

Item No		Quantity	Amount R
	<p><u>SECTION 1</u></p> <p><u>BILL NO. 1</u></p> <p><u>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><u>DEFINITIONS</u></p> <p>1 A1.0 DEFINITIONS AND INTERPRETATION</p> <p>Clause 1.0</p> <p>Clause 1.1 Definition of "Commencement Date" is added:</p>		
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"**COMMENCEMENT DATE**" means the date that the **agreement**, made in terms of the Form of Offer and Acceptance, comes into effect

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

"**CONSTRUCTION GUARANTEE**" means a guarantee at call obtained by the **contractor** from an institution approved by the **employer** in terms of the **employer's** construction guarantee form as selected in the **schedule**

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

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

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

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

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

"**FRAUDULENT PRACTICE**" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of any tenderer and includes collusive practice among tenderers (prior to or after the tender submission) designed to establish tender prices at artificial non-competitive levels and to deprive the tenderer of the benefits of free and open competition

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

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

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

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

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

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

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

Clause 1.6.4 is amended by replacing it with the following:

No clause

Fixed: _____ Value related: _____ Time related: _____

Item

OBJECTIVE AND PREPARATION

2 A2.0 OFFER, ACCEPTANCE AND PERFORMANCE

Clause 2.0

Fixed: _____ Value related: _____ Time related: _____

Item

3 A3.0 DOCUMENTS

Clause 3.0

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

Clause 3.7 is amended by the addition of the following:

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

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

Fixed: _____ Value related: _____ Time related: _____

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4	<p>A4.0 DESIGN RESPONSIBILITY</p> <p>Clause 4.0</p> <p>Clause 4.3 is amended by replacing it with the following:</p> <p>No clause</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item	
5	<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, 34.4 and 38.5.8</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item	
6	<p>A6.0 SITE REPRESENTATIVE</p> <p>Clause 6.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item	
7	<p>A7.0 COMPLIANCE WITH REGULATIONS</p> <p>Clause 7.0</p> <p>Note: A separate clause has been included in Section C: Specific Preliminaries of the bills of quantities / lump sum document for the contractor to have the opportunity to price for all the requirements of the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item	
8	<p>A8.0 WORKS RISK</p> <p>Clause 8.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item	
9	<p>A9.0 INDEMNITIES</p> <p>Clause 9.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item	
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10 A10.0 WORKSINSURANCES

Clause 10.0

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

10.5 Damage to the Works

- (a) Without in any way limiting the **contractor's** obligations in terms of the contract, the **contractor** shall bear the full risk of damage to and/or destruction of the **works** by whatever cause during construction of the **works** and hereby indemnifies and holds harmless the **employer** against any such damage. The **contractor** shall take such precautions and security measures and other steps for the protection and security of the **works** as the **contractor** may deem necessary
- (b) The **contractor** shall at all times proceed immediately to remove or dispose of any debris arising from damage to or destruction of the **works** and to rebuild, restore, replace and/or repair the **works**
- (c) The **employer** shall carry the risk of damage to, or destruction of the **works** and materials paid for by the **employer** that is the result of the excepted risks as set out in 10.6
- (d) Where the **employer** bears the risk in terms of this contract, the **contractor** shall, if requested to do so, reinstate any damage or destroyed portions of the **works** and the costs of such reinstatement shall be measured and valued in terms of 32.0 hereof

10.6 Injury to Persons or loss of or damage to Properties

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

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

10.7 High risk insurance

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

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

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10.7.2 Injury to persons or loss of or damage to property

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

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

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

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

Fixed:_____Value related:_____Time related:_____

Item

11 A11.0 LIABILITY INSURANCES

Clause 11.0

Fixed:_____Value related:_____Time related:_____

Item

12 A12.0 EFFECTING INSURANCES

Clause 12.0

Fixed:_____Value related:_____Time related:_____

Item

13 A13.0 No clause

N/A

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14 A14.0 SECURITY

Clause 14.0

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

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

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

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

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

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

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

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

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

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

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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** too the **contractor** within fourteen (14) **calendar days** of it expiring

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

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

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

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

14.5.3 The **employer** shall return the fixed **construction guarantee** too 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

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

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

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

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

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

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

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

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

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

15 A15.0 PREPARATION FOR AND EXECUTION OF THE WORKS

Clause 15.0

Clause 15.1.1 is amended by replacing it with:

No clause

Clause 15.1.2 is amended by replacing it with:

The **security** selected in terms of 14.0

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

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

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

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

Fixed:_____ Value related:_____ Time related:_____

Item

16 A16.0 ACCESS TO THE WORKS

Clause 16.0

Fixed:_____ Value related:_____ Time related:_____

Item

17 A17.0 CONTRACT INSTRUCTIONS

Clause 17.0

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

Fixed:_____ Value related:_____ Time related:_____

Item

18 A18.0 SETTING OUT OF THE WORKS

Clause 18.0

Fixed:_____ Value related:_____ Time related:_____

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19	A19.0 ASSIGNMENT Clause 19.0 Fixed: _____ Value related: _____ Time related: _____	Item	
20	A20.0 NOMINATED SUBCONTRACTORS Clause 20.0 Clause 20.1.3 is amended by replacing it with the following: No clause Note: See item B9.1 hereinafter for adjustment of attendance on nominated subcontractors executing work allowed for under provisional sums Fixed: _____ Value related: _____ Time related: _____	Item	
21	A21.0 SELECTED SUBCONTRACTORS Clause 21.0 Clause 21 is amended by replacing it with: No clause Fixed: _____ Value related: _____ Time related: _____	Item	
22	A22.0 EMPLOYER'S DIRECT CONTRACTORS Clause 22.0 Fixed: _____ Value related: _____ Time related: _____	Item	
23	A23.0 CONTRACTOR'S DOMESTIC SUBCONTRACTORS Clause 23.0 Fixed: _____ Value related: _____ Time related: _____	Item	
<u>COMPLETION</u> A24.0 PRACTICAL COMPLETION Clause 24.0 Fixed: _____ Value related: _____ Time related: _____			
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25	A25.0 WORKS COMPLETION Clause 25.0 Fixed:_____Value related:_____Time related:_____	Item
26	A26.0 FINAL COMPLETION Clause 26.0 Clause 26.1.2 is amended by inserting "#" next to 26.1.2 Fixed:_____Value related:_____Time related:_____	Item
27	A27.0 LATENT DEFECTS LIABILITY PERIOD Clause 27.0 Fixed:_____Value related:_____Time related:_____	Item
28	A28.0 SECTIONAL COMPLETION Clause 28.0 Fixed:_____Value related:_____Time related:_____	Item
29	A29.0 REVISION OF DATE FOR PRACTICAL COMPLETION Clause 29.0 Clause 29.2.5 is amended by replacing it with: No clause Fixed:_____Value related:_____Time related:_____	Item
30	A30.0 PENALTY FOR NON-COMPLETION Clause 30.0 Fixed:_____Value related:_____Time related:_____	Item
	PAYMENT	
31	A31.0 INTERIM PAYMENT TO THE CONTRACTOR Clause 31.0	
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Clause 31.5.2 is amended by replacing "14.7.1" with "14.0"

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

Alternative A

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

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

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

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

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

Alternative B

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

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

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

Clause 31.12 is amended by deleting the following:

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

Fixed: _____ Value related: _____ Time related: _____

Item

32 A32.0 ADJUSTMENT TO THE CONTRACT VALUE

Clause 32.0

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

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

Fixed: _____ Value related: _____ Time related: _____

Item

33 A33.0 RECOVERY OF EXPENSE AND LOSS

Clause 33.0

Fixed: _____ Value related: _____ Time related: _____

Item

34 A34.0 FINAL ACCOUNT AND FINAL PAYMENT

Clause 34.0

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

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

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

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

Fixed: _____ Value related: _____ Time related: _____

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35 A35.0 PAYMENT TO OTHER PARTIES

Clause 35.0

Fixed: _____ Value related: _____ Time related: _____

Item

CANCELLATION

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

Clause 36.0

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

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

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

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

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

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

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

Fixed: _____ Value related: _____ Time related: _____

Item

37 A37.0 CANCELLATION BY EMPLOYER - LOSS AND DAMAGE

Clause 37.0

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

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

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

Fixed:_____Value related:_____Time related:_____

Item

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

Clause 38.0

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

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

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

Fixed:_____Value related:_____Time related:_____

Item

39 A39.0 CANCELLATION - CESSATION OF THE WORKS

Clause 39.0

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

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

Fixed:_____Value related:_____Time related:_____

Item

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<u>DISPUTE</u>		
40	A40.0 DISPUTE SETTLEMENT Clause 40.0 Clause 40.2.2 is amended by replacing "one (1) year" with "three (3) years" Clause 40.6 is amended by removing the reference to: No clause Clause 40.7.1 is amended by replacing "(10)" with "(15)" and by the addition of the following: Whether or not mediation resolves the dispute, the parties shall bear their own costs concerning the mediation and equally share the costs of the mediator and related costs Fixed:_____Value related:_____Time related:_____	Item
<u>SUBSTITUTE PROVISIONS</u>		
41	A41.0 STATE CLAUSES Clause 41.0 Fixed:_____Value related:_____Time related:_____	Item
<u>CONTRACT VARIABLES</u>		
42	A42.0 THE SCHEDULE (DPW-04EC) Clause 42.0 Tenderers are referred to the Contract Data DPW-04(EC) for variables pertaining to this contract Fixed:_____Value related:_____Time related:_____	Item
Carried to Collection		R
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SECTION B: JBCC PRELIMINARIES

