

PROVISIONAL BILLS OF QUANTITIES
FOR
Asbestos Replacement to Mbozamo Primary School

Item No	Quantity	Rate	Amount
<p>SECTION 1</p> <p>BILL NO. 1</p> <p>PRELIMINARIES</p> <p>MEANING OF TERMS "TENDER / TENDERER"</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>PRELIMINARIES</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>PRICING OF PRELIMINARIES</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>SECTION A: JBCC PRINCIPAL BUILDING AGREEMENT</p>			
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<p>Section No. 1 Bill No. 1 Preliminaries DEVELOPMENT BANK OF SOUTHERN AFRICA</p>			

DEFINITIONS

1 A1.0 DEFINITIONS AND INTERPRETATION

Clause 1.0

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Clause 1.6.4 is amended by replacing it with the following:

No clause

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4 A4.0 DESIGN RESPONSIBILITY

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related: _____

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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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A10.0 WORKS INSURANCES

Clause 10.0

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

10.5 Damage to the Works

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

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10.6 Injury to Persons or loss of or damage to Properties

- (a) The **contractor** shall be liable for and hereby indemnifies the **employer** against any liability, loss, claim or proceeding whether arising in common law or by statute, consequent upon personal injuries to or the death of any person whomsoever arising out of or in the course of or caused by the execution of the **works** unless due to any act or negligence of any person for whose actions the **employer** is legally liable
- (b) The **contractor** shall be liable for and hereby indemnifies the **employer** against any liability, loss, claim or proceeding consequent upon loss of or damage to any moveable or immovable or personal property or property contiguous to the **site**, whether belonging to or under the control of the **employer** or any other body or person, arising out of or in the course of or by reason of the execution of the **works** unless due to any act or negligence of any person for whose actions the **employer** is legally liable
- (c) The **contractor** shall, upon receiving a **contract instruction** from the **principal agent**, cause the same to be made good in a perfect and workmanlike manner at his own cost and in default thereof the **employer** shall be entitled to cause it to be made good and to recover the cost thereof from the **contractor** or to deduct the same from amounts due to the **contractor**
- (d) The **contractor** shall be responsible for the protection and safety of such portions of the premises placed under his control by the **employer** for the purpose of executing the **works** until the issue of the **certificate of practical completion**

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- (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

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11	A11.0 LIABILITY INSURANCES Clause 11.0 Fixed: _____ Value related: _____ Time related: _____	Item		
12	A12.0 EFFECTING INSURANCES Clause 12.0 Fixed: _____ Value related: _____ Time related: _____	Item		
13	A13.0 No clause	N/A		
14	A14.0 SECURITY Clause 14.0 Clauses 14.1 - 14.8 are amended by replacing them with the following: 14.1 In respect of contracts with a contract sum up to R1 million, the security to be provided by the contractor to the employer will be a payment reduction of five per cent (5%) of the value certified in the payment certificate (excluding VAT) 14.1.1 The payment reduction of the value certified in a payment certificate shall be <i>mutatis mutandi</i> 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			
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14.2 In respect of contracts with a **contract sum** above R1 million, the **contractor** shall have the right to select the **security** to be provided in terms of 14.3, 14.4, 14.5, 14.6, or 14.7 as stated in the **schedule**. Such **security** shall be provided to the **employer** within twenty-one (21) **calendar days** from **commencement date**. Should the **contractor** fail to select the **security** to be provided or should the **contractor** fail to provide the **employer** with the selected **security** within twenty-one (21) **calendar days** from **commencement date**, the **security** in terms of 14.7 shall be deemed to have been selected

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Fixed: _____ Value related: _____ Time related: _____

Item

EXECUTION

15 A15.0 PREPARATION FOR AND EXECUTION OF THE WORKS

Clause 15.0

Clause 15.1.1 is amended by replacing it with:

No clause

Clause 15.1.2 is amended by replacing it with:

The **security** selected in terms of 14.0

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

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

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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: _____

Item

19 A19.0 ASSIGNMENT

Clause 19.0

Fixed: _____ Value related: _____ Time related: _____

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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: _____

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COMPLETION**24 A24.0 PRACTICAL COMPLETION**

Clause 24.0

Fixed: _____ Value related: _____ Time
related: _____

Item

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: _____

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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

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**

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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

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**

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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"

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

Clause 35.0

Fixed: _____ Value related: _____ Time
related: _____**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 contract36.1.4 estate being sequestrated, liquidated or
surrendered in terms of the insolvency laws in force
within the Republic of South Africa36.1.5 in the judgement of the **employer**, has engaged
in **corrupt** or **fraudulent practices** in competing for or
in executing the contractClause 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
whatsoeverFixed: _____ Value related: _____ Time
related: _____**Carried to Collection**

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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)"

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

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39	<p>A39.0 CANCELLATION - CESSATION OF THE WORKS</p> <p>Clause 39.0</p> <p>Clause 39.3.5 is amended by the addition of the following at the end of the sentence:</p> <p>"within one hundred and twenty (120) working days of completion of such a report"</p> <p>Fixed:_____ Value related:_____ Time related:_____</p> <p><u>DISPUTE</u></p>	Item		
40	<p>A40.0 DISPUTE SETTLEMENT</p> <p>Clause 40.0</p> <p>Clause 40.2.2 is amended by replacing "one (1) year" with "three (3) years"</p> <p>Clause 40.6 is amended by removing the reference to:</p> <p>No clause</p> <p>Clause 40.7.1 is amended by replacing "(10)" with "(15)" and by the addition of the following:</p> <p>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</p> <p>Fixed:_____ Value related:_____ Time related:_____</p> <p><u>SUBSTITUTE PROVISIONS</u></p>	Item		
41	<p>A41.0 STATE CLAUSES</p> <p>Clause 41.0</p> <p>Fixed:_____ Value related:_____ Time related:_____</p>	Item		
Carried to Collection			R	
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CONTRACT VARIABLES

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

Clause 42.0

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

Fixed:_____ Value related:_____ Time related:_____

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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 DOCUMENTS44 ***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

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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 SITE50 **B3.1 Defined works area**

