

Item No	Quantity	Rate	Amount
<p><b><u>SECTION 1</u></b></p>			
<p><b><u>BILL No. 1</u></b></p>			
<p><b><u>PRELIMINARIES</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>			
<p><b><u>SECTION A: JBCC PRINCIPAL BUILDING AGREEMENT</u></b></p>			
<p><b><u>DEFINITIONS</u></b></p>			
<p>A <b>A1 DEFINITIONS AND INTERPRETATION</b></p>			
<p>Clause 1.0 Clause</p>			
<p>1.1 Definition of "<b>Commencement Date</b>" is added:</p>			
<p>Carried to Collection</p>			
<p>Section No. 1 Section No.1- Preliminaries and General Bill No. 1 Preliminaries</p>			
			R

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

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

B "**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

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

D "**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.

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

F "**FRAUDULENT PRACTICE**" means a misrepresentation of facts in order to influence a procurement process in the execution of a contract to the detriment of any tenderer and includes collusive practice among tenderes (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.

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 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).

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

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A **"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**.

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

C **"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

D 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: \_\_\_\_\_

Item

**OBJECTIVE AND PREPARATION**

E **A2 OFFER, ACCEPTANCE AND PERFORMANCE**

Clause 2.0

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

Item

F **A3 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: \_\_\_\_\_

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<p>A</p>	<p><b>A4 DESIGN RESPONSIBILITY</b></p> <p>Clause 4.0</p> <p>Clause 4.3 is amended by replacing it with the following:</p> <p>No clause</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	<p>Item</p>		
<p>B</p>	<p><b>A5 EMPLOYER'S AGENTS</b></p> <p>Clause 5.0</p> <p>Clause 5.1.2 is amended to include clauses 32.6.3, 34.3, 34.4 and 38.5.8</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	<p>Item</p>		
<p>C</p>	<p><b>A6 SITE REPRESENTATIVE</b></p> <p>Clause 6.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	<p>Item</p>		
<p>D</p>	<p><b>A7 COMPLIANCE WITH REGULATIONS</b></p> <p>Clause 7.0</p> <p><b>Note:</b> A separate clause has been included in Section C : Specific Preliminaries of the <b>bills of quantities / lump sum document</b> 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</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	<p>Item</p>		
<p>E</p>	<p><b>A8 WORKS RISK</b></p> <p>Clause 8.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	<p>Item</p>		
<p style="text-align: right;">Carried to Collection</p>				
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A **A9 INDEMNITIES**

Clause 9.0

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

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B **A10 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
- (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 material 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

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**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
- (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

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(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:

**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

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**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

**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

**A A11 LIABILITY INSURANCES**

Clause 11.0

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

Item

**B A12 EFFECTING INSURANCES**

Clause 12.0

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

Item

**C A13.0 No clause**

N/A

**D A14 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 submitted by the **contractor** to the **employer** will be as 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)

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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**

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

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14.4 Where **security** as a variable construction guarantee of ten per cent (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**

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:

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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)

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: \_\_\_\_\_

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**EXECUTION**

**A A15 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:

Give the **contractor** possession of the **site** within ten (10) **working days** of the **contractor** complying with the terms of 15.1.2 and 15.1.4

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

**B A16 ACCESS TO THE WORKS**

Clause 16.0

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

Item

**C A17 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

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A **A18 SETTING OUT OF THE WORKS**  
 Clause 18.0  
 Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time  
 related: \_\_\_\_\_

Item

B **A19 ASSIGNMENT**  
 Clause 19.0  
 Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time  
 related: \_\_\_\_\_

Item

C **A20 NOMINATED SUB-CONTRACTORS**  
 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

D **A21 SELECTED SUBCONTRACTORS**  
 Clause 21.0  
 Clause 21 is amended by replacing it with:  
 No Clause  
 Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time  
 related: \_\_\_\_\_

Item

E **A22 EMPLOYER'S DIRECT CONTRACTORS**  
 Clause 22.0  
 Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time  
 related: \_\_\_\_\_

Item

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**A A23 CONTRACTOR'S DOMESTIC SUBCONTRACTORS**

Clause 23.0

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

Item

**COMPLETION**

**B A24 PRACTICAL COMPLETION**

The contract duration is 9 months from the date of the letter of appointment.

Clause 24.0

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

Item

**C A25 WORK'S COMPLETION**

Clause 25.0

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

Item

**D A26 FINAL COMPLETION**

Clause 26.0

Clause 26.1.2 is amended by inserting "#" next to 26.1.2

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

Item

**E A27 LATENT DEFECTS LIABILITY PERIOD**

Clause 27.0

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

Item

**F A28 SECTIONAL COMPLETION**

Clause 28.0

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

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A **A29 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

B **A30 PENALTY FOR NON-COMPLETION**  
**Penalty per day after practical completion will be R3.75 per R100 as per clause 7.1 Calculation of penalty per calender days**  
 Clause 30.0  
 Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time related: \_\_\_\_\_

Item

**PAYMENT**

C **A31 INTERIM PAYMENT TO THE CONTRACTOR**  
 Clause 31.0

D Clause 31.5.2 is amended by replacing "14.7.1"t 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**

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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** is a payment reduction in terms of 14.7 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(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: \_\_\_\_\_

Carried to Collection

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**A A32 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

**B A33 RECOVERY OF EXPENSE AND LOSS**

Clause 33.0

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

**C A34 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 removing "#" 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

**D A35 PAYMENT TO OTHER PARTIES**

Clause 35.0

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

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**CANCELLATION**

**A36 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

**A A37 CANCELLATION BY EMPLOYER - LOSS AND DAMAGE**

Clause 37.0

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

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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: \_\_\_\_\_

Item

**A A38 CANCELLATION BY CONTRACTOR - EMPLOYER'S DEFAULT**

Clause 38.0

Claues 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

**B A39 CESSATON - CANCELLATION OF THE WORKS**

Clause 39.0

Claues 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: \_\_\_\_\_

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Carried to Collection

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**A A40 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 cost concerning the mediation and equally share the costs of the **mediator** and related costs

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

Item

**SUBSTITUTE PROVISIONS**

**B A41 STATE CLAUSES**

Clause 41.0

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

Item

**CONTRACT VARIABLES**

**THE SCHEDULE**

**C A42 PRE-TENDER INFORMATION**

Clause 42.0

Tenderers are referred to the Contract Data for variables pertaining to this contract

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

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**SECTION B: JBCC PRELIMINARIES**

**1: DEFINITIONS AND INTERPRETATION**

**A *Definitions and interpretation***

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

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

Item

**2: DOCUMENTS**

**B *Checking of documents***

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

Item

**C *Provisional bills of quantities***

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

Item

**D *Availability of construction documentation***

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

Item

**E *Interests of agents***

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

Item

**F *Priced documents***

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

Item

**G *Tender submission***

Clause 2.6 is amended by replacing "JBCC Form of Tender" with "Form of Offer and Acceptance