B1.0 DEFINITIONS AND INTERPRETATION

43 B1.1 Definitions and interpretation

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

Fixed: _____ Value related: _____ Time related: _____

Item

B2.0 DOCUMENTS

44 B2.1 Checking of documents

Fixed: _____ Value related: _____ Time related: _____

Item

45 B2.2 Provisional bills of quantities

Fixed: _____ Value related: _____ Time related: _____

Item

46 B2.3 Availability of construction documentation

Fixed: _____ Value related: _____ Time related: _____

Item

47 B2.4 Interests of agents

Fixed: _____ Value related: _____ Time related: _____

Item

48 B2.5 Priced documents

Fixed: _____ Value related: _____ Time related: _____

Item

49 B2.6 Tender submission

Clause 2.6 is amended by replacing "JBCC Form of Tender" with "Form of Offer and Acceptance DPW-07(EC)"

Fixed: _____ Value related: _____ Time related: _____

Item

B3.0 THE SITE

50 B3.1 Defined works area

Fixed: _____ Value related: _____ Time related: _____

Item

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51	B3.2 Geotechnical investigation	Fixed: _____ Value related: _____ Time related: _____	Item
52	B3.3 Inspection of the site	Fixed: _____ Value related: _____ Time related: _____	Item
53	B3.4 Existing premises occupied	Fixed: _____ Value related: _____ Time related: _____	Item
54	B3.5 Previous work - dimensional accuracy	Fixed: _____ Value related: _____ Time related: _____	Item
55	B3.6 Previous work - defects	Fixed: _____ Value related: _____ Time related: _____	Item
56	B3.7 Services - known	Fixed: _____ Value related: _____ Time related: _____	Item
57	B3.8 Services - unknown	Fixed: _____ Value related: _____ Time related: _____	Item
58	B3.9 Protection of trees	Fixed: _____ Value related: _____ Time related: _____	Item
59	B3.10 Articles of value	Fixed: _____ Value related: _____ Time related: _____	Item
60	B3.11 Inspection of adjoining properties	Fixed: _____ Value related: _____ Time related: _____	Item
<u>B4.0 MANAGEMENT OF CONTRACT</u>			
61	B4.1 Management of the works	Fixed: _____ Value related: _____ Time related: _____	Item
Carried to Collection			R
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62	B4.2 Programme for the works	Fixed: _____ Value related: _____ Time related: _____	Item
63	B4.3 Progress meetings	Fixed: _____ Value related: _____ Time related: _____	Item
64	B4.4 Technical meetings	Fixed: _____ Value related: _____ Time related: _____	Item
65	B4.5 Labour and plant records	Fixed: _____ Value related: _____ Time related: _____	Item
<u>B5.0 SAMPLES, SHOP DRAWINGS AND MANUFACTURERS' INSTRUCTIONS</u>			
66	B5.1 Samples of materials	Fixed: _____ Value related: _____ Time related: _____	Item
67	B5.2 Workmanship samples	Fixed: _____ Value related: _____ Time related: _____	Item
68	B5.3 Shop drawings	Fixed: _____ Value related: _____ Time related: _____	Item
69	B5.4 Compliance with manufacturers' instructions	Fixed: _____ Value related: _____ Time related: _____	Item
<u>B6.0 TEMPORARY WORKS AND PLANT</u>			
70	B6.1 Deposits and fees	Fixed: _____ Value related: _____ Time related: _____	Item
71	B6.2 Enclosure of the works	Fixed: _____ Value related: _____ Time related: _____	Item
Carried to Collection			R
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[illegible]

B9.0 ATTENDANCE ON N/S SUBCONTRACTORS

82 B9.1 General attendance

Fixed: _____ Value related: _____ Time related: _____

Item

83 B9.2 Special attendance

Fixed: _____ Value related: _____ Time related: _____

Item

84 B9.3 Commissioning - fuel, water and electricity

Fixed: _____ Value related: _____ Time related: _____

Item

B10.0 FINANCIAL ASPECTS

85 B10.1 Statutory taxes, duties and levies

Fixed: _____ Value related: _____ Time related: _____

Item

86 B10.2 Payment for preliminaries

Fixed: _____ Value related: _____ Time related: _____

Item

87 B10.3 Adjustment of preliminaries

Clauses B10.3.1 and B10.3.2 are amended by replacing "within fifteen (15) **working days** of taking possession of the **site**" with "when submitting his priced **bills of quantities / lump sum document**"

Fixed: _____ Value related: _____ Time related: _____

Item

88 B10.4 Payment certificate cash flow

Fixed: _____ Value related: _____ Time related: _____

Item

B11.0 GENERAL

89 B11.1 Protection of the works

Fixed: _____ Value related: _____ Time related: _____

Item

90 B11.2 Protection / isolation of existing / sectionally occupied works

Fixed: _____ Value related: _____ Time related: _____

Item

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91	B11.3 Security of the works	Fixed: _____ Value related: _____ Time related: _____	Item
92	B11.4 Notice before covering work	Fixed: _____ Value related: _____ Time related: _____	Item
93	B11.5 Disturbance	Fixed: _____ Value related: _____ Time related: _____	Item
94	B11.6 Environmental disturbance	Fixed: _____ Value related: _____ Time related: _____	Item
95	B11.7 Works cleaning and clearing	Fixed: _____ Value related: _____ Time related: _____	Item
96	B11.8 Vermin	Fixed: _____ Value related: _____ Time related: _____	Item
97	B11.9 Overhand work	Fixed: _____ Value related: _____ Time related: _____	Item
98	B11.10 Instruction manuals and guarantees	Fixed: _____ Value related: _____ Time related: _____	Item
99	B11.11 As built information	Fixed: _____ Value related: _____ Time related: _____	Item
100	B11.12 Tenant installations	Fixed: _____ Value related: _____ Time related: _____	Item
	<u>B12.0 SCHEDULE OF VARIABLES</u>		
101	B12.1 Schedule of variables	Fixed: _____ Value related: _____ Time related: _____	Item
Carried to Collection			R
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This **schedule** contains all variables referred to in this document and is divided into pre-tender and post-tender categories. The pre-tender category must be completed in full and included in the tender documents. Both the pre-tender and post-tender categories form part of these **Preliminaries**

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

12.1 PRE-TENDER INFORMATION

12.1.1 Provisional bills of quantities

[2.2] The quantities are provisional
YES/NO

12.1.2 Availability of construction documentation

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

12.1.3 Interests of agents

[2.4] Details:

12.1.4 Defined works area

[3.1] Details:

12.1.5 Geotechnical investigation

[3.2] Details:

12.1.6 Existing premises occupied

[3.4] Specific requirements:

12.1.7 Previous work - dimensional accuracy

[3.5] Details:

12.1.8 Previous work - defects

[3.6] Details:

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12.1.9 Services - known

[3.7] Details:

12.1.10 Protection of trees

[3.9] Specific requirements:

12.1.11 Inspection of adjoining properties

[3.11] Specific requirements:

12.1.12 Enclosure of the works

[6.2] Specific requirements:

12.1.13 Offices

[6.4.3] Specific requirements:

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

12.1.14 Main notice board

[6.5] Specific requirements:

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

12.1.15 Subcontractors' notice board

[6.6] A notice board is required

YES/NO

Specific requirements:

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12.1.16 Water

[7.2] Option A (by **contractor**)
YES/NO

Option B (by **employer** - free of charge)
YES/NO

Option C (by **employer** - metered)
YES/NO

12.1.17 Electricity

[7.3] Option A (by **contractor**)
YES/NO

Option B (by **employer** - free of charge)
YES/NO

Option C (by **employer** - metered)
YES/NO

12.1.18 Telecommunications

[7.4] Telephone
YES/NO

Facsimile
YES/NO

E-mail
YES/NO

12.1.19 Ablution facilities

[7.5] Option A (by **contractor**)
YES/NO

Option B (by **employer**)
YES/NO

12.1.20 Protection of existing/sectionally occupied works

[11.2] Protection is required
YES/NO

Carried to Collection

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12.1.21 Special attendance

[9.2] **Subcontractor** (1) details:

Subcontractor (2) details:

Subcontractor (3) details:

Subcontractor (4) details:

12.1.22 Protection of the works

[11.1] Specific requirements:

12.1.23 Disturbance

[11.5] Specific requirements:

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

12.1.24 Environmental disturbance

[11.6] Specific requirements:

12.2 POST-TENDER INFORMATION

12.2.1 Payment of preliminaries

[10.2] Option A (prorated)
YES/NO

Option B (calculated)
YES/NO

12.2.2 Adjustment of preliminaries

[10.3] Option A (three categories)
YES/NO

Option B (detailed breakdown)
YES/NO

12.2.3 Additional agreed preliminaries items

Details:

Carried to Collection

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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

102 **C1.0 CONTRACT DRAWINGS**

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

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

* A full set of drawings is issued with the tender documents indicating the full scope of the work to enable the tenderer to acquaint himself with the nature and extent of the **works** and the manner in which they are to be executed

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

Fixed: _____ Value related: _____ Time related: _____

Item

103 **C2.0 GENERAL PREAMBLES**

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

Fixed: _____ Value related: _____ Time related: _____

Item

104 **C3.0 TRADE NAMES**

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

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

Fixed: _____ Value related: _____ Time related: _____

Item

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105	<p>C4.0 IMPORTED MATERIALS AND EQUIPMENT</p> <p>Where imported items are listed in the tender documents, the tenderer shall provide all the information called for, failing which the price of any such item, materials or equipment shall be excluded from currency fluctuations. (Refer to Schedule of Imported Materials and Equipment DPW-23(EC) to be completed by tenderer)</p> <p>Notwithstanding any provisions elsewhere regarding the adjustment of contract prices, the price of any item, material or equipment listed in terms of this clause shall be excluded from the Contract Price Adjustment Provisions (if applicable)</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item		
106	<p>C5.0 VIEWING THE SITE IN SECURITY AREAS</p> <p>The site is situated in a security area and the tenderer must arrange with the unit commander or other responsible officer to obtain permission to enter the site for tendering purposes</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item		
107	<p>C6.0 COMMENCEMENT OF WORKS IN SECURITY AREAS</p> <p>As the works falls within a security area the contractor must give the unit commander or other responsible officer notice before commencement of the works. Should the contractor fail to make such arrangements, admission to the site may be refused and any additional costs will be for the contractor's account</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item		
108	<p>C7.0 ENTRANCE PERMITS TO SECURITY AREAS</p> <p>As the works falls within a security area the contractor shall obtain entrance permits for his personnel and workmen entering the area and shall comply with all regulations and instructions which may be issued from time to time regarding the protection of persons and property under the control of the Defence Force, Police or chief security officer</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item		
			Carried to Collection	R
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109	<p>C8.0 SECURITY CHECK OF PERSONNEL</p> <p>The principal agent may require the contractor to have his personnel and workmen, or a certain number of them, security classified</p> <p>In the event of the principal agent requesting the removal of a person or persons from the works for security reasons, the contractor shall do so forthwith and shall thereafter ensure that such person or persons are denied access to the works and the site and/or to any document or information relating to the works</p> <p>Fixed:_____Value related:_____Time related:_____</p>	Item	
110	<p>C9.0 PROHIBITION ON TAKING OF PHOTOGRAPHS</p> <p>In terms of article 119 of the Defence Act, 44 of 1957, it is prohibited to sketch or to take photographs of any military site or installation or any building or civil works thereon or to be in possession of a camera or other apparatus used for taking of photographs except when authorized thereto by or on behalf of the Minister</p> <p>The same prohibition is also applicable to all correctional institutions in terms of article 44.1(e) of the Correctional Services Act 8 of 1959</p> <p>Fixed:_____Value related:_____Time related:_____</p>	Item	
111	<p>C10.0 HIV/AIDS AWARENESS</p> <p>It is required of the contractor to thoroughly study the HIV/AIDS Specification (PW 1544) of the Department that must be read together with and is deemed to be incorporated under this Section of the bills of quantities / lump sum document. Provision for pricing of HIV/AIDS awareness is made under items C10.1 to C10.5 hereafter and it is explicitly pointed out that all requirements of the aforementioned specification are deemed to be priced hereunder, as the said items represent the only method of measurement and no additional items or extras to the contract in this regard shall be entertained</p> <p>The contractor must take note that compliance with the HIV/AIDS Specification is compulsory. In the event of partial or total non-compliance, the principal agent, notwithstanding the provisions of clause A 31.0 of Section A or any other clause to the contrary, reserves the right to delay issuing any progress payment certificate until the contractor provides satisfactory proof of compliance. The contractor shall not be entitled to any compensation of whatsoever nature, including interest, due to such delay of payment</p>		
		Carried to Collection	R
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C10.1 AWARENESS CHAMPION

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

Fixed: _____ Value related: _____ Time related: _____

Item

C10.2 AWARENESS WORKSHOPS

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

Fixed: _____ Value related: _____ Time related: _____

Item

C10.3 POSTERS, BOOKLETS, VIDEOS, ETC.

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

Fixed: _____ Value related: _____ Time related: _____

Item

C10.4 ACCESS TO CONDOMS

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

Fixed: _____ Value related: _____ Time related: _____

Item

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C10.5 MONITORING

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

Fixed: _____ Value related: _____ Time
related: _____

Item

112

C11.0 OCCUPATIONAL HEALTH AND SAFETY ACT

The **contractor** shall comply with all the requirements set out in the Construction Regulations, 2003 issued under the Occupational Health and Safety Act, 1993 (Act No 85 of 1993), Edition 23 Code of Practice

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

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

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

Fixed: _____ Value related: _____ Time
related: _____

Item

113

C11.1 NOTIFICATION OF CONSTRUCTION WORK (Construction Regulation 4)

The Contractor shall, before commencing work, notify the Department of Labour of the intended construction work in terms of Regulation 4. The Contractor shall submit the notification in writing, on the appropriate form, prior to commencement of work

Fixed: _____ Value related: _____ Time
related: _____

Item

Carried to Collection

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114	<p>C11.2 HEALTH AND SAFETY PLAN (Construction Regulation 7(1)(9))</p> <p>The Contractor shall provide and demonstrate to the Principal Agent a suitable and sufficiently documented health and safety plan based on the Act, Construction Regulations and the health and safety specification, which shall be applied from the date of commencement of and for the duration of the construction work. The Contractor shall ensure that a copy of the health and safety plan is available on request to an employee, inspector, sub-contractor or principal agent all in terms of Regulation 7</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item	
115	<p>C11.3 REGISTRATION WITH THE COMPENSATION FUND (Construction Regulation 7(1)(c)(iv))</p> <p>The Contractor shall provide proof of his registration and good standing with the Compensation Fund or a licensed compensation insurer prior to the commencement of work</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item	
116	<p>C11.4 HEALTH AND SAFETY FILE (Construction Regulation 7(1)(b))</p> <p>The Contractor shall ensure that a health and safety file, which shall include all documentation required in terms of the health and safety specification, the Act and the Construction Regulations, is opened and kept on site and made available to the Principal Agent or Inspector upon request. Upon completion of the works, the Contractor shall hand over a consolidated health and safety file to the principal agent</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item	
117	<p>C11.5 SUPERVISION OF CONSTRUCTION WORK (SAFETY OFFICER) (Construction Regulation 8.5(6))</p> <p>The Contractor shall appoint a full-time competent employee in writing as the construction supervisor, with the duty of supervising the construction work. The Contractor shall appoint a full-time or part-time construction safety officer in writing to assist in the control of all safety related aspects on the site. Such appointments are required to ensure that at all times the requirements of the Act and Construction Regulations are adhered to. Refer to Regulation 8.5</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item	
Carried to Collection		R	
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118	<p>C11.6 RISK ASSESSMENT AND SAFETY POLICY (Construction Regulation 9)</p> <p>Before commencing work the Contractor shall cause a risk assessment to be performed by a competent person appointed in writing and the risk assessment shall form part of the health and safety plan. A copy of the risk assessment shall be available on site at all times for inspection.</p> <p>The Contractor shall at all times carry out the works in a manner to avoid the risk of bodily harm to persons or risk of damage to any property. He shall take all precautions regarding training of employees in any hazards and the related work procedures, health and safety induction training of employees, visitors or any other persons entering the site and provide personal protective equipment to all employees and visitors to site which are necessary and adequate to eliminate any conditions which contribute to the risk of injury to persons or damage to property in terms of Regulation 9</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item	
119	<p>C11.7 SIGNIFICANT HAZARDOUS IDENTIFICATION RISK ASSESSMENT PREPARED BY THE DESIGN CONSULTANTS (CR 9)</p> <p>The contractor shall allow for additional financial provision, if any, to take the necessary precautions regarding the significant hazards and risks identified and assessed by the design consultants</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item	
120	<p>C11.8 ADDITIONAL FINANCIAL PROVISION (Construction Regulation 5(1)(g))</p> <p>The Contractor shall allow for additional financial provision, if any, to comply with the requirements of the Occupational Health and Safety Act (Act No 85 of 1993) and the Construction Regulations issued there under which have not been specifically elsewhere provided</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item	
121	<p>C11.9 FALL PROTECTION PLAN (Construction Regulation 10)</p> <p>The contractor shall, before commencing any construction work submit a fall protection plan identified all steps to be taken in order to ensure the continued adherence to the fall protection plan and shall include a risk assessment of all work carried out from a relevant position. The fall protection plan shall form part of the health and safety plan and file</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item	
Carried to Collection			R
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122	<p>C11.10 PHYSICAL AND PSYCHOLOGICAL FITNESS (Construction Regulation 7.8(b))</p> <p>The contractor and sub-contractors shall before commencing any construction work submit proof of his employees that shall carried out work from an elevated position their physical and psychological fitness. And shall be recorded in the health and safety file</p> <p>Fixed:_____Value related:_____Time related:_____</p>	Item	
123	<p>C11.11 CONSTRUCTION VEHICLES AND MOBILE PLANT (Construction Regulation 23)</p> <p>The contractor and sub-contractors shall ensure that all operated workers received training and been certified competent to operate such vehicle and are physical and psychological fit to operate such construction vehicles and mobile plants. And shall be recorded in the health and safety file</p> <p>Fixed:_____Value related:_____Time related:_____</p>	Item	
124	<p>C11.12 TRAINING (Construction Regulation 8 (c))</p> <p>The contractor and sub-contractors shall, before commencing any construction work, submit his training program of all his employees. This program shall from part of the health and safety plan</p> <p>Fixed:_____Value related:_____Time related:_____</p>	Item	
125	<p>C11.13 DEMOLITION WORK (Construction Regulation 14)</p> <p>The contractor shall, before any demolition work shall carried out, submit all method of demolition to be used. This method shall form part of the health and safety plan and file.</p> <p>Fixed:_____Value related:_____Time related:_____</p>	Item	
Carried to Collection			R
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C11.14 REMOVAL AND DISPOSAL OF ASBESTOS MATERIAL (Asbestos Abatement Regulation)