Fixed: _____ Value related: _____ Time related: _____

Item

51 **B3.2 Geotechnical investigation**

Fixed: _____ Value related: _____ Time related: _____

Item

52 **B3.3 Inspection of the site**

Fixed: _____ Value related: _____ Time related: _____

Item

53 **B3.4 Existing premises occupied**

Fixed: _____ Value related: _____ Time related: _____

Item

54 **B3.5 Previous work - dimensional accuracy**

Fixed: _____ Value related: _____ Time related: _____

Item

55 **B3.6 Previous work - defects**

Fixed: _____ Value related: _____ Time related: _____

Item

56 **B3.7 Services - known**

Fixed: _____ Value related: _____ Time related: _____

Item

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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
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

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

66 **B5.1 Samples of materials**

Fixed: _____ Value related: _____ Time
related: _____

Item

67 **B5.2 Workmanship samples**

Fixed: _____ Value related: _____ Time
related: _____

Item

68 **B5.3 Shop drawings**

Fixed: _____ Value related: _____ Time
related: _____

Item

69 **B5.4 Compliance with manufacturers' instructions**

Fixed: _____ Value related: _____ Time
related: _____

Item

B6.0 TEMPORARY WORKS AND PLANT

70 **B6.1 Deposits and fees**

Fixed: _____ Value related: _____ Time
related: _____

Item

71 **B6.2 Enclosure of the works**

Fixed: _____ Value related: _____ Time
related: _____

Item

72 **B6.3 Advertising**

Fixed: _____ Value related: _____ Time
related: _____

Item

73 **B6.4 Plant, equipment, sheds and offices**

Fixed: _____ Value related: _____ Time
related: _____

Item

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74	B6.5 Main notice board	Fixed: _____ Value related: _____ Time related: _____	Item
75	B6.6 Subcontractors' notice board	Fixed: _____ Value related: _____ Time related: _____	Item
	<u>B7.0 TEMPORARY SERVICES</u>		
76	B7.1 Location	Fixed: _____ Value related: _____ Time related: _____	Item
77	B7.2 Water	Fixed: _____ Value related: _____ Time related: _____	Item
78	B7.3 Electricity	Fixed: _____ Value related: _____ Time related: _____	Item
79	B7.4 Telecommunication facilities	Fixed: _____ Value related: _____ Time related: _____	Item
80	B7.5 Ablution facilities	Fixed: _____ Value related: _____ Time related: _____	Item
	<u>B8.0 PRIME COST AMOUNTS</u>		
81	B8.1 Responsibility for prime cost amounts	Fixed: _____ Value related: _____ Time related: _____	Item

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**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

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B11.0 GENERAL89 ***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

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

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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: _____ 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	Item		
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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:

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:

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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

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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

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12.2.3 ***Additional agreed preliminaries items***
Details:

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SECTION C: SPECIFIC PRELIMINARIES

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

102 **C1.0 CONTRACT DRAWINGS**

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

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

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

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

Fixed: _____ Value related: _____
Time related: _____

Item

103 **C2.0 GENERAL PREAMBLES**

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

Fixed: _____ Value related: _____
Time related: _____

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104	<p>C3.0 TRADE NAMES</p> <p>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</p> <p>If prior written approval for an alternative product is not obtained, the product described shall be deemed to have been tendered for</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item		
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		
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107 **C6.0 COMMENCEMENT OF WORKS IN SECURITY AREAS**

As the **works** falls within a security area the **contractor** must give the unit commander or other responsible officer notice before commencement of the **works**. Should the **contractor** fail to make such arrangements, admission to the **site** may be refused and any additional costs will be for the **contractor's** account

Fixed: _____ Value related: _____
Time related: _____

Item

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

As the **works** falls within a security area the **contractor** shall obtain entrance permits for his personnel and workmen entering the area and shall comply with all regulations and instructions which may be issued from time to time regarding the protection of persons and property under the control of the Defence Force, Police or chief security officer

Fixed: _____ Value related: _____
Time related: _____

Item

109 **C8.0 SECURITY CHECK OF PERSONNEL**

The **principal agent** may require the **contractor** to have his personnel and workmen, or a certain number of them, security classified

In the event of the **principal agent** requesting the removal of a person or persons from the **works** for security reasons, the **contractor** shall do so forthwith and shall thereafter ensure that such person or persons are denied access to the **works** and the **site** and/or to any document or information relating to the **works**

Fixed: _____ Value related: _____
Time related: _____

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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>
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>
<p style="text-align: right;">Carried to Collection</p> <p>Section No. 1 Bill No. 1 Preliminaries DEVELOPMENT BANK OF SOUTHERN AFRICA</p>	

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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: _____

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C10.4 ACCESS TO CONDOMS

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

Fixed: _____ Value related: _____
Time related: _____

Item

C10.5 MONITORING

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

Fixed: _____ Value related: _____
Time related: _____

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

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

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

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

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

Fixed: _____ Value related: _____
Time related: _____

Item

113 **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: _____
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114	<p>C11.2 HEALTH AND SAFETY PLAN (Construction Regulation 7(1)(a))</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		
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117 **C11.5 SUPERVISION OF CONSTRUCTION WORK
(SAFETY OFFICER) (Construction Regulation 8.5(6))**

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

Fixed: _____ Value related: _____
Time related: _____

Item

118 **C11.6 RISK ASSESSMENT AND SAFETY POLICY
(Construction Regulation 9)**

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.

