p><b><u>PLATE NAILED TIMBER ROOF TRUSS CONSTRUCTION ETC</u></b></p>			
<p><u>SUPPLEMENTARY PREAMBLES</u></p>			
<p>Trusses are at maximum 1200mm centres</p>			
<p>Roof covering is 0.50mm - G550 AZ150, ColorPlus® Steel IBR with integral stiffening rib steel roof sheeting and accessories with ColorPlus® and ZincAL® finish on one side and protective primer coating on the reverse side fixed to timber purlins with equal spacing.</p>			
<p>Ceilings are 6,4mm rhinoboard on 38 x 38mm brandering</p>			
<p><b>Carried to Collection</b></p>			
<p>Block E - Ablutions Bill No. 6 Carpentry and Joinery (Provisional)</p>			
		R	

**Mzuvele High School  
General Repairs and Renovations**

Dimensions in descriptions of trusses are nominal and actual measurements are to be obtained from the architect/engineer and/or taken on site before design or fabrication commences

1	Supply and install prefabricated timber roof truss system complete and in accordance with the Standard Building Regulations. Truss spanning 10525 x 1700mm high overall with 700mm eaves projection on both sides	No	5
<u>Sawn softwood</u>			
2	38 x 114mm Wall plates	m	10
3	50 x 76mm Purlins	m	69
4	38 x 114mm Bracing	m	6
<u>Sundries</u>			
5	Wrought faces on sawn timbers	m2	4
6	Two coats creosote on sawn timbers	m2	4
<b><u>EAVES, VERGES, ETC</u></b>			
<u>Medium density plain fibre-cement fascias and barge boards</u>			
7	80 x 200mm Angle section barge boards including galvanised steel H-profile jointing strips and fix with hot dip galvanised screws and washers	m	18
8	12 x 225mm Medium density fascia boards including galvanised H-profile jointing strips tied with and including hot dipped galvanised screws and washers	m	11

**Carried to Collection**

R

Block E - Ablutions  
Bill No. 6  
Carpentry and Joinery (Provisional)

**TIMBER DOORS, WINDOWS, ETC**

Wrought meranti doors hung to timber/steel frames

9 44mm Framed, ledged and braced batten door 813 x 2032mm high of 40 x110mm wide top rail and stiles, 20 x 150mm middle ledge and braces and 20 x 225mm bottom ledge, filled in with 22mm tongued and grooved V-jointed one side vertical boarding with tongued and grooved joints to top rail and stiles and with inner edges of framing and abutting edges of boarding chamfered to form V-joint

No

2

Semi-solid flush doors with commercial veneer suitable for painting

10 44mm Door 813 x 2032mm high

No

8

**Carried to Collection**

R

Block E - Ablutions  
Bill No. 6  
Carpentry and Joinery (Provisional)

Bill No. 6

Carpentry and Joinery (Provisional)

**COLLECTION**

Total Brought Forward from Page No.

**Page  
No**

**Amount**

228

229

230

**Carried Forward to Summary of Section No. 6**

Block E - Ablutions

Bill No. 6

Carpentry and Joinery (Provisional)

R

Item No	Quantity	Rate	Amount
<b><u>BILL NO. 7</u></b>			
<b><u>CEILING, PARTITIONS AND ACCESS FLOORING (PROVISIONAL)</u></b>			
<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
<u>Fixing</u>			
Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete			
Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere			
<u>Ceilings</u>			
Unless otherwise described ceilings shall be deemed to be horizontal			
<b><u>Proprietary items or materials</u></b>			
Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Head			
<b><u>NAILED-UP CEILINGS</u></b>			
<u>6,4mm Fibre-cement plain ceiling boards with H-profile galvanised steel jointing strips</u>			
1	Ceilings including 38 x 38mm sawn softwood bandering at 400mm centres	m2	35
2	Extra over ceiling for 600 x 600mm trap door of 38 x 38mm wrought softwood rebated framing with one cross brander, covered with ceiling board and fitted flush in opening, including necessary trimmers around	No	1
<u>Nucornice foam plastic cornices</u>			
3	75mm Coved cornices	m	34
<b>Carried Forward to Summary of Section No. 6</b>			R
Block E - Ablutions Bill No. 7 Ceilings, Partitions and Access Flooring (Provisional)			

Item No	Quantity	Rate	Amount
<p><b><u>BILL NO. 8</u></b></p>			
<p><b><u>IRONMONGERY (PROVISIONAL)</u></b></p>			
<p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p>			
<p><u>Proprietary items</u></p>			
<p>Where applicable the manufacturers' names or product catalogue titles are given in sub-headings preceding the items</p>			
<p>Prices are to be based on the specific products/articles specified. If tenderers wish to offer alternative products/articles for certain items, these items are to be clearly marked and the alternative specification given with supporting brochures etc clarifying the features of the products/articles offered</p>			
<p>On request returnable samples are to be provided to the principal agent for consideration</p>			
<p><u>Finishes to ironmongery</u></p>			
<p>Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list:</p>			
<p>BS Satin bronze lacquered</p>			
<p>CH Chromium plated</p>			
<p>SC Satin chromium plated</p>			
<p>SE Silver enamelled</p>			
<p>GE Grey enamelled</p>			
<p>AN Anodised natural</p>			
<p>AS Anodised silver</p>			
<p>AB Anodised bronze</p>			
<p>AG Anodised gold</p>			
<p>ABL Anodised black</p>			
<p>PB Polished brass</p>			
<p>PL Polished and lacquered</p>			
<p>PT Epoxy coated</p>			
<p>SD Sanded</p>			
<p><b><u>Proprietary items or materials</u></b></p>			
<p>Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Head</p>			
<p><b>Carried to Collection</b></p>			
<p>Block E - Ablutions Bill No. 8 Ironmongery (Provisional)</p>			
			R

**HINGES, BOLTS, ETC**

Manufactured by "Union" or other equal and approved

1	100mm Aluminium butt hinge	No	20	
2	WC chrome plated indicator bolt	No	8	

**LOCKS**

Manufactured by "Union" or other equal and approved

3	Solid art 390/313 Four Lever mortice lockset with and including Satin Chrome Plated handles	No	2	
---	---	----	---	--

**LETTERS, NAMEPLATES, ETC**

Manufactured by "Union" or other equal and approved

4	150 x 150mm Anodised aluminium plate with male symbol	No	1	
5	150 x 150mm Anodised aluminium plate with female symbol	No	1	

**SUNDRIES**

Manufactured by "Union" or other equal and approved

6	38mm Diameter door stop plugged and screwed to floor with a 50mm long brass screw	No	10	
---	---	----	----	--

**Carried to Collection**

Block E - Ablutions  
Bill No. 8  
Ironmongery (Provisional)

R

**BATHROOM FITTINGS**

Manufactured by "Union" or other equal and approved

7	Toilet roll holder, plugged	No	6		
---	-----------------------------	----	---	--	--

**Carried to Collection**

Block E - Ablutions  
 Bill No. 8  
 Ironmongery (Provisional)

R

**Mzuvele High School  
General Repairs and Renovations**

Bill No. 8

Ironmongery (Provisional)

**COLLECTION**

Total Brought Forward from Page No.

**Page  
No**

233

234

235

**Amount**

**Carried Forward to Summary of Section No. 6**

Block E - Ablutions  
Bill No. 8  
Ironmongery (Provisional)

R

Item No	Quantity	Rate	Amount
<b><u>BILL NO. 9</u></b>			
<b><u>METALWORK (PROVISIONAL)</u></b>			
<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
<u>Descriptions of bolts, anchors, etc</u>			
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			
Items described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described			
<b><u>Proprietary items or materials</u></b>			
Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Head			
<b><u>GALVANISED STEEL GATES, SCREENS, ETC</u></b>			
<u>Welded screens and gates</u>			
1	No	2	
Single hot dipped galvanised mild steel gate, 980mm x 2032mm formed of 40 x 60 x 3mm hollow sectioned frames and midrail, filled in with 12mm solid square vertical bars at 110mm centres including all ironmongery to fix on wall and padlock set, etc.			
<b>Carried Forward to Summary of Section No. 6</b>			R
Block E - Ablutions Bill No. 9 Metalwork (Provisional)			

Item No		Quantity	Rate	Amount
	<b><u>BILL NO. 10</u></b>			
	<b><u>PLASTERING (PROVISIONAL)</u></b>			
	<b><u>SCREEDS</u></b>			
	<u>Screeds steel trowelled, on concrete</u>			
1	30mm Thick on floors and landings	m2	378	
	<b><u>INTERNAL PLASTER</u></b>			
	<u>Cement plaster steel trowelled, on brickwork</u>			
2	On walls	m2	145	
3	On narrow widths	m2	1	
	<b>Carried Forward to Summary of Section No. 6</b>			
	Block E - Ablutions			
	Bill No. 10			
	Plastering (Provisional)			
			R	

Item No		Quantity	Rate	Amount
	<b><u>BILL NO. 11</u></b>			
	<b><u>TILING (PROVISIONAL)</u></b>			
	<b><u>WALL TILING</u></b>			
	<u>White glazed ceramic tiles (PC sum R140.00/m<sup>2</sup> for supply and delivery, excluding labour, waste and VAT) on brickwork including cement plaster backing</u>			
1	On walls	m2	2	
	<b><u>FLOOR TILING</u></b>			
	<u>Ceramic floor tiles (PC sum R140.00/m<sup>2</sup> for supply and delivery, excluding labour, waste and VAT) fixed with adhesive to bedding and flush pointed with tinted jointing compound</u>			
2	On floors and landings	m2	33	
3	70mm High cut tile skirting	m	34	
	<b>Carried Forward to Summary of Section No. 6</b>			
	Block E - Ablutions			
	Bill No. 11			
	Tiling (Provisional)			
			R	

Item No	Quantity	Rate	Amount
<p><b><u>BILL NO. 12</u></b></p>			
<p><b><u>PLUMBING AND DRAINAGE (PROVISIONAL)</u></b></p>			
<p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p>			
<p><u>Wire gratings</u></p>			
<p>Descriptions of gutter outlets etc shall be deemed to include wire balloon gratings</p>			
<p><u>Stormwater channels</u></p>			
<p>Descriptions of channels shall be deemed to include necessary excavation, surface preparation, compaction, etc, and disposal of surplus material on site</p>			
<p><u>PVC-U pipes and fittings</u></p>			
<p>Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings</p>			
<p>Soil, waste and vent pipes and fittings shall be solvent weld jointed or sealed with butyl rubber rings</p>			
<p><u>Polypropylene pipes</u></p>			
<p>Polypropylene pipes 54mm diameter and smaller shall be seamless copper coloured Class 16 pipes jointed with heat welded thermoplastic or where so described compression fittings</p>			
<p>Pipes shall be firmly fixed to walls, etc with coloured nylon snap-in pipe clips with provision for accommodating thermal movement and jointed and fixed strictly in accordance with the manufacturer's instructions</p>			
<p><u>Fixing of pipes</u></p>			
<p>Unless specifically otherwise stated, descriptions of pipes shall be deemed to include fixing to walls, etc, casting in, building in or suspending not exceeding 1m below suspension level</p>			
<p><b>Carried to Collection</b></p>			
<p>Block E - Ablutions Bill No. 12 Plumbing and Drainage (Provisional)</p>			
		R	

Laying, backfilling, bedding, etc of pipes

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

Where no manufacturers' instructions exist, pipes shall be laid in accordance with the relevant section of SANS 2001

General

Descriptions of cast iron roof outlets shall be deemed to include joints to pipes and casting into concrete (adaptors for joints to PVC pipes, etc are given separately)

Descriptions of overflow pipes where measured in number, shall be deemed to include joints to cisterns and splay cut ends

Descriptions of pipes laid in and including trenches and of inspection chambers, catchpits, etc shall be deemed to include excavation, bedding, backfilling, compaction to a minimum of 93% Mod AASHTO density and disposal of surplus material on site

Descriptions of service pipes and flexible connecting pipes shall be deemed to include connections to taps, cisterns, etc and to steel pipes (adaptors for connections to copper pipes, etc are given separately)

Descriptions of WC pans, slop hoppers, etc shall be deemed to include for joints to soil pipes (pan connectors are separately measured)

As-built drawings

Where required, the contractor shall prepare an updated set of as-built drawings. At completion of the contract the contractor shall hand these drawings to the principal agent for reproducing onto the originals for handing over to the employer (provision for allowance of as-built drawings elsewhere)

**Carried to Collection**

Block E - Ablutions  
Bill No. 12  
Plumbing and Drainage (Provisional)

R

French drains

Descriptions of french drains shall be deemed to include excavation, stone filling graded from 300mm diameter at bottom to 75mm diameter at top, geofabric filter blanket over stone, 300mm earthfilling over and disposal of surplus material on site

uPVC pipes and fittings

Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings

Soil, waste and vent pipes and fittings shall be solvent weld jointed or sealed with butyl rubber rings

**RAINWATER DISPOSAL**

Seamless aluminium prepainted gutters and rainwater pipes

1	150mm Half-round roof gutters with beaded front edge	m	11
2	100mm Diameter rainwater pipes	m	6
3	Extra over gutter for stopped end	No	4
4	Extra over gutter for outlet for 100mm pipe	No	2
5	Extra over rainwater pipe for bend	No	4
6	Extra over rainwater pipe for shoe	No	2

**Carried to Collection**

Block E - Ablutions  
Bill No. 12  
Plumbing and Drainage (Provisional)

R

**STORMWATER CHANNELS**

Earthworks

7	Excavate average 125mm deep in earth to form "V" drain profile	m3	5
---	--	----	---

Concrete, Formwork and Reinforcing

25MPa/19mm Reinforced concrete to bottom and sides of "V" drain

8	"V" drains	m3	5
---	------------	----	---

9	Finishing top surface of "V" drains smooth with a steel trowel to falls	m2	38
---	---	----	----

10	Rough formwork (Degree of accuracy III) to edges, risers, ends and reveals not exceeding 300mm high or wide	m	42
----	---	---	----

11	Type 193 fabric reinforcement in concrete surface beds etc	m2	38
----	--	----	----

12	10 x 150mm Pre-compressed bitumen impregnated foam plastic joint sealing strips between brickwork and concrete	m	34
----	--	---	----

**SOIL DRAINAGE**

Normal duty (Class 51) PVC-U sewer and drain pipes

13	110mm Pipes vertically or ramped to cleaning eyes etc (no excavation)	m	1
----	---	---	---

14	110mm Pipes laid in and including trenches not exceeding 1m deep	m	29
----	--	---	----

Extra over normal duty (Class 51) PVC-U sewer and drain pipes for fittings

15	110mm Bend	No	8
----	------------	----	---

16	110mm Tee	No	1
----	-----------	----	---

17	110mm Access bend	No	7
----	-------------------	----	---

18	110mm Access tee	No	1
----	------------------	----	---

**Carried to Collection**

R

Block E - Ablutions  
Bill No. 12  
Plumbing and Drainage (Provisional)

**Mzuvele High School**  
**General Repairs and Renovations**

19	110mm Rodding eye	No	2
20	110mm Straight reducer	No	8
21	22mm Socket	No	6
22	28mm Socket	No	2
23	110mm Pan connector	No	8
24	110mm PVC tovent iron connector	No	2
25	110mm Vent iron cowl	No	2

**SANITARY FITTINGS**

"Vaal" or other equal and approved

26	School type lavatory wash hand basin fixed to wall	No	6
27	Low level wc suite comprising pan with double flap heavy duty plastic seat and matching 9 litre cistern with flush pipe	No	8

**WASTE UNIONS ETC**

"Cobra Watertech" or other equal and approved

28	32mm 301 CP basin waste union	No	6
----	-------------------------------	----	---

**TRAPS ETC**

UPVC

29	110mm Two way vent valve	No	4
----	--------------------------	----	---

Rubber

30	50mm "P" or "S" trap	No	8
----	----------------------	----	---

**TAPS, VALVES, ETC**

31	PA3.522 "Masterflo" pressure control valve with vacuum breaker	No	2
----	--	----	---

32	HDPE/UPVC to transition fitting. Underground copper portion to be denzo wrapped (1m underground)	No	15
----	--	----	----

**Carried to Collection**

Block E - Ablutions  
Bill No. 12  
Plumbing and Drainage (Provisional)

R

**Mzuvele High School**  
**General Repairs and Renovations**

33	22mm CP fullway isolating Valve with handle nickel plated	No	2
34	28mm CP fullway isolating Valve with handle nickel plated	No	2
35	15mm 111-15CP pillar tap	No	2
<b><u>SANITARY PLUMBING</u></b>			
<u>uPVC soil and vent pipes</u>			
36	50mm Pipes	m	13
37	100mm Pipes	m	44
<u>Extra over uPVC soil and vent pipes for fittings</u>			
38	50mm Bend	No	15
39	100mm Bend	No	3
40	50mm Access bend	No	4
41	100mm Inspection eye	No	3
42	50mm Tee	No	2
43	50mm Access bend	No	18
44	100mm to 50mm reducer	No	3
45	50mm Tee junction	No	18
46	100mm Tee with junction	No	18
47	50mm Vent cowl	No	15

**Carried to Collection**

Block E - Ablutions  
Bill No. 12  
Plumbing and Drainage (Provisional)

R

**WATER SUPPLIES**

Class 1 copper pipes with capillary couplings

48	22mm Pipes	m	33
49	28mm Pipes	m	58
50	32mm Pipes	m	13

Extra over Class 1 copper pipes for capillary fittings

51	22mm Fittings	No	93
52	28mm Fittings	No	21
53	32mm Fittings	No	6

Testing

54	Testing water pipe system		Item
----	---------------------------	--	------

**Carried to Collection**

Block E - Ablutions  
Bill No. 12  
Plumbing and Drainage (Provisional)

R

**Mzuvele High School  
General Repairs and Renovations**

Bill No. 12  
Plumbing and Drainage (Provisional)

**COLLECTION**

Total Brought Forward from Page No.

**Page  
No**  
240  
241  
242  
243  
244  
245  
246

**Amount**

**Carried Forward to Summary of Section No. 6**

Block E - Ablutions  
Bill No. 12  
Plumbing and Drainage (Provisional)

R

Item No		Quantity	Rate	Amount
	<b><u>BILL NO. 13</u></b>			
	<b><u>GLAZING (PROVISIONAL)</u></b>			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
	<u>Float glass</u>			
	The term "float glass" is used for monolithic annealed glass			
	<b><u>GLAZING TO STEEL WITH PUTTY</u></b>			
	<u>4mm Clear float glass</u>			
1	Panes exceeding 0,1m <sup>2</sup> and not exceeding 0,5m <sup>2</sup>	m2	6	
	<b><u>TOPS, SHELVES, DOORS, MIRRORS, ETC</u></b>			
	<u>4mm Silvered float glass copper backed mirrors with polished edges, holed for and fixed with chromium plated dome capped mirror screws with rubber buffers to plugs in brickwork or concrete</u>			
2	Mirror 450 x 600mm high with four screws	No	24	
	<b>Carried Forward to Summary of Section No. 6</b>			R
	Block E - Ablutions			
	Bill No. 13			
	Glazing (Provisional)			

Item No	Quantity	Rate	Amount
<p><b><u>BILL NO. 14</u></b></p>			
<p><b><u>PAINTWORK (PROVISIONAL)</u></b></p>			
<p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p>			
<p><b><u>PREPARATORY WORK TO EXISTING WORK</u></b></p>			
<p><u>Previously painted plastered surfaces</u></p>			
<p>Surfaces shall be thoroughly washed down and allowed to dry completely before any paint is applied. Blistered or peeling paint shall be completely removed and cracks shall be opened, filled with a suitable filler and finished smooth</p>			
<p><u>Previously painted metal surfaces</u></p>			
<p>Surfaces shall be thoroughly rubbed and cleaned down. Blistered or peeling paint shall be completely removed down to bare metal</p>			
<p><u>Previously painted wood surfaces</u></p>			
<p>Surfaces shall be thoroughly cleaned down. Blistered or peeling paint shall be completely removed and cracks and crevices shall be primed, filled with suitable filler and finished smooth</p>			
<p><b><u>PAINT SPECIFICATIONS</u></b></p>			
<p>All painting shall be done in accordance with manufacturer's specifications unless otherwise described</p>			
<p><b><u>COLOURS</u></b></p>			
<p>Unless otherwise described paintwork on ceilings shall be deemed to be in the "White" colour group and paintwork on all other components shall be deemed to be in the "Pastel" colour group in accordance with the Natural Colour System (NCS) adopted by the SA National Standards</p>			
<p><b>Carried to Collection</b></p>			
<p>Block E - Ablutions Bill No. 14 Paintwork (Provisional)</p>			
		R	

**PAINTWORK ETC TO NEW WORK**

**ON INTERNAL FLOATED PLASTER SURFACES**

One coat alkali resistant primer, one universal undercoat and two coats quality Pva paint

1	Walls	m2	836		
---	-------	----	-----	--	--

**ON PLASTERBOARD SURFACES**

One coat primer, one universal undercoat and two coats exterior quality "Cemote" pva paint

2	Ceilings and cornices	m2	192		
---	-----------------------	----	-----	--	--

**ON FIBRE-CEMENT BOARD SURFACES**

Two coats extremely durable UV-resistant, washable pure acrylic emulsion sheen paint

3	Fascias and barge boards, including priming metal jointing strips	m2	46		
---	---	----	----	--	--

**ON WOOD SURFACES**

One coat primer, one coat alkyd based universal undercoat and two coats superior quality universal enamel paint

4	Doors	m2	139		
---	-------	----	-----	--	--

**PAINTWORK, ETC TO PREVIOUSLY PAINTED WORK**

**ON BAGGED BRICKWORK OR CONCRETE SURFACES**

One coat alkali resistant primer and two coats PVA emulsion paint for interior use

5	Ceilings and beams	m2	192		
---	--------------------	----	-----	--	--

**Carried to Collection**

Block E - Ablutions  
Bill No. 14  
Paintwork (Provisional)

R

**ON METAL SURFACES**

One coat alkyd based zinc phosphate primer and two coats premium quality polyurethane enamel paint, on steel

6	Windows	m2	14	
7	Handrails	m2	31	

**Carried to Collection**

Block E - Ablutions  
Bill No. 14  
Paintwork (Provisional)

R

**Mzuvele High School  
General Repairs and Renovations**

Bill No. 14  
Paintwork (Provisional)

**COLLECTION**

Total Brought Forward from Page No.

**Page  
No**  
249  
250  
251

**Amount**


**Carried Forward to Summary of Section No. 6**

Block E - Ablutions  
Bill No. 14  
Paintwork (Provisional)

R


<b>Bill No</b>	<b><u>SECTION SUMMARY - Block E - Ablutions</u></b>	<b>Page No</b>	<b>Amount</b>
1	Alterations (Provisional)	219	
2	Earthworks (Provisional)	222	
3	Concrete, Formwork and Reinforcement (Provisional)	225	
4	Masonry (Provisional)	226	
5	Roof Coverings (Provisional)	227	
6	Carpentry and Joinery (Provisional)	231	
7	Ceilings, Partitions and Access Flooring (Provisional)	232	
8	Ironmongery (Provisional)	236	
9	Metalwork (Provisional)	237	
10	Plastering (Provisional)	238	
11	Tiling (Provisional)	239	
12	Plumbing and Drainage (Provisional)	247	
13	Glazing (Provisional)	248	
14	Paintwork (Provisional)	252	
	<b>Carried to Final Summary</b>		
	Block E - Ablutions		R

Item No	Quantity	Rate	Amount
<p><b><u>BILL NO. 1</u></b></p>			
<p><b><u>ALTERATIONS (PROVISIONAL)</u></b></p>			
<p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p>			
<p><u>View site</u></p>			
<p>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</p>			
<p><u>Explosives</u></p>			
<p>No explosives whatsoever may be used for demolition purposes unless otherwise stated</p>			
<p><u>General</u></p>			
<p>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</p>			
<p>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</p>			
<p><b>Carried to Collection</b></p>			
<p>Block F - 10 Classroom Block Bill No. 1 Alterations (Provisional)</p>			
		R	

Doors, fanlights, fittings, frames, linings, etc which are to be re-used shall be thoroughly overhauled before refixing including taking off, easing and rehangng, 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 re-varnishing 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

Making good of finishes shall include making good of the brick and concrete surfaces onto which the new finishes are applied, where necessary

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)

Damage to existing finishes

The Contractor will be held responsible for all damage, however caused, to existing finishes and fittings etc. and he must make good all damage at his own expense to the approval of the Principal Agent.