The principal contractor shall appoint a contractor that is registered with the Department of Labour as an AIA. The contractor must allow for,
**NOTIFICATION OF ASBESTOS PROCESSING
PERSONAL PROTECTIVE EQUIPMENT
PACKAGING AND TRANSPORT AND STORAGE TO DISPOSAL SITE
DEMOLITION WORK OF SHEETS
LABELLING AND INFORMATION**

Fixed: _____ Value related: _____ Time related: _____

Item

Carried to Collection

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Preliminaries

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Item No		Unit	Quantity	Rate	Amount R
	<p><u>SECTION 2</u></p> <p><u>BILL NO. 1</u></p> <p><u>ALTERATIONS</u></p> <p><u>PREAMBLES</u></p> <p>Tenderers are to refer to the Model Preambles for Trades 2017 as published by the Association of South African Quantity Surveyors and supplementary preambles for further description and amplification of work in this section</p> <p>The descriptions given in the various items below are not necessarily full and complete and reference must be made to the "Standard Preambles to All Trades", "Supplementary Preambles" and "Supplementary Specifications" to this contract for the full requirements of each scheduled item</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>View site</u></p> <p>Before submitting his tender, the contractor shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials contained in the buildings or portions of the buildings to be demolished. No claim for any variations of the contract sums in respect of the nature and extent of the work or of inferior or damaged materials will be entertained</p> <p><u>General</u></p> <p>The contractor shall carry out the whole of the works with as little mess and noise as possible and with a minimum of disturbance to adjoining premises. He shall provide proper protection and provide, erect and remove when directed, any temporary tarpaulins that may be necessary during the progress of the works, all to the satisfaction of the principal agent</p> <p>Water supply pipes and other piping that may be encountered and found necessary to disconnect or cut, shall be effectually stopped off or grubbed up and removed, and any new connections that may be necessary shall be made with proper fittings, to the satisfaction of the principal agent</p> <p style="text-align: right;">Carried to Collection</p> <p>SECTION NO.2 – ASBESTOS REPLACEMENT Bill No. 1 Alterations</p>				
				R	

<p>Doors, fanlights, fittings, frames, linings, etc. which are to be re-used shall be thoroughly overhauled before re-fixing including taking off, easing and rehangings, cramping up, re-wedging as required and making good cramps, dowels, etc., and easing, oiling, adjusting and repairing ironmongery as necessary, replacing any glass damaged in removal or subsequently and stopping up all nail and screw holes with tinted plastic wood to match timber, unless otherwise described. Re-painting or re-varnishing is given separately.</p> <p>Prices for taking out of doors, windows, etc. shall include for removal of all beads, architraves, ironmongery, etc.</p> <p>Prices for taking out and removing doors and frames shall include for removing door stops, cabin hooks, etc. and making good floor and wall finishes to match existing</p> <p>With regard to building up of openings in existing walls, cement screeds and pavings, granolithic, tops of walls, etc., shall be levelled and prepared for raising of brickwork</p> <p>Making good of finishes shall include making good of the brick and concrete surfaces onto which the new finishes are applied, where necessary</p> <p>The contractor will be required to take all dimensions affecting the existing buildings on the site and he will be held solely responsible for the accuracy of all such dimensions were used in the manufacture of new items (doors, windows, fittings, etc.)</p> <p>Asbestos work may only be performed subject to prior approval of the Provincial Director, Occupational Health and Safety, department of Labour in writing</p> <p>Proof of such notification must be applied to the Client prior to work proceeding. All employees must be informed and receive training on aspects such as the contents and scope of the Asbestos Regulations as published in Government Gazette 23108 dated 10 February 2002, the potential risks of exposure to asbestos, precautionary measures employees have to take and all other requirements deemed necessary to provide a safe and healthy environment for all employees as specified by the Asbestos Regulations as indicated above. Disposal shall be done under strict accordance with the act.</p>				
Carried to Collection				
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Contractors will be held responsible for all damage, however caused, to ceilings, finishes, etc. inside rooms where the existing roof coverings have been removed and he must make good all damage at his own expense to the approval of the employer. Contractors are to Cover and maintain existing roofs in a perfectly watertight condition during alterations by means of heavy tarpaulins properly secured and maintained in position to the approval of the Employer and make good all work damaged or distributed after completion

GENERAL

Protection from damage

- | | | | | | |
|---|---|------|---|--|--|
| 1 | All floors, doors, windows, fittings, ceilings, roofs, etc. not to be removed and become the property of the Contractor shall be adequately protected from damage during the progress of the works and any damage resulting from the repairs, renovations, alterations or demolitions shall be made good by the Contractor at his own expense | Item | 1 | | |
|---|---|------|---|--|--|

Temporary barriers, screens, etc. including removal

- | | | | | | |
|---|--|------|---|--|--|
| 2 | Security and safety warning tapes and signage to enclose the Works where necessary | Item | 1 | | |
| 3 | Any temporary tarpaulins, dust and weatherproof screens and barriers that may be necessary for protection of the Works | Item | 1 | | |

Contractors will be held responsible for all damages, however caused, to floors, finishes, etc. inside rooms where the existing roof coverings have been removed and he must make good all damages at his own expense to the approval of the Principal Agent

Take down and remove asbestos roof coverings, gutters, downpipes and accessories

- | | | | | | |
|---|---|------|---|--|--|
| 4 | The contractor is to price opposite this item for all costs associated with providing full compliance with the Asbestos Abatement Regulations, 2020 and safe disposal in terms of the National Environmental Management: Waste Act, 2008 (Act No. 59 of 2008) for type 1 Asbestos Work in conjunction with the Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) (Regulation 10 of the Asbestos Abatement Regulations, 2020) on behalf of the employer including notifying the Chief Director: Provincial Operations via Annexure 2, 'Notification of Asbestos Work' confirming in writing of the location, venue and contact details of where the asbestos work will be done, at least seven days prior to commencement of such work | Item | 1 | | |
|---|---|------|---|--|--|

