

Item No		Quantity	Rate	Amount
	<p><u>SECTION 1</u></p> <p><u>BILL No. 1</u></p> <p><u>PRELIMINARIES</u></p> <p><u>MEANING OF TERMS "TENDER / TENDERER"</u></p> <p>Any reference to the words "Tender" or "Tenderer" herein and/or in any other documentation shall be construed to have the same meaning as the words "Bid" or "Bidder"</p> <p><u>PRELIMINARIES</u></p> <p>The JBCC Preliminaries Code 2103, May 2005 edition for use with the JBCC Principal Building Agreement Edition 4.1 Code 2101, March 2005 is taken to be incorporated herein. The tenderer is deemed to have referred to these documents for the full intent and meaning of each clause. These clauses are referred to by number and heading only. Where standard clauses or options are not applicable to the contract such modifications or corrections as are necessary are given under each relevant clause. Where an item is not relevant to this specific contract such item is marked. "N/A" signifying "Not Applicable".</p> <p><u>PRICING OF PRELIMINARIES</u></p> <p>Should Option A, as set out in clause B10.3.1 hereinafter be used for the adjustment of preliminaries then each item priced is to be allocated to one or more of the three categories Fixed, Value Related or Time Related and the respective amounts entered in the spaces provided under each item</p> <p>Items not priced in these Preliminaries shall be deemed to be included elsewhere in these Bills of Quantities.</p> <p><u>SECTION A: JBCC PRINCIPAL BUILDING AGREEMENT</u></p> <p><u>DEFINITIONS</u></p> <p>A A1 DEFINITIONS AND INTERPRETATION</p> <p>Clause 1.0 Clause</p> <p>1.1 Definition of "Commencement Date" is added:</p> <p>Carried to Collection</p> <p>Section No. 1 Section No.1- Preliminaries and General Bill No. 1 Preliminaries</p>			
			R	

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Clause 1.6.4 is amended by replacing it with the following:

No clause

Fixed: _____ Value related: _____ Time related: _____

Item

OBJECTIVE AND PREPARATION

E A2 OFFER, ACCEPTANCE AND PERFORMANCE

Clause 2.0

Fixed: _____ Value related: _____ Time related: _____

Item

F A3 DOCUMENTS

Clause 3.0

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

Clause 3.7 is amended by the addition of the following:

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

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

Fixed: _____ Value related: _____ Time related: _____

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A	<p>A4 DESIGN RESPONSIBILITY</p> <p>Clause 4.0</p> <p>Clause 4.3 is amended by replacing it with the following:</p> <p>No clause</p> <p>Fixed:_____ Value related:_____ Time related:_____</p>	Item		
B	<p>A5 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		
C	<p>A6 SITE REPRESENTATIVE</p> <p>Clause 6.0</p> <p>Fixed:_____ Value related:_____ Time related:_____</p>	Item		
D	<p>A7 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		
E	<p>A8 WORKS RISK</p> <p>Clause 8.0</p> <p>Fixed:_____ Value related:_____ Time related:_____</p>	Item		
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A	A9 INDEMNITIES			
	Clause 9.0			
	Fixed:_____ Value related:_____ Time related:_____	Item		
B	A10 WORKS INSURANCES			
	Clause 10.0			
	Clause 10.0 is amended by the addition of the following clauses:			
	10.5 Damage to the Works			
(a)	Without in any way limiting the contractor's obligations in terms of the contract, the contractor shall bear the full risk of damage to and/or destruction of the works by whatever cause during construction of the works and hereby indemnifies and holds harmless the employer against any such damage. The contractor shall take such precautions and security measures and other steps for the protection and security of the works as the contractor may deem necessary			
(b)	The contractor shall at all times proceed immediately to remove or dispose of any debris arising from damage to or destruction of the works and to rebuild, restore, replace and/or repair the works			
(c)	The employer shall carry the risk of damage to or destruction of the works and material paid for by the employer that is the result of the excepted risks as set out in 10.6			
(d)	Where the employer bears the risk in terms of this contract, the contractor shall, if requested to do so, reinstate any damage or destroyed portions of the works and the costs of such reinstatement shall be measured and valued in terms of 32.0 hereof			
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10.6 Injury to Persons or loss of or damage to Properties