Breaking down, demolition and alteration activities and tasks, hacking off of existing plaster, etc. is to be executed with care so as to prevent damage to remaining floor and wall surfaces and finishes (where these are to be retained). Tenders will be deemed to include allowance for any necessary protection of existing surfaces and structures as may be necessary to effect the above, as the cost of repairing damage to existing surfaces and structures will be solely for the Contractors account.

**Carried to Collection**

Block F - 10 Classroom Block  
Bill No. 1  
Alterations (Provisional)

R

Removal of materials

Where removal is included in the heading, sub-heading or item description, prices shall be deemed to include for the necessary costs in removal and appropriate disposal of materials including but not limited to labour, transportation and disposal costs. No further claims in this regard will be entertained.

Removal of asbestos material

The removal of asbestos shall be carried out strictly by a certified entity, registered in accordance with the Occupational Health and Safety Act and the Asbestos Regulation.

Asbestos in all forms/building elements that is to be removed, shall be carried out in strict accordance with aforementioned regulation, and a certificate issued by the entity as contemplated in the above, shall be provided per block for the removal thereof, where the term block shall in this context refer to any single, free standing building structure, regardless of size or purpose.

Corresponding disposal certificates shall be issued by the facility at which the asbestos is disposed of, with said facility to, prior to the disposal of any asbestos material provide satisfactory proof that the facility is duly registered and fully compliant in terms of the act, to receive the asbestos material.

Under no circumstances is the contractor nor any of his duly authorised representatives to sell and/or give away asbestos material to any member/s of the school community, the community in general or the public at large. Should this be found to be occurring, the contractor will be held responsible contractually and may further be prosecuted criminally.

The cost for complying with the above, and all requirements of regulation as reflected above is to be priced for in the items for removal of asbestos material. No further claims in this regard will therefore be entertained.

**Carried to Collection**

Block F - 10 Classroom Block  
Bill No. 1  
Alterations (Provisional)

R

**REMOVAL OF EXISTING WORK**

Breaking up and removing unreinforced concrete

1	100mm Thick surface beds	m2	168	
---	--------------------------	----	-----	--

Breaking down and removing brickwork etc

2	One brick walls	m2	12	
---	-----------------	----	----	--

Taking out and removing doors, windows, etc., including thresholds, sills, etc. (building up openings and making good finishes elsewhere)

3	Timber single door not exceeding 2,5m <sup>2</sup>	No	8	
---	--	----	---	--

4	Servicing of existing steel windows with new hinges, latches, etc	No	56	
---	---	----	----	--

**Note: Tenderers are referred to the foregoing supplementary preambles within this trade when pricing the following item (removal of asbestos)**

Taking down and removal of Asbestos by Specialist

5	Asbestos roof sheets, including all timber purlins, fixings, etc.	m2	851	
---	---	----	-----	--

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

6	Double pitched timber roof structure with two gable ends, overall size 58.21 x 9.28 x 1.70m high including wall plates, bracing etc.	m2	851	
---	--	----	-----	--

7	Gypsum plasterboard ceilings, including timber brandering, cornices, etc	m2	494	
---	--	----	-----	--

8	297 x 70mm Laminated timber beam at eaves of gable roof	m	73	
---	---	---	----	--

9	Barge boards	m	23	
---	--------------	---	----	--

10	Fascia boards	m	118	
----	---------------	---	-----	--

11	Eaves gutters	m	118	
----	---------------	---	-----	--

12	Rainwater pipes	m	57	
----	-----------------	---	----	--

**Carried to Collection**

Block F - 10 Classroom Block  
Bill No. 1  
Alterations (Provisional)

R

**Mzuvele High School**  
**General Repairs and Renovations**

	<u>Taking out and removing ironmongery</u>				
13	Pinning board approximately 2400 x 1200mm high including fixings, etc., and cart off site	No	8		
14	Chalkboard approximately 4800 x 1200mm high including fixings, etc., and cart off site	No	8		
	<u>Taking out/off and removing sundry metalwork</u>				
15	Steel single leaf security gate not exceeding 2,5m <sup>2</sup>	No	8		
	<u>Hacking up/off and removing floor tile and wall finishers including removing mortar bed or backing and preparing concrete or brick surfaces for new screed, plaster or tile finishers</u>				
16	Vinyl floor tiles	m2	395		
	<u>Hacking up/off and removing granolithic, screeds, plaster, etc from concrete or brickwork and preparing surfaces for new screed, plaster, tile finishes, etc</u>				
17	30mm Screed from floors	m2	500		
18	Internal plaster from walls and columns	m2	342		
	<u>Taking out/off and removing glass and mirrors</u>				
19	Glass from steel windows, including cleaning out rebates and preparing for new glass (new glass elsewhere)	m2	34		
	<b><u>MAKING GOOD OF FINISHES, ETC</u></b>				
	<u>Cleaning brickwork</u>				
20	Acid cleaning internal face brickwork at dado level with high pressure cleaner and leave walls clean, in perfect condition and re-apply two coats of clear gloss face brick sealer	m2	174		
21	Acid cleaning external face brickwork with high pressure cleaner and leave walls clean, in perfect condition	m2	330		
	<b>Carried to Collection</b>				
	Block F - 10 Classroom Block				
	Bill No. 1				
	Alterations (Provisional)				
					R

**MAKING GOOD OF EXISTING WORKS**

22	Repairs to existing surface beds, including filling in cracks, with concrete crack injection or any other approved filler, stitching as required, etc	m2	5	
----	---	----	---	--

**METAL STITCHING**

23	Hacking up/off and removing plaster from walls, columns and beams	m2	10	
----	---	----	----	--

24	Chipout 40 x 10mm mortar joint between brickwork courses and clean out joint with an air compressor	m	50	
----	---	---	----	--

25	19mm Diameter Thorhelical or similar approved helical bar inserted midway between structural cracks	m	50	
----	---	---	----	--

26	Grout 40 x 10mm joint between brick courses	m	50	
----	---	---	----	--

27	Internal plaster on walls	m2	10	
----	---------------------------	----	----	--

28	One coat primer, one universal undercoat and two coats quality pva paint	m2	10	
----	--	----	----	--

**Carried to Collection**

Block F - 10 Classroom Block  
Bill No. 1  
Alterations (Provisional)

R

**Mzuvele High School  
General Repairs and Renovations**

Bill No. 1

Alterations (Provisional)

**COLLECTION**

Total Brought Forward from Page No.

**Page  
No**

**Amount**

254

255

256

257

258

259

**Carried Forward to Summary of Section No. 7**

Block F - 10 Classroom Block  
Bill No. 1  
Alterations (Provisional)

R

Item No		Quantity	Rate	Amount
	<b><u>BILL NO. 2</u></b>			
	<b><u>EARTHWORKS (PROVISIONAL)</u></b>			
	<b><u>EXCAVATION, FILLING, ETC OTHER THAN BULK</u></b>			
	<b><u>EXCAVATIONS, ETC</u></b>			
	<u>Excavation in earth not exceeding 2m deep</u>			
1	Thickening under surface beds, etc.	m3	18	
	<u>Extra over trench and hole excavations in earth for excavation in</u>			
2	Soft rock	m3	2	
3	Hard rock	m3	1	
	<u>Risk of collapse of excavations</u>			
4	Sides of trench and hole excavations not exceeding 1,5m deep	m2	29	
	<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 95% Mod AASHTO density	m2	139	
	<b><u>FILLING ETC</u></b>			
	<u>Earth filling obtained from the excavations and/or prescribed stock piles on site, compacted to 95% Mod AASHTO density</u>			
6	Backfilling to trenches, holes, etc	m3	1	
	<b>Carried to Collection</b>			R
	Block F - 10 Classroom Block			
	Bill No. 2			
	Earthworks (Provisional)			

**WEED KILLERS, INSECTICIDES, ETC**

Soil insecticide in accordance with SANS 5859

7	Under floors etc, including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m2	139
---	--	----	-----

**Carried to Collection**

Block F - 10 Classroom Block  
Bill No. 2  
Earthworks (Provisional)

R

**Mzuvele High School  
General Repairs and Renovations**

Bill No. 2

Earthworks (Provisional)

**COLLECTION**

Total Brought Forward from Page No.

**Page  
No**

261

262

**Amount**

**Carried Forward to Summary of Section No. 7**

Block F - 10 Classroom Block  
Bill No. 2  
Earthworks (Provisional)

R

Item No		Quantity	Rate	Amount
	<b><u>BILL NO. 3</u></b>			
	<b><u>CONCRETE, FORMWORK AND REINFORCEMENT (PROVISIONAL)</u></b>			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
	<u>Cost of tests</u>			
	<p>The costs of making, storing and testing of concrete test cubes as required under clause 7 "Tests" of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the principal agent. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval of the principal agent. (Test cubes are measured separately)</p>			
	<u>Formwork</u>			
	<p>Descriptions of formwork shall be deemed to include use and waste only (except where described as "left in" or "permanent"), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use</p>			
	<p>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"</p>			
	<b><u>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u></b>			
	<u>25MPa/19mm concrete</u>			
1	Surface beds on waterproofing	m3	18	
	<b>Carried to Collection</b>		R	
	Block F - 10 Classroom Block Bill No. 3 Concrete, Formwork and Reinforcement (Provisional)			

	<b><u>TEST CUBES</u></b>				
2	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	1		
	<b><u>CONCRETE SUNDRIES</u></b>				
	<u>Finishing top surfaces of concrete smooth with a steel trowel</u>				
3	Surface beds, slabs, etc	m2	139		
	<b><u>ROUGH FORMWORK (DEGREE OF ACCURACY III)</u></b>				
	<u>Rough formwork to sides</u>				
4	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	143		
	<b><u>REINFORCEMENT</u></b>				
	<u>Fabric reinforcement</u>				
5	Type 193 fabric reinforcement in concrete surface beds etc	m2	139		
	<b>Carried to Collection</b>				
	Block F - 10 Classroom Block				
	Bill No. 3				
	Concrete, Formwork and Reinforcement (Provisional)				
					R

Bill No. 3

Concrete, Formwork and Reinforcement (Provisional)

**COLLECTION**

Total Brought Forward from Page No.

**Page  
No**

264

265

**Amount**

**Carried Forward to Summary of Section No. 7**

Block F - 10 Classroom Block

Bill No. 3

Concrete, Formwork and Reinforcement (Provisional)

R

**Mzuvele High School**  
**General Repairs and Renovations**

Item No		Quantity	Rate	Amount
	<b><u>BILL NO. 4</u></b>			
	<b><u>MASONRY (PROVISIONAL)</u></b>			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
	<b><u>BRICKWORK</u></b>			
	<u>Sizes in descriptions</u>			
	Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick			
	<b><u>BRICKWORK</u></b>			
	<b><u>SUPERSTRUCTURE</u></b>			
	<u>Brickwork of NFP bricks in class II mortar</u>			
1	One brick walls	m2	12	
	<u>2.5mm Galvanised brick reinforcement</u>			
2	150mm Wide reinforcement built in horizontally	m	23	
	<b>Carried Forward to Summary of Section No. 7</b>			R
	Block F - 10 Classroom Block			
	Bill No. 4			
	Masonry (Provisional)			

Item No		Quantity	Rate	Amount
	<b><u>BILL NO. 5</u></b>			
	<b><u>ROOF COVERINGS (PROVISIONAL)</u></b>			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
	<b><u>Proprietary items or materials</u></b>			
	Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Head			
	<b><u>PROFILED METAL SHEETING AND ACCESSORIES</u></b>			
	<u>0.50mm - G550 AZ150, ColorPlus® Steel IBR with integral stiffening rib steel roof sheeting and accessories with ColorPlus® and ZincAL® finish on one side and protective primer coating on the reverse side fixed to timber purlins with equal spacing (timber purlins measured elsewhere)</u>			
1	Roof covering with pitches not exceeding 25 degrees	m2	851	
2	Ridge cappings 475mm girth	m	73	
	<b><u>ROOF AND WALL INSULATION</u></b>			
	<u>Multi-layered reinforced double-sided aluminium foil sheeting in accordance with SANS 1381-4 with a mass of not less than 293g/m<sup>2</sup> and a Class I fire rating in accordance with SANS 0177-3</u>			
3	Insulation sheeting laid taut over purlins (at approximately 1200mm centres) and fixed concurrent with roof covering with minimum 150mm stapled laps including galvanised steel straining wires at not exceeding 400mm centres and double-sided tape at edges where required	m2	851	
	<b>Carried Forward to Summary of Section No. 7</b>			R
	Block F - 10 Classroom Block			
	Bill No. 5			
	Roof Coverings (Provisional)			

Item No	Quantity	Rate	Amount
<p><b><u>BILL NO. 6</u></b></p>			
<p><b><u>CARPENTRY AND JOINERY (PROVISIONAL)</u></b></p>			
<p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p>			
<p><u>Fixing</u></p>			
<p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete</p>			
<p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere</p>			
<p><u>Joinery</u></p>			
<p>Descriptions of hardwood joinery shall be deemed to include sinking and pelleting heads and nuts of bolts</p>			
<p><b><u>ROOFS ETC</u></b></p>			
<p><b><u>PLATE NAILED TIMBER ROOF TRUSS CONSTRUCTION ETC</u></b></p>			
<p><u>SUPPLEMENTARY PREAMBLES</u></p>			
<p>Trusses are at maximum 1200mm centres</p>			
<p>Roof covering is 0.50mm - G550 AZ150, ColorPlus® Steel IBR with integral stiffening rib steel roof sheeting and accessories with ColorPlus® and ZincAL® finish on one side and protective primer coating on the reverse side fixed to timber purlins with equal spacing.</p>			
<p>Ceilings are 6,4mm rhinoboard on 38 x 38mm brandering</p>			
<p><b>Carried to Collection</b></p>			
<p>Block F - 10 Classroom Block Bill No. 6 Carpentry and Joinery (Provisional)</p>			
		R	

**Mzuvele High School**  
**General Repairs and Renovations**

Dimensions in descriptions of trusses are nominal and actual measurements are to be obtained from the architect/engineer and/or taken on site before design or fabrication commences

1	Supply and install prefabricated timber roof truss system complete and in accordance with the Standard Building Regulations. Truss spanning 9343 x 1700mm high overall with 700mm eaves projection on both sides	No	62
---	--	----	----

Wrought laminated Saligna

2	297 x 70mm Beam bolted to brick piers	m	73
---	---------------------------------------	---	----

Sawn softwood

3	38 x 114mm Wall plates	m	147
---	------------------------	---	-----

4	50 x 76mm Purlins	m	1,027
---	-------------------	---	-------

5	38 x 114mm Bracing	m	65
---	--------------------	---	----

Sundries

6	Wrought faces on sawn timbers	m2	104
---	-------------------------------	----	-----

7	Two coats creosote on sawn timbers	m2	104
---	------------------------------------	----	-----

**EAVES, VERGES, ETC**

Medium density plain fibre-cement fascias and barge boards

8	80 x 200mm Angle section barge boards including galvanised steel H-profile jointing strips and fix with hot dip galvanised screws and washers	m	23
---	---	---	----

9	12 x 225mm Medium density fascia boards including galvanised H-profile jointing strips tied with and including hot dipped galvanised screws and washers	m	147
---	---	---	-----

**Carried to Collection**

Block F - 10 Classroom Block  
Bill No. 6  
Carpentry and Joinery (Provisional)

R

**TIMBER DOORS, WINDOWS, ETC**

Wrought meranti doors hung to timber/steel frames

10 44mm Framed, ledged and braced batten door 813 x 2032mm high of 40 x110mm wide top rail and stiles, 20 x 150mm middle ledge and braces and 20 x 225mm bottom ledge, filled in with 22mm tongued and grooved V-jointed one side vertical boarding with tongued and grooved joints to top rail and stiles and with inner edges of framing and abutting edges of boarding chamfered to form V-joint

No

10

**Carried to Collection**

R

Block F - 10 Classroom Block  
Bill No. 6  
Carpentry and Joinery (Provisional)

**Mzuvele High School  
General Repairs and Renovations**

Bill No. 6

Carpentry and Joinery (Provisional)

**COLLECTION**

Total Brought Forward from Page No.

**Page  
No**

269

270

271

**Amount**


**Carried Forward to Summary of Section No. 7**

Block F - 10 Classroom Block  
Bill No. 6  
Carpentry and Joinery (Provisional)

R


Item No	Quantity	Rate	Amount
<b><u>BILL NO. 7</u></b>			
<b><u>CEILING, PARTITIONS AND ACCESS FLOORING (PROVISIONAL)</u></b>			
<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
<u>Fixing</u>			
Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete			
Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere			
<u>Ceilings</u>			
Unless otherwise described ceilings shall be deemed to be horizontal			
<b><u>Proprietary items or materials</u></b>			
Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Head			
<b><u>NAILED-UP CEILINGS</u></b>			
<u>6,4mm Fibre-cement plain ceiling boards with H-profile galvanised steel jointing strips</u>			
1	Ceilings including 38 x 38mm sawn softwood bandering at 400mm centres	m2	494
2	Extra over ceiling for 600 x 600mm trap door of 38 x 38mm wrought softwood rebated framing with one cross brander, covered with ceiling board and fitted flush in opening, including necessary trimmers around	No	10
<u>Nucornice foam plastic cornices</u>			
3	75mm Coved cornices	m	281
<b>Carried Forward to Summary of Section No. 7</b>			R
Block F - 10 Classroom Block Bill No. 7 Ceilings, Partitions and Access Flooring (Provisional)			

Item No		Quantity	Rate	Amount
	<b><u>BILL NO. 8</u></b>			
	<b><u>FLOOR COVERINGS, WALL LININGS, ETC (PROVISIONAL)</u></b>			
	<b><u>FLOOR COVERINGS</u></b>			
	<u>300 x 300 x 2.5mm Semi flexible vinyl tiles</u>			
1	On floors	m2	494	
	<u>Vinyl skirtings, nosings, etc</u>			
2	70mm High vinyl skirting	m	272	
	<b><u>POLISH, SEALERS, ETC</u></b>			
3	Three coats wax polish on vinyl flooring	m2	494	
	<b>Carried Forward to Summary of Section No. 7</b>			R
	Block F - 10 Classroom Block			
	Bill No. 8			
	Floor Coverings, Wall Linings, etc. (Provisional)			

Item No	Quantity	Rate	Amount
<p><b><u>BILL NO. 9</u></b></p>			
<p><b><u>IRONMONGERY (PROVISIONAL)</u></b></p>			
<p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p>			
<p><u>Proprietary items</u></p>			
<p>Where applicable the manufacturers' names or product catalogue titles are given in sub-headings preceding the items</p>			
<p>Prices are to be based on the specific products/articles specified. If tenderers wish to offer alternative products/articles for certain items, these items are to be clearly marked and the alternative specification given with supporting brochures etc clarifying the features of the products/articles offered</p>			
<p>On request returnable samples are to be provided to the principal agent for consideration</p>			
<p><u>Finishes to ironmongery</u></p>			
<p>Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list:</p>			
<p>BS Satin bronze lacquered</p>			
<p>CH Chromium plated</p>			
<p>SC Satin chromium plated</p>			
<p>SE Silver enamelled</p>			
<p>GE Grey enamelled</p>			
<p>AN Anodised natural</p>			
<p>AS Anodised silver</p>			
<p>AB Anodised bronze</p>			
<p>AG Anodised gold</p>			
<p>ABL Anodised black</p>			
<p>PB Polished brass</p>			
<p>PL Polished and lacquered</p>			
<p>PT Epoxy coated</p>			
<p>SD Sanded</p>			
<p><b><u>Proprietary items or materials</u></b></p>			
<p>Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Head</p>			
<p><b>Carried to Collection</b></p>			
<p>Block F - 10 Classroom Block Bill No. 9 Ironmongery (Provisional)</p>			
			R

**HINGES, BOLTS, ETC**

Manufactured by "Union" or other equal and approved

1	100mm Aluminium butt hinge	No	16
---	----------------------------	----	----

**LOCKS**

Manufactured by "Union" or other equal and approved

2	Solid art 390/313 Four Lever mortice lockset with and including Satin Chrome Plated handles	No	8
---	---	----	---

**SUNDRIES**

Manufactured by "Union" or other equal and approved

3	38mm Diameter door stop plugged and screwed to floor with a 50mm long brass screw	No	8
---	---	----	---

**PINNING BOARDS, WRITING BOARDS,  
PROJECTION SCREENS, ETC**

Manufactured by "Vitrex System"

4	Standard green enamel megnatic chalkboard overall size 4800 x 1140mm high comprising two fixed panels, each 2400 x 1140mm high, with aluminium chalk rail plugged	No	8
---	---	----	---

5	Pinning board size 2400 x 1200mm high plugged	No	8
---	---	----	---

**Carried to Collection**

R

Block F - 10 Classroom Block  
Bill No. 9  
Ironmongery (Provisional)

**Mzuvele High School  
General Repairs and Renovations**

Bill No. 9

Ironmongery (Provisional)

**COLLECTION**

Total Brought Forward from Page No.