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SECTION NO.2 – ASBESTOS REPLACEMENT
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5	The contractor is to price opposite this item for all costs associated with obtaining and providing and obtaining appropriate safe disposal certificates from the asbestos disposal site, contemplated in sub-regulation (e), for all asbestos waste removed from the workplace. All asbestos waste must be disposed of only on sites specifically designated for this purpose in terms of the Environment Conservation Act, 1989, and the National Environmental Management: Waste Act, 2008.	Item	1		
	<u>REMOVAL OF EXISTING WORK</u>				
6	Carefully take out and remove existing asbestos fascias	m	419		
7	Carefully take out and remove existing asbestos barge boards	m	167		
8	Carefully take out and remove existing asbestos gutters and downpipes	m	467		
	<u>Taking down and removing roofs, floors, paneling, ceilings, partitions, etc.</u>				
9	Carefully take out and remove asbestos big six roof coverings to including, underlay, timber purlins, fixings, trusses etc. (By specialist Sub-Contractor)	m2	1874		
10	Carefully take out and remove existing IBR roof covering to including, underlay, timber purlins, fixings, etc.	m2	390		
11	Carefully take out and remove PVC half round or box gutters including aluminium profiled gutters	m	50		
12	Carefully take down and remove downpipes including outlet, bends, and shoes	m	90		
13	Gypsum plasterboard ceilings, including cornices, timber bandering, etc	m2	110		
	Carried to Collection			R	
	SECTION NO.2 – ASBESTOS REPLACEMENT				
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	<u>Taking out and removing doors, windows, etc. including thresholds, sills, etc. (building up openings or replacing measured elsewhere)</u>				
14	Carefully remove damaged 44mm Framed and ledge flush timber door size 813 x 2032mm high	No	10		
15	Carefully remove damaged 40mm semi solid hollow core door size 813 x 2032mm high	No	10		
	<u>Hacking up/off and removing ceramic tile floor and wall finishes including removing mortar bed or backing and preparing concrete or brick surfaces for new screed, plaster or tile finishes</u>				
16	Tiles to floors	m2	100		
17	Tiles to treads and risers	m2	5		
	<u>Taking out and removing piping, sanitary fittings, etc. including disconnecting piping from fittings and making good floor and wall finishes where required (making good tiling and paintwork elsewhere)</u>				
18	Wash hand basins including taps	No	5		
19	Stainless steel curved back trough urinal	No	1		
20	Vitreous china WC pan with cistern	No	15		
	<u>MAKING GOOD OF FINISHES ETC</u>				
	<u>Carefully inspect, repair and make good existing roof coverings and other related elements</u>				
21	Inspect existing roof sheets, refix/replace any damaged areas with new to match existing excluding existing asbestos roofs	m2	160		
22	Inspect existing gutters and downpipes and replace any damaged areas with new to match existing excluding asbestos gutters and down pipes	m	50		
	Carried to Collection			R	
	SECTION NO.2 – ASBESTOS REPLACEMENT				
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	<u>Clean down and remove & replace broken glazing where necessary, putty and overhaul existing metal windows / doors including replacing all brass window catches, stays, ironmongery and rubbing down all metalwork thoroughly to prepare for new paint</u>				
23	Metal pane windows approximate size 940 x 1460mm	No	60		
24	Metal pane windows approximate size 1020 x 1240mm	No	80		
25	Metal pane windows approximate size 425 x 740mm	No	10		
26	Metal pane windows approximate size 660 x 920mm	No	30		
	<u>Stitching existing brick walls</u>				
27	10 x 30 x 0.5mm 'Menlath 213' mesh strips 205mm wide fixed by shot pinning or nail fixing to masonry walls over cracks exceeding 0.5mm but exceeding 2mm extending 100mm to either side of crack to both faces of the masonry wall	m	150		
	<u>Remove and replace existing brick walls</u>				
28	Remove and replace existing brickwork where cracks exceed 10mm.	m2	200		
	<u>Making good external or internal cement plaster</u>				
29	Walls in patches	m2	200		
	<u>Making good classroom floor slabs</u>				
30	Saw cut existing floor cracks and fill with 20Mpa concrete with a steel float finish	m2	275		
31	20mm screed to existing floors	m2	750		
	Carried to Collection			R	
	SECTION NO.2 – ASBESTOS REPLACEMENT				
	Bill No. 1				
	Alterations				

Item No		Unit	Quantity	Rate	Amount R
	<u>SECTION 2</u>				
	<u>BILL NO. 2</u>				
	<u>EARTHWORKS</u>				
	<u>PREAMBLES</u>				
	<p>The contractor is referred to the Model Preambles for Trades (2017 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p>				
	<u>SUPPLEMENTARY PREAMBLES</u>				
	<p>Proprietary products in descriptions: Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.</p>				
	<p>Nature of material to be excavated: The material to be excavated is assumed to be predominantly of a composition that will allow excavation in "earth" as specified but including a percentage of excavation in "soft rock" and "hard rock".</p>				
	<p>Carting away of excavated material: Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations, or alternatively, from stockpiles situated on the building site.</p>				
	<p>Dewatering of excavations: The Contractor shall allow for removing seepage and other water from subterranean sources from the excavations by pumping, baling or otherwise. Accurate records of all such dewatering shall be kept determining the total volume of water so removed and a clear distinction shall be made between water</p>				
	<p>Density testing on filling: Rates for filling, etc. shall include for all density and soil type testing to prove that the specified compaction is achieved. When additional testing is done on instruction of the Principal Agent and these tests are successful, they will be paid for additionally.</p>				
	Carried to Collection				R
	SECTION NO.2 - ASBESTOS REPLACEMENT				
	Bill No. 2				
	Earthworks				

	Imported fill: "Filling and bedding to trenches etc. to be in compliance with SABS 1200 DB and LB respectively"				
	<u>EXCAVATION, ETC</u>				
	<u>Site clearance etc.:</u>				
1	Allow for clearing the area of the site to be built upon of all grass, weeds, shrubs, trees with trunks not exceeding 200mm girth, debris, etc., including grubbing up all roots, scoffling up as required and cart away all vegetation and debris.	m2	750		
	<u>Excavation not exceeding 1m deep:</u>				
2	(a) Soft - Intermediate Material	m3	350		
3	(b) Hard/Rock Material	m3	30		
4	(c) Concrete	m3	30		
5	(d) Brickwork	m3	35		
	<u>Extra over all excavations for carting away:</u>				
6	Surplus material from excavations and/or stockpiles on site to a dumping site to be located by the contractor.	m3	500		
	<u>EARTH FILLING, ETC.</u>				
	<u>Earth filling obtained from the excavations and / or prescribed stockpiles on site compacted to 93% Mod. AASHTO density:</u>				
7	- Backfilling to trenches, holes, under floors, steps, pavings, etc.	m3	150		
	<u>Earth filling supplied by the contractor, spread and levelled in layers not exceeding 300mm deep and compacted to 95% Mod AASHTO density (Minimum Quality G7):</u>				
8	Under floors, steps, pavings, etc.	m3	200		
	<u>Compaction of surfaces:</u>				
9	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.	m3	250		
	Carried to Collection			R	
	SECTION NO.2 – ASBESTOS REPLACEMENT				
	Bill No. 2				
	Earthworks				

10	<p>PROTECTION AGAINST TERMITES</p> <p><u>Soil insecticide</u></p> <p>Under floors, etc. including forming and poisoning shallow furrows against foundation walls, etc. and filling in furrows and ramming</p> <p>Carried to Collection</p> <p>SECTION NO.2 – ASBESTOS REPLACEMENT Bill No. 2 Earthworks</p>	m2	950		R
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<p>Section No. 2</p> <p>Bill No. 2</p> <p>Earthworks</p> <p><u>COLLECTION PAGE</u></p> <p>Total Brought Forward from Page No.</p> <p>Total Brought Forward from Page No.</p> <p>Total Brought Forward from Page No.</p> <p>Carried Forward to Summary of Section No.</p> <p>SECTION NO.2 - ASBESTOS REPLACEMENT</p> <p>Bill No. 2</p> <p>Earthworks</p>		<p>Page No</p> <p>47</p> <p>48</p> <p>49</p>		<p>Amount R</p>
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<u>SECTION 2</u>				
<u>BILL NO. 3</u>				
<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>				
<u>PREAMBLES</u>				
The contractor is referred to the Model Preambles for Trades (2017 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.				
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>Proprietary products in descriptions:</u>				
Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.				
Cost of tests: The costs of making, storing and testing of concrete test cubes as required under clause 7 'Tests' of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the Architect. The testing shall be undertaken by an independent firm or institution nominated by the Contractor to the approval of the Architect. (Test cubes are measured separately).				
Formwork: Descriptions of formwork shall be deemed to include use and waste only (except where described as left in or permanent), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before reuse.				
The vertical strutting shall be carried down to such construction as is sufficiently strong to afford the required support without damage and shall remain in position until the newly constructed work is able to support itself.				
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SECTION NO.2 - ASBESTOS REPLACEMENT				
Bill No. 3				
Concrete, Formwork and Reinforcement				

Formwork to soffits of solid slabs etc., shall be deemed to be to slabs not exceeding 250mm thick unless otherwise described.

Formwork necessitated by irregularity or collapse of excavated faces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavations, provision for which is made in Earthworks.