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

Item

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**3: THE SITE**

**A Defined works area**

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

Item

**B Geotechnical investigation**

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

Item

**C Inspection of the site**

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

Item

**D Existing premises occupied**

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

Item

**E Previous work – dimensional accuracy**

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

Item

**F Previous work – defects**

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

Item

**G Services – known**

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

Item

**H Services – unknown**

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

Item

**I Protection of trees**

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

Item

**J Articles of value**

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

Item

Carried to Collection

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A **Inspection of adjoining properties**  
 Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time  
 related: \_\_\_\_\_

Item

**4: MANAGEMENT OF CONTRACT**

B **Management of the works**  
 Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time  
 related: \_\_\_\_\_

Item

C **Programme for the works**  
 Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time  
 related: \_\_\_\_\_

Item

D **Progress meetings**  
 Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time  
 related: \_\_\_\_\_

Item

E **Technical meetings**  
 Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time  
 related: \_\_\_\_\_

Item

F **Labour and plant records**  
 Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time  
 related: \_\_\_\_\_

Item

**5: SAMPLES, SHOP DRAWINGS AND  
 MANUFACTURERS' INSTRUCTIONS**

G **Samples of materials**  
 Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time  
 related: \_\_\_\_\_

Item

H **Workmanship samples**  
 Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time  
 related: \_\_\_\_\_

Item

I **Shop drawings**  
 Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time  
 related: \_\_\_\_\_

Item

Carried to Collection

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A **Compliance with manufacturer's instructions**  
 Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time  
 related: \_\_\_\_\_

Item

**6: TEMPORARY WORKS AND PLANT**

B **Deposits and fees**  
 Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time  
 related: \_\_\_\_\_

Item

C **Enclosure of the works**  
 Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time  
 related: \_\_\_\_\_

Item

D **Advertising**  
 Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time  
 related: \_\_\_\_\_

Item

E **Plant, equipment, sheds and offices**  
 Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time  
 related: \_\_\_\_\_

Item

F **Main notice board**  
 Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time  
 related: \_\_\_\_\_

Item

G **Subcontractors' notice board**  
 Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time  
 related: \_\_\_\_\_

Item

**7: TEMPORARY SERVICES**

H **Location**  
 Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time  
 related: \_\_\_\_\_

Item

I **Water**  
 Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time  
 related: \_\_\_\_\_

Item

Carried to Collection

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A	<b>Electricity</b>			
	Fixed: _____ Value related: _____ Time related: _____		Item	
B	<b>Telecommunication facilities</b>			
	Fixed: _____ Value related: _____ Time related: _____		Item	
C	<b>Ablution facilities</b>			
	Fixed: _____ Value related: _____ Time related: _____		Item	
<b>8: PRIME COST AMOUNTS</b>				
D	<b>Responsibility for prime cost amounts</b>			
	Fixed: _____ Value related: _____ Time related: _____		Item	
<b>9: ATTENDANCE ON N/S SUBCONTRACTORS</b>				
E	<b>General attendance</b>			
	Fixed: _____ Value related: _____ Time related: _____		Item	
F	<b>Special attendance</b>			
	Fixed: _____ Value related: _____ Time related: _____		Item	
G	<b>Commissioning – fuel, water and electricity</b>			
	Fixed: _____ Value related: _____ Time related: _____		Item	
<b>10: FINANCIAL ASPECTS</b>				
H	<b>Statutory taxes, duties and levies</b>			
	Fixed: _____ Value related: _____ Time related: _____		Item	
I	<b>Payment for preliminaries</b>			
	Fixed: _____ Value related: _____ Time related: _____		Item	
Carried to Collection				
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A	<p><b>Adjustment of preliminaries</b></p> <p>Clauses B10.3.1 and B10.3.2 are amended by replacing "within fifteen (15) <b>working days</b> of taking possession of the <b>site</b>" with "when submitting his priced <b>bills of quantities / lump sum document</b>"</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>			
B	<p><b>Payment certificate cash flow</b></p> <p>Fixed: _____ Value related: _____ Time related: _____</p>			
<p><b><u>11: GENERAL</u></b></p>				
C	<p><b>Protection of the works</b></p> <p>Fixed: _____ Value related: _____ Time related: _____</p>			
D	<p><b>Protection / isolation of existing / sectionally occupied works</b></p> <p>Fixed: _____ Value related: _____ Time related: _____</p>			
E	<p><b>Security of the works</b></p> <p>Fixed: _____ Value related: _____ Time related: _____</p>			
F	<p><b>Notice before covering work</b></p> <p>Fixed: _____ Value related: _____ Time related: _____</p>			
G	<p><b>Disturbance</b></p> <p>Fixed: _____ Value related: _____ Time related: _____</p>			
H	<p><b>Environmental disturbance</b></p> <p>Fixed: _____ Value related: _____ Time related: _____</p>			
<p>Carried to Collection</p>				
<p>Section No. 1 Section No.1- Preliminaries and General Bill No. 1 Preliminaries</p>				<p>R</p>

A **Works cleaning and clearing**  
 Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time  
 related: \_\_\_\_\_

Item

B **Vermin**  
 Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time  
 related: \_\_\_\_\_

Item

C **Overhand work**  
 Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time  
 related: \_\_\_\_\_

Item

D **Instruction manuals and guarantees**  
 Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time  
 related: \_\_\_\_\_

Item

E **As built information**  
 Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time  
 related: \_\_\_\_\_

Item

F **Tenant installations**  
 Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time  
 related: \_\_\_\_\_

Item

**12: SCHEDULE OF VARIABLES**

G **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

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<p><b>12.1 PRE TENDER INFORMATION</b></p> <p><b>12.1.1 Provisional Bills of Quantities</b>                  [2.2] The quantities are provisional                  YES</p> <p><b>12.1.2 Availability of construction documentation</b>                  [2.3] Construction documentation is complete                  YES</p> <p><b>12.1.3 Interest of agents</b>                  [2.4] The agents have no interest in this project apart from their professional interest</p> <p><b>12.1.4 Defined works area</b>                  [3.1] As per Architect's site layout. The Contractor shall limit their construction activities, movement of staff and storage of materials to the areas on site as indicated by the Representative/Agent at the site handover meeting.</p> <p><b>12.1.5 Geotechnical investigation</b>                  [3.2] A copy of the geotechnical investigation report is available on request from the Representative/Agent</p> <p><b>12.1.6 Existing premises occupied</b>                  [3.4] Existing buildings on the site will be in use and fully occupied for the duration of this contract. The Contractor shall execute all works under this contract in such a manner as will least interfere with the general routine of the occupants and shall minimise any nuisance from dust, noise and other causes</p> <p><b>12.1.7 Previous work - dimensional accuracy</b>                  [3.5] Before proceeding with work on existing buildings, the Contractor shall satisfy himself as to the dimensional accuracy of the structure. Materials and components ordered for installation in existing buildings are deemed to have been ordered post inspection and confirmation of existing dimensions. No claim arising from ignoring this caution will be entertained.</p> <p><b>12.1.8 Previous work - defects</b>                  [3.6] Not applicable</p>			
<p style="text-align: right;">Carried to Collection</p> <p>Section No. 1                  Section No.1- Preliminaries and General                  Bill No. 1                  Preliminaries</p>		<p style="text-align: center;">R</p>	

**12.19. Services - known**

[3.7] The site incorporates existing water supply, soil drainage, electrical, mechanical, telephone and data services. The Contractor must ensure that these services continue uninterrupted during the course of the contract. Any damage whatsoever caused by the Contractor and/or his agents to any existing services shall be rectified and/or made good at his own expense, all to the satisfaction of the Representative/Agent.