The Contractor shall at all time 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

Fixed: _____ Value related: _____
Time related: _____

Item

Carried to Collection

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Preliminaries

DEVELOPMENT BANK OF SOUTHERN AFRICA

119 **C11.7 SIGNIFICANT HAZARDA IDENTIFICATION
RISK ASSESSMENT PREPARED BY THE DESIGN
CONSULTANTS**

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

Fixed: _____ Value related: _____
Time related: _____

Item

120 **C11.8 ADDITIONAL FINANCIAL PROVISION**

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

Fixed: _____ Value related: _____
Time related: _____

Item

121 **C11.9 FALL PROTECTION PLAN (Construction
Regulation 10)**

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 an relevant position. The fall protection plan shall form part of the health and safety plan and file

Fixed: _____ Value related: _____
Time related: _____

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DEVELOPMENT BANK OF SOUTHERN AFRICA

122	C11.10 PHYSICAL AND PSYCHOLOGICAL FITNESS (Construction Regulation 7(8)) 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 Fixed:_____ Value related:_____ Time related:_____	Item		
123	C11.11 CONSTRUCTION VEHICLES AND MOBILE PLANT (Construction Regulation 23) 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 Fixed:_____ Value related:_____ Time related:_____	Item		
124	C11.12 TRAINING (Construction Regulation 8 (c)) 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 Fixed:_____ Value related:_____ Time related:_____	Item		
125	C11.13 DEMOLITION WORK (Construction Regulation 14) 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. Fixed:_____ Value related:_____ Time related:_____	Item		
Carried to Collection			R	
Section No. 1 Bill No. 1 Preliminaries DEVELOPMENT BANK OF SOUTHERN AFRICA				

126	<p>C11.14 REMOVAL AND DISPOSAL OF ASBESTOS MATERIAL (Asbestos Regulation)</p> <p>The principle contractor shall appoint a contractor that is registered with the Department of Labour as an AIA. The contractor must allow for;</p> <p>NOTIFICATION OF ASBESTOS PROCESSING PERSONAL PROTECTIVE EQUIPMENT PACKAGING AND TRANSPORT AND STORAGE TO DISPOSAL SITE DEMOLITION WORK OF SHEETS LABELLING AND INFORMATION</p> <p>Fixed:_____ Value related:_____ Time related:_____</p>	Item			
	<p>Carried to Collection</p> <p>Section No. 1 Bill No. 1 Preliminaries DEVELOPMENT BANK OF SOUTHERN AFRICA</p>			R	

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Preliminaries

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Bill No. 1

Preliminaries

DEVELOPMENT BANK OF SOUTHERN AFRICA

	Unit	Quantity	Rate	Amount
<u>BILL NO. 2</u> <u>ALTERATIONS</u>				
<u>SUPPLEMENTARY PREAMBLES</u> <p>Insert preambles/specifications as may be required or in order to supplement any applicable preambles, specifications or bills of quantities descriptions. Take note that these Model Bills of Quantities utilise abbreviated descriptions. The Model Preambles for Trades 2008 published by the Association of South African Quantity Surveyors is designed to support and extend the abbreviated bills of quantities descriptions by inter alia referring to SANS construction standards. Where such model preambles are not applicable none (eg where BS or Euro construction standards are applicable or the design consultants provide other preambles/specifications for insertion), users are to ensure that the abbreviated descriptions when read in conjunction with the applicable measuring system, represents the full description by extending the abbreviated bills of quantities descriptions and/or by inserting appropriate preambles or specifications. Consider inserting the preambles hereunder when using the abovementioned Model Preambles for Trades 2008</p> <p><u>General</u></p> <p>The contractor shall carry out the whole of the works with as little mess and noise as possible and with a minimum of disturbance to adjoining premises and their tenants. He shall provide proper protection and provide, erect and remove when directed, any temporary tarpaulins that may be necessary during the progress of the works, all to the satisfaction of the principal agent</p> <p>Prices for taking out of doors, windows, etc. shall include for removal of all beads, architraves, ironmongery, etc.</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><u>REMOVAL OF EXISTING WORK</u></p> <p><u>Taking out and removing doors, windows, etc. from brickwork to be demolished</u></p>				
1	No	50		
Carried to Collection			R	
Bill No. 2 Alterations				

	Unit	Quantity	Rate	Amount
<u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc.</u>				
2	Pitched roof of timber trusses and purlins, asbestos sheeting, ceilings and cornices, eaves soffit covering, fascias, barge boards, gutters and rainwater pipes	m ²	2 295	
<u>Taking up and removing ceramic floor coverings, vinyl floor coverings, carpets, etc. and preparing screeds for new floor coverings</u>				
3	Damaged floor covering	m ²	1 110	
<u>Taking out/off and removing glass and mirrors</u>				
4	Glass from steel windows, including cleaning out rebates and preparing for new glass	m ²	521	
Carried to Collection				R
Bill No. 2 Alterations				

9

Amount

BILL NO. 2
ALTERATIONS
COLLECTION

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Carried to Summary

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	Unit	Quantity	Rate	Amount
<p><u>BILL NO. 3</u></p> <p><u>MASONRY</u></p> <p>SUPPLEMENTARY PREAMBLES</p> <p>Insert preambles/specifications as may be required or in order to supplement any applicable preambles, specifications or bills of quantities descriptions. Take note that these Model Bills of Quantities utilise abbreviated descriptions. The Model Preambles for Trades 2008 published by the Association of South African Quantity Surveyors is designed to support and extend the abbreviated bills of quantities descriptions by inter alia referring to SANS construction standards. Where such model preambles are not applicable (e.g. where BS or Euro construction standards are applicable or the design consultants provide other preambles/specifications for insertion), users are to ensure that the abbreviated descriptions when read in conjunction with the applicable measuring system, represents the full description by extending the abbreviated bills of quantities descriptions and/or by inserting appropriate preambles or specifications. Consider inserting the preambles hereunder when using the abovementioned Model Preambles for Trades 2008</p> <p><u>BRICKWORK</u></p> <p>Bricks shall be ordered timeously to obtain uniformity in size and colour</p> <p><u>Sizes in descriptions</u></p> <p>Where sizes in descriptions are given in brick units, 'one brick' shall represent the length and 'half brick' the width of a brick</p> <p><u>Sizes in descriptions</u></p> <p>Where sizes in descriptions are given in brick units, one brick shall represent the length and half brick the width of a brick</p> <p><u>User note</u></p> <p>The following preamble generally applies for works in hot and humid coastal areas</p> <p><u>Bagged and sealed walls</u></p> <p>Walls in two skins described as bagged and sealed shall be deemed to include having the outer face of the inner skin bagged with 1:6 cement and sand mixture and sealed with two coats bitumen emulsion waterproofing coating</p> <p>Carried to Collection</p> <p>Bill No. 3 Masonry</p>				
			R	

