

Item No	Quantity	Rate	Amount
<p><u>SECTION NO. 1: PRELIMINARIES</u></p>			
<p><u>BILL NO. 1</u></p>			
<p><u>PRELIMINARIES</u></p>			
<p><u>NOTES TO PRELIMINARIES</u></p>			
<p><u>MEANING OF TERMS "TENDER / TENDERER"</u></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><u>PRELIMINARIES</u></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><u>PRICING OF PRELIMINARIES</u></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><u>SECTION A: JBCC PRINCIPAL BUILDING AGREEMENT</u></p>			
<p>Carried to Collection</p>			
<p>Section No. 1 Bill No. 1 Preliminaries ASBESTOS PROGRAMME</p>			
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DEFINITIONS

A1.0 **DEFINITIONS AND INTERPRETATION**

Clause 1.0

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

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

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

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

Clause 1.1 Definition of "**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 in terms of the legislation of the Republic of South Africa, and in particular:

- (a) in respect of interest owed by the **employer**, the interest rate as determined by the Minister of Justice and Constitutional Development, from time to time, in terms of section 1(2) of the Prescribed Rate of Interest Act, 1975 (Act No. 55 of 1975), will apply; and
- (b) in respect of interest owed to the **employer**, the interest rate as determined by the Minister of Finance, from time to time, in terms of section 80(1)(b) of the Public Finance Management Act, 1999 (Act No. 1 of 1999), will apply.

Clause 1.6.4 is amended by replacing it with the following:

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<p>No clause</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	<p>Item</p>		
<p><u>OBJECTIVE AND PREPARATION</u></p>			
<p>A2.0 OFFER, ACCEPTANCE AND PERFORMANCE</p>			
<p>Clause 2.0</p>			
<p>Fixed: _____ Value related: _____ Time related: _____</p>	<p>Item</p>		
<p>A3.0 DOCUMENTS</p>			
<p>Clause 3.0</p>			
<p>Clause 3.7 is amended by the addition of the following:</p>			
<p>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</p>			
<p>Fixed: _____ Value related: _____ Time related: _____</p>	<p>Item</p>		
<p>A4.0 DESIGN RESPONSIBILITY</p>			
<p>Clause 4.0</p>			
<p>Fixed: _____ Value related: _____ Time related: _____</p>	<p>Item</p>		
<p>A5.0 EMPLOYER'S AGENTS</p>			
<p>Clause 5.0</p>			
<p>Clause 5.1.2 is amended to include clauses 32.6.3, 34.3 and 34.4</p>			
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A6.0 SITE REPRESENTATIVE

Clause 6.0

Fixed: _____ Value related: _____ Time related: _____

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1 A7.0 COMPLIANCE WITH REGULATIONS

Clause 7.0

Note: The provisions herein include *inter alia*, compliance with all the requirements set out in the Construction Regulations, 2014 issued under the Occupational Health and Safety Act, 1993 (Act No 85 of 1993), and in particular with Regulation 5(1) requiring the compilation of a health and safety plan, as well as Regulation 6(1) requiring the appointment of a construction supervisor and appointment of an approved independent Asbestos Inspector

See also clause C10 of Section C - Specific Preliminaries

Fixed: _____ Value related: _____ Time related: _____

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A8.0 WORKS RISK

Clause 8.0

Fixed: _____ Value related: _____ Time related: _____

Item

A9.0 INDEMNITIES

Clause 9.0

Fixed: _____ Value related: _____ Time related: _____

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A10.0 WORKS INSURANCES

Clause 10.0

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

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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

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 neglect of any person for whose actions the **employer** is legally liable

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- (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 neglect 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 and will remain adequately insured or insured against the death of or injury to persons or damage to such property consequent on such removal or interference with the support until such portion of the **works** has been completed
- (f) The **contractor** shall at all times proceed immediately at his own cost to remove or dispose of any debris and to rebuild, restore, replace and/or repair such property and to execute the **works**

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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

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

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

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: _____

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A11.0 LIABILITY INSURANCES

Clause 11.0

Fixed: _____ Value related: _____ Time related: _____

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A12.0 EFFECTING INSURANCES

Clause 12.0

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<p>A13.0 No clause</p> <p>A14.0 SECURITY</p> <p>Clause 14.0</p> <p>Clauses 14.1 - 14.8 are amended by replacing them with the following:</p> <p>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)</p> <p>14.1.1 The payment reduction of the value certified in a payment certificate shall be <i>mutatis mutandi</i> in terms of 31.8(A)</p> <p>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</p> <p>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.</p> <p>14.3 Where security as a cash deposit of ten per cent (10%) of the contract sum (excluding VAT) has been selected:</p> <p>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</p> <p style="text-align: right;">Carried to Collection</p> <p>Section No. 1 Bill No. 1 Preliminaries ASBESTOS PROGRAMME</p>	<p>Item</p>		
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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

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

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

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

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

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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 **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:

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**

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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

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EXECUTION

A15.0 PREPARATION FOR AND EXECUTION OF THE WORKS

Clause 15.0

Clause 15.1.1 is amended by replacing it with:

No Clause

Clause 15.1 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: _____

A16.0 ACCESS TO THE WORKS

Clause 16.0

Fixed: _____ Value related: _____ Time related: _____

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A17.0 CONTRACT INSTRUCTIONS

Clause 17.0

Fixed: _____ Value related: _____ Time related: _____

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A18.0 SETTING OUT OF THE WORKS

Clause 18.0

Fixed: _____ Value related: _____ Time related: _____

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A19.0 ASSIGNMENT

Clause 19.0

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A20.0 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

A21.0 SELECTED SUBCONTRACTORS

Clause 21.0

Clause 21 is amended by replacing it with:

No Clause

Fixed: _____ Value related: _____ Time related: _____

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A22.0 EMPLOYER'S DIRECT CONTRACTORS

Clause 22.0

Fixed: _____ Value related: _____ Time related: _____

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A23.0 CONTRACTOR'S DOMESTIC SUBCONTRACTORS

Clause 23.0

Fixed: _____ Value related: _____ Time related: _____

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COMPLETION

A24.0 PRACTICAL COMPLETION

Clause 24.0

Fixed: _____ Value related: _____ Time related: _____

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A25.0 WORK'S COMPLETION

Clause 25.0

Fixed: _____ Value related: _____ Time related: _____

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A26.0 FINAL COMPLETION

Clause 26.0

Fixed: _____ Value related: _____ Time related: _____

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A27.0 LATENT DEFECTS LIABILITY PERIOD

Clause 27.0

Fixed: _____ Value related: _____ Time related: _____

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A28.0 SECTIONAL COMPLETION

Clause 28.0

Fixed: _____ Value related: _____ Time related: _____

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A29.0 REVISION OF DATE FOR PRACTICAL COMPLETION

Clause 29.0

Fixed: _____ Value related: _____ Time related: _____

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A30.0 PENALTY FOR NON-COMPLETION

Clause 30.0

Fixed: _____ Value related: _____ Time related: _____

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PAYMENT

A31.0 INTERIM PAYMENT TO THE CONTRACTOR

Clause 31.0

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

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A32.0 ADJUSTMENT TO THE CONTRACT VALUE

Clause 32.0

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

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

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A33.0 RECOVERY OF EXPENSE AND LOSS

Clause 33.0

Clause 33.2 is amended by adding the following clauses:

33.2.9 the **contractor's** failure or neglect to commence with the **works** on the dates prescribed in the contract

33.2.10 the **contractor's** failure or neglect to proceed with the **works** in terms of the contract

33.2.11 the **contractor's** failure or neglect for any reason to complete the **works** in accordance with the contract

33.2.12 the **contractor's** refusal or neglect to comply strictly with any of the conditions of contract or any **contract instructions** and/or orders in writing given in terms of the contract

33.2.13 the **contractor's** estate being sequestrated, liquidated or surrendered in terms of the insolvency laws in force within the Republic of South Africa

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A34.0 FINAL ACCOUNT AND FINAL PAYMENT

Clause 34.0

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: _____

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A35.0 PAYMENT TO OTHER PARTIES

Clause 35.0

Fixed: _____ Value related: _____ Time related: _____

Item

CANCELLATION

A36.0 CANCELLATION BY EMPLOYER - CONTRACTOR'S DEFAULT

Clause 36.0

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

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A37.0 CANCELLATION BY EMPLOYER - LOSS AND DAMAGE

Clause 37.0

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

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A38.0 CANCELLATION BY CONTRACTOR - EMPLOYER'S DEFAULT

Clause 38.0

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

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A39.0 CANCELLATION - CESSATION OF THE WORKS