**12.1.10 Protection of trees**

[3.9] Trees of heritage significance shall be identified by the Representative/Agent. The Contractor shall be careful not to cause any damage to such.

**12.1.11 Inspection of adjoining properties**

[3.11] Not applicable:

**12.1.12 Enclosure of the works**

[6.2] The Contractor shall provide, erect, alter as necessary, maintain, remove and make good on completion of the works, suitable hoardings, all as necessary for the enclosure of the works and protection of the public, to the satisfaction of the Representative/Agent.

**12.1.13 Offices**

[6.4.3] The contractor shall provide, maintain and remove on completion of the works an office for the exclusive use of the Representative/Agent 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.

**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 SAPS. All wording shall be inscribed in dark green painted sans serif lettering.

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12.1.21 **Special attendance**  
[9.2]

Special attendance shall, without in any way limiting the meaning and interpretation thereof, include the following general services to be rendered by the Contractor to all nominated and/or selected sub-contractors or other contractors engaged by the employer:

1. Making good after nominated and/or sub-contractors and other selected contractors
2. Co-ordinating the main contract work with that of the nominated and/or selected sub-contractors and other contractors

12.1.22 **Protection of works**

[11.1] The Contractor shall take all necessary steps to protect the existing buildings and infrastructure within the site boundaries. any damage caused by the Contractor and/or his agents shall be rectified and/or made good at his own expense to the satisfaction of the Representative/Agent.

12.1.23 **Disturbance**

[11.5] The Contractor shall execute the works with as little noise and disturbance as possible to adjoining premises and occupants thereof. He 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 Representative/agent. In the event of beneficial occupation of a portion of the works being taken, the Contractor shall take similar precautions as described above in respect of occupied premises.

12.1.24 **Environmental disturbance**

[11.6] No additional specific requirements other than as stated under *Disturbance*

**12.2 POST-TENDER INFORMATION**

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**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**

**A C1 CONTRACT DRAWINGS**

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

Should any part of the drawings not be clearly intelligible to the tenderer he shall, before submitting his tender, obtain clarification in writing from the **principal agent**

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

Item

**B C2 GENERAL PREAMBLES**

The document "Specification of Materials and Methods to be used (PW371)" is obtainable on request from the head office and all regional offices of the Department, and shall be read in conjunction with the **bills of quantities** and be referred to for the full descriptions of work to be done and materials to be used

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

Item

**C C3 TRADE NAMES**

Wherever a trade name for any product has been described in the **bills of quantities**, the tenderer's attention is drawn to the fact that any other product of equal quality may be used subject to the written approval of the **principal agent** being obtained prior to the closing date for submission of tenders

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: \_\_\_\_\_

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<p>A</p>	<p><b>C4 IMPORTED MATERIALS AND EQUIPMENT</b></p> <p>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</p> <p>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)</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	<p>Item</p>		
<p>B</p>	<p><b>C5 VIEWING THE SITE IN SECURITY AREAS</b></p> <p>The <b>site</b> 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 <b>site</b> for tendering purposes</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	<p>Item</p>		
<p>C</p>	<p><b>C6 COMMENCEMENT OF WORKS IN SECURITY AREAS</b></p> <p>As the <b>works</b> falls within a security area the <b>contractor</b> must give the unit commander or other responsible officer notice before commencement of the <b>works</b>. Should the <b>contractor</b> fail to make such arrangements, admission to the <b>site</b> may be refused and any additional costs will be for the <b>contractor's</b> account</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	<p>Item</p>		
<p>D</p>	<p><b>C7 ENTRANCE PERMITS TO SECURITY AREAS</b></p> <p>As the <b>works</b> falls within a security area the <b>contractor</b> 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</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	<p>Item</p>		
	<p style="text-align: right;">Carried to Collection</p> <p>Section No. 1 Section No.1- Preliminaries and General Bill No. 1 Preliminaries</p>		<p>R</p>	

**A C8 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

**B C9 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: \_\_\_\_\_

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**C10 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. 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

**A 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

**B 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

Carried to Collection

R

Section No. 1  
 Section No.1- Preliminaries and General  
 Bill No. 1  
 Preliminaries

A **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

B **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

C **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

Carried to Collection

R

Section No. 1  
 Section No.1- Preliminaries and General  
 Bill No. 1  
 Preliminaries

**A C11 : 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

Carried to Collection

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Section No. 1  
 Section No.1- Preliminaries and General  
 Bill No. 1  
 Preliminaries

**A C12 EMPLOYMENT AND TRAINING OF YOUTH WORKERS ON THE EXPANDED PUBLIC WORKS PROGRAMME (EPWP) INFRASTRUCTURE PROJECTS: NATIONAL YOUTH SERVICE (NYS)**

The Contractor shall comply with Additional Specification SL: Employment and Training of Youth Workers on the Expanded Public Works Programme (EPWP) Infrastructure Projects: National Youth Service (NYS) as attached to these Bills of Quantities.

The Contractor shall identify a minimum of 65 youth workers from a priority list and employ them at the statutory labour rates for a minimum period of 6 months and train them as per Specification SL.

The Contractor shall liaise and co-ordinate with the Department in providing the priority list and the selection of youth workers and with the employment and training of the identified youth workers.

Separate items, subject to re-measurement, have been scheduled in Section 9, Bill No. 1 to cover the direct costs associated with training.