		Unit	Quantity	Rate	Amount
<u>Face bricks</u>					
Bricks shall be ordered timeously to obtain uniformity in size and colour					
<u>Pointing</u>					
Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc					
<u>BRICKWORK IN SUPERSTRUCTURE</u>					
<u>Brickwork of NFP bricks in class II mortar</u>					
1	Half brick walls in patches	m ²	80		
2	Half brick walls in beamfilling	m ²	260		
3	One brick walls in patches	m ²	28		
<u>BRICKWORK SUNDRIES</u>					
<u>Sundries</u>					
4	Cutting toothings and bonding new brickwork to existing	m ²	50		
<u>2,5mm Brickwork reinforcement</u>					
5	75mm Wide reinforcement built in horizontally where necessary	m	134		
6	150mm Wide reinforcement built in horizontally	m	98		
<u>Prestressed fabricated concrete lintels including necessary temporary supports</u>					
7	75 x 90mm Lintels in lengths not exceeding 3m	m	6		
<u>Galvanised hoop iron cramps, ties, etc.</u>					
8	30 x 1,6mm Cramp 500mm long with one end fixed to timber and other end built into brickwork	No	450		
<u>FACE BRICKWORK</u>					
<u>Brickwork in Corobrik 'Firelight Satin' face bricks pointed with recessed horizontal and vertical joints, or similar approved.</u>					
9	Extra over brickwork in NFX bricks for face brickwork	m ²	28		
Carried to Collection				R	
Bill No. 3 Masonry					

Amount

BILL NO. 3
MASONRY
COLLECTION

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Bill No. 3
Masonry

	Unit	Quantity	Rate	Amount
<u>BILL NO. 4</u> <u>ROOF COVERINGS</u>				
<u>SUPPLEMENTARY PREAMBLES</u> <p>Insert preambles/specifications as may be required or in order to supplement any applicable preambles, specifications or bills of quantities descriptions. Take note that these Model Bills of Quantities utilise abbreviated descriptions. The Model Preambles for Trades 2008 published by the Association of South African Quantity Surveyors is designed to support and extend the abbreviated bills of quantities descriptions by inter alia referring to SANS construction standards. Where such model preambles are not applicable (e.g. where BS or Euro construction standards are applicable or the design consultants provide other preambles/specifications for insertion), users are to ensure that the abbreviated descriptions when read in conjunction with the applicable measuring system, represents the full description by extending the abbreviated bills of quantities descriptions and/or by inserting appropriate preambles or specifications. Consider inserting the preambles hereunder when using the abovementioned Model Preambles for Trades 2008</p>				
<u>ROOF AND WALL INSULATION (CPAP WORK GROUP NO. 122)</u> <p>User note - Where SANS 1381-4 and SANS 0177-3 in the following heading is not applicable, refer to other suitable construction standards or provide full specifications</p>				
<u>PROFILED METAL SHEETING AND ACCESSORIES</u> <p>User Note - Profiled metal sheeting is available in various thicknesses. Usually Z275 spelter galvanising is used in inland areas and Z600 spelter galvanising for coastal areas. However galvanised sheeting is generally not used in coastal areas. When the pitch of troughed roof covering is less than 5 degrees or if dustproofing is required then the description of roof coverings 'with side laps sealed' is to be used. Where roof coverings are fixed on top of rigid board insulation to purlins etc. they are to be described as such. Note that besides galvanised steel, sheeting is also available in corten steel, stainless steel, copper and aluminium</p>				
Carried to Collection			R	
Bill No. 4 Roof Coverings				

	Unit	Quantity	Rate	Amount
<p><u>Klip-loc 700 light industrial pressed steel sheets, powder coated to both sides installed on battens spaced as per manufacturers instructions on damp proofing(elsewhere measured) on and including 38 x 152 rafters, posts, ties and struts.</u></p>				
1	m ²	2 295		
2	m	354		
<p><u>ROOF COVERINGS, CLADDINGS, ETC</u></p> <p>User note -</p> <p>Where BS reference to grades, etc and SANS 92 in the following two headings is not applicable, refer to other suitable construction standards or provide full specifications</p> <p>User Note -</p> <p>Where battens for roof coverings form part of the plate nailed timber roof truss design it shall be included under the roof construction in the Carpentry and Joinery trade and not under this trade</p> <p><u>ROOF AND WALL INSULATION</u></p> <p><u>Multi-layered reinforced double-sided aluminium foil sheeting in accordance with SANS 1381-4 with a mass of not less than 293g/m² and a Class I fire rating in accordance with SANS 0177-3</u></p>				
3	m ²	2 295		
Carried to Collection				R
Bill No. 4				
Roof Coverings				

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Amount

BILL NO. 4
ROOF COVERINGS
COLLECTION

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Bill No. 4
Roof Coverings

	Unit	Quantity	Rate	Amount
<u>BILL NO. 5</u> <u>CARPENTRY AND JOINERY</u>				
<u>SUPPLEMENTARY PREAMBLES</u> <p>Insert preambles/specifications as may be required or in order to supplement any applicable preambles, specifications or bills of quantities descriptions. Take note that these Model Bills of Quantities utilise abbreviated descriptions. The Model Preambles for Trades 2008 published by the Association of South African Quantity Surveyors is designed to support and extend the abbreviated bills of quantities descriptions by inter alia referring to SANS construction standards. Where such model preambles are not applicable none (eg where BS or Euro construction standards are applicable or the design consultants provide other preambles/specifications for insertion), users are to ensure that the abbreviated descriptions when read in conjunction with the applicable measuring system, represents the full description by extending the abbreviated bills of quantities descriptions and/or by inserting appropriate preambles or specifications. Consider inserting the preambles hereunder when using the abovementioned Model Preambles for Trades 2008</p>				
<u>Fixing</u> <p>Items described as 'nailed' shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete</p>				
<u>PLATE NAILED TIMBER ROOF TRUSS CONSTRUCTION ETC</u> <p>References given in descriptions refer to the respective types of trusses detailed on the architect's/engineer's drawings numbered ? annexed to these bills of quantities (accompanying these bills of quantities?) for tender purposes</p>				
<u>PRE-FABRICATED TIMBER ROOF TRUSSES</u>				
1 Detailed shop drawings indicating truss sizes, truss positions, bracings, etc	No	1		
2 Timber Roof Construction including fixing in position of all necessary girders, trusses, rafters, hips, valleys, bracing, cleats, timber connections, purlins, runners, wire ties, etc.	m ²	2 295		
3 Allow for two coats creosote on swan timbers	m ²	565		
Carried to Collection			R	
Bill No. 5 Carpentry And Joinery				