Clause 39.0

Fixed: _____ Value related: _____ Time related: _____

Item

A40.0 DISPUTE SETTLEMENT

Clause 40.0

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

Clause 40.6 is amended by removing the reference to:

No clause

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

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

Fixed: _____ Value related: _____ Time related: _____

Item

SUBSTITUTE PROVISIONS

A41.0 STATE CLAUSES

Clause 41.0

Fixed: _____ Value related: _____ Time related: _____

Item

CONTRACT VARIABLES

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THE SCHEDULE (DPW04EC)

A42.0 PRE-TENDER INFORMATION

Clause 42.0

Tenderers are referred to the Contact Variables and Notes to Tenderers (EC) for variables pertaining to this contract

Fixed: _____ Value related: _____ Time related: _____

Item

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SECTION B: JBCC PRELIMINARIES

B1.0 DEFINITIONS AND INTERPRETATION

B1.1 Definitions and interpretation

Fixed: _____ Value related: _____ Time related: _____

Item

B2.0 DOCUMENTS

B2.1 Checking of documents

Fixed: _____ Value related: _____ Time related: _____

Item

B2.2 Provisional bills of quantities

Fixed: _____ Value related: _____ Time related: _____

Item

B2.3 Availability of construction documentation

Fixed: _____ Value related: _____ Time related: _____

Item

B2.4 Interests of agents

Fixed: _____ Value related: _____ Time related: _____

Item

B2.5 Priced documents

Fixed: _____ Value related: _____ Time related: _____

Item

B2.6 Tender submission

Clause 2.6 is amended by replacing "JBCC Form of Tender" with "Form of Offer and Acceptance (DPW07)"

Fixed: _____ Value related: _____ Time related: _____

Item

B3.0 THE SITE

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<p>B3.1 Defined works area</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item		
<p>B3.2 Geotechnical investigation</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item		
<p>B3.3 Inspection of the site</p> <p>Tenderers shall complete the Site Inspection Certificate (DW16 EC) included in the tender documents and return the same with the tender submission.</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item		
<p>B3.4 Existing premises occupied</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item		
<p>B3.5 Previous work - dimensional accuracy</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item		
<p>B3.6 Previous work - defects</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item		
<p>B3.7 Services - known</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item		
<p>B3.8 Services - unknown</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item		
<p>B3.9 Protection of trees</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item		
<p>Carried to Collection</p>			R
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<p>B3.10 Articles of value</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	<p>Item</p>		
<p>B3.11 Inspection of adjoining properties</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	<p>Item</p>		
<p>B4.0 MANAGEMENT OF CONTRACT</p>			
<p>B4.1 Management of the works</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	<p>Item</p>		
<p>B4.2 Programme for the works</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	<p>Item</p>		
<p>B4.3 Progress meetings</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	<p>Item</p>		
<p>B4.4 Technical meetings</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	<p>Item</p>		
<p>B4.5 Labour and plant records</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	<p>Item</p>		
<p>B5.0 SAMPLES, SHOP DRAWINGS AND MANUFACTURERS' INSTRUCTIONS</p>			
<p>B5.1 Samples of materials</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	<p>Item</p>		
<p style="text-align: center;">Carried to Collection</p>			<p style="text-align: center;">R</p>
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<p>B5.2 Workmanship samples</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	<p>Item</p>		
<p>B5.3 Shop drawings</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	<p>Item</p>		
<p>B5.4 Compliance with manufacturers' instructions</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	<p>Item</p>		
<p>B6.0 TEMPORARY WORKS AND PLANT</p>			
<p>B6.1 Deposits and fees</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	<p>Item</p>		
<p>B6.2 Enclosure of the works</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	<p>Item</p>		
<p>B6.3 Advertising</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	<p>Item</p>		
<p>B6.4 Plant, equipment, sheds and offices</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	<p>Item</p>		
<p>B6.5 Main notice board</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	<p>Item</p>		
<p>B6.6 Subcontractors' notice board</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	<p>Item</p>		
<p>B7.0 TEMPORARY SERVICES</p>			
<p style="text-align: right;">Carried to Collection</p>			<p>R</p>
<p>Section No. 1 Bill No. 1 Preliminaries ASBESTOS PROGRAMME</p>			

<p>B7.1 Location</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item		
<p>B7.2 Water</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item		
<p>B7.3 Electricity</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item		
<p>B7.4 Telecommunication facilities</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item		
<p>B7.5 Ablution facilities</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item		
<p>B8.0 PRIME COST AMOUNTS</p>			
<p>B8.1 Responsibility for prime cost amounts</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item		
<p>B9.0 ATTENDANCE ON N/S SUBCONTRACTORS</p>			
<p>B9.1 General attendance</p> <p>The schedule rates providing for attendance on nominated subcontractors and other contractors, will be adjusted only if the scope of the work has changed.</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item		
<p>Carried to Collection</p>		R	
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<p>B9.2 Special attendance</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item		
<p>B9.3 Commissioning - fuel, water and electricity</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item		
<p>B10.0 FINANCIAL ASPECTS</p>			
<p>B10.1 Statutory taxes, duties and levies</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item		
<p>B10.2 Payment for preliminaries</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item		
<p>B10.3 Adjustment of preliminaries</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item		
<p>B10.4 Payment certificate cash flow</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item		
<p>B11.0 GENERAL</p>			
<p>B11.1 Protection of the works</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item		
<p>B11.2 Protection / isolation of existing / sectionally occupied works</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item		
<p>Carried to Collection</p>			<p>R</p>
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<p>B11.3 Security of the works</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	<p>Item</p>		
<p>B11.4 Notice before covering work</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>			
<p>B11.5 Disturbance</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>			
<p>B11.6 Environmental disturbance</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>			
<p>B11.7 Works cleaning and clearing</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>			
<p>B11.8 Vermin</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>			
<p>B11.9 Overhand work</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>			
<p>B11.10 Instruction manuals and guarantees</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>			
<p>B11.11 As built information</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>			
<p>Carried to Collection</p>		<p>R</p>	
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B11.12 Tenant installations

Fixed: _____ Value related: _____ Time related: _____

Item

B12.0 SCHEDULE OF VARIABLES

B12.1 Pre-tender information

Fixed: _____ Value related: _____ Time related: _____

Item

This **schedule** contains all variables referred to in this document and is divided into pre-tender and post-tender categories. The pre-tender category must be completed in full and included in the tender documents. Both the pre-tender and post-tender categories form part of these **Preliminaries**.

Spaces requiring information must be filled in, shown as “not applicable” or deleted and not left blank. Where choices are offered, the non-applicable items are to be deleted. Where insufficient space is provided the information should be annexed hereto and cross-referenced to the applicable clause of the **schedule**. Key cross reference clauses are italicised in [] brackets

12.1 PRE TENDER INFORMATION

12.1.1 Provisional Bills of Quantities

[2.2] *The quantities are provisional*
No

12.1.2 Availability of construction documentation

[2.3] *Construction documentation is complete*
Yes

12.1.3 Interests of agents

[2.4] Details:
Nil

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12.1.4 **Defined works area**

[3.1] Details:

The work area will be pointed out by the principal agent to the contractor who will sign a written acknowledgement therefor before commencing operations.

12.1.5 **Geotechnical investigation**

[3.2] Details:

A preliminary geotechnical assessment has been carried out by the geotechnical engineer and is summarised below..

*Extensive and active residual dolerite underlie the site.
Deep silty and silty clay (2 - 2.5m below egl).*

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12.1.6 **Existing premises occupied**

[3.4] Specific requirements:

Not applicable.

12.1.7 **Previous work - dimensional accuracy**

[3.5] Details:

Not applicable.

12.1.8 **Previous work - defects**

[3.6] Details:

12.1.9 **Services - known**

[3.7] Details:

*Should the **contractor** encounter any existing services such as underground cables, pipes or sewer during the execution of the **works** he shall notify the **principal agent** immediately and suspend all affected work in the immediate vicinity until instruction to proceed has been given by the **principal agent**.*

12.1.10 **Protection of trees**

[3.9] Specific requirements:

Only those trees and shrubs indicated as such on the drawings shall be removed or cut back. The remainder of the trees and shrubs shall be left undamaged.