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

Item

Carried to Collection

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Section No.1- Preliminaries and General  
Bill No. 1  
Preliminaries



Bill No. 1

Preliminaries

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Section No. 1

Section No.1- Preliminaries and General

Bill No. 1

Preliminaries

Item No	<b><u>BILL NO. 1</u></b>	Quantity	Rate	Amount
	<p><b><u>ALTERATIONS</u></b></p> <p><b><u>PREAMBLES</u></b></p> <p>The tenderers are requested to study ,the Model Preambles for Trades 2008 published by the Association of South African Quantity Surveyors is designed to support and extend the abbreviated bills of quantities descriptions by inter alia referring to SANS construction standards.</p> <p><u>View site</u></p> <p>Before submitting his tender the tenderer 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>Water supply pipes and other piping in ground 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>Unless otherwise described all materials are to become the property of the contractor and are to be removed from the site</p> <p><b><u>TEMPORARY BARRICADES, SCREENS, ETC</u></b></p> <p><u>Temporary barricades, screens, roofs, etc including removal</u></p>			
A	<p>Dust screen 2.65m high between concrete floor and ceiling, of suitable timber framing with 375 micron polyethylene sheeting stapled on on one side, including corners, ends, etc</p>	m	10	
	<b>Carried to Collection</b>			R
	<p><b>Section No. 2</b>  <b>Section No.2- Classroom and Administration Blocks</b>  <b>Bill No. 1</b>  <b>Alterations</b></p>			





Bill No. 1

Alterations

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Section No. 2

Section No.2- Classroom and Administration Blocks

Bill No. 1

Alterations

Item No	Quantity	Rate	Amount
<p><b><u>BILL NO. 2</u></b></p> <p><b><u>CONCRETE, FORMWORK AND REINFORCEMENT</u></b></p>			
<p><b><u>PREAMBLES</u></b></p> <p>The tenderers are requested to study ,the Model Preambles for Trades 2008 published by the Association of South African Quantity Surveyors is designed to support and extend the abbreviated bills of quantities descriptions by inter alia referring to SANS construction standards.</p>			
<p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><b><u>Cost of tests</u></b></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 architect. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval of the architect. (Test cubes are measured separately)</p>			
<p><b><u>Formwork</u></b></p> <p>Description 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>The vertical strutting shall be carried down to such construction as is sufficiently strong to afford the required support without damage and shall remain in position until the newly constructed work is able to support itself.</p> <p>Formworks to soffits of solid etc shall be deemed to be slabs not exceeding 250mm thick unless otherwise described</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>Carried to Collection</p>		R	
<p><b>Section No. 2</b>  <b>Section No.2- Classroom and Administration Blocks</b>  <b>Bill No. 2</b>  <b>Concrete, Formwork and Reinforcement</b></p>			

**UNREINFORCED CONCRETE**

**30MPa/19mm concrete**

A	Surface beds cast in panels on waterproofing	m3	1
B	Steps, urinal steps, cupboard platforms, etc	m3	2

**TEST BLOCKS**

C	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	5
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**SMOOTH FORMWORK (DEGREE OF ACCURACY I)**

Smooth formwork to sides

D	Sloping and stepped outer edges of stairs 300mm high extreme	m	4
E	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	22

Finishing top surfaces of concrete smooth with a power float

F	Surface beds, slabs, etc	m2	9
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**Fabric reinforcement**

G	Type 193 fabric reinforcement in concrete surface beds, slabs, etc	m2	9
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Carried to Collection

R

Section No. 2  
 Section No.2- Classroom and Administration Blocks  
 Bill No. 2  
 Concrete, Formwork and Reinforcement

Bill No. 2

Concrete, Formwork and Reinforcement

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Section No. 2  
 Section No.2- Classroom and Administration Blocks  
 Bill No. 2  
 Concrete, Formwork and Reinforcement

Item No	Quantity	Rate	Amount
<p><b><u>BILL NO. 3</u></b></p>			
<p><b><u>MASONRY</u></b></p>			
<p><b><u>PREAMBLES</u></b></p>			
<p>The tenderers are requested to study ,the Model Preambles for Trades 2008 published by the Association of South African Quantity Surveyors is designed to support and extend the abbreviated bills of quantities descriptions by inter alia referring to SANS construction standards.</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><u>Hollow walls</u></p>			
<p>Descriptions of hollow walls shall be deemed to include leaving every fifth perpend of the bottom course of the external skin open as a weep hole</p>			
<p><u>User note</u></p>			
<p><i>The following preamble generally applies for works in hot and humid coastal areas</i></p>			
<p><u>Bagged and sealed walls</u></p>			
<p>Walls in two skins described as "bagged and sealed" shall be deemed to include having the outer face of the inner skin bagged with 1:6 cement and sand mixture and sealed with two coats bitumen emulsion waterproofing coating</p>			
<p><u>Face bricks</u></p>			
<p>Bricks shall be ordered timeously to obtain uniformity in size and colour</p>			
<p>Carried to Collection</p>			
<p>Section No. 2 Section No.2- Classroom and Administration Blocks Bill No. 3 Masonry</p>			
		R	



Bill No. 3

Masonry

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Section No. 2  
 Section No.2- Classroom and Administration Blocks  
 Bill No. 3  
 Masonry

Item No	BILL NO. 4	Quantity	Rate	Amount
	<p><b><u>WATERPROOFING</u></b></p> <p><b><u>PREAMBLES</u></b></p> <p>The tenderers are requested to study ,the Model Preambles for Trades 2008 published by the Association of South African Quantity Surveyors is designed to support and extend the abbreviated bills of quantities descriptions by inter alia referring to SANS construction standards.</p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><u>Waterproofing</u></p> <p>Waterproofing of roofs, basements, etc shall be laid under a ten year guarantee. Waterproofing to roofs shall be laid to even falls to outlets etc with necessary ridges, hips and valleys. Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs</p> <p><b><u>DAMPPROOFING OF WALLS AND FLOORS</u></b></p> <p><u>One layer 250 micron green polyethylene waterproof sheeting (SANS 952-1985 type C) sealed at laps with PVC self-adhesive tape</u></p>			
A	Under surface beds	m2	9	
	<p><b><u>SEALING STRIPS, JOINT SEALANTS, ETC</u></b></p> <p><u>Pre-compressed bitumen impregnated foam plastic joint sealing strips</u></p>			
B	10 x 15mm In expansion joints	m	56	
	<p>Carried Forward to Summary of Section No.</p> <p>Section No. 2 Section No.2- Classroom and Administration Blocks Bill No. 4 Waterproofing</p>			R