**Page  
No**

275

276

**Amount**

**Carried Forward to Summary of Section No. 7**

Block F - 10 Classroom Block  
Bill No. 9  
Ironmongery (Provisional)

R

Item No	Quantity	Rate	Amount
<b><u>BILL NO. 10</u></b>			
<b><u>METALWORK (PROVISIONAL)</u></b>			
<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
<u>Descriptions of bolts, anchors, etc</u>			
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			
Items described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described			
<b><u>Proprietary items or materials</u></b>			
Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Head			
<b><u>GALVANISED STEEL GATES, SCREENS, ETC</u></b>			
<u>Welded screens and gates</u>			
1	No	8	
Single hot dipped galvanised mild steel gate, 980mm x 2032mm formed of 40 x 60 x 3mm hollow sectioned frames and midrail, filled in with 12mm solid square vertical bars at 110mm centres including all ironmongery to fix on wall and padlock set, etc.			
<b><u>GALVANISED STEEL MINOR WORK</u></b>			
<u>Galvanised steel post, including fixing accessories to laminated timber beam and concrete floors</u>			
2	No	21	
100mm Diameter x 2650mm high galvanised mild steel support post including base plates etc. with timber beam over to support roof above (Timber beam elsewhere)			
<b>Carried Forward to Summary of Section No. 7</b>			R
Block F - 10 Classroom Block Bill No. 10 Metalwork (Provisional)			

Item No		Quantity	Rate	Amount
	<b><u>BILL NO. 11</u></b>			
	<b><u>PLASTERING (PROVISIONAL)</u></b>			
	<b><u>SCREEDS</u></b>			
	<u>Screeds steel trowelled, on concrete</u>			
1	30mm Thick on floors and landings	m2	625	
	<b><u>GRANOLITHIC</u></b>			
	<u>Untinted granolithic, on concrete</u>			
2	30mm Thick on floors and landings	m2	131	
	<b><u>INTERNAL PLASTER</u></b>			
	<u>Cement plaster steel trowelled, on brickwork</u>			
3	On walls	m2	389	
4	On narrow widths	m2	39	
	<b>Carried Forward to Summary of Section No. 7</b>			R
	Block F - 10 Classroom Block			
	Bill No. 11			
	Plastering (Provisional)			

Item No	Quantity	Rate	Amount
<p><b><u>BILL NO. 12</u></b></p>			
<p><b><u>PLUMBING AND DRAINAGE (PROVISIONAL)</u></b></p>			
<p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p>			
<p><u>Wire gratings</u></p>			
<p>Descriptions of gutter outlets etc shall be deemed to include wire balloon gratings</p>			
<p><u>Stormwater channels</u></p>			
<p>Descriptions of channels shall be deemed to include necessary excavation, surface preparation, compaction, etc, and disposal of surplus material on site</p>			
<p><u>PVC-U pipes and fittings</u></p>			
<p>Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings</p>			
<p>Soil, waste and vent pipes and fittings shall be solvent weld jointed or sealed with butyl rubber rings</p>			
<p><u>Polypropylene pipes</u></p>			
<p>Polypropylene pipes 54mm diameter and smaller shall be seamless copper coloured Class 16 pipes jointed with heat welded thermoplastic or where so described compression fittings</p>			
<p>Pipes shall be firmly fixed to walls, etc with coloured nylon snap-in pipe clips with provision for accommodating thermal movement and jointed and fixed strictly in accordance with the manufacturer's instructions</p>			
<p><u>Fixing of pipes</u></p>			
<p>Unless specifically otherwise stated, descriptions of pipes shall be deemed to include fixing to walls, etc, casting in, building in or suspending not exceeding 1m below suspension level</p>			
<p><b>Carried to Collection</b></p>			
<p>Block F - 10 Classroom Block Bill No. 12 Plumbing and Drainage (Provisional)</p>			
			R

Laying, backfilling, bedding, etc of pipes

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

Where no manufacturers' instructions exist, pipes shall be laid in accordance with the relevant section of SANS 2001

General

Descriptions of cast iron roof outlets shall be deemed to include joints to pipes and casting into concrete (adaptors for joints to PVC pipes, etc are given separately)

Descriptions of overflow pipes where measured in number, shall be deemed to include joints to cisterns and splay cut ends

Descriptions of pipes laid in and including trenches and of inspection chambers, catchpits, etc shall be deemed to include excavation, bedding, backfilling, compaction to a minimum of 93% Mod AASHTO density and disposal of surplus material on site

Descriptions of service pipes and flexible connecting pipes shall be deemed to include connections to taps, cisterns, etc and to steel pipes (adaptors for connections to copper pipes, etc are given separately)

Descriptions of WC pans, slop hoppers, etc shall be deemed to include for joints to soil pipes (pan connectors are separately measured)

As-built drawings

Where required, the contractor shall prepare an updated set of as-built drawings. At completion of the contract the contractor shall hand these drawings to the principal agent for reproducing onto the originals for handing over to the employer (provision for allowance of as-built drawings elsewhere)

**Carried to Collection**

Block F - 10 Classroom Block  
 Bill No. 12  
 Plumbing and Drainage (Provisional)

R

French drains

Descriptions of french drains shall be deemed to include excavation, stone filling graded from 300mm diameter at bottom to 75mm diameter at top, geofabric filter blanket over stone, 300mm earthfilling over and disposal of surplus material on site

uPVC pipes and fittings

Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings

Soil, waste and vent pipes and fittings shall be solvent weld jointed or sealed with butyl rubber rings

**RAINWATER DISPOSAL**

Seamless aluminium prepainted gutters and rainwater pipes

1	150mm Half-round roof gutters with beaded front edge	m	118
2	100mm Diameter rainwater pipes	m	57
3	Extra over gutter for stopped end	No	4
4	Extra over gutter for outlet for 100mm pipe	No	14
5	Extra over rainwater pipe for bend	No	28
6	Extra over rainwater pipe for shoe	No	14
7	Extra over rainwater pipe for plinth bend	No	4

**Carried to Collection**

Block F - 10 Classroom Block  
Bill No. 12  
Plumbing and Drainage (Provisional)

R

**STORMWATER CHANNELS**

Earthworks

8	Excavate average 125mm deep in earth to form "V" drain profile	m3	18
---	--	----	----

Concrete, Formwork and Reinforcing

25MPa/19mm Reinforced concrete to bottom and sides of "V" drain

9	"V" drains	m3	18
10	Finishing top surface of "V" drains smooth with a steel trowel to falls	m2	139
11	Rough formwork (Degree of accuracy III) to edges, risers, ends and reveals not exceeding 300mm high or wide	m	143
12	Type 193 fabric reinforcement in concrete surface beds etc	m2	139
13	10 x 150mm Pre-compressed bitumen impregnated foam plastic joint sealing strips between brickwork and concrete	m	135

**FIRE APPLIANCES ETC**

14	"Chubb" hose reel with 30m rubber hose, chromium plated stopcock, shut-off nozzle and wall bracket	No	2
15	10kg Carbon dioxide fire extinguisher	No	1

Fire hydrant pedestals

16	100mm "Storz" type fire Hydrant complete	No	3
----	--	----	---

**WATER SUPPLIES TO FIRE APPLIANCES**

Sans 2-1/2 class medium steel piping black/galvanised

17	20 NB screwed socket	m	21
18	25 NB screwed union	No	17

**Carried to Collection**

Block F - 10 Classroom Block  
Bill No. 12  
Plumbing and Drainage (Provisional)

R

**Mzuvele High School**  
**General Repairs and Renovations**

19	25 NB screwed barrel nipple screwed	No	21
20	50 NB screwed type	m	64
21	50 NB screwed union	No	7
22	50 NB screwed nipple	No	4
23	50 NB galvanised SANS62 medium elbow	No	9
24	50/25 NB Galvanised screw type reducing tee	No	8
25	Flushing of pipework and pressure testing of whole system		Item
26	Commissioning of Complete System		Item
<b><u>PHOTOLUMINESCENT SIGNS</u></b>			
27	150 x 150mm Sign	No	11
28	Provision of fire plan in laminated A3 size	No	1
29	Emergency assembly point sign with steel pole and mass concrete base	No	1
30	Hydrant and Arrow sign (290x290mm size per sign) with steel pole and mass concrete base.	No	1

**Carried to Collection**

Block F - 10 Classroom Block  
Bill No. 12  
Plumbing and Drainage (Provisional)

R

**Mzuvele High School  
General Repairs and Renovations**

Bill No. 12  
Plumbing and Drainage (Provisional)

**COLLECTION**

Total Brought Forward from Page No.

**Page  
No**

**Amount**

280  
281  
282  
283  
284


**Carried Forward to Summary of Section No. 7**

Block F - 10 Classroom Block  
Bill No. 12  
Plumbing and Drainage (Provisional)

R


Item No		Quantity	Rate	Amount
	<b><u>BILL NO. 13</u></b>			
	<b><u>ELECTRICAL WORK (PROVISIONAL)</u></b>			
	<b><u>BLOCK F</u></b>			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
	<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			
	<b><u>LOW TENSION DISTRIBUTION</u></b>			
	<b><u>DISTRIBUTION BOARD DB</u></b>			
1	Flush mounted distribution board in one section (uninterruptable power) with door, space for the following equipment and space for 6 additional circuit breakers, colour coded and installed in recess (elsewhere) in brick wall	No	1	
2	60A Triple pole isolator	No	1	
3	10A Single pole MCCB (5kA)	No	5	
	<b><u>CABLES</u></b>			
4	1.5mm <sup>2</sup> 3-Core	m	700	
	<b>Carried to Collection</b>			R
	Block F - 10 Classroom Block Bill No. 13 Electrical work (Provisional)			



**Mzuvele High School**  
**General Repairs and Renovations**

16	Deep type (concrete type) round outlet box for 20mm conduit	No	90
17	Standard draw box for 20mm conduit	No	90
18	50 x 100 x 50mm Outlet box	No	90
19	100 x 100 x 50mm Outlet box	No	90
20	100 x 100 x 50mm Outlet box with blank cover plate	No	90

**CONDUCTORS**

Bare copper conductors drawn into conduit, trunking or power skirting

PVC insulated stranded copper conductors drawn into conduit, trunking or power skirting

Heat resistant silicon insulated stranded copper conductors drawn into conduit, trunking or power skirting

21	1.5mm <sup>2</sup>	m	290
----	--------------------	---	-----

**DRAW-WIRES**

22	Galvanised steel draw-wires drawn into conduit	m	290
----	--	---	-----

**LIGHT SWITCHES, SOCKET OUTLETS, ETC**

23	Flush mounted bell push button	No	1
24	16A Flush mounted two lever one-way switch unit	No	12
25	16A Three pin flush mounted socket outlet with switch, single type	No	20

**LUMINAIRES**

26	Lascon V1-100BC/C/Plas economy injection moulded polycarbonate luminaire with 100W GLS lamp	No	70
----	---	----	----

**SUNDRIES**

27	Earthing of buildings		Item
28	Provision of as built drawings		Item

**Carried to Collection**

Block F - 10 Classroom Block  
Bill No. 13  
Electrical work (Provisional)

R

29 Testing and commissioning the complete electrical installation

Item

**Carried to Collection**

Block F - 10 Classroom Block  
Bill No. 13  
Electrical work (Provisional)

R

**Mzuvele High School  
General Repairs and Renovations**

Bill No. 13  
Electrical work (Provisional)

**COLLECTION**

Total Brought Forward from Page No.

**Page  
No**

**Amount**

286

287

288

289

**Carried Forward to Summary of Section No. 7**

Block F - 10 Classroom Block  
Bill No. 13  
Electrical work (Provisional)

R



Item No	Quantity	Rate	Amount
<p><b><u>BILL NO. 15</u></b></p> <p><b><u>PAINTWORK (PROVISIONAL)</u></b></p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><b><u>PREPARATORY WORK TO EXISTING WORK</u></b></p> <p><u>Previously painted plastered surfaces</u></p> <p>Surfaces shall be thoroughly washed down and allowed to dry completely before any paint is applied. Blistered or peeling paint shall be completely removed and cracks shall be opened, filled with a suitable filler and finished smooth</p> <p><u>Previously painted metal surfaces</u></p> <p>Surfaces shall be thoroughly rubbed and cleaned down. Blistered or peeling paint shall be completely removed down to bare metal</p> <p><u>Previously painted wood surfaces</u></p> <p>Surfaces shall be thoroughly cleaned down. Blistered or peeling paint shall be completely removed and cracks and crevices shall be primed, filled with suitable filler and finished smooth</p> <p><b><u>PAINT SPECIFICATIONS</u></b></p> <p>All painting shall be done in accordance with manufacturer's specifications unless otherwise described</p> <p><b><u>COLOURS</u></b></p> <p>Unless otherwise described paintwork on ceilings shall be deemed to be in the "White" colour group and paintwork on all other components shall be deemed to be in the "Pastel" colour group in accordance with the Natural Colour System (NCS) adopted by the SA National Standards</p>			
<b>Carried to Collection</b>			R
Block F - 10 Classroom Block Bill No. 15 Paintwork (Provisional)			

**PAINTWORK ETC TO NEW WORK**

**ON INTERNAL FLOATED PLASTER SURFACES**

One coat alkali resistant primer, one universal undercoat and two coats quality Pva paint

1	Walls	m2	428		
---	-------	----	-----	--	--

**ON PLASTERBOARD SURFACES**

One coat primer, one universal undercoat and two coats exterior quality "Cemote" pva paint

2	Ceilings and cornices	m2	494		
---	-----------------------	----	-----	--	--

**ON FIBRE-CEMENT BOARD SURFACES**

Two coats extremely durable UV-resistant, washable pure acrylic emulsion sheen paint

3	Fascias and barge boards, including priming metal jointing strips	m2	82		
---	---	----	----	--	--

**ON WOOD SURFACES**

One coat primer, one coat alkyd based universal undercoat and two coats superior quality universal enamel paint

4	Laminated beam	m2	43		
---	----------------	----	----	--	--

5	Doors	m2	28		
---	-------	----	----	--	--

**PAINTWORK, ETC TO PREVIOUSLY PAINTED WORK**

**ON METAL SURFACES**

One coat alkyd based zinc phosphate primer and two coats premium quality polyurethane enamel paint, on steel

6	Windows	m2	168		
---	---------	----	-----	--	--

7	Door frame	m2	16		
---	------------	----	----	--	--

**Carried to Collection**

Block F - 10 Classroom Block  
Bill No. 15  
Paintwork (Provisional)

R

**Mzuvele High School  
General Repairs and Renovations**

Bill No. 15  
Paintwork (Provisional)

**COLLECTION**

Total Brought Forward from Page No.

**Page  
No**

292

293

**Amount**

**Carried Forward to Summary of Section No. 7**

Block F - 10 Classroom Block  
Bill No. 15  
Paintwork (Provisional)

R

**SECTION SUMMARY - Block F - 10 Classroom Block**

Bill No		Page No	Amount
1	Alterations (Provisional)	260	
2	Earthworks (Provisional)	263	
3	Concrete, Formwork and Reinforcement (Provisional)	266	
4	Masonry (Provisional)	267	
5	Roof Coverings (Provisional)	268	
6	Carpentry and Joinery (Provisional)	272	
7	Ceilings, Partitions and Access Flooring (Provisional)	273	
8	Floor Coverings, Wall Linings, etc. (Provisional)	274	
9	Ironmongery (Provisional)	277	
10	Metalwork (Provisional)	278	
11	Plastering (Provisional)	279	
12	Plumbing and Drainage (Provisional)	285	
13	Electrical work (Provisional)	290	
14	Glazing (Provisional)	291	
15	Paintwork (Provisional)	294	
	<b>Carried to Final Summary</b>		
	Block F - 10 Classroom Block		R

Item No	Quantity	Rate	Amount
<p><b><u>BILL NO. 1</u></b></p>			
<p><b><u>ALTERATIONS (PROVISIONAL)</u></b></p>			
<p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p>			
<p><u>View site</u></p>			
<p>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</p>			
<p><u>Explosives</u></p>			
<p>No explosives whatsoever may be used for demolition purposes unless otherwise stated</p>			
<p><u>General</u></p>			
<p>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</p>			
<p>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</p>			
<p><b>Carried to Collection</b></p>			
<p>Block G - Hall With Exam Classroom          Bill No. 1          Alterations (Provisional)</p>			
		R	

Doors, fanlights, fittings, frames, linings, etc which are to be re-used shall be thoroughly overhauled before refixing including taking off, easing and rehangng, 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 re-varnishing 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

Making good of finishes shall include making good of the brick and concrete surfaces onto which the new finishes are applied, where necessary

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)

Damage to existing finishes

The Contractor will be held responsible for all damage, however caused, to existing finishes and fittings etc. and he must make good all damage at his own expense to the approval of the Principal Agent.

Breaking down, demolition and alteration activities and tasks, hacking off of existing plaster, etc. is to be executed with care so as to prevent damage to remaining floor and wall surfaces and finishes (where these are to be retained). Tenders will be deemed to include allowance for any necessary protection of existing surfaces and structures as may be necessary to effect the above, as the cost of repairing damage to existing surfaces and structures will be solely for the Contractors account.

**Carried to Collection**

Block G - Hall With Exam Classroom  
Bill No. 1  
Alterations (Provisional)

R

Removal of materials

Where removal is included in the heading, sub-heading or item description, prices shall be deemed to include for the necessary costs in removal and appropriate disposal of materials including but not limited to labour, transportation and disposal costs. No further claims in this regard will be entertained.

Removal of asbestos material

The removal of asbestos shall be carried out strictly by a certified entity, registered in accordance with the Occupational Health and Safety Act and the Asbestos Regulation.

Asbestos in all forms/building elements that is to be removed, shall be carried out in strict accordance with aforementioned regulation, and a certificate issued by the entity as contemplated in the above, shall be provided per block for the removal thereof, where the term block shall in this context refer to any single, free standing building structure, regardless of size or purpose.

Corresponding disposal certificates shall be issued by the facility at which the asbestos is disposed of, with said facility to, prior to the disposal of any asbestos material provide satisfactory proof that the facility is duly registered and fully compliant in terms of the act, to receive the asbestos material.

Under no circumstances is the contractor nor any of his duly authorised representatives to sell and/or give away asbestos material to any member/s of the school community, the community in general or the public at large. Should this be found to be occurring, the contractor will be held responsible contractually and may further be prosecuted criminally.

The cost for complying with the above, and all requirements of regulation as reflected above is to be priced for in the items for removal of asbestos material. No further claims in this regard will therefore be entertained.

**Carried to Collection**

Block G - Hall With Exam Classroom  
Bill No. 1  
Alterations (Provisional)

R

**REMOVAL OF EXISTING WORK**

Breaking up and removing unreinforced concrete

1	Steps	m3	2
---	-------	----	---

Breaking up and removing unreinforced concrete

2	100mm Thick surface beds	m2	119
---	--------------------------	----	-----

Taking out and removing doors, windows, etc., including thresholds, sills, etc. (building up openings and making good finishes elsewhere)

3	Timber single door not exceeding 2,5m <sup>2</sup>	No	8
---	--	----	---

4	Timber double door exceeding 2,5m <sup>2</sup> and not exceeding 5m <sup>2</sup>	No	1
---	--	----	---

5	Servicing of existing steel windows, size 1000 x 1200mm with new hinges, latches, etc	No	6
---	---	----	---

6	Ditto, but size 4400 x 1200mm	No	8
---	-------------------------------	----	---

**Note: Tenderers are referred to the foregoing supplementary preambles within this trade when pricing the following item (removal of asbestos)**

Taking down and removal of Asbestos by Specialist

7	Asbestos roof sheets from steel portal frame structure	m2	666
---	--	----	-----

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

8	Ceilings including cornices, etc	m2	266
---	----------------------------------	----	-----

9	Barge boards	m	68
---	--------------	---	----

10	Fascia boards	m	52
----	---------------	---	----

11	Eaves gutters	m	52
----	---------------	---	----

12	Rainwater pipes	m	23
----	-----------------	---	----

**Carried to Collection**

Block G - Hall With Exam Classroom  
Bill No. 1  
Alterations (Provisional)

R

**Mzuvele High School**  
**General Repairs and Renovations**

	<u>Taking out and removing ironmongery</u>				
13	Pinning boards approximately 2400 x 1200mm high including fixings, etc., and cart off site	No	4		
14	Chalkboards approximately 4800 x 1200mm high including fixings, etc., and cart off site	No	4		
	<u>Taking out/off and removing sundry metalwork</u>				
15	Steel single leaf security gate not exceeding 2,5m <sup>2</sup>	No	9		
16	Steel double leaf security gate exceeding 2,5m <sup>2</sup> and not exceeding 5m <sup>2</sup>	No	2		
	<u>Hacking up/off and removing floor tile and wall finishers including removing mortar bed or backing and preparing concrete or brick surfaces for new screed, plaster or tile finishers</u>				
17	Vinyl floor tiles	m2	559		
	<u>Hacking up/off and removing granolithic, screeds, plaster, etc from concrete or brickwork and preparing surfaces for new screed, plaster, tile finishes, etc</u>				
18	30mm Screed from floors	m2	616		
19	Internal plaster from walls and columns	m2	895		
	<u>Taking out/off and removing glass and mirrors</u>				
20	Glass from steel windows, including cleaning out rebates and preparing for new glass (new glass elsewhere)	m2	20		
	<b><u>MAKING GOOD OF FINISHES, ETC</u></b>				
	<u>Cleaning brickwork</u>				
21	Acid cleaning internal face brickwork at dado level with high pressure cleaner and leave walls clean, in perfect condition and re-apply two coats of clear gloss face brick sealer	m2	261		
	<b>Carried to Collection</b>				
	Block G - Hall With Exam Classroom				
	Bill No. 1				
	Alterations (Provisional)				
					R

**Mzuvele High School  
General Repairs and Renovations**

Bill No. 1

Alterations (Provisional)

**COLLECTION**

Total Brought Forward from Page No.

**Page  
No**

**Amount**

296

297

298

299

300

**Carried Forward to Summary of Section No. 8**

Block G - Hall With Exam Classroom  
Bill No. 1  
Alterations (Provisional)

R

Item No		Quantity	Rate	Amount
	<b><u>BILL NO. 2</u></b>			
	<b><u>EARTHWORKS (PROVISIONAL)</u></b>			
	<b><u>EXCAVATION, FILLING, ETC OTHER THAN BULK</u></b>			
	<b><u>EXCAVATIONS, ETC</u></b>			
	<u>Excavation in earth not exceeding 2m deep</u>			
1	Thickening under surface beds, etc.	m3	24	
	<u>Extra over trench and hole excavations in earth for excavation in</u>			
2	Soft rock	m3	2	
3	Hard rock	m3	1	
	<u>Risk of collapse of excavations</u>			
4	Sides of trench and hole excavations not exceeding 1,5m deep	m2	24	
	<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 95% Mod AASHTO density	m2	119	
	<b><u>FILLING ETC</u></b>			
	<u>Earth filling obtained from the excavations and/or prescribed stock piles on site, compacted to 95% Mod AASHTO density</u>			
6	Backfilling to trenches, holes, etc	m3	1	
	<b>Carried to Collection</b>			R
	Block G - Hall With Exam Classroom			
	Bill No. 2			
	Earthworks (Provisional)			

**WEED KILLERS, INSECTICIDES, ETC**

Soil insecticide in accordance with SANS 5859

7	Under floors etc, including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m2	119
---	--	----	-----

**Carried to Collection**

Block G - Hall With Exam Classroom  
 Bill No. 2  
 Earthworks (Provisional)

R

Bill No. 2

Earthworks (Provisional)

**COLLECTION**

Total Brought Forward from Page No.

**Page  
No**

302

303

**Amount**

**Carried Forward to Summary of Section No. 8**

Block G - Hall With Exam Classroom  
Bill No. 2  
Earthworks (Provisional)

R

Item No		Quantity	Rate	Amount
	<p><b><u>BILL NO. 3</u></b></p> <p><b><u>CONCRETE, FORMWORK AND REINFORCEMENT (PROVISIONAL)</u></b></p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><u>Cost of tests</u></p> <p>The costs of making, storing and testing of concrete test cubes as required under clause 7 "Tests" of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the principal agent. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval of the principal agent. (Test cubes are measured separately)</p> <p><u>Formwork</u></p> <p>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</p> <p>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"</p> <p><b><u>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u></b></p> <p><u>25MPa/19mm concrete</u></p>			
1	Surface beds on waterproofing	m3	24	
	<b>Carried to Collection</b>			R
	Block G - Hall With Exam Classroom Bill No. 3 Concrete, Formwork and Reinforcement (Provisional)			

**TEST CUBES**

2	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	2
---	--	----	---

**CONCRETE SUNDRIES**

Finishing top surfaces of concrete smooth with a steel trowel

3	Surface beds, slabs, etc	m2	119
---	--------------------------	----	-----

**ROUGH FORMWORK (DEGREE OF ACCURACY III)**

Rough formwork to sides

4	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	123
---	--	---	-----

**REINFORCEMENT**

Fabric reinforcement

5	Type 193 fabric reinforcement in concrete surface beds etc	m2	119
---	--	----	-----

**Carried to Collection**

Block G - Hall With Exam Classroom  
Bill No. 3  
Concrete, Formwork and Reinforcement (Provisional)

R

**Mzuvele High School  
General Repairs and Renovations**

Bill No. 3  
Concrete, Formwork and Reinforcement (Provisional)

**COLLECTION**

Total Brought Forward from Page No.