12.1.11 **Inspection of adjoining properties**

[3.11] Specific requirements:

*The **contractor** shall make his own arrangements with owners of adjoining properties in order to execute the **works**.*

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12.1.12 **Enclosure of the works**

[6.2] Specific requirements:

*The **contractor** shall provide, erect, alter as necessary, maintain, remove and make good on completion of the works suitable hoardings, complete with gantries, fans, safety screens, barriers, guard railing, access gates, covered gangways, steel sections at crane lifts, splayed corners, returned ends, etc. as indicated on the drawings and as necessary for the enclosure of the **works** and the protection of the public, all to the satisfaction of **principal agent** and the Local Authority.*

12.1.13 **Offices**

[6.4.3] Specific requirements:

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

12.1.14 Main notice board

[6.5] Specific requirements:

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

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<p>12.1.15 Subcontractors' notice board [6.6] Specific requirements:</p>	<p>No</p>		
<p>12.1.16 Water [7.2] Option A (by contractor)</p>	<p>Yes</p>		
<p>12.1.17 Electricity [7.3] Option A (by contractor)</p>	<p>Yes</p>		
<p>12.1.18 Telecommunications</p>			
<p>[7.4] Telephone</p>	<p>Yes</p>		
<p>Facsimile</p>	<p>Yes</p>		
<p>E-mail</p>	<p>Yes</p>		
<p>12.1.19 Ablution facilities</p>			
<p>[7.5] Option A (by contractor)</p>	<p>Yes</p>		
<p>12.1.20 Protection of existing/sectionally occupied works</p>			
<p>[11.2] Protection is required</p>	<p>No</p>		
<p>12.1.21 Special attendance</p>			
<p>[9.2] Subcontractors (1) details:</p>			
<p>Subcontractors (2) details:</p>			
<p>Subcontractors (3) details:</p>			
<p>Subcontractors (4) details:</p>			
<p>12.1.22 Protection of works</p>			
<p>[11.1] Specific requirements:</p>			
<p>Carried to Collection</p>			
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12.1.23 **Disturbance**

[11.5] Specific requirements:

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

12.1.24 **Environmental disturbance**

[11.6] Specific requirements:

12.2 **POST-TENDER INFORMATION**

12.2.1 **Payment of preliminaries**

[10.2] Option A (pro-rated)

(Yes/No)

Option B (calculated)

(Yes/No)

12.2.2 **Adjustment of preliminaries**

[10.3] Option A (three categories)

(Yes/No)

Option B (detailed breakdown)

(Yes/No)

12.2.3 **Additional agreed preliminaries items**

Details:

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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

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

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: _____

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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: _____

Item

C4 IMPORTED MATERIALS AND EQUIPMENT

Where imported items are listed in the tender documents, the tenderer shall provide all the information called for, failing which the price of any such item, materials or equipment shall be excluded from currency fluctuations. (refer to Schedule of Imported Materials and Equipment (DPW23EC) to be completed by tenderer)

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

Fixed: _____ Value related: _____ Time related: _____

Item

C5 - C9 SECURITY CLAUSES

Clause C5 - C9: Viewing of site in security areas, commencement of work in security areas, entrance permits to security areas, security check on personnel, prohibition on taking photographs are not applicable.

Fixed: _____ Value related: _____ Time related: _____

Item

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C10 HIV/AIDS AWARENESS

It is required of the **contractor** to thoroughly study the HIV/AIDS Specification (PW1544) 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 of "Section 1: Preliminaries (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.

C10.1 AWARENESS CAMPAIGN

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

Fixed: _____ Value related: _____ Time related: _____

Item

C10.2 AWARENESS WORKSHOPS

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

Fixed: _____ Value related: _____ Time related: _____

Item

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C10.3 POSTERS, BOOKLETS, VIDEOS, ETC.

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

Fixed: _____ Value related: _____ Time related: _____

Item

C10.4 ACCESS TO CONDOMS

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

Fixed: _____ Value related: _____ Time related: _____

Item

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

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CONTRACT VARIABLES

THE SCHEDULE

Information necessary for completion of those clauses contained in the schedule which are necessary for tender purposes is given hereunder.

41.0 PRE-TENDER INFORMATION

41.1 CONTRACTING AND OTHER PARTIES

41.1.1 **Employer:** *Development Bank of Southern Africa*

Postal address: *PO Box 1234
Halfway House
Code: 1635*

Tel: *(011) 313 3911* Fax: *(101) 313 3500*

[1.2] Physical address:

41.1.2 **Principal Agent:**
[5.1] Physical address:

Tel:

41.1.3 **Agent (1) :**
[5.2] **Agent's** service:
Physical address:

Tel:

41.1.4 **Agent (3) :**
[5.2] **Agent's** service:

Tel: Fax:

41.1.5 **Agent (4) :**
[5.2] **Agent's** service:
Postal address: :

Tel: Fax:

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41.1.6 **Agent (5) :**
[5.2] **Agent's** service:
Postal address:
Tel: Fax:

41.2 **CONTRACT DETAILS**

41.2.1 **Works** description :

The Works comprises of the construction of:

Financial Department Offices; Electrical installation, Mechanical Installation ; Security fencing ; Siteworks including bulk earthworks, Roads and Parking

41.2.2 **Site** description :

Grassed, very gently sloping site

Refer to clause 7 of the "Notes To Tenderers" for location

41.2.3 Work or installations by **direct contractors** :
[22.2]

N/A

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41.2.4 Specific options that are applicable to a **State organ**
[41.0] only

Where so:

[31.11.2#] (1) Interest rate legislation
Will be in terms of the legislation of the Republic of South Africa

[11.2#] (2) Lateral support insurance to be effected by the **contractor**
Yes

[31.4.2#] (3) Payment will be made for **materials and goods**
Yes

[40.2.2#] (4) Dispute resolution by litigation
Yes

[26.1.2#] (5) Extended **defects** liability period applicable to the following elements:

41.2.5 Possession of the **site** is intended to be given on
[15.2.1#]

To be announced

41.2.6 Period for the commencement of the **works** after the
[15.3] **contractor** takes possession of the **site**:
Five Working days

41.2.7 For the **works** as a whole:

[24.3.1] The date for **practical completion**:
11 Months after date of acceptance of tender inclusive of all statutory and builders holidays

[30.1] The **penalty** per **calender day**:
0,05 Percent of the contact sum (inclusive of VAT) per calender day

or

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41.2.8 For the **works** in sections:

Section 1

[24.3.1] The date for **practical completion**:

[28.1] The **penalty** per **calender day**:

Section 2

[24.3.1] The date for **practical completion**:

[28.1] The **penalty** per **calender day**:

Section 3

[24.3.1] The date for **practical completion**:

[28.1] The **penalty** per **calender day**:

41.2.9 The **law** applicable to this **agreement** shall be that of

[1.2] *South Africa*

41.3 **INSURANCES**

41.3.1 Contract works insurance to be effected by [10.1#, 10.2#, 12.1#] **Contractor**

For the sum of **Contract sum** plus 18 percent

With a deductible of
To be paid by the contactor in any event

41.3.2 Supplementary insurance is required [10.1#, 10.2#, 12.1#] *Yes, SASRIA by the contractor*

41.3.3 Public liability insurance to be effected by [11.1#, 12.1#] **Contractor**

For the sum of
R 10,000,000.00 (Ten Million Rand)

With a deductible of
To be paid by the contactor in any event

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41.3.4 Support insurance to be effected by
[11.1#, 12.1#] *Not Applicable*

For the sum of

With a deductible of

41.4 **DOCUMENTS**

42.4.1 Waiver of the contractor's lien or right of
continuing possession is require
[3.3, 15.1.3, 31.16.2#]
Yes

42.4.2 Construction document copies to be supplied to
the
[3.7] **contractor** free of charge
3 copies

42.4.4 On acceptance of the tender the **bills of
quantities** is
[15.1.1] to be submitted within **working days**
5 (Five)

42.4.5 **JBCC** Engineering General Conditions are to be
[3.4] included in the **contract documents**
Not applicable

42.4.6 The contract value is to be adjusted using
CPAP
[31.5.3] indices
Yes

[32.13] Where **CPAP** is to be used, base month is
November 2005

Alternative Indices (if applicable)

42.4.7 Details of changes made to the provisions of
JBCC
[3.10] standard documentation

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42.4.8 Clause A31 has been amended to read that
payment
[A31] be made within 30 days.