Item No		Quantity	Rate	Amount
	<b><u>BILL NO. 5</u></b>			
	<b><u>ROOF COVERINGS</u></b>			
	<b><u>PREAMBLES</u></b>			
	The tenderers are requested to study ,the Model Preambles for Trades 2008 published by the Association of South African Quantity Surveyors is designed to support and extend the abbreviated bills of quantities descriptions by inter alia referring to SANS construction standards.			
	<b><u>PROFILED METAL SHEETING AND ACCESSORIES</u></b>			
	<u>0.56mm Zinc alum broad flute IBR steel sheets in single lengths with "chromadek" finish of approved standard colour on one side and standard storm grey backing finish on reverse side, fixed to timber purlins or rails</u>			
A	Roof covering with pitches not exceeding 25 degrees	m2	1 651	
B	Ridge coverings 500mm girth	m	135	
C	Narrow and broad flute closers 35mm girth	m	271	
D	Moulded narrow and broad rib polyethelene filler blocks	m	271	
	<b><u>SHEET METAL FLASHINGS, LININGS, COPINGS, ETC</u></b>			
	<u>0.6mm Galvanised sheet steel</u>			
E	Flashings	m2	17	
	<b><u>ROOF AND WALL INSULATION</u></b>			
	<u>25mm Thick aluminium foil faced polyisocyanurate foam core rigid board</u>			
F	Insulation boarding in 900mm widths with longitudinal flap joints, laid over purlins and fixed concurrent with roof covering, including holes through boards etc	m2	1 651	
	Carried Forward to Summary of Section No.			R
	Section No. 2			
	Section No.2- Classroom and Administration Blocks			
	Bill No. 5			
	Roof Coverings			

Item No	<b><u>BILL NO. 6</u></b>	Quantity	Rate	Amount
	<b><u>CARPENTRY AND JOINERY</u></b>			
	<b><u>PREAMBLES</u></b>			
	The tenderers are requested to study ,the Model Preambles for Trades 2008 published by the Association of South African Quantity Surveyors is designed to support and extend the abbreviated bills of quantities descriptions by inter alia referring to SANS construction standards.			
	<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 frames shall be deemed to include frames, transomes, rails, etc			
	Descriptions of hardwood joinery shall be deemed to include sinking and pelleting heads and nuts of bolts			
	<u>Decorative thermosetting plastic laminate covering</u>			
	Laminate covering shall be glued under pressure and edge strips of same shall be butt jointed at junctions with adjacent similar finish			
	<b><u>ROOFS ETC</u></b>			
	<u>Sawn softwood grade 6 S.A Pine</u>			
	<u>Sundries</u>			
A	Two coats creosote on sawn timbers	m2	133	
	<b>Carried to Collection</b>			R
	<b>Section No. 2</b>			
	<b>Section No.2- Classroom and Administration Blocks</b>			
	<b>Bill No. 6</b>			
	<b>Carpentry and Joinery</b>			

**PLATE NAILED TIMBER ROOF TRUSS  
CONSTRUCTION ETC**

**SUPPLEMENTARY PREAMBLES**

Trusses are at maximum 900mm centres

Roof coverings are on purlins

Ceilings are plasterboard on 38 x 38mm branderling

References given in descriptions refer to the respective types of trusses detailed on the architect's/engineer's drawings

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

**Sawn softwood grade 6 S.A Pine**

A	114 x 38mm Rafter	m	50
B	Roof construction to double pitched roof with two gable ends, 16.86 x 10.69m overall on plan x 1600mm high overall, including trusses, jack rafters, permanent bracing and 50 x 75mm purlins at 600mm centres for roof covering etc. ( Part of Block A)	No	2
C	Roof construction to double pitched roof with two gable ends, 8.32 x 10.60m overall on plan x 1500mm high overall, including trusses, jack rafters, permanent bracing and 50 x 75mm purlins at 600mm centres for roof covering etc. (Block A)		Item
D	Roof construction to double pitched roof with two gable ends, 6.74 x 10.50m overall on plan x 1600mm high overall, including trusses, jack rafters, permanent bracing and 50 x 75mm purlins at 600mm centres for roof covering etc. (Block C)		Item
E	Roof construction to double pitched roof with two gable ends, 23.76 x 10.50m overall on plan x 1600mm high overall, including trusses, jack rafters, permanent bracing and 50 x 75mm purlins at 600mm centres for roof covering etc. (Block C)		Item
F	Roof construction to double pitched roof with two gable ends, 40.02 x 10.50m overall on plan x 1600mm high overall, including trusses, jack rafters, permanent bracing and 50 x 75mm purlins at 600mm centres for roof covering etc. (Block D)		Item

Carried to Collection

R

Section No. 2

Section No.2- Classroom and Administration Blocks

Bill No. 6

Carpentry and Joinery

**EAVES, VERGES, ETC**

Medium density plain fibre-cement fascias and barge boards

A	12 x 225mm Fascias and barge boards, including galvanised steel profile joiners	m	405		
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**SKIRTINGS**

Wrought meranti

B	100 x 16mm Skirtings including 20mm quadrant bead, nailed	m	990		
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**DOORS ETC**

Wrought meranti horinzotal slated doors hung to steel frames

C	44mm Horizontal slatted door 813 x 2032mm high	No	17		
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Carried to Collection

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Section No. 2  
 Section No.2- Classroom and Administration Blocks  
 Bill No. 6  
 Carpentry and Joinery

Bill No. 6

Carpentry and Joinery

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 Section No.2- Classroom and Administration Blocks  
 Bill No. 6  
 Carpentry and Joinery

Item No	<b><u>BILL NO. 7</u></b>	Quantity	Rate	Amount
	<b><u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u></b>			
	<b><u>PREAMBLES</u></b>			
	The tenderers are requested to study ,the Model Preambles for Trades 2008 published by the Association of South African Quantity Surveyors is designed to support and extend the abbreviated bills of quantities descriptions by inter alia referring to SANS construction standards.			
	<b><u>NAILED-UP CEILINGS</u></b>			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
	<u>Openings</u>			
	Prices for openings for light fittings, ventilation grilles, air conditioning diffusers, etc are to include for any necessary additional support, trimming around, etc			
	<u>6,4mm Gypsum plasterboard with H-profile galvanised steel jointing strips</u>			
A	Ceilings including 38 x 38mm sawn softwood bandering at 300mm centres and cross bandering at 300mm centres	m2	900	
B	Extra over hinged 610 x 610mm powder coated aluminium prefabricated ceiling inspection rap door as per Architect specification C5	No	11	
	<u>6,4mm Fibre-cement plain ceiling boards with H-profile galvanised steel jointing strips</u>			
C	Ceilings including 38 x 38mm sawn softwood bandering at 300mm centres and cross bandering at 300mm centres	m2	226	
	<u>Gypsum plasterboard cornices</u>			
D	75mm Coved cornices	m	495	
	<u>Fibre cement cornices</u>			
E	75mm Coved cornices	m	265	
	<u>Insulation</u>			
	<b>Carried to Collection</b>			R
	<b>Section No. 2</b>			
	<b>Section No.2- Classroom and Administration Blocks</b>			
	<b>Bill No. 7</b>			
	<b>Ceilings, Partitions and Access Flooring</b>			

A	<p><u>Non-combustible fibreglass insulation of a density of not less than 10kg/m3 bonded with an inert thermo-setting resin</u></p> <p>100mm Insulation in blanket form closely fitted and laid on top of brandering between roof timbers etc</p>	m2	900		
					R