[illegible]

Amount

BILL NO. 5

CARPENTRY AND JOINERY

COLLECTION

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Carried to Summary

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Bill No. 5
Carpentry And Joinery

	Unit	Quantity	Rate	Amount
BILL NO. 6				
<u>CEILING PARTITIONS AND ACCESS FLOORING</u>				
<u>SUPPLEMENTARY PREAMBLES</u>				
Insert preambles/specifications as may be required or in order to supplement any applicable preambles, specifications or bills of quantities descriptions Take note that these Model Bills of Quantities utilise abbreviated descriptions The Model Preambles for Trades 2008 published by the Association of South African Quantity Surveyors is designed to support and extend the abbreviated bills of quantities descriptions by inter alia referring to SANS construction standards . Where such model preambles are not applicable (e.g. where BS or Euro construction standards are applicable or the design consultants provide other preambles/specifications for insertion), users are to ensure that the abbreviated descriptions when read in conjunction with the applicable measuring system , represents the full description by extending the abbreviated bills of quantities descriptions and/or by inserting appropriate preambles or specifications Consider inserting the preambles hereunder when using the abovementioned Model Preambles for Trades 2008				
<u>Fixing</u>				
Items described as 'nailed' shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete				
Items described as 'plugged' shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as 'bolted', the bolts have been given elsewhere				
<u>Ceilings</u>				
Unless otherwise described ceilings shall be deemed to be horizontal				
<u>NAILED-UP CEILINGS</u>				
<u>6,4mm Gypsum plasterboard</u>				
1		Ceilings including standard steel branderling at 300mm centres in one direction only, joined with joinder sections and hung with suspension brackets including standard steel perimeter angles fixed to walls etc.	m²	2 295
2		Extra over ceiling for opening for 600 x 600mm trap door formed of 42 x 42mm wrot softwood rebated framing with on e38 x38mm sawn softwood cross drander covered with ceiling board and fitted flush in opening.	No	12
				R
Carried to Collection				
Bill No. 6 Ceilings Partitions And Access Flooring				

Amount

BILL NO. 6

CEILINGS PARTITIONS AND ACCESS FLOORING

COLLECTION

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Carried to Summary

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Bill No. 6

Ceilings Partitions And Access Flooring

	Unit	Quantity	Rate	Amount
<u>BILL NO. 7</u> <u>FLOOR COVERINGS</u>				
<u>SUPPLEMENTARY PREAMBLES</u> Insert preambles/specifications as may be required or in order to supplement any applicable preambles, specifications or bills of quantities descriptions. Take note that these Model Bills of Quantities utilise abbreviated descriptions. The Model Preambles for Trades 2008 published by the Association of South African Quantity Surveyors is designed to support and extend the abbreviated bills of quantities descriptions by inter alia referring to SANS construction standards. Where such model preambles are not applicable none (eg where BS or Euro construction standards are applicable or the design consultants provide other preambles/specifications for insertion), users are to ensure that the abbreviated descriptions when read in conjunction with the applicable measuring system, represents the full description by extending the abbreviated bills of quantities descriptions and/or by inserting appropriate preambles or specifications. Consider inserting the preambles hereunder when using the abovementioned Model Preambles for Trades 2008.				
<u>FLOOR COVERINGS, WALL LININGS, ETC</u> <u>Fixing</u> Floor coverings, wall linings, etc. shall, where applicable, be fixed with adhesive as recommended by the manufacturers of the flooring, linings, etc.				
<u>FLOOR COVERINGS</u> <u>300 x 300 x 2.5mm "Marley Superflex" fully flexible vinyl tiles</u>				
1	On floors	m ²	1 110	
<u>POLISH, SEALERS, ETC</u> <u>Polish, Sealers, etc.</u>				
2	Two coats wax polish on vinyl flooring	m ²	1 110	
Carried to Summary			R	
Bill No. 7 Floor Coverings				

	Unit	Quantity	Rate	Amount
<u>BILL NO. 8</u> <u>IRONMONGERY</u>				
<u>SUPPLEMENTARY PREAMBLES</u> <p>Insert preambles/specifications as may be required or in order to supplement any applicable preambles, specifications or bills of quantities descriptions. Take note that these Model Bills of Quantities utilise abbreviated descriptions. The Model Preambles for Trades 2008 published by the Association of South African Quantity Surveyors is designed to support and extend the abbreviated bills of quantities descriptions by inter alia referring to SANS construction standards. Where such model preambles are not applicable none (eg where BS or Euro construction standards are applicable or the design consultants provide other preambles/specifications for insertion), users are to ensure that the abbreviated descriptions when read in conjunction with the applicable measuring system, represents the full description by extending the abbreviated bills of quantities descriptions and/or by inserting appropriate preambles or specifications. Consider inserting the preambles hereunder when using the abovementioned Model Preambles for Trades 2008</p>				
<u>Proprietary items</u> <p>Proprietary items</p> <p>Where applicable the manufacturers' names or product catalogue titles are given in sub-headings preceding the items</p> <p>Prices are to be based on the specific products/articles specified. If tenderers wish to offer alternative products/articles for certain items, these items are to be clearly marked and the alternative specification given with supporting brochures etc clarifying the features of the products/articles offered</p> <p>On request returnable samples are to be provided to the principal agent for consideration</p> <p>Where applicable the manufacturers' names or product catalogue titles are given in sub-headings preceding the items. Prices are to be based on the specific products/articles specified. If tenderers wish to offer alternative products/articles for certain items, these items are to be clearly marked and the alternative specification given with supporting brochures etc. clarifying the features of the products/articles offered. On request returnable samples are to be provided to the principal agent for consideration</p>				
Carried to Collection			R	
Bill No. 8 Ironmongery				