**Page  
No**

305

306

**Amount**

**Carried Forward to Summary of Section No. 8**

Block G - Hall With Exam Classroom  
Bill No. 3  
Concrete, Formwork and Reinforcement (Provisional)

R

Item No		Quantity	Rate	Amount
	<b><u>BILL NO. 4</u></b>			
	<b><u>MASONRY (PROVISIONAL)</u></b>			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
	<b><u>BRICKWORK</u></b>			
	<u>Sizes in descriptions</u>			
	Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick			
	<b><u>BRICKWORK</u></b>			
	<b><u>SUPERSTRUCTURE</u></b>			
	<u>Brickwork of NFP bricks in class II mortar</u>			
1	One brick walls	m2	1	
	<u>2.5mm Galvanised brick reinforcement</u>			
2	150mm Wide reinforcement built in horizontally	m	2	
	<b>Carried Forward to Summary of Section No. 8</b>			
	Block G - Hall With Exam Classroom			
	Bill No. 4			
	Masonry (Provisional)			
				R

Item No		Quantity	Rate	Amount
	<b><u>BILL NO. 5</u></b>			
	<b><u>ROOF COVERINGS (PROVISIONAL)</u></b>			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
	<b><u>Proprietary items or materials</u></b>			
	Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Head			
	<b><u>PROFILED METAL SHEETING AND ACCESSORIES</u></b>			
	<u>0.50mm - G550 AZ150, ColorPlus® Steel IBR with integral stiffening rib steel roof sheeting and accessories with ColorPlus® and ZincAL® finish on one side and protective primer coating on the reverse side fixed to timber purlins with equal spacing (timber purlins measured elsewhere)</u>			
1	Roof covering with pitches not exceeding 25 degrees	m2	666	
2	Ridge cappings 475mm girth	m	19	
	<b><u>ROOF AND WALL INSULATION</u></b>			
	<u>Multi-layered reinforced double-sided aluminium foil sheeting in accordance with SANS 1381-4 with a mass of not less than 293g/m<sup>2</sup> and a Class I fire rating in accordance with SANS 0177-3</u>			
3	Insulation sheeting laid taut over purlins (at approximately 1200mm centres) and fixed concurrent with roof covering with minimum 150mm stapled laps including galvanised steel straining wires at not exceeding 400mm centres and double-sided tape at edges where required	m2	666	
	<b>Carried Forward to Summary of Section No. 8</b>			R
	Block G - Hall With Exam Classroom			
	Bill No. 5			
	Roof Coverings (Provisional)			

Item No		Quantity	Rate	Amount
	<b><u>BILL NO. 6</u></b>			
	<b><u>CARPENTRY AND JOINERY (PROVISIONAL)</u></b>			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
	<u>Fixing</u>			
	Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete			
	Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere			
	<u>Joinery</u>			
	Descriptions of hardwood joinery shall be deemed to include sinking and pelleting heads and nuts of bolts			
	<b><u>EAVES, VERGES, ETC</u></b>			
	<u>Medium density plain fibre-cement fascias and barge boards</u>			
1	80 x 200mm Angle section barge boards including galvanised steel H-profile jointing strips and fix with hot dip galvanised screws and washers	m	68	
2	12 x 225mm Medium density fascia boards including galvanised H-profile jointing strips tied with and including hot dipped galvanised screws and washers	m	52	
	<b>Carried to Collection</b>			R
	Block G - Hall With Exam Classroom			
	Bill No. 6			
	Carpentry and Joinery (Provisional)			

**TIMBER DOORS, WINDOWS, ETC**

Wrought meranti doors hung to timber/steel frames

3	44mm Framed, ledged and braced batten door 813 x 2032mm high of 40 x110mm wide top rail and stiles, 20 x 150mm middle ledge and braces and 20 x 225mm bottom ledge, filled in with 22mm tongued and grooved V-jointed one side vertical boarding with tongued and grooved joints to top rail and stiles and with inner edges of framing and abutting edges of boarding chamfered to form V-joint	No	7
4	Ditto, but double door 1600 x 2032mm high with rebated meeting edges	No	1
<u>Semi-solid flush doors with commercial veneer suitable for painting</u>			
5	44mm Door 813 x 2032mm high	No	1

**Carried to Collection**

Block G - Hall With Exam Classroom  
Bill No. 6  
Carpentry and Joinery (Provisional)

R

Bill No. 6

Carpentry and Joinery (Provisional)

**COLLECTION**

Total Brought Forward from Page No.

**Page  
No**

310

311

**Amount**

**Carried Forward to Summary of Section No. 8**

Block G - Hall With Exam Classroom

Bill No. 6

Carpentry and Joinery (Provisional)

R

Item No	Quantity	Rate	Amount
<b><u>BILL NO. 7</u></b>			
<b><u>CEILING, PARTITIONS AND ACCESS FLOORING (PROVISIONAL)</u></b>			
<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
<u>Fixing</u>			
Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete			
Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere			
<u>Ceilings</u>			
Unless otherwise described ceilings shall be deemed to be horizontal			
<b><u>Proprietary items or materials</u></b>			
Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Head			
<b><u>NAILED-UP CEILINGS</u></b>			
<u>6,4mm Fibre-cement plain ceiling boards with H-profile galvanised steel jointing strips</u>			
1	Ceilings including 38 x 38mm sawn softwood bandering at 400mm centres	m2	666
<u>Nucornice foam plastic cornices</u>			
2	75mm Coved cornices	m	120
<b>Carried Forward to Summary of Section No. 8</b>			R
Block G - Hall With Exam Classroom Bill No. 7 Ceilings, Partitions and Access Flooring (Provisional)			

Item No		Quantity	Rate	Amount
	<b><u>BILL NO. 8</u></b>			
	<b><u>FLOOR COVERINGS, WALL LININGS, ETC (PROVISIONAL)</u></b>			
	<b><u>FLOOR COVERINGS</u></b>			
	<u>300 x 300 x 2.5mm Semi flexible vinyl tiles</u>			
1	On floors	m2	559	
	<u>Vinyl skirtings, nosings, etc</u>			
2	70mm High vinyl skirting	m	202	
	<b><u>POLISH, SEALERS, ETC</u></b>			
3	Three coats wax polish on vinyl flooring	m2	559	
	<b>Carried Forward to Summary of Section No. 8</b>			R
	Block G - Hall With Exam Classroom			
	Bill No. 8			
	Floor Coverings, Wall Linings, etc. (Provisional)			

Item No	Quantity	Rate	Amount
<p><b><u>BILL NO. 9</u></b></p>			
<p><b><u>IRONMONGERY (PROVISIONAL)</u></b></p>			
<p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p>			
<p><u>Proprietary items</u></p>			
<p>Where applicable the manufacturers' names or product catalogue titles are given in sub-headings preceding the items</p>			
<p>Prices are to be based on the specific products/articles specified. If tenderers wish to offer alternative products/articles for certain items, these items are to be clearly marked and the alternative specification given with supporting brochures etc clarifying the features of the products/articles offered</p>			
<p>On request returnable samples are to be provided to the principal agent for consideration</p>			
<p><u>Finishes to ironmongery</u></p>			
<p>Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list:</p>			
<p>BS Satin bronze lacquered</p>			
<p>CH Chromium plated</p>			
<p>SC Satin chromium plated</p>			
<p>SE Silver enamelled</p>			
<p>GE Grey enamelled</p>			
<p>AN Anodised natural</p>			
<p>AS Anodised silver</p>			
<p>AB Anodised bronze</p>			
<p>AG Anodised gold</p>			
<p>ABL Anodised black</p>			
<p>PB Polished brass</p>			
<p>PL Polished and lacquered</p>			
<p>PT Epoxy coated</p>			
<p>SD Sanded</p>			
<p><b><u>Proprietary items or materials</u></b></p>			
<p>Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Head</p>			
<p><b>Carried to Collection</b></p>			
<p>Block G - Hall With Exam Classroom Bill No. 9 Ironmongery (Provisional)</p>			
			R

**HINGES, BOLTS, ETC**

Manufactured by "Union" or other equal and approved

1	100mm Aluminium butt hinge	No	20	
---	----------------------------	----	----	--

**LOCKS**

Manufactured by "Union" or other equal and approved

2	Solid art 390/313 Four Lever mortice lockset with and including Satin Chrome Plated handles	No	8	
---	---	----	---	--

3	Solid art 390/313 Four Lever complete mortice lockset for double door with and including Satin Chrome Plated handles and strike plates etc.	No	1	
---	---	----	---	--

**SUNDRIES**

Manufactured by "Union" or other equal and approved

4	38mm Diameter door stop plugged and screwed to floor with a 50mm long brass screw	No	10	
---	---	----	----	--

**PINNING BOARDS, WRITING BOARDS,  
PROJECTION SCREENS, ETC**

Manufactured by "Vitrex System"

5	Standard green enamel megnatic chalkboard overall size 4800 x 1140mm high comprising two fixed panels, each 2400 x 1140mm high, with aluminium chalk rail plugged	No	7	
---	---	----	---	--

6	Pinning board size 2400 x 1200mm high plugged	No	7	
---	---	----	---	--

**Carried to Collection**

Block G - Hall With Exam Classroom  
Bill No. 9  
Ironmongery (Provisional)

R

**Mzuvele High School  
General Repairs and Renovations**

Bill No. 9

Ironmongery (Provisional)

**COLLECTION**

Total Brought Forward from Page No.

**Page  
No**

315

316

**Amount**

**Carried Forward to Summary of Section No. 8**

Block G - Hall With Exam Classroom  
Bill No. 9  
Ironmongery (Provisional)

R

Item No	Quantity	Rate	Amount
<b><u>BILL NO. 10</u></b>			
<b><u>METALWORK (PROVISIONAL)</u></b>			
<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
<u>Descriptions of bolts, anchors, etc</u>			
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			
Items described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described			
<b><u>Proprietary items or materials</u></b>			
Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Head			
<b><u>GALVANISED STEEL GATES, SCREENS, ETC</u></b>			
<u>Welded screens and gates</u>			
1	No	7	
Single hot dipped galvanised mild steel gate, 980mm x 2032mm formed of 40 x 60 x 3mm hollow sectioned frames and midrail, filled in with 12mm solid square vertical bars at 110mm centres including all ironmongery to fix on wall and padlock set, etc.			
2	No	1	
Double hot dipped galvanised mild steel gate, 1800mm x 2032mm formed of 40 x 60 x 3mm hollow sectioned frames and midrail, filled in with 12mm solid square vertical bars at 110mm centres including 50mm brass padlock and all other ironmongery to fix on wall			
<b>Carried Forward to Summary of Section No. 8</b>			R
Block G - Hall With Exam Classroom Bill No. 10 Metalwork (Provisional)			

Item No		Quantity	Rate	Amount
	<b><u>BILL NO. 11</u></b>			
	<b><u>PLASTERING (PROVISIONAL)</u></b>			
	<b><u>SCREEDS</u></b>			
	<u>Screeds steel trowelled, on concrete</u>			
1	30mm Thick on floors and landings	m2	616	
	<b><u>GRANOLITHIC</u></b>			
	<u>Untinted granolithic, on concrete</u>			
2	30mm Thick on floors and landings	m2	57	
	<b><u>INTERNAL PLASTER</u></b>			
	<u>Cement plaster steel trowelled, on brickwork</u>			
3	On walls	m2	879	
4	On narrow widths	m2	16	
	<b>Carried Forward to Summary of Section No. 8</b>			
	Block G - Hall With Exam Classroom			
	Bill No. 11			
	Plastering (Provisional)			
			R	

Item No	Quantity	Rate	Amount
<p><b><u>BILL NO. 12</u></b></p>			
<p><b><u>PLUMBING AND DRAINAGE (PROVISIONAL)</u></b></p>			
<p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p>			
<p><u>Wire gratings</u></p>			
<p>Descriptions of gutter outlets etc shall be deemed to include wire balloon gratings</p>			
<p><u>Stormwater channels</u></p>			
<p>Descriptions of channels shall be deemed to include necessary excavation, surface preparation, compaction, etc, and disposal of surplus material on site</p>			
<p><u>PVC-U pipes and fittings</u></p>			
<p>Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings</p>			
<p>Soil, waste and vent pipes and fittings shall be solvent weld jointed or sealed with butyl rubber rings</p>			
<p><u>Polypropylene pipes</u></p>			
<p>Polypropylene pipes 54mm diameter and smaller shall be seamless copper coloured Class 16 pipes jointed with heat welded thermoplastic or where so described compression fittings</p>			
<p>Pipes shall be firmly fixed to walls, etc with coloured nylon snap-in pipe clips with provision for accommodating thermal movement and jointed and fixed strictly in accordance with the manufacturer's instructions</p>			
<p><u>Fixing of pipes</u></p>			
<p>Unless specifically otherwise stated, descriptions of pipes shall be deemed to include fixing to walls, etc, casting in, building in or suspending not exceeding 1m below suspension level</p>			
<p><b>Carried to Collection</b></p>			
<p>Block G - Hall With Exam Classroom Bill No. 12 Plumbing and Drainage (Provisional)</p>			
		R	

Laying, backfilling, bedding, etc of pipes

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

Where no manufacturers' instructions exist, pipes shall be laid in accordance with the relevant section of SANS 2001

General

Descriptions of cast iron roof outlets shall be deemed to include joints to pipes and casting into concrete (adaptors for joints to PVC pipes, etc are given separately)

Descriptions of overflow pipes where measured in number, shall be deemed to include joints to cisterns and splay cut ends

Descriptions of pipes laid in and including trenches and of inspection chambers, catchpits, etc shall be deemed to include excavation, bedding, backfilling, compaction to a minimum of 93% Mod AASHTO density and disposal of surplus material on site

Descriptions of service pipes and flexible connecting pipes shall be deemed to include connections to taps, cisterns, etc and to steel pipes (adaptors for connections to copper pipes, etc are given separately)

Descriptions of WC pans, slop hoppers, etc shall be deemed to include for joints to soil pipes (pan connectors are separately measured)

As-built drawings

Where required, the contractor shall prepare an updated set of as-built drawings. At completion of the contract the contractor shall hand these drawings to the principal agent for reproducing onto the originals for handing over to the employer (provision for allowance of as-built drawings elsewhere)

**Carried to Collection**

Block G - Hall With Exam Classroom  
 Bill No. 12  
 Plumbing and Drainage (Provisional)

R

French drains

Descriptions of french drains shall be deemed to include excavation, stone filling graded from 300mm diameter at bottom to 75mm diameter at top, geofabric filter blanket over stone, 300mm earthfilling over and disposal of surplus material on site

uPVC pipes and fittings

Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings

Soil, waste and vent pipes and fittings shall be solvent weld jointed or sealed with butyl rubber rings

**RAINWATER DISPOSAL**

Seamless aluminium prepainted gutters and rainwater pipes

1	150mm Half-round roof gutters with beaded front edge	m	52
2	100mm Diameter rainwater pipes	m	23
3	Extra over gutter for stopped end	No	8
4	Extra over gutter for outlet for 100mm pipe	No	8
5	Extra over rainwater pipe for bend	No	16
6	Extra over rainwater pipe for shoe	No	8
7	Extra over rainwater pipe for plinth bend	No	4

**Carried to Collection**

Block G - Hall With Exam Classroom  
Bill No. 12  
Plumbing and Drainage (Provisional)

R

**STORMWATER CHANNELS**

Earthworks

8	Excavate average 125mm deep in earth to form "V" drain profile	m3	15
---	--	----	----

Concrete, Formwork and Reinforcing

25MPa/19mm Reinforced concrete to bottom and sides of "V" drain

9	"V" drains	m3	15
10	Finishing top surface of "V" drains smooth with a steel trowel to falls	m2	119
11	Rough formwork (Degree of accuracy III) to edges, risers, ends and reveals not exceeding 300mm high or wide	m	123
12	Type 193 fabric reinforcement in concrete surface beds etc	m2	119
13	10 x 150mm Pre-compressed bitumen impregnated foam plastic joint sealing strips between brickwork and concrete	m	115

**FIRE APPLIANCES ETC**

14	"Chubb" hose reel with 30m rubber hose, chromium plated stopcock, shut-off nozzle and wall bracket	No	2
15	10kg Carbon dioxide fire extinguisher	No	1

Fire hydrant pedestals

16	100mm "Storz" type fire Hydrant complete	No	3
----	--	----	---

**WATER SUPPLIES TO FIRE APPLIANCES**

Sans 2-1/2 class medium steel piping black/galvanised

17	20 NB screwed socket	m	21
18	25 NB screwed union	No	17

**Carried to Collection**

Block G - Hall With Exam Classroom  
Bill No. 12  
Plumbing and Drainage (Provisional)

R

**Mzuvele High School**  
**General Repairs and Renovations**

19	25 NB screwed barrel nipple screwed	No	21
20	50 NB screwed type	m	64
21	50 NB screwed union	No	7
22	50 NB screwed nipple	No	4
23	50 NB galvanised SANS62 medium elbow	No	9
24	50/25 NB Galvanised screw type reducing tee	No	8
25	Flushing of pipework and pressure testing of whole system		Item
26	Commissioning of Complete System		Item
<b><u>PHOTOLUMINESCENT SIGNS</u></b>			
27	150 x 150mm Sign	No	11
28	Provision of fire plan in laminated A3 size	No	1
29	Emergency assembly point sign with steel pole and mass concrete base	No	1
30	Hydrant and Arrow sign (290x290mm size per sign) with steel pole and mass concrete base.	No	1

**Carried to Collection**

Block G - Hall With Exam Classroom  
Bill No. 12  
Plumbing and Drainage (Provisional)

R

**Mzuvele High School  
General Repairs and Renovations**

Bill No. 12  
Plumbing and Drainage (Provisional)

**COLLECTION**

Total Brought Forward from Page No.

**Page  
No**

**Amount**

320  
321  
322  
323  
324


**Carried Forward to Summary of Section No. 8**

Block G - Hall With Exam Classroom  
Bill No. 12  
Plumbing and Drainage (Provisional)

R


Item No		Quantity	Rate	Amount
	<b><u>BILL NO. 13</u></b>			
	<b><u>ELECTRICAL WORK (PROVISIONAL)</u></b>			
	<b><u>BLOCK G</u></b>			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
	<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			
	<b><u>LOW TENSION DISTRIBUTION</u></b>			
	<b><u>DISTRIBUTION BOARD DB</u></b>			
1	Flush mounted distribution board in one section (uninterruptable power) with door, space for the following equipment and space for 6 additional circuit breakers, colour coded and installed in recess (elsewhere) in brick wall	No	1	
2	60A Triple pole isolator	No	1	
3	10A Single pole MCCB (5kA)	No	5	
	<b><u>CABLES</u></b>			
4	1.5mm <sup>2</sup> 3-Core	m	120	
	<b>Carried to Collection</b>			
	Block G - Hall With Exam Classroom			
	Bill No. 13			
	Electrical work (Provisional)			
				R

**Mzuvele High School**  
**General Repairs and Renovations**

5	2.5mm <sup>2</sup> 3-Core	m	1,010		
6	16mm <sup>2</sup> 3-Core	m	60		
	<u>Cable joints</u>				
7	1.5mm <sup>2</sup> 3-Core	No	2		
8	16mm <sup>2</sup> 3-Core	No	2		
	<u>Cable terminations</u>				
9	1.5mm <sup>2</sup> 3-Core	No	40		
10	2.5mm <sup>2</sup> 3-Core	No	40		
11	16mm <sup>2</sup> 3-Core	No	2		
	<b><u>EARTH CONDUCTORS</u></b>				
	<u>Bare copper earth conductors laid with cable in trenches or sleeve pipes and bonded to cables with plastic strapping at 2m centres</u>				
	<u>PVC insulated copper earth conductors laid with cables in trenches or sleeve pipes and bonded to cables with plastic strapping at 2m centres</u>				
12	6mm <sup>2</sup>	m	60		
	<b><u>SUNDRIES</u></b>				
13	Low tension room accessories comprising first aid kit, pair of rubber gloves and notices on door and inside the room complying with the Occupational Health and Safety Act, 1993	No	1		
	<b><u>GENERAL LIGHTING AND POWER</u></b>				
	<b><u>CONDUITS ETC</u></b>				
	<u>Rigid PVC conduits</u>				
14	20mm Diameter	m	1,130		
	<u>PVC conduit accessories</u>				
15	Round outlet box for 20mm conduit	No	113		
	<b>Carried to Collection</b>				
	Block G - Hall With Exam Classroom				
	Bill No. 13				
	Electrical work (Provisional)				
				R	

**Mzuvele High School**  
**General Repairs and Renovations**

16	Deep type (concrete type) round outlet box for 20mm conduit	No	113
17	Standard draw box for 20mm conduit	No	113
18	50 x 100 x 50mm Outlet box	No	113
19	100 x 100 x 50mm Outlet box	No	113
20	100 x 100 x 50mm Outlet box with blank cover plate	No	113

**CONDUCTORS**

Bare copper conductors drawn into conduit, trunking or power skirting

PVC insulated stranded copper conductors drawn into conduit, trunking or power skirting

Heat resistant silicon insulated stranded copper conductors drawn into conduit, trunking or power skirting

21	1.5mm <sup>2</sup>	m	290
----	--------------------	---	-----

**DRAW-WIRES**

22	Galvanised steel draw-wires drawn into conduit	m	290
----	--	---	-----

**LIGHT SWITCHES, SOCKET OUTLETS, ETC**

23	Flush mounted bell push button	No	1
24	16A Flush mounted two lever one-way switch unit	No	2
25	16A Three pin flush mounted socket outlet with switch, single type	No	101

**LUMINAIRES**

26	Lascon V1-100BC/C/Plas economy injection moulded polycarbonate luminaire with 100W GLS lamp	No	12
----	---	----	----

**SUNDRIES**

27	Earthing of buildings		Item
28	Provision of as built drawings		Item

**Carried to Collection**

Block G - Hall With Exam Classroom  
Bill No. 13  
Electrical work (Provisional)

R

29 Testing and commissioning the complete electrical installation

Item

**Carried to Collection**

Block G - Hall With Exam Classroom  
Bill No. 13  
Electrical work (Provisional)

R

**Mzuvele High School  
General Repairs and Renovations**

Bill No. 13

Electrical work (Provisional)

**COLLECTION**

Total Brought Forward from Page No.