Carried to Collection

Section No. 2  
 Section No.2- Classroom and Administration Blocks  
 Bill No. 7  
 Ceilings, Partitions and Access Flooring

Bill No. 7

Ceilings, Partitions and Access Flooring

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Section No. 2

Section No.2- Classroom and Administration Blocks

Bill No. 7

Ceilings, Partitions and Access Flooring

Item No	<b><u>BILL NO. 8</u></b>	Quantity	Rate	Amount
	<b><u>FLOOR COVERINGS, WALL LININGS, ETC</u></b>			
	<b><u>PREAMBLES</u></b>			
	The tenderers are requested to study ,the Model Preambles for Trades 2008 published by the Association of South African Quantity Surveyors is designed to support and extend the abbreviated bills of quantities descriptions by inter alia referring to SANS construction standards.			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
	<u>Fixing</u>			
	Floor coverings, wall linings, etc shall, where applicable, be fixed with adhesive as recommended by the manufacturers of the flooring, linings, etc			
	<b><u>FLOOR COVERINGS</u></b>			
	<u>300 x 300 x 2.5mm fully flexible vinyl tiles</u>			
A	On floors	m2	1 799	
	<b><u>POLISH, SEALERS, ETC</u></b>			
B	Two coats wax polish on vinyl tiles	m2	1 799	
	Carried Forward to Summary of Section No.			R
	Section No. 2			
	Section No.2- Classroom and Administration Blocks			
	Bill No. 8			
	Floor Coverings			

Item No	<b><u>BILL NO. 9</u></b>	Quantity	Rate	Amount
	<b><u>IRONMONGERY</u></b>			
	<b><u>PREAMBLES</u></b>			
	The tenderers are requested to study ,the Model Preambles for Trades 2008 published by the Association of South African Quantity Surveyors is designed to support and extend the abbreviated bills of quantities descriptions by inter alia referring to SANS construction standards.			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
	<u>Proprietary items</u>			
	Where applicable the manufacturers' names or product catalogue titles are given in sub-headings preceding the items			
	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			
	On request returnable samples are to be provided to the principal agent for consideration			
	<b><u>HINGES, BOLTS, ETC</u></b>			
	<u>Manufactured by "Assa Abloy" or similar approved</u>			
	<u>In accordance with "Assa Abloy" catalogue</u>			
A	"CZ80941CH" WC indicator bolt with keep fixed to metal	No	16	
	<u>Manufactured by "Assa Abloy" or similar approved</u>			
	<u>In accordance with "Assa Abloy" catalogue</u>			
	<b><u>CATCHES, CABIN HOOKS, ETC</u></b>			
B	Rubber tipped hat and coat hook	No	17	
	<b><u>LOCKS</u></b>			
	<u>Manufactured by "Assa Abloy" or similar approved</u>			
	Carried to Collection			R
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	Section No.2- Classroom and Administration Blocks			
	Bill No. 9			
	Ironmongery			



Bill No. 9

Ironmongery

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Section No. 2

Section No.2- Classroom and Administration Blocks

Bill No. 9

Ironmongery

Item No	<b><u>BILL NO. 10</u></b>	Quantity	Rate	Amount
	<p><b><u>METALWORK</u></b></p> <p><b><u>PREAMBLES</u></b></p> <p>The tenderers are requested to study ,the Model Preambles for Trades 2008 published by the Association of South African Quantity Surveyors is designed to support and extend the abbreviated bills of quantities descriptions by inter alia referring to SANS construction standards.</p> <p><u>NOTE:</u> All tenderers are advised to study the "Specifications of Materials and Methods to be used" (MPW 100) before pricing this document</p> <p><u>NOTE:</u> Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No 136 for contract price adjustment purposes</p> <p>-----</p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><b><u>Descriptions</u></b></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>Metalwork described as"holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described</p> <p>-----</p> <p><b><u>GALVANISED STEEL GATES, SCREENS, ETC</u></b></p>			
A	<p>Single gate 813 x 2032mm high of 50 x 50 x 3mm hollow section frame filled in with solid steel bars placed at 100mm centres welded to frame and fitted with a pair of suitable hinges welded to post and with hasp and staple welded on (G1)</p>	No	17	
	Carried to Collection			R
	<p>Section No. 2 Section No.2- Classroom and Administration Blocks Bill No. 10 Metalwork</p>			

**1,6mm Double rebated frames suitable for one brick walls**

A Frame for door size 813 x 2032mm high

No

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Section No. 2  
 Section No.2- Classroom and Administration Blocks  
 Bill No. 10  
 Metalwork

Bill No. 10

Metalwork

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Section No. 2

Section No.2- Classroom and Administration Blocks

Bill No. 10

Metalwork

Item No	Quantity	Rate	Amount
<p><b><u>BILL NO. 11</u></b></p>			
<p><b><u>PLASTERING</u></b></p>			
<p><b><u>PREAMBLES</u></b></p>			
<p>The tenderers are requested to study ,the Model Preambles for Trades 2008 published by the Association of South African Quantity Surveyors is designed to support and extend the abbreviated bills of quantities descriptions by inter alia referring to SANS construction standards.</p>			
<p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p>			
<p><u>User Note</u></p>			
<p><i>The following preambles are to be included only when specifically required by the principal agent</i></p>			
<p><b><u>GRANOLITHIC</u></b></p>			
<p><u>Method</u></p>			
<p>The method to be used shall be either the monolithic method or the bonded method</p>			
<p><u>Preparation</u></p>			
<p>For granolithic applied monolithically, the concrete floor shall be swept clean after bleeding of the concrete has ceased and the slab has begun to stiffen; any remaining bleed water shall be removed and the granolithic applied immediately thereafter. For granolithic to be bonded to the floor slab after it has hardened, the slab surface shall be hacked (preferably by mechanical means) until all laitance, dirt, oil, etc is dislodged and swept clean of all loose matter. The slab shall then be wetted and kept damp for at least six hours before applying the granolithic</p>			
<p><u>Mix</u></p>			
<p>Granolithic shall attain a compressive strength of at least 41MPa. The coarse aggregate shall comply with SANS 1083 and shall generally be capable of passing a 10mm mesh sieve. Where the thickness of the granolithic exceeds 25mm, the size of the coarse aggregate shall be increased to the maximum size compatible with the thickness of the granolithic</p>			
<p>Carried to Collection</p>			
<p>Section No. 2 Section No.2- Classroom and Administration Blocks Bill No. 11 Plastering</p>			
		R	

Panels

Granolithic shall be laid in panels not exceeding 14m<sup>2</sup> for monolithic finishes, not exceeding 9,5m<sup>2</sup> for bonded finishes and not exceeding 6m<sup>2</sup> for all external granolithic. Wherever possible, panels shall be square but at no time should the length of the panel exceed 1,5 times its width