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Item No	<u>SECTION NO. 2: WORKS TO EXISTING BLOCKS</u>	Quantity	Rate	Amount
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	<u>ALTERATIONS</u>			
	<p>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</p> <p>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</p>			
	<u>TEMPORARY BARRIERS, SCREENS, ETC</u>			
	<u>Temporary barriers, screens, etc including removal</u>			
1	Hoarding 2100mm high formed of suitable timber framing with 0,58mm corrugated iron sheet nailed on	m	358	
	<u>REMOVAL OF EXISTING CONCRETE WORK</u>			
	<u>Breaking up and removing reinforced concrete including cutting off and removing reinforcement</u>			
2	Surface beds, slabs, etc	m3	44	
	<u>REMOVAL OF EXISTING BLOCKWORK</u>			
	<u>Breaking down and removing brickwork etc</u>			
3	One Brick walls	m2	50	
4	One Brick walls in beamfilling	m2	167	
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	Section No. 2 Bill No. 1 Alterations (Provisional) ASBESTOS PROGRAMME			

**REMOVAL OF EXISTING DOORS, WINDOWS,
ETC. FROM BRICKWORK**

**Taking out and removing doors, windows, etc
including thresholds, sills, etc from block work to be
demolished**

5	Timber single door and frame not exceeding 2.5m2	No	12
6	Glazed metal window not exceeding 2.5m2	No	52

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REMOVAL OF EXISTING ROOF COVERINGS

Taking down and removing asbestos roof coverings not exceeding 50 degrees complete with ridge and hip capping, fittings, flashing, etc, and dispose off site by an approved specialist

7	Asbestos roof sheeting and timber purlins	m2	2,008
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REMOVING OF EXISTING TIMBER ROOF STRUCTURE

Taking down and removing timber roof structure

8	Timber roof structure complete including trusses, permanent bracing, gangboarding, purlins etc.	m2	1,680
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REMOVING OF EXISTING ROOF COVERING SUNDRIES

Taking down and removing sundry roof items

9	Fibre cement or timber fascias barge boards	m	541
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ASBESTOS PROGRAMME

REMOVAL OF EXISTING JOINERY

Taking out and removing joinery fittings, etc

10	Chalkboard and frame, not exceeding 2.5m ² , from brickwork, including good to plaster, facebrick, etc	No	29
11	Pinning board and frame, not exceeding 2.5m ² , from brickwork, including making good to plaster, facebrick, etc	No	10

REMOVING OF EXISTING CEILINGS, PARTITIONING AND FLOORING

Taking down and removing ceilings, partition, and flooring, etc

12	Gypsum plasterboard or fibre cement ceiling including cornices, cover strips, timber brandering, etc	m ²	1,092
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REMOVAL OF EXISTING FLOOR COVERINGS

Taking up and removing vinyl floor coverings, carpeting, etc

13	Vinyl sheet or tile floor covering including preparing screed for new vinyl floor covering (elsewhere measured)	m ²	728
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REMOVING OF EXISTING IRONMONGERY

Taking out and removing ironmongery, lockers, blinds, etc

14	Mortice lock and furniture from timber door and steel frame	No	22
15	Toilet roll holder including making good to plaster or tilling, etc	No	10

REMOVAL OF EXISTING PLASTERING

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Hacking up or off and removing granolithic, screeds, plaster, etc from concrete or brickwork and preparing surfaces for new finishes (elsewhere measured)

16	Internal plaster from walls, columns and beams	m2	125
17	25mm Screed from floors	m2	1,120

REMOVAL OF EXISTING RAINWATER GOODS

Taking off and removing piping, gutters, etc and making good wall finishes (making good paintwork elsewhere measured)

18	Asbestos eaves gutter and brackets	m	61
19	Asbestos rainwater pipes and holder bats	m	59

REMOVAL OF SANITARY FITINGS

20	Vitreous china wash hand basin	No	2
21	Vitreous china WC pan with cistern and flush pipe	No	4
22	Vitreous china wall hung urinal with flush valve and flush pipe	No	5

REMOVAL OF EXISTING GLAZING

Taking out and removing glass and mirrors

23	Glass from steel window including cleaning out rebates and preparing for new glass (elsewhere measured) ?????	m2	129
24	Rake out glazing putty, prepare rebates and re-putty	m	368

PREPARATORY WORK TO EXISTING CONCRETE SURFACES

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<u>Preparation to existing surfaces</u>		
25	Clean existing walls using a water pressure cleaning system and steel brushes and remove all dirt and loose particles.	m2 1,865
<u>MAKING GOOD OF FINISHES ETC</u>		
26	Making good defects in existing screeded floors with pavelite	m2 525
<u>Making good cement screeds</u>		
27	23mm Thick on floors in patches	m2 612
<u>Making good internal cement plaster</u>		
28	Chase out plaster cracks to form recess 200mm wide and 20mm deep and fill with 4:1 cement mortar on and including galvanised bird wire and floating up smooth to match existing	m 125
<u>SERVICING OF EXISTING IRONMONGERY</u>		
29	Service existing mortice lock, oil and ease furniture and lock, replace missing keys, and refix with matching screws including re-setting striking plate	No 4
<u>SERVICING OF EXISTING METAL WORK</u>		
<u>Service existing steel windows</u>		
30	Overhaul, adjust and service opening sections ensure proper operation	No 116
31	Extra on servicing existing steel window sash for supply and fitting new handle	No 116
32	Extra on servicing existing steel window sash for supply and fitting new sliding stay	No 116

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	<u>BILL NO. 2</u>			
	<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>			
	<p>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</p> <p>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</p>			
	<u>REINFORCED CONCRETE</u>			
	<u>25MPa/19mm concrete</u>			
1	Surface beds cast in panels on waterproofing	m3	34	
	<u>TEST BLOCKS</u>			
2	Allow for all necessary concrete test cubes size 150 x 150 x 150mm cast from batches of concrete required for the entire contract as specified, made, stored, cured and tested in accordance with SABS Methods 861 and 863, including use of approved cube moulds, transporting to an approved testing laboratory for testing, paying all charges and submitting reports to the Principal Agent	No	6	
	<u>CONCRETE SUNDRIES</u>			
	<u>Finishing top surfaces of concrete smooth with a steel trowel</u>			
3	Surface beds, slabs, etc	m2	780	
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	Section No. 2 Bill No. 2 Concrete, Formwork and Reinforcement ASBESTOS PROGRAMME			

4	Surface beds, slabs, etc to falls	m2	28
<p><u>SMOOTH FORMWORK (DEGREE OF ACCURACY II)</u></p> <p><u>Class F2 smooth formwork to sides</u></p>			
5	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	59

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Concrete, Formwork and Reinforcement
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MOVEMENT JOINTS ETC

Expansion joints with bitumen impregnated softboard between vertical concrete surfaces

6	12mm Joints not exceeding 300mm high (Provisional)	m	78
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Saw cut joints

7	6 x 10mm Saw cut joints in top of concrete	m	54
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Fabric reinforcement

8	Type 395 fabric reinforcement in concrete surface beds, slabs, etc	m2	780
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Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 3</u></p> <p><u>MASONRY</u></p> <p>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</p> <p>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</p>			
	<p><u>SUPERSTRUCTURE</u></p> <p><u>Brickwork of NFP bricks in class II mortar</u></p>			
1	Half brick walls	m2	58	
2	Half brick walls in beamfilling	m2	167	
3	One brick walls	m2	75	
	Carried to Collection			R
	<p>Section No. 2 Bill No. 3 Masonry ASBESTOS PROGRAMME</p>			

BRICKWORK SUNDRIES

Brickwork reinforcement

4	75mm Wide reinforcement built in horizontally	m	549
5	150mm Wide reinforcement built in horizontally	m	183

Prestressed fabricated lintels

6	110 x 70mm Lintels in lengths not exceeding 3m long	m	16
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Galvanised hoop iron cramps, ties, etc:

7	30 x 1.6mm Roof tie 1,5m long with one end built 6 courses into brickwork and other end wrapped around and spiked to timber rafters.	No	280
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Air bricks etc

8	229 x 152mm Terracota vermin proof air brick	No	8
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FIBRE-CEMENT WINDOW SILLS

'Everite Nutec' fibre cement cills or other approved complete with fixing lugs and self tapping screws:

9	150 x 15mm Wide sills set flat and slightly projecting	m	125
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Masonry

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Item No		Quantity	Rate	Amount
	<u>BILL NO. 4</u>			
	<u>WATERPROOFING</u>			
	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			
	<u>DAMP PROOFING OF WALLS AND FLOORS</u>			
	<u>One layer of 375 micron embossed damp proof course</u>			
1	In walls	m2	33	
	<u>One layer of 250 micron waterproof sheeting sealed at laps with tape</u>			
2	Under surface beds	m2	780	
	<u>JOINT SEALANTS, ETC.</u>			
	<u>Silicone sealing compound</u>			
3	"Bostik" silicone sealant applied with a pressure caulking gun sealing around metal window and timber door frames	m	105	
	<u>Two-part grey polysulphide sealing compound including backing cord, bond breaker, primer, etc</u>			
4	12 x 12mm In expansion joints in floors or walls including raking out expansion joint filler as necessary (Provisional)	m	113	
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	Section No. 2 Bill No. 4 Waterproofing ASBESTOS PROGRAMME			