**Page  
No**

**Amount**

326

327

328

329

**Carried Forward to Summary of Section No. 8**

Block G - Hall With Exam Classroom  
Bill No. 13  
Electrical work (Provisional)

R



Item No	Quantity	Rate	Amount
<p><b><u>BILL NO. 15</u></b></p>			
<p><b><u>PAINTWORK (PROVISIONAL)</u></b></p>			
<p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p>			
<p><b><u>PREPARATORY WORK TO EXISTING WORK</u></b></p>			
<p><u>Previously painted plastered surfaces</u></p>			
<p>Surfaces shall be thoroughly washed down and allowed to dry completely before any paint is applied. Blistered or peeling paint shall be completely removed and cracks shall be opened, filled with a suitable filler and finished smooth</p>			
<p><u>Previously painted metal surfaces</u></p>			
<p>Surfaces shall be thoroughly rubbed and cleaned down. Blistered or peeling paint shall be completely removed down to bare metal</p>			
<p><u>Previously painted wood surfaces</u></p>			
<p>Surfaces shall be thoroughly cleaned down. Blistered or peeling paint shall be completely removed and cracks and crevices shall be primed, filled with suitable filler and finished smooth</p>			
<p><b><u>PAINT SPECIFICATIONS</u></b></p>			
<p>All painting shall be done in accordance with manufacturer's specifications unless otherwise described</p>			
<p><b><u>COLOURS</u></b></p>			
<p>Unless otherwise described paintwork on ceilings shall be deemed to be in the "White" colour group and paintwork on all other components shall be deemed to be in the "Pastel" colour group in accordance with the Natural Colour System (NCS) adopted by the SA National Standards</p>			
<p><b>Carried to Collection</b></p>			
<p>Block G - Hall With Exam Classroom Bill No. 15 Paintwork (Provisional)</p>			
		R	

**PAINTWORK ETC TO NEW WORK**

**ON INTERNAL FLOATED PLASTER SURFACES**

One coat alkali resistant primer, one universal undercoat and two coats quality Pva paint

1	Walls	m2	895
---	-------	----	-----

**ON PLASTERBOARD SURFACES**

One coat primer, one universal undercoat and two coats exterior quality "Cemote" pva paint

2	Ceilings and cornices	m2	666
---	-----------------------	----	-----

**ON FIBRE-CEMENT BOARD SURFACES**

Two coats extremely durable UV-resistant, washable pure acrylic emulsion sheen paint

3	Fascias and barge boards, including priming metal jointing strips	m2	64
---	---	----	----

**ON WOOD SURFACES**

One coat primer, one coat alkyd based universal undercoat and two coats superior quality universal enamel paint

4	Doors	m2	35
---	-------	----	----

**PAINTWORK, ETC TO PREVIOUSLY PAINTED WORK**

**ON METAL SURFACES**

One coat alkyd based zinc phosphate primer and two coats premium quality polyurethane enamel paint, on steel

5	Windows	m2	99
---	---------	----	----

6	Door frame	m2	28
---	------------	----	----

**Carried to Collection**

Block G - Hall With Exam Classroom  
Bill No. 15  
Paintwork (Provisional)

R

**ON STRUCTURAL STEELWORK**

Prepare and apply touch-up coat of zinc chromate metal primer (UC.53), one universal undercoat (UC.1) to three micron dry film thickness and two coats universal gloss enamel paint to eight micron dry film thickness

7	Portal frame structure	t	4.00	
---	------------------------	---	------	--

**Carried to Collection**

Block G - Hall With Exam Classroom  
 Bill No. 15  
 Paintwork (Provisional)

R

**Mzuvele High School  
General Repairs and Renovations**

Bill No. 15  
Paintwork (Provisional)

**COLLECTION**

Total Brought Forward from Page No.

**Page  
No**

**Amount**

332  
333  
334


**Carried Forward to Summary of Section No. 8**

Block G - Hall With Exam Classroom  
Bill No. 15  
Paintwork (Provisional)

R


**SECTION SUMMARY - Block G - Hall With Exam Classroom**

Bill No		Page No	Amount
1	Alterations (Provisional)	301	
2	Earthworks (Provisional)	304	
3	Concrete, Formwork and Reinforcement (Provisional)	307	
4	Masonry (Provisional)	308	
5	Roof Coverings (Provisional)	309	
6	Carpentry and Joinery (Provisional)	312	
7	Ceilings, Partitions and Access Flooring (Provisional)	313	
8	Floor Coverings, Wall Linings, etc. (Provisional)	314	
9	Ironmongery (Provisional)	317	
10	Metalwork (Provisional)	318	
11	Plastering (Provisional)	319	
12	Plumbing and Drainage (Provisional)	325	
13	Electrical work (Provisional)	330	
14	Glazing (Provisional)	331	
15	Paintwork (Provisional)	335	
<b>Carried to Final Summary</b>			
Block G - Hall With Exam Classroom			R

Item No	Quantity	Rate	Amount
<p><b><u>BILL NO. 1</u></b></p>			
<p><b><u>ALTERATIONS (PROVISIONAL)</u></b></p>			
<p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p>			
<p><u>View site</u></p>			
<p>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</p>			
<p><u>Explosives</u></p>			
<p>No explosives whatsoever may be used for demolition purposes unless otherwise stated</p>			
<p><u>General</u></p>			
<p>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</p>			
<p>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</p>			
<p><b>Carried to Collection</b></p>			
<p>Block H - Typical 3 Classroom Block          Bill No. 1          Alterations (Provisional)</p>			
		R	

Doors, fanlights, fittings, frames, linings, etc which are to be re-used shall be thoroughly overhauled before refixing including taking off, easing and rehangng, 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 re-varnishing 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

Making good of finishes shall include making good of the brick and concrete surfaces onto which the new finishes are applied, where necessary

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)

Damage to existing finishes

The Contractor will be held responsible for all damage, however caused, to existing finishes and fittings etc. and he must make good all damage at his own expense to the approval of the Principal Agent.

Breaking down, demolition and alteration activities and tasks, hacking off of existing plaster, etc. is to be executed with care so as to prevent damage to remaining floor and wall surfaces and finishes (where these are to be retained). Tenders will be deemed to include allowance for any necessary protection of existing surfaces and structures as may be necessary to effect the above, as the cost of repairing damage to existing surfaces and structures will be solely for the Contractors account.

**Carried to Collection**

Block H - Typical 3 Classroom Block  
 Bill No. 1  
 Alterations (Provisional)

R

Removal of materials

Where removal is included in the heading, sub-heading or item description, prices shall be deemed to include for the necessary costs in removal and appropriate disposal of materials including but not limited to labour, transportation and disposal costs. No further claims in this regard will be entertained.

Removal of asbestos material

The removal of asbestos shall be carried out strictly by a certified entity, registered in accordance with the Occupational Health and Safety Act and the Asbestos Regulation.

Asbestos in all forms/building elements that is to be removed, shall be carried out in strict accordance with aforementioned regulation, and a certificate issued by the entity as contemplated in the above, shall be provided per block for the removal thereof, where the term block shall in this context refer to any single, free standing building structure, regardless of size or purpose.

Corresponding disposal certificates shall be issued by the facility at which the asbestos is disposed of, with said facility to, prior to the disposal of any asbestos material provide satisfactory proof that the facility is duly registered and fully compliant in terms of the act, to receive the asbestos material.

Under no circumstances is the contractor nor any of his duly authorised representatives to sell and/or give away asbestos material to any member/s of the school community, the community in general or the public at large. Should this be found to be occurring, the contractor will be held responsible contractually and may further be prosecuted criminally.

The cost for complying with the above, and all requirements of regulation as reflected above is to be priced for in the items for removal of asbestos material. No further claims in this regard will therefore be entertained.

**Carried to Collection**

Block H - Typical 3 Classroom Block  
Bill No. 1  
Alterations (Provisional)

R

**REMOVAL OF EXISTING WORK**

	<u>Breaking up and removing unreinforced concrete</u>		
1	Steps	m3	3
	<u>Breaking up and removing unreinforced concrete</u>		
2	100mm Thick surface beds	m2	77
	<u>Breaking down and removing brickwork etc</u>		
3	One brick walls	m2	8
	<u>Taking out and removing doors, windows, etc., including thresholds, sills, etc. (building up openings and making good finishes elsewhere)</u>		
4	Timber single door not exceeding 2,5m <sup>2</sup>	No	3
5	Servicing of existing steel windows with new hinges, latches etc	No	6
	<b><u>Note: Tenderers are referred to the foregoing supplementary preambles within this trade when pricing the following item (removal of asbestos)</u></b>		
	<u>Taking down and removal of Asbestos by Specialist</u>		
6	Asbestos roof sheets, including all timber purlins, fixings, etc.	m2	276
	<u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc</u>		
7	Timber rafters forming a double pitch roof on laminated timber beam apex (laminated timber beam elsewhere), including wall plates, timber supports and bracing on eaves	m	335
8	297 x 70mm Laminated timber beam at apex of gable roof	m	24
9	Barge boards	m	23
10	Fascia boards	m	49
11	Eaves gutters	m	49

**Carried to Collection**

R

Block H - Typical 3 Classroom Block  
Bill No. 1  
Alterations (Provisional)

**Mzuvele High School  
General Repairs and Renovations**

12	Rainwater pipes	m	19
	<u>Taking out and removing ironmongery</u>		
13	Remove existing pinning boards approximately 2400 x 1200mm high including fixings, etc., and cart off site	No	3
14	Remove existing chalkboards approximately 4800 x 1200mm high including fixings, etc., and cart off site	No	3
	<u>Taking out/off and removing sundry metalwork</u>		
15	Steel single leaf security gate not exceeding 2,5m <sup>2</sup>	No	3
	<u>Hacking up/off and removing granolithic, screeds, plaster, etc from concrete or brickwork and preparing surfaces for new screed, plaster, tile finishes, etc</u>		
16	30mm Screed from floors	m2	208
17	Internal plaster from walls and columns	m2	209
	<u>Taking out/off and removing glass and mirrors</u>		
18	Glass from steel windows, including cleaning out rebates and preparing for new glass (new glass elsewhere)	m2	7
	<b><u>MAKING GOOD OF FINISHES, ETC</u></b>		
	<u>Cleaning brickwork</u>		
19	Acid cleaning internal face brickwork at dado level with high pressure cleaner and leave walls clean, in perfect condition and re-apply two coats of clear gloss face brick sealer	m2	120
20	Acid cleaning external face brickwork with high pressure cleaner and leave walls clean, in perfect condition	m2	173
	<b><u>MAKING GOOD OF EXISTING WORKS</u></b>		
21	Repairs to existing surface beds, including filling up cracks, with an approved filler, stitching as required, etc	m2	22

**Carried to Collection**

Block H - Typical 3 Classroom Block  
Bill No. 1  
Alterations (Provisional)

R

**Mzuvele High School  
General Repairs and Renovations**

Bill No. 1

Alterations (Provisional)

**COLLECTION**

Total Brought Forward from Page No.

**Page  
No**

**Amount**

337

338

339

340

341

**Carried Forward to Summary of Section No. 9**

Block H - Typical 3 Classroom Block  
Bill No. 1  
Alterations (Provisional)

R

Item No		Quantity	Rate	Amount
	<b><u>BILL NO. 2</u></b>			
	<b><u>EARTHWORKS (PROVISIONAL)</u></b>			
	<b><u>EXCAVATION, FILLING, ETC OTHER THAN BULK</u></b>			
	<b><u>EXCAVATIONS, ETC</u></b>			
	<u>Excavation in earth not exceeding 2m deep</u>			
1	Holes	m3	1	
2	Thickening under surface beds, etc.	m3	9	
	<u>Extra over trench and hole excavations in earth for excavation in</u>			
3	Soft rock	m3	1	
4	Hard rock	m3	1	
	<u>Risk of collapse of excavations</u>			
5	Sides of trench and hole excavations not exceeding 1,5m deep	m2	39	
	<u>Compaction of surfaces</u>			
6	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 95% Mod AASHTO density	m2	70	
	<b><u>FILLING ETC</u></b>			
	<u>Earth filling obtained from the excavations and/or prescribed stock piles on site, compacted to 95% Mod AASHTO density</u>			
7	Backfilling to trenches, holes, etc	m3	2	
	<b>Carried to Collection</b>			R
	Block H - Typical 3 Classroom Block			
	Bill No. 2			
	Earthworks (Provisional)			

**WEED KILLERS, INSECTICIDES, ETC**

Soil insecticide in accordance with SANS 5859

8 Under floors etc, including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming

m2

70

**Carried to Collection**

Block H - Typical 3 Classroom Block  
Bill No. 2  
Earthworks (Provisional)

R

**Mzuvele High School  
General Repairs and Renovations**

Bill No. 2

Earthworks (Provisional)

**COLLECTION**

Total Brought Forward from Page No.

**Page  
No**

343

344

**Amount**

**Carried Forward to Summary of Section No. 9**

Block H - Typical 3 Classroom Block

Bill No. 2

Earthworks (Provisional)

R

Item No		Quantity	Rate	Amount
	<p><b><u>BILL NO. 3</u></b></p> <p><b><u>CONCRETE, FORMWORK AND REINFORCEMENT (PROVISIONAL)</u></b></p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><u>Cost of tests</u></p> <p>The costs of making, storing and testing of concrete test cubes as required under clause 7 "Tests" of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the principal agent. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval of the principal agent. (Test cubes are measured separately)</p> <p><u>Formwork</u></p> <p>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</p> <p>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"</p> <p><b><u>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u></b></p> <p><u>25MPa/19mm concrete</u></p>			
1	Bases	m3	2	
	<b>Carried to Collection</b>			R
	Block H - Typical 3 Classroom Block Bill No. 3 Concrete, Formwork and Reinforcement (Provisional)			

**REINFORCED CONCRETE CAST ON/IN FORMWORK**

25MPa/19mm concrete

2	Surface beds on waterproofing	m3	9
---	-------------------------------	----	---

**TEST CUBES**

3	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	2
---	--	----	---

**CONCRETE SUNDRIES**

Finishing top surfaces of concrete smooth with a steel trowel

4	Surface beds, slabs, etc	m2	70
---	--------------------------	----	----

**ROUGH FORMWORK (DEGREE OF ACCURACY III)**

Rough formwork to sides

5	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	74
---	--	---	----

**REINFORCEMENT**

Fabric reinforcement

6	Type 193 fabric reinforcement in concrete surface beds etc	m2	70
---	--	----	----

**Carried to Collection**

Block H - Typical 3 Classroom Block  
Bill No. 3  
Concrete, Formwork and Reinforcement (Provisional)

R

Bill No. 3  
Concrete, Formwork and Reinforcement (Provisional)

**COLLECTION**

Total Brought Forward from Page No.

**Page  
No**

346

347

**Amount**

**Carried Forward to Summary of Section No. 9**

Block H - Typical 3 Classroom Block  
Bill No. 3  
Concrete, Formwork and Reinforcement (Provisional)

R

Item No		Quantity	Rate	Amount
	<b><u>BILL NO. 4</u></b>			
	<b><u>MASONRY (PROVISIONAL)</u></b>			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
	<b><u>BRICKWORK</u></b>			
	<u>Sizes in descriptions</u>			
	Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick			
	<b><u>BRICKWORK</u></b>			
	<b><u>FOUNDATIONS (PROVISIONAL)</u></b>			
	<u>Brickwork of NFP bricks in class II mortar</u>			
1	Piers	m3	0.2	
	<b><u>SUPERSTRUCTURE</u></b>			
	<u>Brickwork of NFP bricks in class II mortar</u>			
2	Piers	m3	2	
	<b>Carried Forward to Summary of Section No. 9</b>			R
	Block H - Typical 3 Classroom Block			
	Bill No. 4			
	Masonry (Provisional)			

Item No		Quantity	Rate	Amount
	<b><u>BILL NO. 5</u></b>			
	<b><u>ROOF COVERINGS (PROVISIONAL)</u></b>			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
	<b><u>Proprietary items or materials</u></b>			
	Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Head			
	<b><u>PROFILED METAL SHEETING AND ACCESSORIES</u></b>			
	<u>0.50mm - G550 AZ150, ColorPlus® Steel IBR with integral stiffening rib steel roof sheeting and accessories with ColorPlus® and ZincAL® finish on one side and protective primer coating on the reverse side fixed to timber purlins with equal spacing (timber purlins measured elsewhere)</u>			
1	Roof covering with pitches not exceeding 25 degrees	m2	256	
2	Ridge cappings 475mm girth	m	25	
	<b><u>ROOF AND WALL INSULATION</u></b>			
	<u>Multi-layered reinforced double-sided aluminium foil sheeting in accordance with SANS 1381-4 with a mass of not less than 293g/m<sup>2</sup> and a Class I fire rating in accordance with SANS 0177-3</u>			
3	Insulation sheeting laid taut over purlins (at approximately 1200mm centres) and fixed concurrent with roof covering with minimum 150mm stapled laps including galvanised steel straining wires at not exceeding 400mm centres and double-sided tape at edges where required	m2	256	
	<b>Carried Forward to Summary of Section No. 9</b>			R
	Block H - Typical 3 Classroom Block			
	Bill No. 5			
	Roof Coverings (Provisional)			

Item No		Quantity	Rate	Amount
	<p><b><u>BILL NO. 6</u></b></p> <p><b><u>CARPENTRY AND JOINERY (PROVISIONAL)</u></b></p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><u>Fixing</u></p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete</p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere</p> <p><u>Joinery</u></p> <p>Descriptions of hardwood joinery shall be deemed to include sinking and pelleting heads and nuts of bolts</p> <p><b><u>ROOFS ETC</u></b></p> <p><b><u>PLATE NAILED TIMBER ROOF TRUSS CONSTRUCTION ETC</u></b></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Trusses are at maximum 1200mm centres</p> <p>Roof covering is 0.50mm - G550 AZ150, ColorPlus® Steel IBR with integral stiffening rib steel roof sheeting and accessories with ColorPlus® and ZincAL® finish on one side and protective primer coating on the reverse side fixed to timber purlins with equal spacing.</p> <p>Ceilings are 6,4mm rhinoboard on 38 x 38mm brandering</p> <p style="text-align: right;"><b>Carried to Collection</b></p> <p>Block H - Typical 3 Classroom Block Bill No. 6 Carpentry and Joinery (Provisional)</p>			R

**Mzuvele High School**  
**General Repairs and Renovations**

	Dimensions in descriptions of trusses are nominal and actual measurements are to be obtained from the architect/engineer and/or taken on site before design or fabrication commences			
1	Supply and install prefabricated timber roof truss system complete and in accordance with the Standard Building Regulations. Truss spanning 9220 x 1700mm high overall with 700mm eaves projection on both sides	No	21	
	<u>Wrought laminated Saligna</u>			
2	297 x 70mm Beam bolted to brick piers	m	24	
	<u>Sawn softwood</u>			
3	38 x 114mm Wall plates	m	48	
4	50 x 76mm Purlins	m	294	
5	38 x 114mm Bracing	m	30	
	<u>Sundries</u>			
6	Wrought faces on sawn timbers	m2	43	
7	Two coats creosote on sawn timbers	m2	43	
	<b><u>EAVES, VERGES, ETC</u></b>			
	<u>Medium density plain fibre-cement fascias and barge boards</u>			
8	80 x 200mm Angle section barge boards including galvanised steel H-profile jointing strips and fix with hot dip galvanised screws and washers	m	21	
9	12 x 225mm Medium density fascia boards including galvanised H-profile jointing strips tied with and including hot dipped galvanised screws and washers	m	49	
	<b>Carried to Collection</b>			
	Block H - Typical 3 Classroom Block			
	Bill No. 6			
	Carpentry and Joinery (Provisional)			
				R

**TIMBER DOORS, WINDOWS, ETC**

Wrought meranti doors hung to timber frames

10 44mm Framed, ledged and braced batten door 813 x 2032mm high of 40 x110mm wide top rail and stiles, 20 x 150mm middle ledge and braces and 20 x 225mm bottom ledge, filled in with 22mm tongued and grooved V-jointed one side vertical boarding with tongued and grooved joints to top rail and stiles and with inner edges of framing and abutting edges of boarding chamfered to form V-joint

No

3

**Carried to Collection**

Block H - Typical 3 Classroom Block  
Bill No. 6  
Carpentry and Joinery (Provisional)

R

**Mzuvele High School  
General Repairs and Renovations**

Bill No. 6

Carpentry and Joinery (Provisional)

**COLLECTION**

Total Brought Forward from Page No.

**Page  
No**

**Amount**

351

352

353

**Carried Forward to Summary of Section No. 9**

Block H - Typical 3 Classroom Block  
Bill No. 6  
Carpentry and Joinery (Provisional)

R

Item No	Quantity	Rate	Amount
<b><u>BILL NO. 7</u></b>			
<b><u>CEILING, PARTITIONS AND ACCESS FLOORING (PROVISIONAL)</u></b>			
<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
<u>Fixing</u>			
Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete			
Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere			
<u>Ceilings</u>			
Unless otherwise described ceilings shall be deemed to be horizontal			
<b><u>Proprietary items or materials</u></b>			
Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Head			
<b><u>NAILED-UP CEILINGS</u></b>			
<u>6,4mm Fibre-cement plain ceiling boards with H-profile galvanised steel jointing strips</u>			
1	Ceilings including 38 x 38mm sawn softwood bandering at 400mm centres	m2	163
2	Extra over ceiling for 600 x 600mm trap door of 38 x 38mm wrought softwood rebated framing with one cross brander, covered with ceiling board and fitted flush in opening, including necessary trimmers around	No	3
<u>Nucornice foam plastic cornices</u>			
3	75mm Coved cornices	m	88
<b>Carried Forward to Summary of Section No. 9</b>			R
Block H - Typical 3 Classroom Block Bill No. 7 Ceilings, Partitions and Access Flooring (Provisional)			

Mzuvele High School  
General Repairs and Renovations

Item No		Quantity	Rate	Amount
	<b><u>BILL NO. 8</u></b>			
	<b><u>FLOOR COVERINGS, WALL LININGS, ETC (PROVISIONAL)</u></b>			
	<b><u>FLOOR COVERINGS</u></b>			
	<u>300 x 300 x 2.5mm Semi flexible vinyl tiles</u>			
1	On floors	m2	163	
	<u>Vinyl skirtings, nosings, etc</u>			
2	70mm High vinyl skirting	m	88	
	<b><u>POLISH, SEALERS, ETC</u></b>			
3	Three coats wax polish on vinyl flooring	m2	163	
	<b>Carried Forward to Summary of Section No. 9</b>			
	Block H - Typical 3 Classroom Block			
	Bill No. 8			
	Floor Coverings, Wall Linings, etc. (Provisional)			
				R

Item No	Quantity	Rate	Amount
<p><b><u>BILL NO. 9</u></b></p>			
<p><b><u>IRONMONGERY (PROVISIONAL)</u></b></p>			
<p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p>			
<p><u>Proprietary items</u></p>			
<p>Where applicable the manufacturers' names or product catalogue titles are given in sub-headings preceding the items</p>			
<p>Prices are to be based on the specific products/articles specified. If tenderers wish to offer alternative products/articles for certain items, these items are to be clearly marked and the alternative specification given with supporting brochures etc clarifying the features of the products/articles offered</p>			
<p>On request returnable samples are to be provided to the principal agent for consideration</p>			
<p><u>Finishes to ironmongery</u></p>			
<p>Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list:</p>			
<p>BS Satin bronze lacquered</p>			
<p>CH Chromium plated</p>			
<p>SC Satin chromium plated</p>			
<p>SE Silver enamelled</p>			
<p>GE Grey enamelled</p>			
<p>AN Anodised natural</p>			
<p>AS Anodised silver</p>			
<p>AB Anodised bronze</p>			
<p>AG Anodised gold</p>			
<p>ABL Anodised black</p>			
<p>PB Polished brass</p>			
<p>PL Polished and lacquered</p>			
<p>PT Epoxy coated</p>			
<p>SD Sanded</p>			
<p><b><u>Proprietary items or materials</u></b></p>			
<p>Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Head</p>			
<p><b>Carried to Collection</b></p>			
<p>Block H - Typical 3 Classroom Block Bill No. 9 Ironmongery (Provisional)</p>			
			R

**HINGES, BOLTS, ETC**

"Union" or other equally approved

1	100mm Aluminium butt hinge	No	6
---	----------------------------	----	---

**LOCKS**

Manufactured by "Union"

2	Solid art 390/313 Four Lever mortice lockset with and including Satin Chrome Plated handles	No	3
---	---	----	---

**SUNDRIES**

Manufactured by "Union"

3	38mm Diameter door stop plugged and screwed to floor with a 50mm long brass screw	No	3
---	---	----	---

**PINNING BOARDS, WRITING BOARDS, PROJECTION SCREENS, ETC**

Manufactured by "Vitrex System"

4	Standard green enamel megnatic chalkboard overall size 4800 x 1140mm high comprising two fixed panels, each 2400 x 1140mm high, with aluminium chalk rail plugged	No	3
---	---	----	---

5	Pinning board size 2400 x 1200mm high plugged	No	3
---	---	----	---

**Carried to Collection**

Block H - Typical 3 Classroom Block  
Bill No. 9  
Ironmongery (Provisional)

R

**Mzuvele High School  
General Repairs and Renovations**

Bill No. 9

Ironmongery (Provisional)

**COLLECTION**

Total Brought Forward from Page No.