REINFORCED CONCRETE CAST ON FORMWORK

20MPa/19mm concrete:

1	Concrete Apron Slab and walkways (mesh ref. 193) inclusive of required formwork and formation	m3	60	
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2	Concrete Lined V-drains (mesh ref. 193) inclusive of required formwork and formation	m3	25	
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CONCRETE TESTS

3	Allow for all necessary concrete test cubes, size 150x150x150mm, 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 transporting to an approved laboratory for testing, paying all charges and submitting reports to the Principal Agent. (Provisional)	No	21	
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CONCRETE SUNDRIES

Finishing top surfaces of concrete smooth with a wood float:

4	V-Drains	m2	372	
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Finishing top surfaces of concrete to an evenly ribbed non-slip surface (broom finish):

5	Aprons and walkways	m2	550	
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MOVEMENT JOINTS ETC

6	Approved polysulphide sealing compound including backing cord, bond breaker, primer etc.:	m	400	
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Carried to Collection

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SECTION NO.2 – ASBESTOS REPLACEMENT
Bill No. 3
Concrete, Formwork and Reinforcement

Section No. 2				
Bill No. 3				
Concrete, Formwork and Reinforcement				
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SECTION NO.2 - ASBESTOS REPLACEMENT				
Bill No. 3				
Concrete, Formwork and Reinforcement				

Item No		Unit	Quantity	Rate	Amount R
	<p><u>SECTION 2</u></p> <p><u>BILL NO. 4</u></p> <p><u>ROOF COVERINGS</u></p> <p><u>PREAMBLES</u></p> <p>The contractor is referred to the Model Preambles for Trades (2017 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>PROFILED METAL SHEETING AND ACCESSORIES</u></p> <p>Note The Contractor is to submit a certificate signed by the merchant, stating that the galvanised roof covering supplied complies with the required thickness specified</p> <p><u>0,53mm thick AZ150 novetexi 440 concealed-fix roofing profile aluminium zinc coated sheet steel with silicone polyester finish on one side fixed to timber purlins or rails in strict accordance to manufacturer's instructions</u></p>				
1	<p>Roof covering with pitch not exceeding 25 degrees</p> <p><u>0,53mm thick AZ150 novetexi 440 concealed-fix roofing profile aluminium zinc coated sheet steel accessories to preceding roof covering and side cladding with approved finish of approved standard colour on one side and standard grey backing finish on reverse side</u></p>	m2	2265		
2	Ridge capping 462mm girth	m	202		
	<p style="text-align: right;">Carried to Collection</p> <p>SECTION NO.2 – ASBESTOS REPLACEMENT Bill No. 4 Roof Covering</p>			R	

ROOF AND WALL INSULATION				
<u>Aluminium foil based insulation</u>				
3	4mm Approved (fire retardant grade) white polyethylene coated single sided aluminium foil insulation (code 2906), laid taut over steel purlins complying with SANS 428, and fixed concurrently with roof covering including white PVC coated straining wires at 383mm centres, all in accordance with the manufacturer's recommendations.	m2	2265	
Carried to Collection			R	
SECTION NO.2 – ASBESTOS REPLACEMENT				
Bill No. 4				
Roof Covering				

Item No		Unit	Quantity	Rate	Amount R
	<p><u>SECTION 2</u></p> <p><u>BILL NO. 5</u></p> <p><u>CARPENTRY AND JOINERY</u></p> <p><u>PREAMBLES</u></p> <p>The contractor is referred to the Model Preambles for Trades (2017 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>FITTINGS GENERAL</u></p> <p>Where fittings have been measured as complete units i.e. the components of the units have not been separately measured, the descriptions of such units shall be deemed to include all components, assembling, housing, notching, glueing, blocking, planting on and screwing with countersunk screws, edge strips, decorative plastic finish, glass, ironmongery, metalwork, paint or varnish finishes, etc.</p> <p>Unless specifically stated, or where no finish is given, finishes to all joinery fittings shall be three coats polyurethane clear semi-gloss varnish to all exposed surfaces</p> <p><u>PARTICLE BOARD</u></p> <p>Particle board shall comply with the following specifications: a) SABS 1300 Particle board: exterior and flooring type b) SABS 1301 Particle board: interior type</p> <p><u>DECORATIVE LAMINATE FINISH</u></p> <p>Laminate finish shall be glued under pressure. Edge strips shall be butt jointed at junctions with adjacent similar finish</p> <p style="text-align: right;">Carried to Collection</p> <p>SECTION NO.2 – ASBESTOS REPLACEMENT Bill No. 5 Carpentry And Joinery</p>				
				R	

CONSTRUCTION

Construction of fittings shall be generally of wood, screwed and glued with pelleted heads where visible. All materials used must be of the best quality fabricate approved by the Representative / Agent and all the units to be finished neat and true prior to installation and finishing

PREFABRICATED METAL CONNECTOR PLATE TIMBER ROOF TRUSSES

a. All the roof trusses to be designed and constructed with softwood structural timber to include for live loads, wind loads and to take profiled metal roof covering, purlins and fibre cement or gypsum plasterboard ceilings with bracing. Each roof truss shall have all its members accurately cut and close butted together and rigidly fixed by CSIR approved patented galvanised metal spike connectors, fixed on both sides of each intersection by an approved method, all in accordance with the manufacturer's instructions.

b. Unless otherwise described all rafter feet are to extend approximately 850mm beyond the length of the tie beam, with end splayed cut.

c. The design, manufacture and transportation of the roof trusses, bracing, etc. shall be under the control of a registered Engineer and it shall be required from the manufacturer of the trusses to lodge a written guarantee that his construction has been designed by a qualified Structural Engineer and that he is in possession of a capability certificate issued by the Institute for Timber Construction and approved by the Representative/Agent

d. All timber shall be stress-graded pine or glued laminated timber for construction or engineering purposes in accordance with the specifications of SABS Specification No 563 or as defined in SABS Specification No.1245. Stress-grades shall be marked as specified, viz V4, M4, V6, M6, etc.

e. Erection must be carried out as described in "The Erection and Bracing of Timber Roof Trusses" published by the Truss Plate Association of South Africa Ltd. and the National Timber Research Institute, CSIR.

f. Descriptions of roof trusses shall be deemed to include for design, manufacture, supply, hoisting and fixing in position, trimming ends, notching, ALL TEMPORARY AND PERMANENT BRACING, fixing blocks, etc.

g. All timber must be Grade 7 as per table 3 of SABS 0163-2001

h. All timber screws bolts plate connection or any other type of connector to be in accordance with Annexure 'A' of SABS 0163-2001

Carried to Collection

SECTION NO.2 – ASBESTOS REPLACEMENT

Bill No. 5

Carpentry And Joinery

R

	<p>i. All workshop drawings must be provided to the engineer for approval before fabrication</p> <p>j. The dimensions in the descriptions of the trusses are nominal and actual measurements are to be obtained from the architect drawings and/or the site before design or fabrication commences</p> <p>k. All timber to be treated in accordance with SABS 05</p> <p>l. All exposed timber to be treated with carbolineum</p> <p>m. All roof timber to be treated with fire retardant paint</p> <p><u>Complete prefabricated timber roof truss with a pitch not exceeding 25-degree pitch including all necessary hoisting labour, timber for bracing, purlins, wall plates, gangboards, certificate and guarantee for design and erection to be supplied by truss manufacturer. All exposed timber sections as well as sections in contact with wet trades to be creosote treated before fixing into position.</u></p>				
1	Design, manufacture and deliver on site, plate nailed roof truss construction to Block CR 1 - CR8	m2	650		
2	Design, manufacture and deliver on site, plate nailed roof truss construction to Block SFR - CR13	m2	650		
3	Design, manufacture and deliver on site, plate nailed roof truss construction to Block CR9 -CR12	m2	330		
4	Design, manufacture and deliver on site, plate nailed roof truss construction to Block PO - DPO	m2	80		
5	Design, manufacture and deliver on site, plate nailed roof truss construction to Ablution Block	m2	165		
6	Design, manufacture and deliver on site, plate nailed roof truss construction to STAFF ROOM	m2	110		
7	Design, manufacture and deliver on site, plate nailed roof truss construction to KITCHEN	m2	60		
Carried to Collection				R	
SECTION NO.2 – ASBESTOS REPLACEMENT					
Bill No. 5					
Carpentry And Joinery					

EAVES, VERGES, ETC					
<u>High density plain fibre-cement fascias and barge boards</u>					
7	15 x 225mm Fascias and barge boards, including galvanised steel H-profile jointing strips	m	546		
<u>SKIRTINGS</u>					
<u>Wrought meranti</u>					
8	19 x 76mm Skirting including 19mm quadrant bead nailed	m	795		
<u>EXTERIOR QUALITY FRAMED DOORS</u>					
<u>TDM Hardwood BB doors:</u>					
9	TDM Hardwood BB framed, ledged and braced batten door size 813 x 2021mm with and including 6mm plywood panel	No	15		
10	Semi-solid flush doors with hardwood concealed edge strips and finished both sides with Sapele Mahogany veneer	No	12		
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SECTION NO.2 – ASBESTOS REPLACEMENT					
Bill No. 5					
Carpentry And Joinery					