Item No		Quantity	Rate	Amount
	<p><u>BILL NO.5</u></p> <p><u>ROOF COVERINGS</u></p> <p>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</p> <p>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</p>			
	<p><u>PROFILED METAL SHEETING AND ACCESSORIES</u></p> <p><u>Global Roofing Solutions 0.53mm thick 700mm cover Klip-Tite™ profile roll-formed in continuous lengths from Clean Colorbond® Ultra AZ200 spelter G550 “Durable Cream” finish top coat and Shadow Grey backing coat roof sheeting or IBR colour plus. fixed to treated 38 x 56mm SA Pine timber intermediate purlins at max. 2300mm c/c and eaves and ridge purlins at max. 1900mm c/c using KL700 plus clips fixed with 10No.11 x 45mm long self-drilling wafer head PH2 screws, type 17 drill point fasteners, all in accordance with the manufacturer's specifications by a GRS approved contractor.</u></p>			
1	Roof covering with pitch not exceeding 25 degrees	m2	2,008	
2	Ridge capping 450mm girth	m	279	
3	Broad flute serrated poly ridge closers	m	140	
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	<p>Section No. 2 Bill No. 5 Roof Coverings ASBESTOS PROGRAMME</p>			

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	<u>BILL NO. 6</u>			
	<u>CARPENTRY & JOINERY</u>			
	<p>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</p> <p>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</p>			
	<u>ROOF CONSTRUCTION</u>			
	<u>Plate nailed timber roof truss construction</u>			
	<p>The following is applicable in respect of roof trusses:</p> <p>Trusses are at maximum 1200mm centres Roof covering is IBR roof sheeting on 50 x 76mm timber purlins. The dimensions in the descriptions of the trusses are nominal and actual measurements are to be obtained from the Architect and/or the site before design or fabrication commences</p>			
	<u>Wrought treated softwood grade 4</u>			
1	38 x 114mm Wall plates	m	558	
2	38 x 114mm Longitudinal bracing	m	176	
3	38 x 114mm Cross bracing	m	135	
4	50 x 76mm Purlins	m	3,348	
5	76 x 75mm Splayed purlins	m	558	
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	<p>Section No. 2 Bill No. 6 Carpentry and Joinery ASBESTOS PROGRAMME</p>			

6	50 x 76mm Trimmers	m	385
	<u>Prefabricated roof trusses etc</u>		
	<u>The following in plate nailed timber roof trusses with a pitch not exceeding 27.5 degrees, from an approved supplier, delivered to site, hoisted into position, fixed and braced on timber wall plates</u>		
7	Prefabricated double pitched roof trusses approximately 8m span x 1,7m high extreme spaced not exceeding 1,2m centres, approximately 3m above ground level	No	140
	<u>Sundries</u>		
8	Wrought faces on sawn timbers	m2	50
9	"Teco" two way hurricane clips	No	1,361
10	4mm Diameter roof tie 2m girth bent double with one end fixed to timber and other end built into brickwork	No	140

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Carpentry and Joinery
ASBESTOS PROGRAMME

EAVES, VERGES, ETC.

"Everite FC77" pressed fibre-cement

11	10 x 225mm Fascias, including galvanised steel H-profile joiners fixed to timber	m	279
12	10 x 80 x 260mm L-shaped barge boards including galvanised steel H-profile jointing strips	m	192

DOORS ETC

TIMBER DOORS AS TDM OR SIMILAR APPROVED

Note:

All framed and ledged batten doors and combination doors, where battens are utilised, shall only be of constriction acceptable to the Department, i.e. mortice and tenon where is exposed on the outside edge of stiles and where the tenon is wedged to form a dovetailed shape

"Meranti" doors formed 40 x 110mm stiles and top rail, 20 x 150mm ledge and 20 x 110mm braces and 20 x 225mm bottom ledge, filled in flush on outer face with 20 x 75mm V-jointed vertical boarding, top rail and door hung to door frame

13	44mm Framed, ledged and braced batten door 813 x 2032mm high formed of 44 x 85mm top rail and stiles, 18 x 95mm middle ledge and braces and 18 x 95mm bottom ledge filled in on one side with 22mm V-jointed one side vertical boarding	No	29
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Carpentry and Joinery
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FLUSH DOORS

Solid chipcore flush doors with commercial veneer covering on both sides and hardwood edge strips hung to steel frames

14	44mm Flush panel door size 813 x 1750mm high faced with veneered faces with hardwood edge strips suitable for painting.	No	15
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FRAMED FRAMES ETC

Hardwood timber frames

15	90 x 70mm Rebated Frame for 813 x 2032mm high door including setting up and building into new wall	No	15
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SKIRTINGS

Wrot red meranti

16	19 x 69mm Angle rounded skirting fixed to walls with steel nails at 600mm centres including matching 19mm quadrant bead planted on.	m	928
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	<p><u>BILL NO. 8</u></p> <p><u>CEILING, PARTITIONS & ACCESS FLOORING</u></p> <p>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</p> <p>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</p>			
	<p><u>CEILING ETC</u></p> <p><u>NAILED UP CEILING</u></p> <p><u>6,5mm "Rhino" gypsum plasterboard with H-type pressed steel jointing strips</u></p>			
1	Ceilings including 38 x 50mm sawn softwood bandering at 500mm centres in one direction	m2	1,820	
	<p><u>Trapdoors</u></p>			
2	Extra over ceiling for 600 x 600mm trap door of 32 x 44mm wrought hardwood rebated framing and 38 x 114mm sawn softwood kerb spiked to rafters, etc., and filled in with matching ceiling board in opening.	No	29	
	<p><u>"Everite Nucornice" gypsum plasterboard cornices:</u></p>			
3	75mm Coved cornices mitred at corners, with splayed heading joints and bed in "Rhinobed" gypsum plaster and spiked to branders.	m	985	
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	Bill No. 7			
	Ceilings, Partitions and Access Flooring			
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Item No	<u>BILL NO .9</u>	Quantity	Rate	Amount
	<u>FLOOR COVERINGS, PLASTIC LININGS, ETC</u>			
	<p>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</p> <p>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</p> <p><u>Specialists The floor coverings, plastic linings, etc. are to be laid by an approved firm of Specialists, who shall inspect, approve and accept the screeds, etc., before beginning with the work.</u></p>			
	<u>FLOOR COVERINGS</u>			
	<u>VINYL FLOOR COVERINGS, WALL LININGS, ETC.</u>			
	<p><u>300 x 300 x 2,5mm Thick "FloorworX Superflex" fully flexible, or equal approved, vinyl floor tiles of selected colour and pattern, laid with close butt, continuous joints, laid in "FloorworX No. 60 Plus" acrylic adhesive spread with a notched trowel on 1:3 cement screed with a hygrometer reading showing a moisture content of less than 70% and rolled with a 68kg three section metal roller on completion.</u></p>			
1	On smooth screeded floors.	m2	1,820	
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	<p>Section No. 2 Bill No. 8 Floor Coverings ASBESTOS PROGRAMME</p>			

POLISH, SEALERS, ETC.

Clean by stripping and sealing and apply three coats water based copolymer emulsion or other approved sealer:

2	On vinyl flooring.	m2	1,820
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Floor Coverings

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Item No		Quantity	Rate	Amount
	<p><u>BILL NO.9</u></p> <p><u>IRONMONGERY</u></p> <p>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</p> <p>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</p>			
	<p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Fixing</u> All ironmongery is fixed to timber unless otherwise noted.</p> <p><u>LOCKS</u></p> <p><u>"Union"</u></p> <p>The following locks are to be suitable for master key operation</p>			
1	"2277-78SS" Four lever lock with "CZ682-24SC" gower furniture keyhole	No	34	
	<p><u>"Union" or equal approved</u></p>			
2	"Ref AL5066-E06/2AS" Engraved plate, fire extinguisher, fire hose reel exit plate etc	No	29	
	<p><u>SUNDRIES</u></p>			
3	"87001SS" Floor door stop	No	34	
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	<p>Section No. 2 Bill No. 9 Ironmongery ASBESTOS PROGRAMME</p>			

4	"Solid Art 250" Coat hook	No	29
<u>PINNING BOARDS, WRITING BOARDS, PROJECTION SCREENS, ETC</u>			
<u>"Vitrex System"</u>			
5	"Vitrex System Reference 1009" or similar approved chalkboard size 2400 x 1140mm high complete with chalk rail and fixing to walls	No	29
6	2400mm x 1250mm High Pinning board, as per detail, mounted to wall with 6 x 57mm Hilti HPS-1 6/30 plastic anchors at maximum 400mm centres	No	32
<u>LOCKERS</u>			
7	1800 high x 900 wide x 450mm deep Steel cupboard (Code CU10 as by Insight, or similar approved), complete with four shelves, double lockable doors and powder coated finish. Steel cupboard to be bolted to back wall with 4 x 6mm expansion bolts.	No	29

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Item No		Quantity	Rate	Amount
	<p><u>BILL NO.10</u></p> <p><u>METALWORK</u></p> <p>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</p> <p>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</p>			
	<p><u>HOT DIPPED GALVANIZED STEEL WINDOWS, DOORS, ETC.</u></p> <p><u>Standard industrial windows with hot dipped galvanised steel flat bars 20 x 5mm thick to opening sections including all necessary ironmongery factory fitted:</u></p>			
1	Window type SS33, 987 x 1445mm high (W1).	No	32	
2	Window type SS33, 987 x 987mm high (W2).	No	20	
	Carried to Collection			R
	<p>Section No. 2 Bill No. 10 Metalwork ASBESTOS PROGRAMME</p>			

WELDED GALVANISED POSTS, GATES, ETC.