Where possible joints between panels shall be positioned over joints in the floor slab and shall be at least 3mm wide through the full thickness of the finish, separated by strips of wood or fibreboard and finished with V-joints

Laying

Monolithic granolithic shall be applied to the partially set slab and thoroughly compacted and lightly wood floated to the required levels

Bonded granolithic shall be applied to the slab after applying a 1:1 sand-and-cement slurry brushed over the surface and allowed to partially set before applying the granolithic. The granolithic shall be thoroughly compacted and lightly wood floated to the required levels

After wood floating, the monolithic and bonded granolithic shall remain undisturbed until bleeding has ceased and the surface has stiffened. Any remaining bleed water and laitance shall then be removed and the surface steel trowelled or power floated

Curing, seasoning and protection

Granolithic shall be covered with clean hessian with waterproof building foil over and kept wet for at least seven days after laying

Colour

Coloured granolithic shall be tinted with an approved colouring pigment mixed into a true and even colour

**SCREEDS**

Screeds steel trowelled, on concrete

A	30mm Thick on floors and landings	m2	900
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**GRANOLITHIC**

Carried to Collection

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Section No. 2  
 Section No.2- Classroom and Administration Blocks  
 Bill No. 11  
 Plastering



Bill No. 11

Plastering

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Section No. 2

Section No.2- Classroom and Administration Blocks

Bill No. 11

Plastering

Item No	Quantity	Rate	Amount
<p><b><u>BILL NO. 12</u></b></p>			
<p><b><u>PLUMBING AND DRAINAGE</u></b></p>			
<p><b><u>PREAMBLES</u></b></p>			
<p>The tenderers are requested to study ,the Model Preambles for Trades 2008 published by the Association of South African Quantity Surveyors is designed to support and extend the abbreviated bills of quantities descriptions by inter alia referring to SANS construction standards.</p>			
<p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p>			
<p><b><u>Copper pipes:</u></b></p>			
<p>Pipes shall be hard drawn and half-hard pipes of the class stated. Class 0 (thin walled hard drawn) pipes shall not be bent. Class 1 (thin walled half-hard), class 2 (half-hard) and class 3 (heavy walled half-hard) pipes shall only be bent with benders with inner and outer formers. Fittings to copper waste, vent and anti-syphon pipes, capillary solder fittings and compression fittings shall be "Cobra Watertech" type. Capillary solder fittings shall comply with ISO 2016. Only compression fittings shall be used in walls or in ground</p>			
<p><b><u>Lead pipes and traps</u></b></p>			
<p>All soldered joints shall be wiped and brass unions shall be used for jointing lead to steel</p>			
<p><b><u>Reducing fittings</u></b></p>			
<p>Where fittings have reducing ends or branches they are described as "reducing". In the case of pipes with diameters not exceeding 60mm only the largest end or branch size is given. Should the contractor wish to use other fittings and bushes or reducers he may do so on the understanding that no claim in this regard will be entertained. In the case of pipes with diameters exceeding 60mm all sizes are given and no claim for extra bushes, reducers, etc will be entertained</p>			
<p><b><u>Wire gratings</u></b></p>			
<p>Descriptions of gutter outlets etc shall be deemed to include wire balloon gratings</p>			
<p>Carried to Collection</p>		R	
<p>Section No. 2 Section No.2- Classroom and Administration Blocks Bill No. 12 Plumbing and Drainage</p>			

**Septic tanks**

Descriptions of gutter outlets etc shall be deemed to include wire balloon gratings

**Exposed concrete surfaces**

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

**Excavations**

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

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

**Laying, backfilling, bedding, etc. of pipes**

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

Where no manufacturers' instructions exist pipes shall be laid in accordance with clauses 5.1 and 5.2 of each of the following:

SABS/SANS 1200 L : Medium-pressure pipelines

LD : Sewers

LE : Stormwater drainage

Pipe trenches etc shall be backfilled in accordance with clauses 3, 5.5, 5.6, 5.7 and 7 of SABS/SANS 1200

DB : Earthworks (Pipe trenches)

Pipes shall be bedded in accordance with clauses 3.1 to 3.4.1, 5.1 to 5.3 and 7 of SABS/SANS 1200

LB : Bedding (Pipes).

Unless otherwise described bedding of rigid pipes shall be class B bedding

**Flush pans**

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

**Stainless steel basins, sinks, wash troughs, urinals, etc.**

Units shall have standard aprons on all exposed edges and tiling keys against walls where applicable

**PLUMBING**

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Section No.2- Classroom and Administration Blocks

Bill No. 12

Plumbing and Drainage

R

**RAINWATER DISPOSAL**

0,6mm OGEE seamless aluminium gutter and rainwater pipes

A	125 x 75mm Roof gutters with beaded front edge	m	271
B	100 x 75mm Rainwater pipes	m	123
C	Extra over gutter for stopped end	No	20
D	Extra over gutter for outlet for 100 x 75mm pipe	No	44
E	Extra over rainwater pipe for plinth bend	No	44
F	Extra over rainwater pipe for shoe	No	44

**SANITARY FITTINGS**

**Atlas plastic or other equal approved**

G	510 x 400mm "Christie" or similar equal approved polyethylene wash hand basin with splashback bolted to wall "code 382A", Atlas Plastic or similar approved	No	12
H	387 x 466 x 518mm VIP 200 pedestal incorporates a comfortable seat	No	16
I	320 x 350 x 495mm bowl urinal wall hung including waterless urinal waste, fittings and three hanger bracket	No	6

PVC vent pipes

**TAPS, VALVES, ETC**

**Cobra or equal approved chromium plated**

J	15mm chromium plated bib-tap	No	12
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 Section No.2- Classroom and Administration Blocks  
 Bill No. 12  
 Plumbing and Drainage

Bill No. 12

Plumbing and Drainage

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Section No. 2

Section No.2- Classroom and Administration Blocks

Bill No. 12

Plumbing and Drainage

Item No	<b><u>BILL NO. 13</u></b>	Quantity	Rate	Amount
	<b><u>GLAZING</u></b>			
	<b><u>PREAMBLES</u></b>			
	The tenderers are requested to study ,the Model Preambles for Trades 2008 published by the Association of South African Quantity Surveyors is designed to support and extend the abbreviated bills of quantities descriptions by inter alia referring to SANS construction standards.			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
	<u>Float glass</u>			
	The term "float glass" is used for monolithic annealed glass			
	<u>Laminated glass</u>			
	Laminated glass to have polyvinyl butyral (PVB) interlayer(s)			
	<u>6.38mm Laminated safety glass</u>			
A	Panes not exceeding 0,1m <sup>2</sup>	m2	20	
	<u>4mm Obscure glass</u>			
B	Panes not exceeding 0,1m <sup>2</sup>	m2	8	
	<b><u>TOPS, SHELVES, DOORS, MIRRORS, ETC</u></b>			
	<u>6mm Silvered float glass copper backed mirrors with polished edges, fixed with double sided adhesive tape and silicone</u>			
C	Mirror 450 x 600mm high	No	12	
	Carried Forward to Summary of Section No.			
	Section No. 2			
	Section No.2- Classroom and Administration Blocks			
	Bill No. 13			
	Glazing			
				R