**Page  
No**

357

358

**Amount**

**Carried Forward to Summary of Section No. 9**

Block H - Typical 3 Classroom Block

Bill No. 9

Ironmongery (Provisional)

R

Item No		Quantity	Rate	Amount
	<b><u>BILL NO. 10</u></b>			
	<b><u>METALWORK (PROVISIONAL)</u></b>			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
	<u>Descriptions of bolts, anchors, etc</u>			
	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			
	Items described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described			
	<b><u>Proprietary items or materials</u></b>			
	Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Head			
	<b><u>GALVANISED STEEL GATES, SCREENS, ETC</u></b>			
	<u>Welded screens and gates</u>			
1	Single hot dipped galvanised mild steel gate, 980mm x 2032mm formed of 40 x 60 x 3mm hollow sectioned frames and midrail, filled in with 12mm solid square vertical bars at 110mm centres including all ironmongery to fix on wall and padlock set	No	3	
	<b><u>GALVANISED STEEL MINOR WORK</u></b>			
	<u>Galvanised steel post, including fixing accessories to laminated timber beam and concrete floors</u>			
2	100mm Diameter galvanised mild steel support post with timber beam over to support roof above (Timber beam elsewhere)	No	7	
	<b>Carried Forward to Summary of Section No. 9</b>			
	Block H - Typical 3 Classroom Block			
	Bill No. 10			
	Metalwork (Provisional)			
				R

Item No		Quantity	Rate	Amount
	<b><u>BILL NO. 11</u></b>			
	<b><u>PLASTERING (PROVISIONAL)</u></b>			
	<b><u>INTERNAL PLASTER</u></b>			
	<b><u>SCREEDS</u></b>			
	<u>Screeds steel trowelled, on concrete</u>			
1	30mm Thick on floors and landings	m2	208	
	<b><u>GRANOLITHIC</u></b>			
	<u>Untinted granolithic, on concrete</u>			
2	30mm Thick on floors and landings	m2	46	
	<u>Cement plaster steel trowelled, on brickwork</u>			
3	On walls	m2	209	
4	On narrow widths	m2	14	
	<b>Carried Forward to Summary of Section No. 9</b>			
	Block H - Typical 3 Classroom Block			
	Bill No. 11			
	Plastering (Provisional)			
			R	

Item No	Quantity	Rate	Amount
<p><b><u>BILL NO. 12</u></b></p>			
<p><b><u>PLUMBING AND DRAINAGE (PROVISIONAL)</u></b></p>			
<p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p>			
<p><u>Wire gratings</u></p>			
<p>Descriptions of gutter outlets etc shall be deemed to include wire balloon gratings</p>			
<p><u>Stormwater channels</u></p>			
<p>Descriptions of channels shall be deemed to include necessary excavation, surface preparation, compaction, etc, and disposal of surplus material on site</p>			
<p><u>PVC-U pipes and fittings</u></p>			
<p>Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings</p>			
<p>Soil, waste and vent pipes and fittings shall be solvent weld jointed or sealed with butyl rubber rings</p>			
<p><u>Polypropylene pipes</u></p>			
<p>Polypropylene pipes 54mm diameter and smaller shall be seamless copper coloured Class 16 pipes jointed with heat welded thermoplastic or where so described compression fittings</p>			
<p>Pipes shall be firmly fixed to walls, etc with coloured nylon snap-in pipe clips with provision for accommodating thermal movement and jointed and fixed strictly in accordance with the manufacturer's instructions</p>			
<p><u>Fixing of pipes</u></p>			
<p>Unless specifically otherwise stated, descriptions of pipes shall be deemed to include fixing to walls, etc, casting in, building in or suspending not exceeding 1m below suspension level</p>			
<p><b>Carried to Collection</b></p>			
<p>Block H - Typical 3 Classroom Block Bill No. 12 Plumbing and Drainage (Provisional)</p>			
		R	

Laying, backfilling, bedding, etc of pipes

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

Where no manufacturers' instructions exist, pipes shall be laid in accordance with the relevant section of SANS 2001

General

Descriptions of cast iron roof outlets shall be deemed to include joints to pipes and casting into concrete (adaptors for joints to PVC pipes, etc are given separately)

Descriptions of overflow pipes where measured in number, shall be deemed to include joints to cisterns and splay cut ends

Descriptions of pipes laid in and including trenches and of inspection chambers, catchpits, etc shall be deemed to include excavation, bedding, backfilling, compaction to a minimum of 93% Mod AASHTO density and disposal of surplus material on site

Descriptions of service pipes and flexible connecting pipes shall be deemed to include connections to taps, cisterns, etc and to steel pipes (adaptors for connections to copper pipes, etc are given separately)

Descriptions of WC pans, slop hoppers, etc shall be deemed to include for joints to soil pipes (pan connectors are separately measured)

As-built drawings

Where required, the contractor shall prepare an updated set of as-built drawings. At completion of the contract the contractor shall hand these drawings to the principal agent for reproducing onto the originals for handing over to the employer (provision for allowance of as-built drawings elsewhere)

**Carried to Collection**

Block H - Typical 3 Classroom Block  
 Bill No. 12  
 Plumbing and Drainage (Provisional)

R

French drains

Descriptions of french drains shall be deemed to include excavation, stone filling graded from 300mm diameter at bottom to 75mm diameter at top, geofabric filter blanket over stone, 300mm earthfilling over and disposal of surplus material on site

uPVC pipes and fittings

Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings

Soil, waste and vent pipes and fittings shall be solvent weld jointed or sealed with butyl rubber rings

**RAINWATER DISPOSAL**

Seamless aluminium prepainted gutters and rainwater pipes

1	150mm Half-round roof gutters with beaded front edge	m	49
2	100mm Diameter rainwater pipes	m	23
3	Extra over gutter for stopped end	No	4
4	Extra over gutter for outlet for 100mm pipe	No	4
5	Extra over rainwater pipe for bend	No	8
6	Extra over rainwater pipe for plinth bend	No	2
7	Extra over rainwater pipe for shoe	No	4
8	Extra over rainwater pipe for eaves or plinth offset	No	4

**STORMWATER CHANNELS**

Earthworks

9	Excavate average 125mm deep in earth to form "V" drain profile	m3	11
---	--	----	----

Concrete, Formwork and Reinforcing

**Carried to Collection**

Block H - Typical 3 Classroom Block  
Bill No. 12  
Plumbing and Drainage (Provisional)

R

	<u>25MPa/19mm Reinforced concrete to bottom and sides of "V" drain</u>				
10	"V" drains	m3	9		
11	Finishing top surface of "V" drains smooth with a steel trowel to falls	m2	70		
12	Rough formwork (Degree of accuracy III) to edges, risers, ends and reveals not exceeding 300mm high or wide	m	74		
13	Type 193 fabric reinforcement in concrete surface beds etc	m2	70		
14	10 x 150mm Pre-compressed bitumen impregnated foam plastic joint sealing strips between brickwork and concrete	m	66		
	<b><u>FIRE APPLIANCES ETC</u></b>				
15	"Chubb" hose reel with 30m rubber hose, chromium plated stopcock, shut-off nozzle and wall bracket	No	2		
16	10kg Carbon dioxide fire extinguisher	No	1		
	<u>Fire hydrant pedestals</u>				
17	100mm "Storz" type fire Hydrant complete	No	3		
	<b><u>WATER SUPPLIES TO FIRE APPLIANCES</u></b>				
	<u>Sans 2-1/2 class medium steel piping black/galvanised</u>				
18	20 NB screwed socket	m	21		
19	25 NB screwed union	No	17		
20	25 NB screwed barrel nipple screwed	No	21		
21	50 NB screwed type	m	64		
22	50 NB screwed union	No	7		
23	50 NB screwed nipple	No	4		
24	50 NB galvanised SANS62 medium elbow	No	9		
	<b>Carried to Collection</b>				
	Block H - Typical 3 Classroom Block				
	Bill No. 12				
	Plumbing and Drainage (Provisional)				

R

**Mzuvele High School**  
**General Repairs and Renovations**

25	50/25 NB Galvanised screw type reducing tee	No	8
26	Flushing of pipework and pressure testing of whole system		Item
27	Commissioning of Complete System		Item
<b><u>PHOTOLUMINESCENT SIGNS</u></b>			
28	150 x 150mm Sign	No	11
29	Provision of fire plan in laminated A3 size	No	1
30	Emergency assembly point sign with steel pole and mass concrete base	No	1
31	Hydrant and Arrow sign (290x290mm size per sign) with steel pole and mass concrete base.	No	1

**Carried to Collection**

Block H - Typical 3 Classroom Block  
Bill No. 12  
Plumbing and Drainage (Provisional)

R

**Mzuvele High School  
General Repairs and Renovations**

Bill No. 12  
Plumbing and Drainage (Provisional)

**COLLECTION**

Total Brought Forward from Page No.

**Page  
No**

**Amount**

362  
363  
364  
365  
366


**Carried Forward to Summary of Section No. 9**

Block H - Typical 3 Classroom Block  
Bill No. 12  
Plumbing and Drainage (Provisional)

R


Item No		Quantity	Rate	Amount
	<b><u>BILL NO. 13</u></b>			
	<b><u>ELECTRICAL WORK (PROVISIONAL)</u></b>			
	<b><u>BLOCK H</u></b>			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
	<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			
	<b><u>LOW TENSION DISTRIBUTION</u></b>			
	<b><u>DISTRIBUTION BOARD DB</u></b>			
1	Flush mounted distribution board in one section (uninterruptable power) with door, space for the following equipment and space for 6 additional circuit breakers, colour coded and installed in recess (elsewhere) in brick wall	No	1	
2	60A Triple pole isolator	No	1	
3	10A Single pole MCCB (5kA)	No	5	
	<b><u>CABLES</u></b>			
4	1.5mm <sup>2</sup> 3-Core	m	210	
	<b>Carried to Collection</b>			
	Block H - Typical 3 Classroom Block			
	Bill No. 13			
	Electrical work (Provisional)			
				R

**Mzuvele High School  
General Repairs and Renovations**

5	2.5mm <sup>2</sup> 3-Core	m	70
6	16mm <sup>2</sup> 3-Core	m	60
	<u>Cable joints</u>		
7	1.5mm <sup>2</sup> 3-Core	No	2
8	16mm <sup>2</sup> 3-Core	No	2
	<u>Cable terminations</u>		
9	1.5mm <sup>2</sup> 3-Core	No	40
10	2.5mm <sup>2</sup> 3-Core	No	40
11	16mm <sup>2</sup> 3-Core	No	2
	<b><u>EARTH CONDUCTORS</u></b>		
	<u>Bare copper earth conductors laid with cable in trenches or sleeve pipes and bonded to cables with plastic strapping at 2m centres</u>		
	<u>PVC insulated copper earth conductors laid with cables in trenches or sleeve pipes and bonded to cables with plastic strapping at 2m centres</u>		
12	6mm <sup>2</sup>	m	60
	<b><u>SUNDRIES</u></b>		
13	Low tension room accessories comprising first aid kit, pair of rubber gloves and notices on door and inside the room complying with the Occupational Health and Safety Act, 1993	No	1
	<b><u>GENERAL LIGHTING AND POWER</u></b>		
	<b><u>CONDUITS ETC</u></b>		
	<u>Rigid PVC conduits</u>		
14	20mm Diameter	m	280
	<u>PVC conduit accessories</u>		
15	Round outlet box for 20mm conduit	No	28

**Carried to Collection**

Block H - Typical 3 Classroom Block  
Bill No. 13  
Electrical work (Provisional)

R

**Mzuvele High School**  
**General Repairs and Renovations**

16	Deep type (concrete type) round outlet box for 20mm conduit	No	28
17	Standard draw box for 20mm conduit	No	28
18	50 x 100 x 50mm Outlet box	No	28
19	100 x 100 x 50mm Outlet box	No	28
20	100 x 100 x 50mm Outlet box with blank cover plate	No	28

**CONDUCTORS**

Bare copper conductors drawn into conduit, trunking or power skirting

PVC insulated stranded copper conductors drawn into conduit, trunking or power skirting

Heat resistant silicon insulated stranded copper conductors drawn into conduit, trunking or power skirting

21	1.5mm <sup>2</sup>	m	290
----	--------------------	---	-----

**DRAW-WIRES**

22	Galvanised steel draw-wires drawn into conduit	m	290
----	--	---	-----

**LIGHT SWITCHES, SOCKET OUTLETS, ETC**

23	Flush mounted bell push button	No	1
24	16A Flush mounted two lever one-way switch unit	No	5
25	16A Three pin flush mounted socket outlet with switch, single type	No	7

**LUMINAIRES**

26	Lascon V1-100BC/C/Plas economy injection moulded polycarbonate luminaire with 100W GLS lamp	No	21
----	---	----	----

**SUNDRIES**

27	Earthing of buildings		Item
28	Provision of as built drawings		Item

**Carried to Collection**

Block H - Typical 3 Classroom Block  
Bill No. 13  
Electrical work (Provisional)

R

29 Testing and commissioning the complete electrical installation

Item

**Carried to Collection**

Block H - Typical 3 Classroom Block  
Bill No. 13  
Electrical work (Provisional)

R

**Mzuvele High School  
General Repairs and Renovations**

Bill No. 13

Electrical work (Provisional)

**COLLECTION**

Total Brought Forward from Page No.

**Page  
No**

**Amount**

368

369

370

371

**Carried Forward to Summary of Section No. 9**

Block H - Typical 3 Classroom Block  
Bill No. 13  
Electrical work (Provisional)

R



Item No	Quantity	Rate	Amount
<p><b><u>BILL NO. 15</u></b></p>			
<p><b><u>PAINTWORK (PROVISIONAL)</u></b></p>			
<p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p>			
<p><b><u>PREPARATORY WORK TO EXISTING WORK</u></b></p>			
<p><u>Previously painted plastered surfaces</u></p>			
<p>Surfaces shall be thoroughly washed down and allowed to dry completely before any paint is applied. Blistered or peeling paint shall be completely removed and cracks shall be opened, filled with a suitable filler and finished smooth</p>			
<p><u>Previously painted metal surfaces</u></p>			
<p>Surfaces shall be thoroughly rubbed and cleaned down. Blistered or peeling paint shall be completely removed down to bare metal</p>			
<p><u>Previously painted wood surfaces</u></p>			
<p>Surfaces shall be thoroughly cleaned down. Blistered or peeling paint shall be completely removed and cracks and crevices shall be primed, filled with suitable filler and finished smooth</p>			
<p><b><u>PAINT SPECIFICATIONS</u></b></p>			
<p>All painting shall be done in accordance with manufacturer's specifications unless otherwise described</p>			
<p><b><u>COLOURS</u></b></p>			
<p>Unless otherwise described paintwork on ceilings shall be deemed to be in the "White" colour group and paintwork on all other components shall be deemed to be in the "Pastel" colour group in accordance with the Natural Colour System (NCS) adopted by the SA National Standards</p>			
<p><b>Carried to Collection</b></p>			
<p>Block H - Typical 3 Classroom Block Bill No. 15 Paintwork (Provisional)</p>			
		R	

**PAINTWORK ETC TO NEW WORK**

**ON INTERNAL FLOATED PLASTER SURFACES**

One coat alkali resistant primer, one universal undercoat and two coats quality Pva paint

1	Walls	m2	223
---	-------	----	-----

**ON PLASTERBOARD SURFACES**

One coat primer, one universal undercoat and two coats exterior quality "Cemote" pva paint

2	Ceilings and cornices	m2	163
---	-----------------------	----	-----

**ON FIBRE-CEMENT BOARD SURFACES**

Two coats extremely durable UV-resistant, washable pure acrylic emulsion sheen paint

3	Fascias and barge boards, including priming metal jointing strips	m2	36
---	---	----	----

**ON WOOD SURFACES**

One coat primer, one coat alkyd based universal undercoat and two coats superior quality universal enamel paint

4	Laminated beam	m2	18
---	----------------	----	----

5	Doors	m2	21
---	-------	----	----

**PAINTWORK, ETC TO PREVIOUSLY PAINTED WORK**

**ON METAL SURFACES**

One coat alkyd based zinc phosphate primer and two coats premium quality polyurethane enamel paint, on steel

6	Windows	m2	65
---	---------	----	----

7	Barglar bars	m2	65
---	--------------	----	----

**Carried to Collection**

Block H - Typical 3 Classroom Block  
Bill No. 15  
Paintwork (Provisional)

R

**ON WOOD SURFACES**

Two coats oil wood primer

8	Backs of frames, linings, etc not exceeding 300mm wide	m	31	
---	--	---	----	--

**Carried to Collection**

Block H - Typical 3 Classroom Block  
 Bill No. 15  
 Paintwork (Provisional)

R

**Mzuvele High School  
General Repairs and Renovations**

Bill No. 15  
Paintwork (Provisional)

**COLLECTION**

Total Brought Forward from Page No.

**Page  
No**

**Amount**

374

375

376

**Carried Forward to Summary of Section No. 9**

Block H - Typical 3 Classroom Block  
Bill No. 15  
Paintwork (Provisional)

R

**SECTION SUMMARY - Block H - Typical 3 Classroom Block**

Bill No		Page No	Amount
1	Alterations (Provisional)	342	
2	Earthworks (Provisional)	345	
3	Concrete, Formwork and Reinforcement (Provisional)	348	
4	Masonry (Provisional)	349	
5	Roof Coverings (Provisional)	350	
6	Carpentry and Joinery (Provisional)	354	
7	Ceilings, Partitions and Access Flooring (Provisional)	355	
8	Floor Coverings, Wall Linings, etc. (Provisional)	356	
9	Ironmongery (Provisional)	359	
10	Metalwork (Provisional)	360	
11	Plastering (Provisional)	361	
12	Plumbing and Drainage (Provisional)	367	
13	Electrical work (Provisional)	372	
14	Glazing (Provisional)	373	
15	Paintwork (Provisional)	377	
	<b>Carried to Final Summary</b>		R
	Block H - Typical 3 Classroom Block		

Item No	Quantity	Rate	Amount
<p><b><u>BILL NO. 1</u></b></p>			
<p><b><u>ALTERATIONS (PROVISIONAL)</u></b></p>			
<p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p>			
<p><u>View site</u></p>			
<p>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</p>			
<p><u>Explosives</u></p>			
<p>No explosives whatsoever may be used for demolition purposes unless otherwise stated</p>			
<p><u>General</u></p>			
<p>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</p>			
<p>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</p>			
<p><b>Carried to Collection</b></p>			
<p>Block I - Ablution Block          Bill No. 1          Alterations (Provisional)</p>			
		R	

Doors, fanlights, fittings, frames, linings, etc which are to be re-used shall be thoroughly overhauled before refixing including taking off, easing and rehangng, 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 re-varnishing 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

Making good of finishes shall include making good of the brick and concrete surfaces onto which the new finishes are applied, where necessary

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)

Damage to existing finishes

The Contractor will be held responsible for all damage, however caused, to existing finishes and fittings etc. and he must make good all damage at his own expense to the approval of the Principal Agent.

Breaking down, demolition and alteration activities and tasks, hacking off of existing plaster, etc. is to be executed with care so as to prevent damage to remaining floor and wall surfaces and finishes (where these are to be retained). Tenders will be deemed to include allowance for any necessary protection of existing surfaces and structures as may be necessary to effect the above, as the cost of repairing damage to existing surfaces and structures will be solely for the Contractors account.

**Carried to Collection**

Block I - Ablution Block  
Bill No. 1  
Alterations (Provisional)

R

Removal of materials

Where removal is included in the heading, sub-heading or item description, prices shall be deemed to include for the necessary costs in removal and appropriate disposal of materials including but not limited to labour, transportation and disposal costs. No further claims in this regard will be entertained.

Removal of asbestos material

The removal of asbestos shall be carried out strictly by a certified entity, registered in accordance with the Occupational Health and Safety Act and the Asbestos Regulation.

Asbestos in all forms/building elements that is to be removed, shall be carried out in strict accordance with aforementioned regulation, and a certificate issued by the entity as contemplated in the above, shall be provided per block for the removal thereof, where the term block shall in this context refer to any single, free standing building structure, regardless of size or purpose.

Corresponding disposal certificates shall be issued by the facility at which the asbestos is disposed of, with said facility to, prior to the disposal of any asbestos material provide satisfactory proof that the facility is duly registered and fully compliant in terms of the act, to receive the asbestos material.

Under no circumstances is the contractor nor any of his duly authorised representatives to sell and/or give away asbestos material to any member/s of the school community, the community in general or the public at large. Should this be found to be occurring, the contractor will be held responsible contractually and may further be prosecuted criminally.

The cost for complying with the above, and all requirements of regulation as reflected above is to be priced for in the items for removal of asbestos material. No further claims in this regard will therefore be entertained.

**Carried to Collection**

Block I - Ablution Block  
 Bill No. 1  
 Alterations (Provisional)

R

**REMOVAL OF EXISTING WORK**

	<u>Breaking up and removing unreinforced concrete</u>		
1	Steps	m3	1
	<u>Breaking up and removing unreinforced concrete</u>		
2	100mm Thick surface beds	m2	29
	<u>Breaking down and removing brickwork etc</u>		
3	One brick walls	m2	9
	<u>Taking out and removing doors, windows, etc., including thresholds, sills, etc. (building up openings and making good finishes elsewhere)</u>		
4	Timber single door not exceeding 2,5m <sup>2</sup>	No	10
5	Servicing of existing steel windows with new timber louvres, hinges, latches etc	No	8
	<b><u>Note: Tenderers are referred to the foregoing supplementary preambles within this trade when pricing the following item (removal of asbestos)</u></b>		
	<u>Taking down and removal of Asbestos by Specialist</u>		
6	Asbestos roof sheets, including all timber purlins, fixings, etc.	m2	52
	<u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc</u>		
7	Double pitch timber roof structure with two gable ends, overall size 12.55 x 7.65 x 1.50m high including wall plates, bracing etc.	m2	52
8	Gypsum plasterboard ceilings, including timber bandering, cornices, etc	m2	35
9	Barge boards	m	18
10	Fascia boards	m	11
11	Eaves gutters	m	11

**Carried to Collection**

R

Block I - Ablution Block  
Bill No. 1  
Alterations (Provisional)

**Mzuvele High School**  
**General Repairs and Renovations**

12	Rainwater pipes	m	6			
	<u>Taking out and removing ironmongery</u>					
13	Toilet paper holder from wall	No	8			
	<u>Taking out/off and removing sundry metalwork</u>					
14	Steel single leaf security gate not exceeding 2,5m <sup>2</sup>	No	2			
	<u>Hacking up/off and removing tile floor and wall finishers including removing mortar bed or backing and preparing concrete or brick surfaces for new screed, plaster or tile finishers</u>					
15	Ceramic wall tiles	m <sup>2</sup>	2			
16	Ceramic floor tiles	m <sup>2</sup>	33			
	<u>Hacking up/off and removing granolithic, screeds, plaster, etc from concrete or brickwork and preparing surfaces for new screed, plaster, tile finishes, etc</u>					
17	30mm Screed from floors	m <sup>2</sup>	33			
18	Internal plaster from walls	m <sup>2</sup>	145			
	<u>Taking out and removing piping, including cutting off as necessary, holderbats and making good floor and wall finishes (making good tiling and paintwork elsewhere)</u>					
19	PVC piping not exceeding 50mm diameter	m	45			
20	PVC piping exceeding 100mm and not exceeding 200mm diameter	m	20			
	<u>Taking out and removing sanitary fittings, tanks, geysers, etc, including disconnecting from pipes, traps, etc and making good floor and wall finishes (making good tiling and paintwork elsewhere)</u>					
21	Vitreous china wash hand basin	No	6			
22	Vitreous china WC pan with cistern and flush pipe	No	8			
	<b>Carried to Collection</b>					
	Block I - Ablution Block Bill No. 1 Alterations (Provisional)				R	

	<u>Taking out/off and removing glass and mirrors</u>			
23	Glass from steel windows, including cleaning out rebates and preparing for new glass (new glass elsewhere)	m2	1	
	<b><u>MAKING GOOD OF FINISHES, ETC</u></b>			
	<u>Cleaning brickwork</u>			
24	Acid cleaning external face brickwork with high pressure cleaner and leave walls clean, in perfect condition	m2	77	
	<b><u>MAKING GOOD OF EXISTING WORKS</u></b>			
25	Repairs to existing surface beds, including filling in cracks, with an approved filler, stitching as required, etc	m2	2	
	<b>Carried to Collection</b>			
	Block I - Ablution Block			
	Bill No. 1			
	Alterations (Provisional)			
				R

**Mzuvele High School  
General Repairs and Renovations**

Bill No. 1

Alterations (Provisional)

**COLLECTION**

Total Brought Forward from Page No.