The following in galvanised mild steel security gates:

3 Single gate size 843 x 2250mm high of 40 x 60 x 3mm rectangular tubing with 19mm diameter steel rods at 110mm centre and 40 x 6mm horizontal support flatbars fixed with hinges to steel frame of 45 x 45 x 3mm rectangular tubing fixed to walls with bolts and lugs including padlock plate

No

29

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 Bill No. 10
 Metalwork
 ASBESTOS PROGRAMME

Section No. 2

Bill No. 10

Metalwork

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Bill No. 10

Metalwork

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Item No		Quantity	Rate	Amount
<u>BILL NO.11</u>				
<u>PLASTERING</u>				
<p>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</p> <p>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</p>				
<u>INTERNAL PLASTER</u>				
<u>Cement plaster steel trowelled, on brickwork</u>				
1	On internal walls	m2	295	
2	On internal narrow widths.	m2	41	
Carried to Collection				R
Section No. 2 Bill No. 11 Plastering ASBESTOS PROGRAMME				

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Plastering

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Bill No. 11

Plastering

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Item No		Quantity	Rate	Amount
	<u>BILL NO. 12</u>			
	<u>PLUMBING & DRAINAGE (PROVISIONAL)</u>			
	<u>RAINWATER DISPOSAL</u>			
	<p>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</p> <p>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</p>			
	<u>Seamless Aluminium:</u>			
1	Ogee profile Colorbond pre-coated Zinalume seamless gutter, size 125 x 85 x 0,5mm thick in colour Armour Grey including matching rivet-fixed mitres and end caps internally sealed using Silicon Mastic, hung by nail fixed internal aluminium hangers at 800mm centres	m	279	
2	Extra over for eaves gutter stop ends	No	16	
3	Extra over eaves for angles	No	8	
	<u>Aluminum pipes:</u>			
4	100 x 75mm fluted aluminium downpipes with white baked enamel finish	m	158	
5	Extra over for rainwater downpipe for shoes and bends	No	16	
	<u>SANITARY FITTINGS</u>			
	Carried to Collection			R
	Section No. 2 Bill No. 12 Plumbing and Drainage (Provisional) ASBESTOS PROGRAMME			

"Vaal"

6 "Hibiscus" white vitreous china closed coupled W.C. suite colour white 90 degree outlet open rim pan (Code: 772656) and matching 6/3 litre top dual flush vandal proof cistern (Code: 710740) including lid, jazz toilet seat and lid (Code: 8531Z0)

No 8

7 White glazed fireclay drop-in vanity basin or other approved size 595 x 455 x 205mm complete with waste union, plug, chain, overflow tube, etc and fixing on top of timber fitting (elsewhere measured)

No 8

8 "Vaal" sanitaryware flatback white vitreous bowl urinal size 415 x 275 x 315mm (Code: 705326) including 38mm chromium plated domical grating (code: 8787Z0), chromium plated top inlet spreader (code: 8543Z0), flushvalve Cobra FJ 6000 and flush pipe (Cobra FJT5.5) and fixed to wall with two hanger brackets (code: 8127Z0).

No 5

WASTE UNIONS ETC**"Isca"**

9 32mm chrome plated slotted basin sink clicker waste (code:5540/CH).

No 8

TRAPS ETC**uPVC**

10 110mm straight outlet with "P" or "S" bend trap

No 4

"Cobra Watertech"

11 32 mm chrome plated bottle trap (code:340P) with 75mm deep re-seal, adjustable telescopic pipe, high specification polymer blend body component and 32mm outlet, complete with chrome tail pipe (code: C-342/1) and wall flange (code: C-342/3)

No 2

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Bill No. 12

Plumbing and Drainage (Provisional)

ASBESTOS PROGRAMME

27	<p><u>"Chubb" or similar approved.</u></p> <p>5kg CO2 Type fire extinguisher with wall mounting bracket fitted to 300 x 150 x 19mm meranti back plate with rounded and smoothed edges, underside at 1200mm above FFL</p>	No	29	
Carried to Collection				R
<p>Section No. 2 Bill No. 12 Plumbing and Drainage (Provisional) ASBESTOS PROGRAMME</p>				

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Plumbing and Drainage (Provisional)

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Plumbing and Drainage (Provisional)

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Item No	Quantity	Rate	Amount
<p><u>BILL NO.13</u></p>			
<p><u>ELECTRICAL WORK</u></p>			
<p><u>User note</u></p>			
<p>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</p>			
<p>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</p>			
<p><u>Distribution boards etc</u></p>			
<p>Rates for distribution boards etc are to include for busbars, jumpers, neutral bars, internal wiring and connections, circuit identification markers, control gear labels, circuit legend cards and working drawings</p>			
<p><u>Switches, socket outlets, etc</u></p>			
<p>Rates for switches, socket outlets, etc are to include for screwing to outlet boxes, connecting up and cover plates</p>			
<p><u>Light fittings</u></p>			
<p>Rates for light fittings are to include for hanging, fixing and connecting and for lamp holders and fluorescent tubes and lamps of the type and wattage described</p>			
<p><u>NEW DISTRIBUTION BOARDS</u> <u>Supply and installation and commissioning of Distribution Boards as specified including making off all wire connections (flush mounted board not larger than 1500mm x 1500mm) Note: External wiring, conduit, armoured cable and terminations given elsewhere</u></p>			
<p>Carried to Collection</p>			
<p>Section No. 2 Bill No. 13 Electrical Work ASBESTOS PROGRAMME</p>			
		R	

All Distribution Boards shall comply fully with the Standard Specification Part A and shall comply fully with SANS 10142-1 with latest Ammendments

1	Distribution Board (DB: A)	No	2
2	Distribution Board (DB:B)	No	1
3	Distribution Board (DB:C)	No	1

EXISTING DISTRIBUTION BOARDS
Supply and install the following additional switchgear into existing distribution boards as instructed by the Engineer on site, including wiring and terminations as required.

4	60A single phase 20 mA integral earth leakage unit with overload trip (5kA)	No	3
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EXISTING DISTRIBUTION BOARDS cont..

5	80A TP MCB (5kA)	No	1
6	60A TP MCB (5kA)	No	1
7	60A SP MCB (5 kA)	No	9
8	10A SP MCB (5kA)	No	13
9	20A SP MCB (5KA)	No	15

TEST AND CERTIFICATE OF COMPLIANCE:
The Contractor shal issue a certificate of Compliance for each distribution board and associated installation

10	Distribution Board (DB: A)	No	2
11	Distribution Board (DB:B)	No	1
12	Distribution Board (DB:C)	No	1

CONDUIT TERMINATIONS:

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	<u>PVC conduit terminations to distribution boards including adaptor and locknut</u>				
13	20mm	No	175		
14	25mm	No	25		
15	32mm	No	15		
	<u>CIRCUIT TERMINATIONS:</u>				
	<u>Terminations of circuit into distribution boards including lugs, cable straps, etc. (Cable terminations measured elsewhere)</u>				
16	single phase + E up to 6mm ²	No	1,506		
17	Preparation, checking and installing typed Legend Cards into distribution board	No	4		
	<u>PVC CONDUIT INSTALLATION</u>				
	<u>Conduit:</u>				
	<u>Supply and Installation of rigid PVC conduits including fixings, couplings, bends, draw boxes, waste, etc. Installed on surface on on wall, on ceiling void, chased in, or cast</u>				
18	into concrete				
	20 mm PVC	m	2,650		
19	25 mm PVC	m	75		
20	32 mm PVC	m	50		
21	50 mm PVC (sleeves)	m	30		
	<u>CONDUIT BOXES & TERMINATIONS:</u>				
	<u>Terminate and connect conduit boxes without covers installed on surface in ceiling ceiling void, chased in or cast into brickwork or in concrete</u>				
22	20 mm PVC round 1 - 4 way	No	107		
23	50 x 100mm flush box	No	98		
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24	100 x 100mm flush box	No	65
<u>CONDUCTORS:</u>			
<u>PVC insulated copper conductors drawn into conduit, wiring trunking or powerskirting</u>			
25	2.5 mm ² PVC	m	5,985
26	1,6mm draw wire	m	2,365
<u>CABLE TESTS:</u>			
27	LV Cable tests as specified on all cables and Issuing of required Test Certificates		Item
<u>SWITCHED SOCKET OUTLETS:</u>			
<u>Flush mounted socket outlets complete with cover plate but excluding wall boxes</u>			
28	16A 3 pin flush sso	No	76
29	16A 3 pin duo flush sso	No	10
30	16A 3 pin duo sso on power skirting	No	12
<u>LIGHT SWITCHES:</u>			
<u>Flush mounted complete with coverplates but excluding wall outlet box.</u>			
31	16A 1 lever 1 way	No	37
32	16A 2 lever sw.	No	2
33	Photo electric cell	No	4
<u>LUMINAIRES:</u>			
<u>Take delivery, store, protect, erect, fix, connect and lamp the following luminaires</u>			
34	Type F (2x58w MF-3240 wb-elec) ACDC	No	116
35	Type B (BK1039-2D IP54 PLASTIC OPAL)	No	65

LOW VOLTAGE CABLE & INSTALLATION

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Supply, delivery and installation of 600/1100V PVC/SWA/ECC/PVC Copper cables as specified, installed in trench or on surface or on cable tray or pulled through sleeves (excluding cost to supply and install tray)

36	25 mm ² x 2 core	No	58
37	16 mm ² x 2 core	No	168
38	10 mm ² x 2 core	No	125

**LOW VOLTAGE CABLE TERMINATIONS:
Terminations of Low Voltage PVC/SWA/PVC cable complete with glands, shrouds, lugs and connection**

39	25 mm ² x 2 core	No	2
40	16 mm ² x 2 core	No	6
41	10 mm ² x 2 core	No	6

**TRENCHING FOR CABLES:
Trenching for PVC/SWA/PVC/ cable as per the specificattion**

42	50 mm PVC	No	25
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ELECTRICAL CONNECTION UPGRADE:

43	Provisional Sum for Electrical Connection Fee		Item
44	Add for profit upon above if required		Item
45	Provide for general attendance on specialist as described		Item

LIGHTNING PROTECTION:

46	Provisional Sum for Supply and installation of Lightning Protection System		Item
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COMMISSIONING AND TESTING:

47 Commissioning and Testing of the entire new Installation, including the Provision of a Compliance Certificate and O & M Manuals

Item

GUARANTEE AND MAINTENANCE:

48 Guarantee and maintenance for the complete installation of the Electrical Installation including fittings, materials and workmanship for a period of TWELVE MONTHS (12) after date of completion and handover

Item

AS BUILT DRAWINGS:

49 Provision for 2 sets of 'As Built Drawings'

Item

DEMOLISHES

50 Disconnect all circuits in the existing buildings before demolishes begging

Item

MANHOLES

51 Build a 600mm x 600mm

No

10

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Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 14</u></p> <p><u>GLAZING (PROVISIONAL)</u></p> <p>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</p> <p>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</p>			
	<p><u>GLAZING TO STEEL/WOOD WITH PUTTY</u></p> <p><u>4mm Clear float glass:</u></p>			
1	Panes exceeding 0,1m ² and not exceeding 0,5m ² .	m2	225	
	<p>Carried Forward to Summary of Section No. 2</p> <p>Section No. 2 Bill No. 14 Glazing (Provisional) ASBESTOS PROGRAMME</p>			R

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 15</u></p> <p><u>PAINTWORK</u></p> <p>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</p> <p>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</p>			
	<p><u>PAINTWORK ETC TO NEW WORK</u></p> <p><u>ON FIBRE-CEMENT</u></p> <p><u>One coat universal undercoat and two coats "Wall and All" pure acrylic paint</u></p>			
1	On internal window cills	m	125	
2	On fascias and barge boards	m2	219	
	Carried to Collection			R
	<p>Section No. 2 Bill No. 15 Paintwork ASBESTOS PROGRAMME</p>			

ON METAL SURFACES

One coat alkyd based universal undercoat and two coats superior quality velvagio paint, on steel

3	On gates, grilles, burglar screens, balustrades, etc (both sides measured over the full flat area)	m2	28
4	On windows with burglar bars	m2	66

ON WOOD

Two coats wood primer

5	On backs of frames, linings, etc not exceeding 300mm wide	m2	77
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One coat primer, one coat alkyd based universal undercoat and two coats superior quality universal enamel paint

6	On doors	m2	125
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Three coats superior quality clear gloss varnish

7	Skirting and quadrant not exceeding 300mm girth.	m	928
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Paintwork
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PAINTWORK ETC TO PREVIOUSLY PAINTED WORK

ON FLOATED PLASTER

One coat plaster primer and two coats "Dulux" water based pearglow or similar approved

8	Plastered walls internally	m2	1,383	
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ON PLASTER BOARD

One coat universal undercoat and two coats "Polvin Super Acrylic" paint

9	On ceilings and cornices	m2	1,820	
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ON METAL

One coat alkyd based universal undercoat and two coats superior quality velvaglo paint, on steel

10	On Steel window frames with burglar bars	m2	185	
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ON WOOD

One coat wood primer and two coats "Plascon Velvaglo Polyurethane Velvet Enamel (VLO)" paint

11	On exposed roof timber	m2	239	
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SECTION SUMMARY - Section 2: Works to Existing Blocks

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1	Alterations (Provisional)	55	
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3	Masonry	62	
4	Waterproofing	63	
5	Roof Coverings	66	
6	Carpentry and Joinery	71	
7	Ceilings, Partitions and Access Flooring	72	
8	Floor Coverings	75	
9	Ironmongery	78	
10	Metalwork	81	
11	Plastering	84	
12	Plumbing and Drainage (Provisional)	89	
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Item No		Quantity	Rate	Amount
	<u>SECTION NO. 3: EXTERNAL WORKS</u>			
	<u>BILL NO. 1</u>			
	<u>EXTERNAL WORKS (PROVISIONAL)</u>			
	<p>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</p> <p>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</p>			
	<u>STORMWATER CHANNELS</u>			
	<u>Reinforced concrete 20MPa in-situ stormwater channels rendered smooth all round, including excavation, mesh reinforcement, formwork, and carting away surplus materials etc</u>			
1	Surface trench excavation for stormwater channel in earth not exceeding 2m deep.	m3	25	
2	G7 Earth filling supplied by the Contractor and brought to site compacted to 93% Mod AASHTO density under stormwater channels.	m3	5	
3	Extra over channel excavations for carting away for surplus material from excavations and/or stock piles on site to a dumping site to be located by the Contractor.	m3	18	
4	500mm Wide x 180mm thick extreme (100mm average thick D-shaped stormwater channel).	m	186	
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	Section No. 3 Bill No. 1 External Works ASBESTOS PROGRAMME			

5	Rough formwork (degree of accuracy II) to sides and edges not exceeding 300mm high.	m	242
6	Extra for angles, intersection, ends, dressing into sides of catchpits etc all as per drawing attached to the back of these bills of quantities	No	12
<u>WALKWAYS (ALL TRADES)</u>			
<u>EARTHWORKS (PROVISIONAL)</u>			
<u>EXCAVATION, FILLING, ETC</u>			
<u>Excavation in earth not exceeding 2m deep</u>			
7	Reduced levels under floors	m3	96
<u>Extra over trench and hole excavations in earth for excavation in</u>			
8	Soft rock	m3	11
9	Hard rock	m3	8
<u>Extra over all excavations for carting away</u>			
10	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	70
<u>Risk of collapse of excavations</u>			
11	Sides of trench and hole excavations not exceeding 1,5m deep	m2	99
<u>Keeping excavations free of water</u>			
12	Keeping excavations free of all water other than subterranean water		Item
<u>Earth filling (G5) supplied by the contractor compacted to 98% Mod AASHTO density</u>			
13	Under floors, steps, pavings, etc	m3	29