<p>Section No. 2</p> <p>Bill No. 5</p> <p>Carpentry And Joinery</p> <p><u>COLLECTION PAGE</u></p> <p>Total Brought Forward from Page No.</p> <p>Total Brought Forward from Page No.</p> <p>Total Brought Forward from Page No.</p> <p>Total Brought Forward from Page No.</p> <p>Carried Forward to Summary of Section No.</p> <p>SECTION NO.2 - ASBESTOS REPLACEMENT</p> <p>Bill No. 5</p> <p>Carpentry And Joinery</p>		<p>Page No</p> <p>58</p> <p>59</p> <p>60</p> <p>61</p>		<p>Amount R</p>
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Item No		Unit	Quantity	Rate	Amount R
	<p><u>SECTION 2</u></p> <p><u>BILL NO. 6</u></p> <p><u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u></p> <p><u>PREAMBLES</u></p> <p>The contractor is referred to the Model Preambles for Trades (2017 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Descriptions</u></p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins or shot pinned to brickwork or concrete</p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres, and were described as "bolted", the bolts are measured elsewhere</p> <p><u>Ceilings</u></p> <p>Unless otherwise described ceilings shall be deemed to be horizontal</p> <p><u>NAILED UP CEILINGS</u></p> <p><u>4.6mm fibre-cement boards with H-type pressed steel jointing strips</u></p>				
1	<p>Ceilings including 38 x 38mm sawn softwood brandering</p>	m2	1537		
	<p style="text-align: right;">Carried to Collection</p> <p>SECTION NO.2 – ASBESTOS REPLACEMENT Bill No. 6 Ceilings, Partitions and Access Flooring</p>			R	

Ceilings, Partitions and Access Flooring

<p>Section No. 2</p> <p>Bill No. 6</p> <p>Ceilings, Partitions and Access Flooring</p> <p><u>COLLECTION PAGE</u></p> <p>Total Brought Forward from Page No.</p> <p>Total Brought Forward from Page No.</p> <p>Carried Forward to Summary of Section No.</p> <p>SECTION NO.2 - ASBESTOS REPLACEMENT</p> <p>Bill No. 6</p> <p>Ceilings, Partitions and Access Flooring</p>		<p>Page No</p> <p>63</p> <p>64</p>		<p>Amount R</p>
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Item No		Unit	Quantity	Rate	Amount R
	<p><u>SECTION 2</u></p> <p><u>BILL NO. 7</u></p> <p><u>TILING</u></p> <p><u>PREAMBLES</u></p> <p>The contractor is referred to the Model Preambles for Trades (2017 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Descriptions</u></p> <p>Unless described as "fixed with adhesive to plaster (plaster elsewhere)" descriptions of tiling on brick or concrete walls, columns, etc. shall be deemed to include 1:4 cement plaster backing and descriptions of tiling on concrete floors etc. shall be deemed to include 1:3 plaster bedding</p> <p>Prime cost amounts shall include for ordering of materials from drawings and delivery of materials to site. The areas measured are the net area of tiling laid and the contractor shall include in his rate for all waste of materials, approved adhesive, jointing compound, labour to complete and mark-up.</p> <p><u>FLOOR TILING</u></p> <p><u>"Laos Perla Grey" or similar equal approved" 565 x 565mm ceramic tiles laid and fixed with approved adhesive to screeds (screeds elsewhere) and flush pointed with tinted anti bacteria waterproof jointing compound in strict accordance with manufacturer's instructions</u></p>				
1	On floors and landings	m2	200		
2	100mm High tile skirting including cutting tile	m	150		
3	Stepped over treads and risers	m2	5		
	Carried to Collection			R	
	SECTION NO.2 – ASBESTOS REPLACEMENT Bill No. 7 Tiling				

[illegible]

Item No		Unit	Quantity	Rate	Amount R
	<p><u>SECTION 2</u></p> <p><u>BILL NO. 8</u></p> <p><u>FLOOR COVERINGS, WALL LININGS, ETC</u></p> <p><u>PREAMBLES</u></p> <p>The contractor is referred to the Model Preambles for Trades (2017 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Proprietary products in descriptions:</u></p> <p>Proprietary products shall be used as specified Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.</p> <p><u>Cleaning:</u></p> <p>Rates for floor covering shall include for proper cleaning on completion.</p> <p>VINYL FLOOR COVERINGS, WALL LININGS, ETC.</p> <p>300 x 300 x 2,5mm semi-flexible reinforced vinyl quartz floor tiles, or equal approved, laid to manufacturers specification in patterns to colour of Architects choice:</p>				
1	On smooth screeded floors.	m2	1256		
	<p>POLISH, SEALERS, ETC</p> <p>Clean by stripping and sealing and apply three coats water-based copolymer emulsion or other approved sealer:</p>				
2	On vinyl flooring	m2	1256		
	Carried to Collection			R	
	<p>SECTION NO.2 – ASBESTOS REPLACEMENT</p> <p>Bill No. 8</p> <p>Floor Coverings, Wall Linings, Etc</p>				

Item No		Unit	Quantity	Rate	Amount R
	<p><u>SECTION 2</u></p> <p><u>BILL NO. 9</u></p> <p><u>PLUMBING AND DRAINAGE</u></p> <p><u>PREAMBLES</u></p> <p>The contractor is referred to the Model Preambles for Trades (2017 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>DESCRIPTIONS AND PREAMBLES</u></p> <p>Reference shall be made to other trades for preambles and full descriptions of items not fully described in this trade which shall apply equally to work in this trade, unless otherwise described</p> <p><u>RATES</u></p> <p>Rates for all piping, fittings, etc. shall include for all fixing in position of fittings, cutting of chases in brickwork or concrete, excavation of trenches, backfilling, etc. unless otherwise described</p> <p><u>COPPER PIPES:</u></p> <p>Pipes shall be hard drawn and half-hard pipes of the class stated. Class 0 (thin walled hard drawn) pipes shall not be bent. Class 1 (thin walled half-hard), class 2 (half-hard) and class 3 (heavy walled half-hard) pipes shall only be bent with benders with inner and outer formers. Fittings to copper waste, vent and anti-syphon pipes, capillary solder fittings and compression fittings shall be 'Cobra Watertech' type. Capillary solder fittings shall comply with ISO 2016. Only compression fittings shall be used in walls or in ground.</p> <p><u>HOLES FOR PIPES THROUGH NEW WALLS:</u></p> <p>No allowance for holes and drilling for pipes through new walls has been made in these bills of quantities, price for all holes and making good shall be deemed to be included in the description of pipes.</p> <p style="text-align: right;">Carried to Collection</p> <p>SECTION NO.2 – ASBESTOS REPLACEMENT Bill No. 9 Plumbing And Drainage</p>				
				R	

DIAMETER OF PIPES

Diameters stated for pipes, traps, valves, etc. are internal diameters, except uPVC, polyethylene, stainless steel and copper pipes for which external diameters are stated

REDUCING FITTINGS

Where fittings have reducing ends or branches, they are described as "reducing" In the case of pipes with diameters not exceeding 60mm, only the largest end or branch is given. Should the contractor wish to use other fittings and bushes or reducers, he may do so on the understanding that no claim in this regard will be entertained in the case of pipes with diameters exceeding 60mm, all sizes are given and no claim for extra bushes, reducers, etc. will be entertained

uPVC PIPES AND FITTINGS

Sewer and drainage pipes and fittings shall be according to SABS 791, jointed and sealed with butyl rubber rings Soil, waste and vent pipes and fittings shall be according to SABS 967 and solvent jointed Cold water supply pressure pipes and fittings shall be according to SABS 966 and jointed by means of the "Lyng" type jointing system Pipes shall be fixed and jointed according to SABS 0112

FIXING OF PIPES

Unless specifically otherwise stated, descriptions of pipes shall be deemed to include fixing to walls etc., casting in, building in or suspending not exceeding 1m below suspension level

EXPOSED CONCRETE SURFACES

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

EXCAVATIONS

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

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

Carried to Collection

SECTION NO.2 – ASBESTOS REPLACEMENT

Bill No. 9

Plumbing And Drainage

R

LAYING, BACKFILLING, BEDDING, ETC. OF PIPES

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

RAINWATER DISPOSAL

Pre-Painted Seamless Aluminium Ogee Gutters, Rainwater Pipes and Accessories in Long Lengths

1	150 x 125 x 150mm High eaves gutter fixed to falls in continuous lengths at not exceeding 600mm centres with and including approved gutter brackets.	m	428		
2	Extra over gutter for stopped end	No	30		
3	Extra over gutter for angle	No	20		
4	Extra over gutter for outlet for 100mm pipe including galvanised wire balloon grating	No	40		
5	100 x 75mm Rainwater pipes fixed to walls with and including approved holderbats at 900mm centres.	m	140		
6	Extra over rainwater pipe for shoe	No	40		
7	Extra over rainwater pipe for eaves or plinth offset	No	40		

SANITARY FITTINGS

8	410 x 710 x 380mm white floor standing water closet and close coupled dual flushing white exposed cistern, including bottom inlet water supply connection, horizontal outlet, and white 'Thermo-soft water closet seat with bottom fixed metal hinges	No	15		
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Polyethylene fittings:

9	Atlas Plastics rotomoulded polyethylene Christy wash hand basin (code: 382AP) 570mm x 395mm wide, or equal approved, with 2 tapholes and 40mm waste outlet, plugged and screwed to the wall with galvanised screws and brackets.	No	8		
10	Stainless steel curved back trough urinal	No	1		

Carried to Collection

R

SECTION NO.2 – ASBESTOS REPLACEMENT

Bill No. 9

Plumbing And Drainage

	<u>WASTE UNIONS ETC</u>				
	- <u>Waste unions etc.:</u>				
11	- 32mm Code 301 chrome plated basin waste union.	No	12		
	- <u>TRAPS ETC</u>				
	- <u>Traps etc.:</u>				
12	- Rubber 32 x 40mm Plain basin P-trap.	No	12		
	<u>TAPS, VALVES, ETC</u>				
	- <u>Pillar taps:</u>				
13	- 15mm chrome plated elbow action raised nose pillar tap with blue/red indicator for cold/hot water (503-21B).	No	12		
	<u>SANITARY PLUMBING</u>				
	- <u>uPVC piping (SABS 967-1987):</u>				
14	40mm Waste piping fixed to walls.	m	15		
15	50mm Ditto.	m	5		
16	110mm Ditto.	m	50		
	<u>Extra over uPVC piping for uPVC fittings:</u>				
17	50mm Bend.	No	5		
18	50 to 40mm Reducer.	No	5		
19	50mm Access bend.	No	5		
20	50mm Access bend with anti-syphon horn.	No	2		
	Carried to Collection			R	
	SECTION NO.2 – ASBESTOS REPLACEMENT				
	Bill No. 9				
	Plumbing And Drainage				

21	50mm Junction.	No	5		
22	110mm Bend.	No	10		
23	110mm Access junction.	No	10		
<u>WATER SUPPLIES</u>					
Polypropylene pipes with thermoplastic couplings:					
24	15mm Pipes fixed to walls.	m	150		
<u>Extra over polypropylene pipes for thermoplastic fittings:</u>					
25	15mm Fittings.	No	20		
<u>FIRE APPLIANCES ETC.</u>					
<u>Portable fire extinguishers:</u>					
26	4.5 Kg carbon dioxide portable chemical fire extinguisher complete with full load, wall hook and bracket, bracket fixed to and including 25 mm Wrot Meranti backboard, size 250 x 500mm high with chamfered edges, varnish and fixed to wall.	No	2		
Carried to Collection				R	
SECTION NO.2 – ASBESTOS REPLACEMENT					
Bill No. 9					
Plumbing And Drainage					

Item No		Unit	Quantity	Rate	Amount R
	<p><u>SECTION 2</u></p> <p><u>BILL NO. 10</u></p> <p><u>IRONMONGERY</u></p> <p><u>PREAMBLES</u></p> <p>The contractor is referred to the Model Preambles for Trades (2017 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent:</p> <p>Finishes to ironmongery:</p> <p>Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list</p> <p>BS Satin bronze lacquered CH Chromium plated SC Satin chromium plated SE Silver enamelled GE Grey enamelled AS Anodised silver AB Anodised bronze AG Anodised gold ABL Anodised black PB Polished brass</p> <p>PL Polished and lacquered PT Epoxy coated SD Sanded NP Nickle plated</p> <p><u>HINGES, BOLTS, ETC.</u></p>				
1	150mm Brass barrel bolt	No	15		
	Carried to Collection			R	
	SECTION NO.2 – ASBESTOS REPLACEMENT Bill No. 10 Ironmongery				

Item No		Unit	Quantity	Rate	Amount R
	<p><u>SECTION 2</u></p> <p><u>BILL NO. 11</u></p> <p><u>PAINTWORK</u></p> <p><u>PREAMBLES</u></p> <p>The contractor is referred to the Model Preambles for Trades (2017 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Descriptions of paintwork shall be deemed to include for all cutting</p> <p><u>PAINT SPECIFICATION</u></p> <p>All materials for paintwork for which South African Bureau of Standards specifications have been published shall comply the requirements of such specifications and shall bear the standardization mark of the South African Bureau of Standards on the container or packing. Materials for paintwork for which no SABS specifications have been published shall be of a brand and manufacture approved by the Director-General prior to its use</p> <p>PAINTWORK, ETC TO NEW WORK ON</p> <p><u>Prepare and apply two coats PVA acrylic emulsion paint on</u></p>				
1	Internal and external walls	m2	6036		
	<p>ON FIBRE-CEMENT</p> <p><u>Prepare and apply one coat zinc chromate to nail heads and H-spline strips, one universal undercoat, stop and apply two finishing coats of eggshell enamel on:</u></p>				
2	Ceilings and cornices, including priming metal cover strips and nail heads ("White" colour group)	m2	1613		
3	Fascias, bargeboards, etc.	m2	380		
	Carried to Collection			R	
	SECTION NO.2 – ASBESTOS REPLACEMENT Bill No. 11 Paint				

<p>Section No. 2</p> <p>Bill No. 11</p> <p>Paint</p> <p><u>COLLECTION PAGE</u></p> <p>Total Brought Forward from Page No.</p> <p>Total Brought Forward from Page No.</p> <p>Carried Forward to Summary of Section No.</p> <p>SECTION NO.2 - ASBESTOS REPLACEMENT</p> <p>Bill No. 11</p> <p>Paint</p>		<p>Page No</p> <p>79</p> <p>80</p>		<p>Amount R</p>
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Item No		Unit	Quantity	Rate	Amount R
	<p><u>SECTION 3</u></p> <p><u>BILL NO. 1</u></p> <p><u>PROVISIONAL SUMS</u></p> <p><u>User note</u></p> <p>Insert preambles/specifications as may be required or in order to supplement any applicable preambles, specifications or bills of quantities descriptions</p> <p>Take note that these Model Bills of Quantities utilise abbreviated descriptions</p> <p><u>General</u></p> <p>Prime cost amounts and provisional sums are net. Prime cost amounts shall include for delivery to site of all articles concerned</p> <p>Provisional sums are for material and equipment supplied and installed complete by firms of specialists</p> <p><u>Profit</u></p> <p>Where stated, the contractor may allow for profit if required</p> <p><u>User note</u></p> <p>Refer hereunder to "nominated subcontractors" or "selected subcontractors" or both as the case may be and in accordance with the relevant building agreement (building contract)</p> <p>Where "attendance" is defined in the relevant subcontract agreement/subcontract, the user is to refer thereto and is to ensure that the designations therein are used. Where "attendance" is not defined in the relevant subcontract agreement/subcontract, the user is to provide a detailed description of the "attendance" required from the contractor</p> <p style="text-align: right;">Carried to Collection</p> <p>SECTION NO.3 – ASBESTOS REPLACEMENT Bill No. 1 Provisional Sums</p>				
				R	

<u>General attendance on nominated/selected subcontractors</u>			
<u>User note</u>			
Use the following descriptions where the JBCC N/S Subcontract Agreement is applicable			
The item "attendance" which follows each provisional sum for nominated/selected subcontractors' work, shall be deemed to cover all the contractor's costs incurred in providing free of charge to the nominated/selected subcontractors the contractor's duties as described in clause 12.2 of the JBCC N/S Subcontract Agreement			
<u>Special attendance on nominated/selected subcontractors</u>			
Where "special attendance" such as unloading, storing, placing in position, providing special power supplies, specific hoisting, craneage and scaffolding requirements, provision of temporary casing and/or other specific protection of the works, special security and clearing away rubbish is required, a separate item describing the specific requirements in detail is to be provided for the pricing of such requirements			
<u>Community Liaison Officer</u>			
1	Provide an amount of R 80 000.00 (Eighty Thousand Rand) nett for Community Liaison Officer's Salary to be omitted in part or whole as instructed by Principal Agent (R10 000 per month)	Item	80 000.00
2	Add for profit upon above, if required.		%
3	Attend upon the above, if required.		%
<u>Electrical Installation</u>			
4	Allow the sum of R 300 000.00 (Three Hundred thousand rand), net, for the electrical installation, complete.	Item	300 000.00
5	Allow for profit		%
6	Allow for attendance		%
Carried to Collection		R	
SECTION NO.3 – PROVISIONAL SUMS			
Bill No. 1			
Provisional Sums			

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Section No	FINAL SUMMARY	Page No	Amount R
1	SECTION NO.1 - PRELIMINARIES	39	
2	SECTION NO.2 - ASBESTOS REPLACEMENT	82	
3	SECTION NO.3 - PROVISIONAL SUMS	85	
	Subtotal		R
	Allow 5% Contingency Amount for the unforeseen and the sum provided is under the sole control of the client and upon approval by the Client Representative and deducted in whole or in part.		R
	Subtotal		R
	ADD: Value added Tax at 15%		R
	TOTAL CARRIED TO FORM OF TENDER		