**Page  
No**

**Amount**

379

380

381

382

383

384

**Carried Forward to Summary of Section No. 10**

Block I - Ablution Block  
Bill No. 1  
Alterations (Provisional)

R



**WEED KILLERS, INSECTICIDES, ETC**

Soil insecticide in accordance with SANS 5859

7	Under floors etc, including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m2	38
---	--	----	----

**Carried to Collection**

R

Block I - Ablution Block  
 Bill No. 2  
 Earthworks (Provisional)

**Mzuvele High School  
General Repairs and Renovations**

Bill No. 2

Earthworks (Provisional)

**COLLECTION**

Total Brought Forward from Page No.

**Page  
No**

386

387

**Amount**

**Carried Forward to Summary of Section No. 10**

Block I - Ablution Block  
Bill No. 2  
Earthworks (Provisional)

R



**TEST CUBES**

2 Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)

No

1

**CONCRETE SUNDRIES**

Finishing top surfaces of concrete smooth with a steel trowel

3 Surface beds, slabs, etc

m2

38

**ROUGH FORMWORK (DEGREE OF ACCURACY III)**

Rough formwork to sides

4 Edges, risers, ends and reveals not exceeding 300mm high or wide

m

38

**REINFORCEMENT**

Fabric reinforcement

5 Type 193 fabric reinforcement in concrete surface beds etc

m2

38

**Carried to Collection**

R

Block I - Ablution Block  
Bill No. 3  
Concrete, Formwork and Reinforcement (Provisional)

Bill No. 3

Concrete, Formwork and Reinforcement (Provisional)

**COLLECTION**

Total Brought Forward from Page No.

**Page  
No**

389

390

**Amount**

**Carried Forward to Summary of Section No. 10**

Block I - Ablution Block

Bill No. 3

Concrete, Formwork and Reinforcement (Provisional)

R



Item No		Quantity	Rate	Amount
	<b><u>BILL NO. 5</u></b>			
	<b><u>ROOF COVERINGS (PROVISIONAL)</u></b>			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
	<b><u>Proprietary items or materials</u></b>			
	Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Head			
	<b><u>PROFILED METAL SHEETING AND ACCESSORIES</u></b>			
	<u>0.50mm - G550 AZ150, ColorPlus® Steel IBR with integral stiffening rib steel roof sheeting and accessories with ColorPlus® and ZincAL® finish on one side and protective primer coating on the reverse side fixed to timber purlins with equal spacing (timber purlins measured elsewhere)</u>			
1	Roof covering with pitches not exceeding 25 degrees	m2	52	
2	Ridge cappings 475mm girth	m	6	
	<b><u>ROOF AND WALL INSULATION</u></b>			
	<u>Multi-layered reinforced double-sided aluminium foil sheeting in accordance with SANS 1381-4 with a mass of not less than 293g/m<sup>2</sup> and a Class I fire rating in accordance with SANS 0177-3</u>			
3	Insulation sheeting laid taut over purlins (at approximately 1200mm centres) and fixed concurrent with roof covering with minimum 150mm stapled laps including galvanised steel straining wires at not exceeding 400mm centres and double-sided tape at edges where required	m2	52	
	<b>Carried Forward to Summary of Section No. 10</b>			R
	Block I - Ablution Block			
	Bill No. 5			
	Roof Coverings (Provisional)			

Item No	Quantity	Rate	Amount
<p><b><u>BILL NO. 6</u></b></p>			
<p><b><u>CARPENTRY AND JOINERY (PROVISIONAL)</u></b></p>			
<p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p>			
<p><u>Fixing</u></p>			
<p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete</p>			
<p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere</p>			
<p><u>Joinery</u></p>			
<p>Descriptions of hardwood joinery shall be deemed to include sinking and pelleting heads and nuts of bolts</p>			
<p><b><u>ROOFS ETC</u></b></p>			
<p><b><u>PLATE NAILED TIMBER ROOF TRUSS CONSTRUCTION ETC</u></b></p>			
<p><u>SUPPLEMENTARY PREAMBLES</u></p>			
<p>Trusses are at maximum 1200mm centres</p>			
<p>Roof covering is 0.50mm - G550 AZ150, ColorPlus® Steel IBR with integral stiffening rib steel roof sheeting and accessories with ColorPlus® and ZincAL® finish on one side and protective primer coating on the reverse side fixed to timber purlins with equal spacing.</p>			
<p>Ceilings are 6,4mm rhinoboard on 38 x 38mm brandering</p>			
<p><b>Carried to Collection</b></p>			
<p>Block I - Ablution Block Bill No. 6 Carpentry and Joinery (Provisional)</p>			
		R	

**Mzuvele High School  
General Repairs and Renovations**

Dimensions in descriptions of trusses are nominal and actual measurements are to be obtained from the architect/engineer and/or taken on site before design or fabrication commences

1	Supply and install prefabricated timber roof truss system complete and in accordance with the Standard Building Regulations. Truss spanning 10525 x 1700mm high overall with 700mm eaves projection on both sides	No	5
<u>Sawn softwood</u>			
2	38 x 114mm Wall plates	m	10
3	50 x 76mm Purlins	m	69
4	38 x 114mm Bracing	m	6
<u>Sundries</u>			
5	Wrought faces on sawn timbers	m2	4
6	Two coats creosote on sawn timbers	m2	4
<b><u>EAVES, VERGES, ETC</u></b>			
<u>Medium density plain fibre-cement fascias and barge boards</u>			
7	80 x 200mm Angle section barge boards including galvanised steel H-profile jointing strips and fix with hot dip galvanised screws and washers	m	18
8	12 x 225mm Medium density fascia boards including galvanised H-profile jointing strips tied with and including hot dipped galvanised screws and washers	m	11

**Carried to Collection**

R

Block I - Ablution Block  
Bill No. 6  
Carpentry and Joinery (Provisional)

**TIMBER DOORS, WINDOWS, ETC**

Wrought meranti doors hung to timber/steel frames

9 44mm Framed, ledged and braced batten door 813 x 2032mm high of 40 x110mm wide top rail and stiles, 20 x 150mm middle ledge and braces and 20 x 225mm bottom ledge, filled in with 22mm tongued and grooved V-jointed one side vertical boarding with tongued and grooved joints to top rail and stiles and with inner edges of framing and abutting edges of boarding chamfered to form V-joint

No

2

Semi-solid flush doors with commercial veneer suitable for painting

10 44mm Door 813 x 2032mm high

No

8

**Carried to Collection**

R

Block I - Ablution Block  
Bill No. 6  
Carpentry and Joinery (Provisional)

**Mzuvele High School  
General Repairs and Renovations**

Bill No. 6

Carpentry and Joinery (Provisional)

**COLLECTION**

Total Brought Forward from Page No.

**Page  
No**

**Amount**

394

395

396

**Carried Forward to Summary of Section No. 10**

Block I - Ablution Block  
Bill No. 6  
Carpentry and Joinery (Provisional)

R

Item No	Quantity	Rate	Amount
<b><u>BILL NO. 7</u></b>			
<b><u>CEILING, PARTITIONS AND ACCESS FLOORING (PROVISIONAL)</u></b>			
<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
<u>Fixing</u>			
Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete			
Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere			
<u>Ceilings</u>			
Unless otherwise described ceilings shall be deemed to be horizontal			
<b><u>Proprietary items or materials</u></b>			
Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Head			
<b><u>NAILED-UP CEILINGS</u></b>			
<u>6,4mm Fibre-cement plain ceiling boards with H-profile galvanised steel jointing strips</u>			
1	Ceilings including 38 x 38mm sawn softwood bandering at 400mm centres	m2	35
2	Extra over ceiling for 600 x 600mm trap door of 38 x 38mm wrought softwood rebated framing with one cross brander, covered with ceiling board and fitted flush in opening, including necessary trimmers around	No	1
<u>Nucornice foam plastic cornices</u>			
3	75mm Coved cornices	m	34
<b>Carried Forward to Summary of Section No. 10</b>			R
Block I - Ablution Block			
Bill No. 7			
Ceilings, Partitions and Access Flooring (Provisional)			

Item No	Quantity	Rate	Amount
<p><b><u>BILL NO. 8</u></b></p>			
<p><b><u>IRONMONGERY (PROVISIONAL)</u></b></p>			
<p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p>			
<p><u>Proprietary items</u></p>			
<p>Where applicable the manufacturers' names or product catalogue titles are given in sub-headings preceding the items</p>			
<p>Prices are to be based on the specific products/articles specified. If tenderers wish to offer alternative products/articles for certain items, these items are to be clearly marked and the alternative specification given with supporting brochures etc clarifying the features of the products/articles offered</p>			
<p>On request returnable samples are to be provided to the principal agent for consideration</p>			
<p><u>Finishes to ironmongery</u></p>			
<p>Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list:</p>			
<p>BS Satin bronze lacquered</p>			
<p>CH Chromium plated</p>			
<p>SC Satin chromium plated</p>			
<p>SE Silver enamelled</p>			
<p>GE Grey enamelled</p>			
<p>AN Anodised natural</p>			
<p>AS Anodised silver</p>			
<p>AB Anodised bronze</p>			
<p>AG Anodised gold</p>			
<p>ABL Anodised black</p>			
<p>PB Polished brass</p>			
<p>PL Polished and lacquered</p>			
<p>PT Epoxy coated</p>			
<p>SD Sanded</p>			
<p><b><u>Proprietary items or materials</u></b></p>			
<p>Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Head</p>			
<p><b>Carried to Collection</b></p>			
<p>Block I - Ablution Block Bill No. 8 Ironmongery (Provisional)</p>			
			R

**HINGES, BOLTS, ETC**

Manufactured by "Union" or other equal and approved

1	100mm Aluminium butt hinge	No	20
2	WC chrome plated indicator bolt	No	8

**LOCKS**

Manufactured by "Union" or other equal and approved

3	Solid art 390/313 Four Lever mortice lockset with and including Satin Chrome Plated handles	No	2
---	---	----	---

**LETTERS, NAMEPLATES, ETC**

Manufactured by "Union" or other equal and approved

4	150 x 150mm Anodised aluminium plate with male symbol	No	1
5	150 x 150mm Anodised aluminium plate with female symbol	No	1

**SUNDRIES**

Manufactured by "Union" or other equal and approved

6	38mm Diameter door stop plugged and screwed to floor with a 50mm long brass screw	No	10
---	---	----	----

**Carried to Collection**

R

Block I - Ablution Block  
Bill No. 8  
Ironmongery (Provisional)

**BATHROOM FITTINGS**

Manufactured by "Union" or other equal and approved

7	Toilet roll holder, plugged	No	6	
---	-----------------------------	----	---	--

**Carried to Collection**

Block I - Ablution Block  
 Bill No. 8  
 Ironmongery (Provisional)

R

**Mzuvele High School  
General Repairs and Renovations**

Bill No. 8

Ironmongery (Provisional)

**COLLECTION**

Total Brought Forward from Page No.

**Page  
No**

**Amount**

399

400

401

**Carried Forward to Summary of Section No. 10**

Block I - Ablution Block  
Bill No. 8  
Ironmongery (Provisional)

R

Item No		Quantity	Rate	Amount
	<p><b><u>BILL NO. 9</u></b></p> <p><b><u>METALWORK (PROVISIONAL)</u></b></p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><u>Descriptions of bolts, anchors, etc</u></p> <p>Descriptions of bolts shall be deemed to include nuts and washers</p> <p>Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete</p> <p>Items described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described</p> <p><b><u>Proprietary items or materials</u></b></p> <p>Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Head</p> <p><b><u>GALVANISED STEEL GATES, SCREENS, ETC</u></b></p> <p><u>Welded screens and gates</u></p>			
1	<p>Single hot dipped galvanised mild steel gate, 980mm x 2032mm formed of 40 x 60 x 3mm hollow sectioned frames and midrail, filled in with 12mm solid square vertical bars at 110mm centres including all ironmongery to fix on wall and padlock set, etc.</p>	No	4	
	<p><b>Carried Forward to Summary of Section No. 10</b></p> <p>Block I - Ablution Block Bill No. 9 Metalwork (Provisional)</p>			R



Item No		Quantity	Rate	Amount
	<b><u>BILL NO. 11</u></b>			
	<b><u>TILING (PROVISIONAL)</u></b>			
	<b><u>WALL TILING</u></b>			
	<u>White glazed ceramic tiles (PC sum R140.00/m<sup>2</sup> for supply and delivery, excluding labour, waste and VAT) on brickwork including cement plaster backing</u>			
1	On walls	m2	2	
	<b><u>FLOOR TILING</u></b>			
	<u>Ceramic floor tiles (PC sum R140.00/m<sup>2</sup> for supply and delivery, excluding labour, waste and VAT) fixed with adhesive to bedding and flush pointed with tinted jointing compound</u>			
2	On floors and landings	m2	33	
3	70mm High cut tile skirting	m	34	
	<b>Carried Forward to Summary of Section No. 10</b>			
	Block I - Ablution Block			
	Bill No. 11			
	Tiling (Provisional)			
			R	

Item No	Quantity	Rate	Amount
<p><b><u>BILL NO. 12</u></b></p>			
<p><b><u>PLUMBING AND DRAINAGE (PROVISIONAL)</u></b></p>			
<p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p>			
<p><u>Wire gratings</u></p>			
<p>Descriptions of gutter outlets etc shall be deemed to include wire balloon gratings</p>			
<p><u>Stormwater channels</u></p>			
<p>Descriptions of channels shall be deemed to include necessary excavation, surface preparation, compaction, etc, and disposal of surplus material on site</p>			
<p><u>PVC-U pipes and fittings</u></p>			
<p>Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings</p>			
<p>Soil, waste and vent pipes and fittings shall be solvent weld jointed or sealed with butyl rubber rings</p>			
<p><u>Polypropylene pipes</u></p>			
<p>Polypropylene pipes 54mm diameter and smaller shall be seamless copper coloured Class 16 pipes jointed with heat welded thermoplastic or where so described compression fittings</p>			
<p>Pipes shall be firmly fixed to walls, etc with coloured nylon snap-in pipe clips with provision for accommodating thermal movement and jointed and fixed strictly in accordance with the manufacturer's instructions</p>			
<p><u>Fixing of pipes</u></p>			
<p>Unless specifically otherwise stated, descriptions of pipes shall be deemed to include fixing to walls, etc, casting in, building in or suspending not exceeding 1m below suspension level</p>			
<p><b>Carried to Collection</b></p>			
<p>Block I - Ablution Block Bill No. 12 Plumbing and Drainage (Provisional)</p>			
			R

Laying, backfilling, bedding, etc of pipes

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

Where no manufacturers' instructions exist, pipes shall be laid in accordance with the relevant section of SANS 2001

General

Descriptions of cast iron roof outlets shall be deemed to include joints to pipes and casting into concrete (adaptors for joints to PVC pipes, etc are given separately)

Descriptions of overflow pipes where measured in number, shall be deemed to include joints to cisterns and splay cut ends

Descriptions of pipes laid in and including trenches and of inspection chambers, catchpits, etc shall be deemed to include excavation, bedding, backfilling, compaction to a minimum of 93% Mod AASHTO density and disposal of surplus material on site

Descriptions of service pipes and flexible connecting pipes shall be deemed to include connections to taps, cisterns, etc and to steel pipes (adaptors for connections to copper pipes, etc are given separately)

Descriptions of WC pans, slop hoppers, etc shall be deemed to include for joints to soil pipes (pan connectors are separately measured)

As-built drawings

Where required, the contractor shall prepare an updated set of as-built drawings. At completion of the contract the contractor shall hand these drawings to the principal agent for reproducing onto the originals for handing over to the employer (provision for allowance of as-built drawings elsewhere)

**Carried to Collection**

Block I - Ablution Block  
 Bill No. 12  
 Plumbing and Drainage (Provisional)

R

French drains

Descriptions of french drains shall be deemed to include excavation, stone filling graded from 300mm diameter at bottom to 75mm diameter at top, geofabric filter blanket over stone, 300mm earthfilling over and disposal of surplus material on site

uPVC pipes and fittings

Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings

Soil, waste and vent pipes and fittings shall be solvent weld jointed or sealed with butyl rubber rings

**RAINWATER DISPOSAL**

Seamless aluminium prepainted gutters and rainwater pipes

1	150mm Half-round roof gutters with beaded front edge	m	11
2	100mm Diameter rainwater pipes	m	6
3	Extra over gutter for stopped end	No	4
4	Extra over gutter for outlet for 100mm pipe	No	2
5	Extra over rainwater pipe for bend	No	4
6	Extra over rainwater pipe for shoe	No	2

**Carried to Collection**

Block I - Ablution Block  
Bill No. 12  
Plumbing and Drainage (Provisional)

R

**STORMWATER CHANNELS**

Earthworks

7	Excavate average 125mm deep in earth to form "V" drain profile	m3	5	
---	--	----	---	--

Concrete, Formwork and Reinforcing

25MPa/19mm Reinforced concrete to bottom and sides of "V" drain

8	"V" drains	m3	5	
---	------------	----	---	--

9	Finishing top surface of "V" drains smooth with a steel trowel to falls	m2	38	
---	---	----	----	--

10	Rough formwork (Degree of accuracy III) to edges, risers, ends and reveals not exceeding 300mm high or wide	m	42	
----	---	---	----	--

11	Type 193 fabric reinforcement in concrete surface beds etc	m2	38	
----	--	----	----	--

12	10 x 150mm Pre-compressed bitumen impregnated foam plastic joint sealing strips between brickwork and concrete	m	34	
----	--	---	----	--

**SOIL DRAINAGE**

Normal duty (Class 51) PVC-U sewer and drain pipes

13	110mm Pipes vertically or ramped to cleaning eyes etc (no excavation)	m	1	
----	---	---	---	--

14	110mm Pipes laid in and including trenches not exceeding 1m deep	m	29	
----	--	---	----	--

Extra over normal duty (Class 51) PVC-U sewer and drain pipes for fittings

15	110mm Bend	No	8	
----	------------	----	---	--

16	110mm Tee	No	1	
----	-----------	----	---	--

17	110mm Access bend	No	7	
----	-------------------	----	---	--

18	110mm Access tee	No	1	
----	------------------	----	---	--

**Carried to Collection**

R

Block I - Ablution Block  
Bill No. 12  
Plumbing and Drainage (Provisional)

**Mzuvele High School  
General Repairs and Renovations**

19	110mm Rodding eye	No	2
20	110mm Straight reducer	No	8
21	22mm Socket	No	6
22	28mm Socket	No	2
23	110mm Pan connector	No	8
24	110mm PVC tovent iron connector	No	2
25	110mm Vent iron cowl	No	2

**SANITARY FITTINGS**

"Vaal" or other equal and approved

26	School type lavatory wash hand basin fixed to wall	No	6
27	Low level wc suite comprising pan with double flap heavy duty plastic seat and matching 9 litre cistern with flush pipe	No	8

**WASTE UNIONS ETC**

"Cobra Watertech" or other equal and approved

28	32mm 301 CP basin waste union	No	6
----	-------------------------------	----	---

**TRAPS ETC**

UPVC

29	110mm Two way vent valve	No	4
----	--------------------------	----	---

Rubber

30	50mm "P" or "S" trap	No	8
----	----------------------	----	---

**TAPS, VALVES, ETC**

31	PA3.522 "Masterflo" pressure control valve with vacuum breaker	No	2
----	--	----	---

32	HDPE/UPVC to transition fitting. Underground copper portion to be denzo wrapped (1m underground)	No	15
----	--	----	----

**Carried to Collection**

Block I - Ablution Block  
Bill No. 12  
Plumbing and Drainage (Provisional)

R

**Mzuvele High School  
General Repairs and Renovations**

33	22mm CP fullway isolating Valve with handle nickel plated	No	2
34	28mm CP fullway isolating Valve with handle nickel plated	No	2
35	15mm 111-15CP pillar tap	No	2
<b><u>SANITARY PLUMBING</u></b>			
<u>uPVC soil and vent pipes</u>			
36	50mm Pipes	m	13
37	100mm Pipes	m	44
<u>Extra over uPVC soil and vent pipes for fittings</u>			
38	50mm Bend	No	15
39	100mm Bend	No	3
40	50mm Access bend	No	4
41	100mm Inspection eye	No	3
42	50mm Tee	No	2
43	50mm Access bend	No	18
44	100mm to 50mm reducer	No	3
45	50mm Tee junction	No	18
46	100mm Tee with junction	No	18
47	50mm Vent cowl	No	15

**Carried to Collection**

Block I - Ablution Block  
Bill No. 12  
Plumbing and Drainage (Provisional)

R

**WATER SUPPLIES**

Class 1 copper pipes with capillary couplings

48	22mm Pipes	m	33
49	28mm Pipes	m	58
50	32mm Pipes	m	13

Extra over Class 1 copper pipes for capillary fittings

51	22mm Fittings	No	93
52	28mm Fittings	No	21
53	32mm Fittings	No	6

Testing

54	Testing water pipe system		Item
----	---------------------------	--	------

**Carried to Collection**

Block I - Ablution Block  
Bill No. 12  
Plumbing and Drainage (Provisional)

R

**Mzuvele High School  
General Repairs and Renovations**

Bill No. 12

Plumbing and Drainage (Provisional)

**COLLECTION**

Total Brought Forward from Page No.

**Page  
No**

**Amount**

406

407

408

409

410

411

412

**Carried Forward to Summary of Section No. 10**

Block I - Ablution Block

Bill No. 12

Plumbing and Drainage (Provisional)

R

Item No		Quantity	Rate	Amount
	<b><u>BILL NO. 13</u></b>			
	<b><u>ELECTRICAL WORK (PROVISIONAL)</u></b>			
	<b><u>BLOCK I</u></b>			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
	<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			
	<b><u>LOW TENSION DISTRIBUTION</u></b>			
	<b><u>DISTRIBUTION BOARD DB</u></b>			
1	Flush mounted distribution board in one section (uninterruptable power) with door, space for the following equipment and space for 6 additional circuit breakers, colour coded and installed in recess (elsewhere) in brick wall	No	1	
2	60A Triple pole isolator	No	1	
3	10A Single pole MCCB (5kA)	No	5	
	<b><u>CABLES</u></b>			
4	1.5mm <sup>2</sup> 3-Core	m	530	
	<b>Carried to Collection</b>			R
	Block I - Ablution Block			
	Bill No. 13			
	Electrical work (Provisional)			



**Mzuvele High School  
General Repairs and Renovations**

16	Deep type (concrete type) round outlet box for 20mm conduit	No	71
17	Standard draw box for 20mm conduit	No	71
18	50 x 100 x 50mm Outlet box	No	71
19	100 x 100 x 50mm Outlet box	No	71
20	100 x 100 x 50mm Outlet box with blank cover plate	No	71

**CONDUCTORS**

Bare copper conductors drawn into conduit, trunking or power skirting

PVC insulated stranded copper conductors drawn into conduit, trunking or power skirting

Heat resistant silicon insulated stranded copper conductors drawn into conduit, trunking or power skirting

21	1.5mm <sup>2</sup>	m	290
----	--------------------	---	-----

**DRAW-WIRES**

22	Galvanised steel draw-wires drawn into conduit	m	290
----	--	---	-----

**LIGHT SWITCHES, SOCKET OUTLETS, ETC**

23	Flush mounted bell push button	No	1
24	16A Flush mounted two lever one-way switch unit	No	17
25	16A Three pin flush mounted socket outlet with switch, single type	No	18

**LUMINAIRES**

26	Lascon V1-100BC/C/Plas economy injection moulded polycarbonate luminaire with 100W GLS lamp	No	53
----	---	----	----

**SUNDRIES**

27	Earthing of buildings		Item
28	Provision of as built drawings		Item

**Carried to Collection**

Block I - Ablution Block  
Bill No. 13  
Electrical work (Provisional)

R

29 Testing and commissioning the complete electrical installation

Item

**Carried to Collection**

Block I - Ablution Block  
Bill No. 13  
Electrical work (Provisional)

R

**Mzuvele High School  
General Repairs and Renovations**

Bill No. 13  
Electrical work (Provisional)

**COLLECTION**

Total Brought Forward from Page No.