	Unit	Quantity	Rate	Amount
<u>LOCKS</u>				
<u>Manufactured by Dorma or similar approved</u>				
1	No	50		
<u>SUNDRIES</u>				
<u>Manufactured by Dorma or similar approved</u>				
2	No	50		
<u>HINGES, BOLTS, ETC</u>				
<u>Manufactured by Union or simillar approved</u>				
3	No	100		
<u>In accordance with architects specification.</u>				
4	No	10		
<u>HANDLES</u>				
<u>In accordance with architects specification.</u>				
5	No	20		
<u>BATHROOM FITTINGS</u>				
<u>In accordance with architects specification.</u>				
6	No	30		
<u>PINNING BOARDS, WRITING BOARDS, PROJECTION SCREENS, ETC.</u>				
7	No	30		
8	No	30		
Carried to Collection			R	
Bill No. 8 Ironmongery				

25

Amount

BILL NO. 8
IRONMONGERY
COLLECTION

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	Unit	Quantity	Rate	Amount
<u>BILL NO. 9</u> <u>METALWORK</u>				
<u>SUPPLEMENTARY PREAMBLES</u> <p>Insert preambles/specifications as may be required or in order to supplement any applicable preambles, specifications or bills of quantities descriptions. Take note that these Model Bills of Quantities utilise abbreviated descriptions The Model Preambles for Trades 2008 published by the Association of South African Quantity Surveyors is designed to support and extend the abbreviated bills of quantities descriptions by inter alia referring to SANS construction standards . Where such model preambles are not applicable (eg where BS or Euro construction standards are applicable or the design consultants provide other preambles/specifications for insertion), users are to ensure that the abbreviated descriptions when read in conjunction with the applicable measuring system , represents the full description by extending the abbreviated bills of quantities descriptions and/or by inserting appropriate preambles or specifications Consider inserting the preambles hereunder when using the abovementioned Model Preambles for Trades 2008</p>				
<u>Descriptions of bolts, anchors, etc</u> <p>Descriptions of bolts shall be deemed to include nuts and washers</p> <p>Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete</p> <p>Items described as holed for bolt(s) shall be deemed to exclude the bolts unless otherwise described</p> <p>Items described as plugged shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres</p>				
<u>Aluminium doors, windows, etc</u> <p>Doors and windows shall comply with AAAMSA design criteria</p>				
Carried to Collection			R	
Bill No. 9 Metalwork				

	Unit	Quantity	Rate	Amount
<p>Glazing shall comply with SAGGA regulations. Glass shall be type ? laminated performance glass as shown on the window schedules/drawings appended to these bills of quantities (as described in the headings to window descriptions?). Glass thickness shall comply with SAGGA regulations irrespective of thicknesses shown on the schedules/drawings</p> <p>Doors and windows shall be supplied with protective tape and plastic and shall be removed only once surrounding trades have been completed</p> <p>For purpose made windows and doors, refer to drawings annexed to (issued separately with?) these bills of quantities</p> <p>The following certificates shall be provided prior to commencement of site work:</p> <p>1 A copy of the relevant AAAMSA Performance Test Certificate from the manufacturer/contractor supplying the architectural aluminium product</p> <p>2 A Certificate of Conformance confirming that anodising or powder coating has been processed in accordance with SANS 999 and SANS 1796 respectively</p> <p>3 A powder guarantee of not less than 15 years issued by the powder manufacturer. The</p> <p>specific conditions contained in this guarantee shall form part of the powder coating process</p>				
Carried to Collection			R	
Bill No. 9 Metalwork				

	Unit	Quantity	Rate	Amount
4 A Certificate of Conformance confirming that glazing has been installed in accordance with SANS 0137, ensuring that safety glazing materials have been installed in the mandatory areas and that each individual pane of safety glazing materials has been permanently marked				
5 A warranty from the manufacturer of the laminated safety glass and/or hermetically sealed glazing units guaranteeing the products against delamination and colour degradation for a period of not less than five years				
<u>PRESSED STEEL DOOR FRAMES</u>				
<u>1,6mm Rebated frames suitable for one brick walls</u>				
1 Frame for door 813 x 2032mm high	No	10		
<u>GALVANISED STEEL WINDOWS, DOORS, ETC</u>				
<u>Standard school windows</u>				
2 Window 960 x 1200mm high	No	15		
<u>STEEL GATES, SCREENS, ETC</u>				
<u>Welded screens and gates to be galvanised</u>				
3 Single gate size 880 x 2040mm high formed of 60 x 40 x 3mm hollow section frame with 2No. 40 x 10mm thick flat horizontal rails welded on to frame and filled in vertically with 10 x10mm rods welded to frame and fitted with hasp and staple welded on	No	30		
Carried to Collection			R	
Bill No. 9 Metalwork				

Amount

BILL NO. 9
METALWORK
COLLECTION

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	Unit	Quantity	Rate	Amount
<u>BILL NO. 10</u> <u>PLASTERING</u>				
<u>SUPPLEMENTARY PREAMBLES</u> Insert preambles/specifications as may be required or in order to supplement any applicable preambles, specifications or bills of quantities descriptions Take note that these Model Bills of Quantities utilise abbreviated descriptions The Model Preambles for Trades 2008 published by the Association of South African Quantity Surveyors is designed to support and extend the abbreviated bills of quantities descriptions by inter alia referring to SANS construction standards . Where such model preambles are not applicable (eg where BS or Euro construction standards are applicable or the design consultants provide other preambles/specifications for insertion), users are to ensure that the abbreviated descriptions when read in conjunction with the applicable measuring system , represents the full description by extending the abbreviated bills of quantities descriptions and/or by inserting appropriate preambles or specifications Consider inserting the preambles hereunder when using the abovementioned Model Preambles for Trades 2008 The following preambles are to be included only when specifically required by the principal agent				
<u>SCREEDS</u>				
<u>Screeds wood floated, on concrete</u>				
1 20mm Thick on floors and landings to receive floor sheeting	m ²	1 110		
2 30mm Thick on floors and landings in patches	m ²	200		
<u>INTERNAL PLASTER</u>				
<u>Cement plaster steel trowelled, on brickwork</u>				
3 On walls in patches	m ²	120		
<u>EXTERNAL PLASTER</u>				
<u>Cement plaster wood floated, on brickwork</u>				
4 On walls in patches	m ²	65		
5 On beamfilling	m ²	435		
Carried to Summary			R	
Bill No. 10 Plastering				