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<u>Coarse river sand filling supplied by the contractor</u>				
14	Under floors etc	m3	19	
<u>Compaction of surfaces</u>				
15	Compaction of ground surface under floors etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 95% Mod AASHTO density	m2	145	
<u>Prescribed density tests on filling</u>				
16	"Modified AASHTO Density" test	No	6	
<u>SOIL POISONING</u>				
<u>Soil insecticide</u>				
17	Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m2	145	
<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>				
<u>REINFORCED CONCRETE</u>				
<u>25MPa/19mm concrete</u>				
18	Surface beds cast in panels on waterproofing	m3	29	
<u>TEST BLOCKS</u>				
19	Allow for all necessary concrete test cubes size 150 x 150 x 150mm cast from batches of concrete required for the entire contract as specified, made, stored, cured and tested in accordance with SABS Methods 861 and 863, including use of approved cube moulds, transporting to an approved testing laboratory for testing, paying all charges and submitting reports to the Principal Agent	No	6	
<u>CONCRETE SUNDRIES</u>				
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	<u>Finishing top surfaces of concrete smooth with a wood float</u>			
20	Surface beds, slabs, etc	m2	145	
	<u>ROUGH FORMWORK (DEGREE OF ACCURACY II)</u>			
	<u>Rough formwork to sides</u>			
21	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	317	
	<u>MOVEMENT JOINTS ETC</u>			
	<u>Expansion joints with bitumen impregnated softboard between vertical concrete surfaces</u>			
22	12mm Joints not exceeding 300mm high	m	57	
	<u>REINFORCEMENT (PROVISIONAL)</u>			
	<u>Fabric reinforcement</u>			
23	Type 193 fabric reinforcement in concrete surface beds, slabs, etc	m2	145	
	<u>WATERPROOFING</u>			
	<u>One layer of 250 micron "Consol Plastics Gunplas USB Green" waterproof sheeting sealed at laps with "Gunplas Pressure Sensitive Tape"</u>			
24	Under surface beds	m2	145	
	<u>JOINT SEALANTS ETC</u>			
	<u>Two-part grey polysulphide sealing compound including backing cord, bond breaker, primer, etc</u>			
25	12 x 12mm In expansion joints in floors including raking out expansion joint filler as necessary	m	56	

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WATER TANKS AND PLINTHS (ALL TRADES)

EARTHWORKS (PROVISIONAL)

Excavation, Filling, etc other than bulk

Excavation in earth not exceeding 2m deep

26 Reduced levels under floors m3 3

27 Trenches m3 64

Extra over trench and hole excavations in earth for excavation in

28 Intermediate materials m3 8

29 Hard rock materials m3 8

Extra over all excavations for carting away

30 Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor m3 4

Risk of collapse of excavations

31 Sides of trench and hole excavations not exceeding 1,5m deep m2 154

Keeping excavations free of water

32 Keeping excavations free of all water other than subterranean water Item

Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 93% Mod AASHTO density

33 Backfilling to trenches, holes, etc m3 12

Coarse river sand filling supplied by the contractor

34 Under floors etc m3 1

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<u>Hardcore filling</u>		
35	Under floors etc	m3 10
<u>Compaction of surfaces</u>		
36	Compaction of ground surface under floors etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% Mod AASHTO density	m2 20
<u>Prescribed density tests on filling</u>		
37	"Modified AASHTO Density" test	No 8
<u>Soil insecticide</u>		
38	Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m2 20
39	To bottoms and sides of trenches etc	m2 195
<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>		
<u>Reinforced Concrete</u>		
<u>25MPa/19mm concrete</u>		
40	Surface beds cast on waterproofing	m3 2
<u>Reinforced Concrete Cast Against Excavated Surfaces</u>		
<u>25MPa/19mm concrete</u>		
41	Strip footings	m3 10

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<u>Superstructure</u>				
<u>Brickwork of NFP bricks in class II mortar</u>				
48	One brick walls	m2	26	
<u>Brickwork Sundries</u>				
<u>Brickwork reinforcement</u>				
49	150mm Wide reinforcement built in horizontally	m	256	
<u>Face Brickwork</u>				
<u>"Firelight Satin" face bricks pointed with half round recessed horizontal and vertical joints</u>				
50	Extra over brickwork for face brickwork	m2	26	
51	Extra over brickwork for face brickwork in foundations (Provisional)	m2	17	
<u>WATERPROOFING</u>				
<u>Damp-Proofing of Walls and Floors</u>				
<u>One layer of 250 micron "Consol Plastics Gunplas USB Green" waterproof sheeting sealed at laps with "Gunplas Pressure Sensitive Tape"</u>				
52	Under surface beds	m2	20	
<u>PLUMBING AND DRAINAGE (PROVISIONAL)</u>				
<u>Taps, Valves, etc</u>				
<u>"Cobra Watertech"</u>				
53	15mm, 111CP "Star" pillartap	No	8	
Carried to Collection				
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<u>Tanks etc</u>				
<u>"Everite" fibre-cement water tanks etc</u>				
54	5000L Polyethylene water tank complete with lid as Pennels and hoisting approximately 700mm above ground level	No	8	
55	Outlet union for 22mm copper pipe including hole through tank	No	8	
<u>FENCING</u>				
<u>SITE DEMOLITION WORKS</u>				
56	Take down and remove existing security fencing consisting on weldmesh and steel poles 2.4m high and leveling ground and cart away from site	m	368	
<u>Site clearance</u>				
57	Allow for clearing site for the width of 1 000 mm where fencing runs are to be erected including removing trees, shrubs etc. not ex levelling. ceeding 200 mm girth, grubbing up roots and roughly	m	368	
<u>Hot Dipped Galvanised Steel (Class A) " high density Anti Climbing and Anti Cut pressed Metal panel fencing with Anthracite Grey Colour formed of 4mm Diameter Horizontal and Vertical High Tensile Line Wires with Aperturesize 76.2 x 12.7mm and reinforcing V- Section Ribs, bolted with vandal resistant bolts and clamping plates to and including taper locking posts with sealed end caps and 30 x 3mm x 250mm long angle section base anchors with posts bedded in and includng cement concrete 20MPa Bases and including 250 x 600mm Reinforced cement concrete 20MPa sill between bases and fence with anti theft double bar rivetted to mesh and bedded in concrete sill all in strict accordance with the manufacturers instructions including excavations,backfilling,concrete, reinforcing etc.</u>				
58	Security fencing 2,4m high	m	368	
<u>GATES, ETC</u>				
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160 x 1.3mm Thick wall galvanised steel round tubing spaced at 120mm c/cs fixed to 75 x 50 main and mid frames in a dialog patter.

59	Single gate size 1610 x 2725mm high	No	1
60	Double gate size 3330 x 2200mm high	No	1

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Item No		Quantity	Rate	Amount
	<u>SECTION NO. 4: PROVISIONAL SUMS</u>			
	<u>BILL NO. 1</u>			
	<u>PROVISIONAL SUMS</u>			
	<u>Preambles</u>			
	For preambles see "Standard Preambles to all Trades".			
	The descriptions of items in this section is abbreviated descriptions of the work to be done and of the materials to be used, the tenderer are therefore referred to the full specifications attached to these bills of quantities for the full descriptions and complete specifications			
	<u>Trade Names and Proprietary Products:</u> All descriptions or clauses where trades names or proprietary products are specified, are deemed to include the phrase "or other approved".			
	Note: The following allowances are for specialist activities to be performed as SELECTED SUB-CONTRACTS			
	<u>COMMUNITY LIAISON OFFICER</u>			
1	Provide the sum of R100000.00 (One Hundred Thousand Rands only) for the appointment of a Community Liaison Officer for the project	Item		
2	Add for profit upon above if required	Item		
3	Provide for general attendance on specialist as described	Item		
	Carried to Collection			R
	Section No. 4 Bill No. 1 Provisional Sums ASBESTOS PROGRAMME			

ASBESTOS INSPECTOR AUTHORITY

4 Provide the sum of R 100 000.00 (One Hundred Thousand Rands only) for the appointment of a Asbestos Inspector Authority for the project

Item

5 Add for profit upon above if required

Item

6 Provide for general attendance on specialist as described

Item

TEMPORARY PARKHOMES

7 Provide the sum of R 500 000.00 (Five Hundred Thousand Rands only) for Temporary Park homes for the project

Item

8 Add for profit upon above if required

Item

9 Provide for general attendance on specialist as described

Item

Carried to Collection

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Bill No. 1
Provisional Sums
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Section No. 4

Bill No. 1

Provisional Sums

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Section No	<u>FINAL SUMMARY</u>	Page No	Amount
1	Section 1: Preliminaries	48	
2	Section 2: Works to Existing Blocks	102	
3	Section 3: External Works	113	
4	Section 4: Provisional Sums	116	
	Sub-Total		R
	Allow 5% for contingencies to be used as directed by the "Employer" and deducted in whole or in part if not required	Item	
	Sub-total		R
	Add: Value Added Tax (15%)		R
	Carried to Contract Amount		R
	ASBESTOS PROGRAMME		