**Page  
No**

**Amount**

414  
415  
416  
417


**Carried Forward to Summary of Section No. 10**

Block I - Ablution Block  
Bill No. 13  
Electrical work (Provisional)

R


Item No		Quantity	Rate	Amount
	<b><u>BILL NO. 14</u></b>			
	<b><u>GLAZING (PROVISIONAL)</u></b>			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
	<u>Float glass</u>			
	The term "float glass" is used for monolithic annealed glass			
	<b><u>GLAZING TO STEEL WITH PUTTY</u></b>			
	<u>4mm Clear float glass</u>			
1	Panes exceeding 0,1m <sup>2</sup> and not exceeding 0,5m <sup>2</sup>	m2	6	
	<b><u>TOPS, SHELVES, DOORS, MIRRORS, ETC</u></b>			
	<u>4mm Silvered float glass copper backed mirrors with polished edges, holed for and fixed with chromium plated dome capped mirror screws with rubber buffers to plugs in brickwork or concrete</u>			
2	Mirror 450 x 600mm high with four screws	No	24	
	<b>Carried Forward to Summary of Section No. 10</b>			
	Block I - Ablution Block			
	Bill No. 14			
	Glazing (Provisional)			
				R

Item No	Quantity	Rate	Amount
<p><b><u>BILL NO. 15</u></b></p>			
<p><b><u>PAINTWORK (PROVISIONAL)</u></b></p>			
<p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p>			
<p><b><u>PREPARATORY WORK TO EXISTING WORK</u></b></p>			
<p><u>Previously painted plastered surfaces</u></p>			
<p>Surfaces shall be thoroughly washed down and allowed to dry completely before any paint is applied. Blistered or peeling paint shall be completely removed and cracks shall be opened, filled with a suitable filler and finished smooth</p>			
<p><u>Previously painted metal surfaces</u></p>			
<p>Surfaces shall be thoroughly rubbed and cleaned down. Blistered or peeling paint shall be completely removed down to bare metal</p>			
<p><u>Previously painted wood surfaces</u></p>			
<p>Surfaces shall be thoroughly cleaned down. Blistered or peeling paint shall be completely removed and cracks and crevices shall be primed, filled with suitable filler and finished smooth</p>			
<p><b><u>PAINT SPECIFICATIONS</u></b></p>			
<p>All painting shall be done in accordance with manufacturer's specifications unless otherwise described</p>			
<p><b><u>COLOURS</u></b></p>			
<p>Unless otherwise described paintwork on ceilings shall be deemed to be in the "White" colour group and paintwork on all other components shall be deemed to be in the "Pastel" colour group in accordance with the Natural Colour System (NCS) adopted by the SA National Standards</p>			
<p><b>Carried to Collection</b></p>			
<p>Block I - Ablution Block Bill No. 15 Paintwork (Provisional)</p>			
		R	

**PAINTWORK ETC TO NEW WORK**

**ON INTERNAL FLOATED PLASTER SURFACES**

One coat alkali resistant primer, one universal undercoat and two coats quality Pva paint

1	Walls	m2	836		
---	-------	----	-----	--	--

**ON PLASTERBOARD SURFACES**

One coat primer, one universal undercoat and two coats exterior quality "Cemote" pva paint

2	Ceilings and cornices	m2	192		
---	-----------------------	----	-----	--	--

**ON FIBRE-CEMENT BOARD SURFACES**

Two coats extremely durable UV-resistant, washable pure acrylic emulsion sheen paint

3	Fascias and barge boards, including priming metal jointing strips	m2	46		
---	---	----	----	--	--

**ON WOOD SURFACES**

One coat primer, one coat alkyd based universal undercoat and two coats superior quality universal enamel paint

4	Doors	m2	139		
---	-------	----	-----	--	--

**PAINTWORK, ETC TO PREVIOUSLY PAINTED WORK**

**ON BAGGED BRICKWORK OR CONCRETE SURFACES**

One coat alkali resistant primer and two coats PVA emulsion paint for interior use

5	Ceilings and beams	m2	192		
---	--------------------	----	-----	--	--

**Carried to Collection**

Block I - Ablution Block  
Bill No. 15  
Paintwork (Provisional)

R

**ON METAL SURFACES**

One coat alkyd based zinc phosphate primer and two coats premium quality polyurethane enamel paint, on steel

6	Windows	m2	14	
7	Handrails	m2	31	

**Carried to Collection**

Block I - Ablution Block  
Bill No. 15  
Paintwork (Provisional)

R

**Mzuvele High School  
General Repairs and Renovations**

Bill No. 15  
Paintwork (Provisional)

**COLLECTION**

Total Brought Forward from Page No.

**Page  
No**

**Amount**

420

421

422

**Carried Forward to Summary of Section No. 10**

Block I - Ablution Block  
Bill No. 15  
Paintwork (Provisional)

R

**SECTION SUMMARY - Block I - Ablution Block**

Bill No		Page No		Amount
1	Alterations (Provisional)	385		
2	Earthworks (Provisional)	388		
3	Concrete, Formwork and Reinforcement (Provisional)	391		
4	Masonry (Provisional)	392		
5	Roof Coverings (Provisional)	393		
6	Carpentry and Joinery (Provisional)	397		
7	Ceilings, Partitions and Access Flooring (Provisional)	398		
8	Ironmongery (Provisional)	402		
9	Metalwork (Provisional)	403		
10	Plastering (Provisional)	404		
11	Tiling (Provisional)	405		
12	Plumbing and Drainage (Provisional)	413		
13	Electrical work (Provisional)	418		
14	Glazing (Provisional)	419		
15	Paintwork (Provisional)	423		
<b>Carried to Final Summary</b>				
Block I - Ablution Block			R	

Item No		Quantity	Rate	Amount
	<b><u>BILL NO. 1</u></b>			
	<b><u>EXTERNAL WORK</u></b>			
	<b><u>TEMPORARY PARKHOMES</u></b>			
	<u>"M-Projects" or other equal approved temporary parkhome unit</u>			
	Rates for the following Parkhomes to include standard windows, burglar bars, curtains and tracks, two tier steps for access, light fittings and green chalk boards:			
1	Provide standard classroom size 7000 x 7000mm temporary parkhomes or nearest size on site for rental and maintenance for educational facilities during construction phase including levelling, positioning on site and connection to an electrical supply including issuing of compliance certificates for a period of 20 months and removal after contract period expires	No	10	
2	Transport to and from site of parkhomes as per distance between supplier and site	No	10	
	Rates for the following Parkhomes to include standard windows, burglar bars, curtains and tracks, two tier steps for access, light fittings, sanitary fittings, water supply and soil drainages piping including connections:			
3	Provide standard toilets temporary parkhomes on site for rental and maintenance during construction phase to serve as a "Boys toilets" including levelling, positioning on site and connection to an electrical supply, drainage system, water supply including issuing of compliance certificates for a period of 4 months and removal from site after contract period expires	No	1	
4	Transport to and from site of parkhomes as per distance between supplier and site	No	1	
5	Provide standard toilets temporary parkhomes on site for rental and maintenance during construction phase to serve as a "Girls toilets" including levelling, positioning on site and connection to an electrical supply, drainage system, water supply including issuing of compliance certificates for a period of 4 months and removal from site after contract period expires	No	1	
	<b>Carried to Collection</b>			R
	External Work			
	Bill No. 1			
	External Work			

6	Transport to and from site of parkhomes as per distance between supplier and site	No	1
7	Provide standard toilets temporary parkhomes on site for rental and maintenance during construction phase to serve as a "Teachers toilets" including levelling, positioning on site and connection to an electrical supply, drainage system, water supply including issuing of compliance certificates for a period of 4 months and removal from site after contract period expires	No	1
8	Transport to and from site of parkhomes as per distance between supplier and site	No	1

**REMOVAL OF EXISTING WORK**

**SUPPLEMENTARY PREAMBLES**

View site

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

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

**Carried to Collection**

External Work  
Bill No. 1  
External Work

R

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

Removal of materials

Where removal is included in the heading, sub-heading or item description, prices shall be deemed to include for the necessary costs in removal and appropriate disposal of materials including but not limited to labour, transportation and disposal costs. No further claims in this regard will be entertained.

**REMOVAL OF EXISTING WORK**

Taking out and remove electrical redundant conduits, wiring, etc

9	<u>Conduits, wiring, etc. from all existing blocks and dispose</u>		Item
---	--	--	------

Taking down and removing existing fence

10	Pre-cast concrete palisade fence including pedestrians and vehicles steel gates	m	400
----	---	---	-----

Breaking up and removing unreinforced concrete

11	100mm Thick walkway surface beds	m2	80
----	----------------------------------	----	----

Breaking up and removing tar etc

12	Bituminous premix road surface and layer works 150mm thick	m2	1,000
----	--	----	-------

**LANDSCAPING**

**Note: Landscaping to be completed at least three months before final completion of the project for maintenance allowance**

Excavate in earth and dispose on site

13	Not exceeding 150mm deep to remove humps, form shallow ditches, etc	m2	2,200
----	---	----	-------

**Carried to Collection**

R

External Work  
Bill No. 1  
External Work

<u>Ground preparation</u>					
14	Cultivation and preparation of areas to be planted	m2	2,200		
<u>Selected topsoil obtained from prescribed stock piles on site, including spreading and levelling</u>					
15	In plant beds, grassed areas and holes for trees, shrubs, etc	m3	110		
<u>Grassing, ground covers, etc</u>					
16	"Kikuyu" rolls or other similar approved 50mm thick	m2	2,200		
<u>Maintenance</u>					
17	Allow for maintaining landscaping for a period of 2 months, including watering, weeding, cutting, replacing dead plants, etc			Item	
<b><u>ROADWORK, PARKING AREAS AND PAVING</u></b>					
<b><u>SUPPLEMENTARY PREAMBLES</u></b>					
<u>Testing of material and filling</u>					
Descriptions of earth filling, compaction, etc shall be deemed to include for all necessary testing required in accordance with the SABS 1200 series					
<u>Excavation in earth not exceeding 2m deep</u>					
18	Reduced levels under floors	m3	430		
<u>Extra over bulk excavation in earth for excavation in</u>					
19	Soft rock	m3	43		
20	Hard rock	m3	22		
<u>Extra over all excavations for carting away</u>					
21	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	430		
<b>Carried to Collection</b>					R
External Work					
Bill No. 1					
External Work					

**Mzuvele High School  
General Repairs and Renovations**

	<u>Earth filling supplied by the contractor under parking areas, roadways, etc</u>				
22	Filling of G4 material in accordance with SABS 1200 DM, compacted to 98% Mod AASHTO density	m3	130		
23	Filling of G6 material in accordance with SABS 1200 DM, compacted to 98% Mod AASHTO density	m3	130		
24	Filling of G9 material in accordance with SABS 1200 DM, compacted to 98% Mod AASHTO density	m3	150		
25	Filling of G10 material in accordance with SABS 1200 DM, compacted to 98% Mod AASHTO density	m3	150		
	<u>Compaction of surfaces</u>				
26	Compaction of ground surfaces under pavings 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	1,000		
27	Apply "Weedmaster Turfmaster" weedkiller (at a rate of 40-45ml to 5 litres of water per 50m <sup>2</sup> ) to surface of ground	m2	1,000		
	<u>Prescribed density tests on filling</u>				
28	In-situ dry density test in accordance with method A10(b) of TMH1	No	5		
29	Maximum dry density and optimum moisture content test in accordance with method A7 of TMH1	No	5		
30	CBR test in accordance with method A8 of TMH1	No	5		
	<u>Bituminous premix road surfacing</u>				
31	Prime coat	m2	1,000		
32	30mm Thick asphalt surface paving to parking areas, roadways, etc	m2	1,000		
	<b>Carried to Collection</b>				
	External Work				
	Bill No. 1				
	External Work				
				R	

	<u>Precast concrete finished smooth on exposed surfaces, including bedding, jointing and pointing</u>				
33	150 x 300mm High kerbs (SANS 927 fig 12) with 150 x 150 x 300mm unreinforced concrete haunching at back of each joint, including excavation, backfilling, etc	m	244		
	<b><u>WALKWAY</u></b>				
	<u>25MPa/19mm Reinforced concrete to bottom and sides of "V" drain</u>				
34	Paving to walkways	m3	12		
35	Finishing top surface of walkways smooth with a steel trowel to falls	m2	80		
36	Rough formwork (Degree of accuracy III) to edges, risers, ends and reveals not exceeding 300mm high or wide	m	163		
37	Type 193 fabric reinforcement in concrete surface beds etc	m2	80		
	<u>Precast concrete finished smooth on exposed surfaces, including bedding, jointing and pointing</u>				
38	150 x 300mm High kerbs (SANS 927 fig 12) with 150 x 150 x 300mm unreinforced concrete haunching at back of each joint, including excavation, backfilling, etc	m	160		
	<b><u>STORMWATER CHANNELS</u></b>				
	<u>Earthworks</u>				
39	Excavate average 150mm deep in earth to form "V" drain profile	m3	2		
	<u>Concrete, Formwork and Reinforcing</u>				
	<u>25MPa/19mm Reinforced concrete to bottom and sides of "V" drain</u>				
40	"V" drains	m3	2		
41	Finishing top surface of "V" drains smooth with a steel trowel to falls	m2	15		
	<b>Carried to Collection</b>				
	External Work				
	Bill No. 1				
	External Work				
					R

42	Rough formwork (Degree of accuracy III) to edges, risers, ends and reveals not exceeding 300mm high or wide	m	32		
43	Type 193 fabric reinforcement in concrete surface beds etc	m2	15		
<b><u>WATER TANK &amp; BASE SUPPORT</u></b>					
<b><u>Excavations, etc</u></b>					
<u>Excavation in earth not exceeding 2m deep</u>					
44	Trenches	m3	21		
<u>Extra over trench and hole excavations in earth for excavation in</u>					
45	Soft rock	m3	2		
46	Hard rock	m3	1		
<u>Extra over all excavations for carting away</u>					
47	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	21		
<u>Risk of collapse of excavations</u>					
48	Sides of trench and hole excavations not exceeding 1,5m deep	m2	78		
<u>Keeping excavations free of water</u>					
49	Keeping excavations free of all water other than subterranean water		Item		
<u>Earth filling obtained from the excavations and/or prescribed stock piles on site, compacted to 90% Mod AASHTO density</u>					
50	Backfilling to trenches, holes, etc	m3	21		
51	Backfilling to under floors, steps, pavings, etc.	m3	20		
<b>Carried to Collection</b>				R	
External Work					
Bill No. 1					
External Work					

<u>Compaction of surfaces</u>					
52	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 95% Mod AASHTO density	m2	40		
<u>Soil insecticide in accordance with SANS 5859</u>					
53	Under floors etc, including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m2	40		
<b><u>Concrete, Formwork and Reinforcement</u></b>					
<u>25MPa/19mm unreinforced concrete</u>					
54	Foundation beams	m3	12		
<u>25MPa/19mm reinforced concrete</u>					
55	Surface beds	m3	20		
56	Bottom and sides of V-drains	m3	40		
57	Galvanised mild still Y10 "bar" 250mm high cast into concrete	No	40		
<u>Test cubes</u>					
58	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	3		
<u>Finishing top surfaces of concrete smooth with a steel trowel</u>					
59	Surface beds, slabs, etc	m2	68		
<u>Rough formwork ( Degree of AccuracyII)</u>					
60	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	184		
<u>Reinforcement</u>					
61	Type 193 fabric reinforcement in concrete surface beds etc	m2	160		
<b>Carried to Collection</b>					
External Work					
Bill No. 1					
External Work					
				R	

**Mzuvele High School  
General Repairs and Renovations**

62	Type 395 fabric reinforcement in concrete surface beds etc	m2	68		
<b><u>Masonry</u></b>					
63	One brick wall of NFX bricks in class II mortar	m2	40		
64	Extra over brickwork for face brick "Horizon satin facebrick pointed with recessed and vertical joints"	m2	40		
65	Cement mortar surrounding 225mm x average 150mm high around water tank	m	58		
<b><u>Plumbing and Drainage (Provisional)</u></b>					
<u>Jo-Jo SG1 polyethylene drinking water tank with black lining internally</u>					
66	2500Litre circular tank 1,42m diameter x 1,86m high approximately 0,85m above ground level	No	10		
67	Set tank on top of tank stand, tie down tank with 6mm galvanised straining wire tied to mild steel "U" bar previously cast into concrete, strapped over tank and tied down on the opposite ends	No	10		
68	Outlet union for 15mm copper pipe including hole through tank	No	10		
<u>Load Test</u>					
69	Fill tank with drinkable water to 50% of its capacity for a period of 10 days and then inspect for cracks, depression, etc	No	10		
<b>Carried to Collection</b>					
External Work Bill No. 1 External Work				R	

**FENCING**

Galvanised security fence including site clearance and preparation of ground

70	Security fence of 50 x 50 x 2.5mm Galvanised weldmesh 1800mm high including 4 strands of galvanised, twisted double strand 1.6mm thick wire with 3 barbs incorporated in twist every 150mm fixed to post with 2.5mm galvanised binding wire, mechanically strain between straining posts and/or gate and corner posts.	m	400
71	Continuous 700mm galvanised flat wrap razor wire fixed to top of 1800mm high galvanised weldmesh fence to 2 of 4 strings of barbed wire with wire ties on inside	m	400
72	Extra over for 50mm dia. x 2.8mm galvanised stay pole bolted to straining posts with 200 x 200 x 6mm base plate cast in and including 450 x 760 x 600mm concrete base	No	160
73	Extra over for 50mm dia. x 3mm galvanised intermediate post of 1800mm high with 300 x 300 x 6mm base plate cast in and including 300 x 300 x 900mm concrete base. Including providing holes for eyebolts and bolts for fixing of anchor post.	No	79
74	Extra over for 100mm Dia. x 3mm galvanised gate post with 300 x 300 x 6mm base plate cast in and including 450 x 450 x 900mm concrete base. Including providing holes for eyebolts and bolts for fixing of anchor post.	No	4
75	Extra over for 100mm dia. x 3mm galvanised straining post with 300 x 300 x 6mm base plate cast in and including 450 x 450 x 900mm concrete base. Including providing holes for eyebolts and bolts for fixing of anchor post.	No	80

**Carried to Collection**

External Work  
Bill No. 1  
External Work

R

76	Standard 1.35 x 1.8m high gate manufactured from 50 x 2.8mm tubular frames with bracing as shown on drawing 1120.19-INT-GA-2001 B, complete with 2 hinges and bolts to each, barrel bolt to take padlock, as well as a vertical extension 600mm long and 4 tying holes for barbed wire and 100mm dia. straining posts to be provided at both sides of gate with 300 x 300 x 6mm base plate cast into 450 x 450 x 900mm concrete base (straining posts elsewhere) including 50 x 50 x 2.5mm galvanised "weldmesh" 1.8m high fixed to gate. stay poles 50mm dia. x 2.8mm bolted to straining posts with 200 x 200 x 6mm base late cast in 450 x 760 x 600mm concrete base. Base to extend 50mm above ground level, and gate to include steel security spike screwed to top of gate as per manufacturer's instructions.	No	1
77	Ditto, but standard 4,05 x 1,8m high double gate consisting of 50mm dia. x 2,8mm tubular frames with bracing as shown on drawing 1120.19-INT-GA-2001 B, complete with 4 hinges, bolts and 2 barrel bolts. Including providing 100 x 100 x 200mm deep concrete blocks complete with hollow steel sleeve cast in centre for barrel bolts. Top of concrete to be 5mm above ground level and top of sleeve to be flush with concrete. Provide 1 block under first closing gate in closed position, and provide 1 block under both gates in open position.	No	1
<b><u>RENO MATRESS CONSTRUCTION</u></b>			
78	Construction/Installation of Reno mattress including excavation, back filing etc	m2	3
<b><u>MAKING GOOD OF EXISTING WORKS</u></b>			
79	Jetting and flushing of all pipes and storm water drain system including manholes		Item

**Carried to Collection**

R

External Work  
Bill No. 1  
External Work

**Mzuvele High School  
General Repairs and Renovations**

Bill No. 1

External Work

**COLLECTION**

Total Brought Forward from Page No.

**Page  
No**

**Amount**

425

426

427

428

429

430

431

432

433

434

435

**Carried to Final Summary**

R

External Work  
Bill No. 1  
External Work

**Mzuvele High School  
General Repairs and Renovations**

Item No		Quantity	Rate	Amount
	<b><u>BILL NO. 1</u></b>			
	<b><u>PROVISIONAL SUMS</u></b>			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
	<u>General</u>			
	Work for which budgetary allowances are provided will be measured and valued in accordance with clause 32 of the Principal Building Agreement and deducted in whole or in part if not required without any compensation for loss or profit on the said allowances			
	<u>Profit</u>			
	Where stated, the contractor may allow for profit if required			
	<u>General attendance on nominated/selected subcontractors</u>			
	The item "Attendance" which follows each provisional sum for nominated/selected subcontractors' work, shall be deemed to cover all the contractor's costs incurred in providing free of charge to the nominated/selected subcontractor			
	<u>Community Liaison Officer</u>			
1	Provide the Provisional Amount of R 100,000.00 (One hundred thousand Rand) nett for Community Liaison Officer's Salary to be omitted in part or whole as instructed by Principal Agent	Item		100,000.00
2	Allow for attendance on item above if required	Item		
3	Allow for profit on item above if required	Item		
	<b>Carried to Final Summary</b>			
	Provisional Sums			
	Bill No. 1			
	Provisional Sums		R	

**Mzuvele High School  
General Repairs and Renovations**

<b>Section No</b>	<b><u>FINAL SUMMARY</u></b>	<b>Page No</b>	<b>Amount</b>
1	Preliminaries	42	
2	Block A - Administration Block	87	
3	Block B - HOD Offices	125	
4	Block C - Typical 8 Classroom Block	168	
5	Block E - Typical 6 Classroom Block	212	
6	Block E - Ablutions	253	
7	Block F - 10 Classroom Block	295	
8	Block G - Hall With Exam Classroom	336	
9	Block H - Typical 3 Classroom Block	378	
10	Block I - Ablution Block	424	
11	External Work	436	
12	Provisional Sums	437	
	<b>SUB-TOTAL A</b>		R
	Contingencies @ 5% of Sub-total A to be used at Employer's discretion	Item	
	<b>SUB-TOTAL B</b>		R
	<b>ADD: VALUE ADDED TAX @ 15%</b>		R
	<b>Carried to Form of Tender</b>		R