	Unit	Quantity	Rate	Amount
<u>BILL NO. 11</u> <u>PLUMBING AND DRAINAGE</u>				
<u>SUPPLEMENTARY PREAMBLES</u> <p>Insert preambles/specifications as may be required or in order to supplement any applicable preambles, specifications or bills of quantities descriptions Take note that these Model Bills of Quantities utilise abbreviated descriptions The Model Preambles for Trades 2008 published by the Association of South African Quantity Surveyors is designed to support and extend the abbreviated bills of quantities descriptions by inter alia referring to SANS construction standards . Where such model preambles are not applicable (eg where BS or Euro construction standards are applicable or the design consultants provide other preambles/specifications for insertion), users are to ensure that the abbreviated descriptions when read in conjunction with the applicable measuring system , represents the full description by extending the abbreviated bills of quantities descriptions and/or by inserting appropriate preambles or specifications Consider inserting the preambles hereunder when using the abovementioned Model Preambles for Trades 2008</p> <p><u>General</u></p> <p>Descriptions of channels shall be deemed to include necessary excavation, surface preparation, compaction, etc, and disposal of surplus material on site</p> <p>Descriptions of cast iron roof outlets shall be deemed to include joints to pipes and casting into concrete (adaptors for joints to PVC pipes, etc are given separately)</p> <p>Descriptions of overflow pipes where measured in number, shall be deemed to include joints to cisterns and splay cut ends</p> <p>Descriptions of pipes laid in and including trenches and of inspection chambers, catchpits, etc shall be deemed to include excavation, bedding, backfilling, compaction to a minimum of 95% Mod AASHTO density and disposal of surplus material on site</p> <p>Descriptions of service pipes and flexible connecting pipes shall be deemed to include connections to taps, cisterns, etc and to steel pipes (adaptors for connections to copper pipes, etc are given separately)</p> <p>Descriptions of WC pans, slop hoppers, etc shall be deemed to include for joints to soil pipes (pan connectors are separately measured)</p>				
Carried to Collection			R	
Bill No. 11 Plumbing And Drainage				

		Unit	Quantity	Rate	Amount
<u>RAINWATER DISPOSAL</u>					
<u>Seamless aluminium prepainted gutters and rainwater pipes</u>					
1	110mm Diameter rainwater pipes	m	267		
2	150mm Half-round roof gutters	m	708		
3	Extra over gutter for stopped end	No	27		
4	Extra over gutter for angle	No	27		
5	Extra over gutter for outlet for 110mm pipe	No	27		
6	Extra over rainwater pipe for bend	No	27		
7	Extra over rainwater pipe for shoe	No	27		
8	Extra over rainwater pipe for swan-neck	No	27		
<u>SANITARY FITTINGS</u>					
<u>Vaal, or simillar approved</u>					
9	595 x 455mm Cameo 0006 vanity basin mounted in vanity slab complete with all fittings, bottle trap, taps,wastes etc.	No	12		
10	Klip 400010 WC pan with double flap heavy duty plastic seat including flush valve, pan connectors and all necessary fittings.	No	30		
11	Urinal division complete with fixing screw and hanger bracket 115520 or similar approved fixed to wall	No	12		
<u>Budget Allowance</u>					
12	An Allowance of R150 000.00 for Plumbing and Drainage Sundry Items	Lump Sum			
Carried to Collection				R	
Bill No. 11 Plumbing And Drainage					

Amount

BILL NO. 11

PLUMBING AND DRAINAGE

COLLECTION

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Carried to Summary

R

Bill No. 11
Plumbing And Drainage

	Unit	Quantity	Rate	Amount
<u>BILL NO. 12</u> <u>GLAZING</u>				
<u>SUPPLEMENTARY PREAMBLES</u> Insert preambles/specifications as may be required or in order to supplement any applicable preambles, specifications or bills of quantities descriptions Take note that these Model Bills of Quantities utilise abbreviated descriptions The Model Preambles for Trades 2008 published by the Association of South African Quantity Surveyors is designed to support and extend the abbreviated bills of quantities descriptions by inter alia referring to SANS construction standards . Where such model preambles are not applicable (eg where BS or Euro construction standards are applicable or the design consultants provide other preambles/specifications for insertion), users are to ensure that the abbreviated descriptions when read in conjunction with the applicable measuring system , represents the full description by extending the abbreviated bills of quantities descriptions and/or by inserting appropriate preambles or specifications Consider inserting the preambles hereunder when using the abovementioned Model Preambles for Trades 2008				
<u>GLAZING TO STEEL WITH PUTTY</u>				
<u>6,5mm Obscure laminated glass (safety glazing)</u>				
1	Panes exceeding 0,1m ² and not exceeding 0,5m ²	m ²	35	
<u>6mm Clear toughened safety glass</u>				
2	Panes not exceeding 0,1m ²	m ²	223	
Carried to Summary			R	
Bill No. 12 Glazing				

	Unit	Quantity	Rate	Amount
<u>BILL NO. 13</u> <u>PAINTWORK</u>				
<u>SUPPLEMENTARY PREAMBLES</u> <p>Insert preambles/specifications as may be required or in order to supplement any applicable preambles, specifications or bills of quantities descriptions. Take note that these Model Bills of Quantities utilise abbreviated descriptions. The Model Preambles for Trades 2008 published by the Association of South African Quantity Surveyors is designed to support and extend the abbreviated bills of quantities descriptions by inter alia referring to SANS construction standards. Where such model preambles are not applicable (eg where BS or Euro construction standards are applicable or the design consultants provide other preambles/specifications for insertion), users are to ensure that the abbreviated descriptions when read in conjunction with the applicable measuring system, represents the full description by extending the abbreviated bills of quantities descriptions and/or by inserting appropriate preambles or specifications. Consider inserting the preambles hereunder when using the abovementioned Model Preambles for Trades 2008</p>				
<u>PREPARATORY WORK TO EXISTING WORK</u> <u>Previously painted plastered surfaces</u> <p>Surfaces shall be thoroughly washed down and allowed to dry completely before any paint is applied. Blistered or peeling paint shall be completely removed and cracks shall be opened, filled with a suitable filler and finished smooth</p>				
<u>Previously painted metal surfaces</u> <p>Surfaces shall be thoroughly rubbed and cleaned down. Blistered or peeling paint shall be completely removed down to bare metal</p>				
<u>Previously painted wood surfaces</u> <p>Surfaces shall be thoroughly cleaned down. Blistered or peeling paint shall be completely removed and cracks and crevices shall be primed, filled with suitable filler and finished smooth</p>				
<u>ON INTERNAL FLOATED PLASTER SURFACES</u> <u>One coat alkali resistant primer and two coats PVA emulsion paint for interior use</u>				
1	Walls	m ²	6 499	
Carried to Collection			R	
Bill No. 13 Paintwork				