Item No	Quantity	Rate	Amount
<p><b><u>BILL NO. 14</u></b></p>			
<p><b><u>PAINTWORK</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 specifications unless otherwise described</p>			
<p><b><u>COLOURS</u></b></p>			
<p><u>User note</u></p> <p><i>In the event of the colour scheme for the project not being available when required for the preparation of quantities, it is recommended that either all paintwork be described as being in the "White" colour group or that ceilings be described as being in the "White" colour group and the balance being in the "Pastel" colour group and that provision be made for other colour groups by way of "extra over" items marked "Provisional" as provided for in the measuring system (See measurement rule No. 5 under item 2: Colours). The following items are examples of such "extra over" items:</i></p>			
<p>Carried to Collection</p>		R	
<p>Section No. 2 Section No.2- Classroom and Administration Blocks Bill No. 14 Paintwork</p>			

*"Extra over for paintwork on components (ceilings) in the "White" colour group for paintwork in the "Pastel" colour group (Provisional) m<sup>2</sup>"*

*"Extra over for paintwork on components in the "Pastel" colour group for paintwork in the "Deep" colour group (Provisional) m<sup>2</sup>"*

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

**PAINTWORK ETC TO NEW WORK**

**ON INTERNAL FLOATED PLASTER SURFACES**

One coat alkali resistant primer and three coats superior quality acrylic emulsion paint for interior

A	Walls	m2	490	
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**ON PLASTERBOARD SURFACES**

One coat alkali resistant primer and three coats PVA emulsion paint for interior use

B	Ceilings and cornices, including priming metal cover strips and nailheads ("White" colour group)	m2	900	
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**ON FIBRE-CEMENT BOARD SURFACES**

One coat alkali resistant primer and three coats PVA emulsion paint for exterior use

C	Ceilings and cornices, including priming metal cover strips and nailheads ("White" colour group)	m2	226	
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**ON METAL SURFACES**

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

D	Door frames	m2	27	
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E	Gates, grilles, burglar screens, balustrades, etc (both sides measured over the full flat area)	m2	58	
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Section No. 2  
 Section No.2- Classroom and Administration Blocks  
 Bill No. 14  
 Paintwork

**ON WOOD SURFACES**

One coat alkyd based universal undercoat and one coat superior quality universal enamel paint, on work in sound condition

A	Doors	m2	60		
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Three coats superior quality clear matt varnish

B	Doors	m2	60		
---	-------	----	----	--	--

Two coats of woodoc 30 matt varnish

C	Skirtings, rails, etc not exceeding 300mm girth	m	990		
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**PAINTWORK, ETC TO PREVIOUSLY PAINTED WORK**

**ON EXTERNAL FLOATED PLASTER SURFACES**

One coat alkali resistant primer and two coats superior quality acrylic emulsion paint for exterior

D	Walls	m2	916		
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**ON INTERNAL FLOATED PLASTER SURFACES**

One coat alkali resistant primer and three coats superior quality acrylic emulsion paint for interior

E	Walls	m2	735		
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**ON METAL SURFACES**

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

F	Windows with burglar bars	m2	266		
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G	Rails, bars, pipes, etc not exceeding 300mm girth	m	98		
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Section No. 2  
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 Bill No. 14  
 Paintwork

Bill No. 14

Paintwork

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Section No. 2

Section No.2- Classroom and Administration Blocks

Bill No. 14

Paintwork

Item No	Quantity	Rate	Amount
<b><u>BILL NO. 20</u></b>			
<b><u>PROVISIONAL SUMS</u></b>			
<b><u>NOTES:</u></b>			
1. Where special attendance includes the provision of hoisting facilities for a Sub-Contractor then the Contractor shall:-			
* Ensure that the capacities of his hoisting equipment are sufficient to deal with the masses and the quantities of the items to be hoisted,			
* Schedule the times of availability of the hoisting equipment for each Sub-Contractor,			
* Provide all necessary personnel to operate the hoisting equipment,			
all to enable the Sub-Contractor to execute the hoisting or lowering of his material, etc. using the facilities provided by the Contractor			
2. Under no circumstances may any Provisional Amount, etc. be extended at an amount lower than the amount given in this Bill			
The Contractor must read each description throughout this bills of quantities in conjunction with and in the context of the obligations, requirements and specifications stated in the descriptions, the Model Preambles for Trades (2008 Edition) and any supplementary Preambles to the Model Preambles forming part of these Bills of Quantities			
No claim arising from brevity of description of items fully described in the said Model Preambles for Trades or Supplementary Preambles to Model Preambles will be granted			
All provisional sums cover supply of material and equipment and installation. provisional sums are nett and do not include builder's discount (excluding settlement discount) and Value Added Tax but the Tenderer may allow under "Profit" items any profit he considers necessary			
<b><u>CLO</u></b>			
A	Provide the amount of R 100000.00 (One Hundred Thousand Rands) for CLO Salary	Item	100 000.00
<b>Carried to Collection</b>			R
<b>Section No. 2</b> <b>Section No.2- Classroom and Administration Blocks</b> <b>Bill No. 15</b> <b>Provisional Sums</b>			



Bill No. 15

Provisional Sums

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 Section No.2- Classroom and Administration Blocks  
 Bill No. 15  
 Provisional Sums

Bill No	SECTION SUMMARY - Section No.2- Classroom and Administration Blocks	Page No	Amount
1	Alterations	45	
2	Concrete, Formwork and Reinforcement	48	
3	Masonry	51	
4	Waterproofing	52	
5	Roof Coverings	53	
6	Carpentry and Joinery	57	
7	Ceilings, Partitions and Access Flooring	60	
8	Floor Coverings	61	
9	Ironmongery	64	
10	Metalwork	67	
11	Plastering	71	
12	Plumbing and Drainage	75	
13	Glazing	76	
14	Paintwork	80	
15	Provisional Sums	83	
	<b>Carried to Final Summary</b>		
	<b>Section No. 2</b>		
	<b>Section No.2- Classroom and Administration Blocks</b>		R

Section No	<u>FINAL SUMMARY</u>	Page No	Amount
1	Section No.1- Preliminaries and General	41	
2	Section No.2- Classroom and Administration Blocks	84	
	Sub-total		R
	ADD:Contingencies of 5% (Five Percent) to be used as directed by the Principal Agent or deducted in whole or in part if not required.	Item	
	Sub-total		R
	Add Value Added Tax 15% (Fifteen percent)		R
	<b>Carried to Form of Offer and Acceptance</b>		R