	Unit	Quantity	Rate	Amount
<u>ON EXTERNAL FLOATED PLASTER SURFACES</u>				
<u>One coat alkali resistant primer and two coats superior quality acrylic emulsion paint for interior and exterior use</u>				
2 Walls	m ²	243		
<u>ON INTERNAL GYPSUM PLASTER AND PLASTERD SURFACES</u>				
<u>One coat primer and two coats superior quality acrylic emulsion paint for interior and exterior use</u>				
3 Ceilings and soffits	m ²	3 195		
<u>ON METAL SURFACES</u>				
<u>One coat alkyd based zinc phosphate primer and two coats premium quality polyurethane enamel paint, on steel</u>				
4 Door frames	m ²	12		
5 Windows	m ²	48		
<u>ON WOOD SURFACES</u>				
<u>One coat primer and two coats premium quality polyurethane enamel paint</u>				
6 Doors	m ²	40		
Carried to Collection			R	
Bill No. 13 Paintwork				

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Amount

BILL NO. 13
PAINTWORK
COLLECTION

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Carried to Summary

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	Unit	Quantity	Rate	Amount
<u>BILL NO. 14</u>				
<u>EXTERNAL WORKS</u>				
<u>EXTERNAL WORK</u>				
Insert preambles/specifications as may be required or in order to supplement any applicable preambles, specifications or bills of quantities descriptions				
Take note that these Model Bills of Quantities utilise abbreviated descriptions				
The Model Preambles for Trades 2008 published by the Association of South African Quantity Surveyors is designed to support and extend the abbreviated bills of quantities descriptions by inter alia referring to SANS construction standards . Where such model preambles are not applicable (eg where BS or Euro construction standards are applicable or the design consultants provide other preambles/specifications for insertion), users are to ensure that the abbreviated descriptions when read in conjunction with the applicable measuring system , represents the full description by extending the abbreviated bills of quantities descriptions and/or by inserting appropriate preambles or specifications				
Consider inserting the preambles hereunder when using the abovementioned Model Preambles for Trades 2008				
<u>WATER TANK STANDS</u>				
<u>Excavation in earth not exceeding 2m deep</u>				
1 Trenches	m ³	43		
<u>Risk of collapse of excavations</u>				
2 Sides of trench and hole excavations not exceeding 1,5m deep	m ²	71		
<u>Filing etc</u>				
3 Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 98% Mod AASHTO density	m ³	116		
<u>25MPa/19mm unreinforced concrete</u>				
4 Strip footings	m ³	15		
5 Surface bed	m ³	9		
<u>Finishing</u>				
6 Finishing smooth with a steel trowel	m ²	88		
Carried to Collection			R	
Bill No. 14 External Works				

		Unit	Quantity	Rate	Amount
	<u>One layer 250 micrometer 'Gunplas USB Green waterproof sheeting</u>				
7	Under surface beds	m ²	88		
	<u>Fabric reinformment</u>				
8	Type 193 fabric reinforcement in concrete surface bed, slabs, etc	m ²	88		
	<u>Brickwork of Corobrik NFP bricks in Class II</u>				
9	One brick walls	m ²	96		
	<u>16mm Thick cement plaster (1:5)</u>				
10	Walls	m ²	96		
	<u>One coat alkali-resistant primer and two finishing coating PVA emulsion</u>				
11	Plastered walls	m ²	96		
	<u>Galvanised hooks</u>				
12	Holding hooks and wire	No	40		
	<u>WATER TANKS</u>				
	<u>JojoTanks</u>				
13	5000L "Jojo" or similar approved polyethylene water	No	10		
	<u>TAPS, VALVES, ETC</u>				
	<u>"Cobra watertech" or equal and approved</u>				
14	15mm Rough brass hose bib tap as 'Cobra Watertech' Ref. No. 108-15 or equal and approved including hose union, wall plate elbow, etc, with couplings for copper	No	10		
	<u>CONCRETE STORMWATER CHANNELS</u>				
	<u>Stormwater channels</u>				
15	100mm thick 1000mm wide concrete reinforced with mesh (ref 193), set above 250 micro Gunplas USB Green DPC. Rate to include earthworks and all necessary items	m	200		
Carried to Collection				R	
Bill No. 14					
External Works					

Amount

BILL NO. 14

EXTERNAL WORKS

COLLECTION

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Carried to Summary

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Bill No. 14

External Works

BILL NO. 15**PROVISIONAL SUMS****PROVISIONAL SUMS****SUPPLEMENTARY PREAMBLES****User note**

Insert preambles/specifications as may be required or in order to supplement any applicable preambles, specifications or bills of quantities descriptions

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Profit

Where stated, the contractor may allow for profit if required

BUDGETARY ALLOWANCES**Sundry building work**

- 1 Provide the sum of R 400 000,00 (Four Hundred Thousand Rands) for sundry building works

Item 400 000 00

ELECTRICAL, ELECTRONICAL AND MECHANICAL INSTALLATIONS**Electrical installation**

- 2 Provide the sum of R 1 000 000,00 (One Million Rand) for Electrical installation
- 3 Profit
- 4 Attendance

Item 1 000 000 00

Item

Item

Carried to Summary

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Bill No. 15

Provisional Sums

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8	IRONMONGERY	26	
9	METALWORK	30	
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	ADD: CONTINGENCIES		
	Allow 5% for contingencies, to be used by the Principal Agent in terms of Clause 17 of the Principal Building Agreement.		
	Carried to Next	R	
	SUMMARY		

	Brought from Previous	R	Amount
SubTotal excluding Value Added Tax			
ADD VAT @ 15%:			
Carried to Tender		R	
SUMMARY			

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