- (a) The **contractor** shall be liable for and hereby indemnifies the **employer** against any liability, loss, claim or proceeding whether arising in common law or by statute, consequent upon personal injuries to or the death of any person whomsoever arising out of or in the course of or caused by the execution of the **works** unless due to any act or negligence of any person for whose actions the **employer** is legally liable
- (b) The **contractor** shall be liable for and hereby indemnifies the **employer** against any liability, loss, claim or proceeding consequent upon loss of or damage to any moveable or immovable or personal property or property contiguous to the **site**, whether belonging to or under the control of the **employer** or any other body or person, arising out of or in the course of or by reason of the execution of the **works** unless due to any act or negligence of any person for whose actions the **employer** is legally liable
- (c) The **contractor** shall, upon receiving a **contract instruction** from the **principal agent**, cause the same to be made good in a perfect and workmanlike manner at his own cost and in default thereof the **employer** shall be entitled to cause it to be made good and to recover the cost thereof from the **contractor** or to deduct the same from amounts due to the **contractor**
- (d) The **contractor** shall be responsible for the protection and safety of such portions of the premises placed under his control by the **employer** for the purpose of executing the **works** until the issue of the **certificate of practical completion**
- (e) Where the execution of the works involves the risk of removal of or interference with support to adjoining properties including land or structures or any structures to be altered or added to, the **contractor** shall obtain adequate insurance and will remain adequately insured or insured to the specific limit stated in the contract against the death of or injury to persons or damage to such property consequent on such removal or interference with the support until such portion of the **works** has been completed

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- (f) The **contractor** shall at all times proceed immediately at his own cost to remove or dispose of any debris and to rebuild, restore, replace and/or repair such property and to execute the **works**

10.7 High risk insurance

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

10.7.1 Damage to the works

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

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

10.7.2 Injury to persons or loss of or damage to property

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

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

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

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

Fixed: _____ Value related: _____ Time related: _____

Item

A A11 LIABILITY INSURANCES

Clause 11.0

Fixed: _____ Value related: _____ Time related: _____

Item

B A12 EFFECTING INSURANCES

Clause 12.0

Fixed: _____ Value related: _____ Time related: _____

Item

C A13.0 No clause

N/A

D A14 SECURITY

Clause 14.0

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Fixed: _____ Value related: _____ Time related: _____

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EXECUTION**A A15 PREPARATION FOR AND EXECUTION OF THE WORKS**

Clause 15.0

Clause 15.1.1 is amended by replacing it with:

No Clause

Clause 15.1.2 is amended by replacing it with:

The **security** selected in terms of 14.0

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

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

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

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

Fixed: _____ Value related: _____ Time related: _____

B A16 ACCESS TO THE WORKS

Clause 16.0

Fixed: _____ Value related: _____ Time related: _____

Item

C A17 CONTRACT INSTRUCTIONS

Clause 17.0

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

Fixed: _____ Value related: _____ Time related: _____

Item

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A **A18 SETTING OUT OF THE WORKS**

Clause 18.0

Fixed: _____ Value related: _____ Time
related: _____

Item

B **A19 ASSIGNMENT**

Clause 19.0

Fixed: _____ Value related: _____ Time
related: _____

Item

C **A20 NOMINATED SUB-CONTRACTORS**

Clause 20.0

Clause 20.1.3 is amended by replacing it with the following:

No Clause

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

Fixed: _____ Value related: _____ Time
related: _____

Item

D **A21 SELECTED SUBCONTRACTORS**

Clause 21.0

Clause 21 is amended by replacing it with:

No Clause

Fixed: _____ Value related: _____ Time
related: _____

Item

E **A22 EMPLOYER'S DIRECT CONTRACTORS**

Clause 22.0

Fixed: _____ Value related: _____ Time
related: _____

Item

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A A23 CONTRACTOR'S DOMESTIC SUBCONTRACTORS

Clause 23.0

Fixed:_____ Value related:_____ Time
related:_____

Item

COMPLETION

B A24 PRACTICAL COMPLETION

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

Clause 24.0

Fixed:_____ Value related:_____ Time
related:_____

Item

C A25 WORK'S COMPLETION

Clause 25.0

Fixed:_____ Value related:_____ Time
related:_____

Item

D A26 FINAL COMPLETION

Clause 26.0

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

Fixed:_____ Value related:_____ Time
related:_____

Item

E A27 LATENT DEFECTS LIABILITY PERIOD

Clause 27.0

Fixed:_____ Value related:_____ Time
related:_____

Item

F A28 SECTIONAL COMPLETION

Clause 28.0

Fixed:_____ Value related:_____ Time
related:_____

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A	<p>A29 REVISION OF DATE FOR PRACTICAL COMPLETION</p> <p>Clause 29.0</p> <p>Clause 29.2.5 is amended by replacing it with:</p> <p>No clause</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item		
B	<p>A30 PENALTY FOR NON-COMPLETION</p> <p>Penalty per day after practical completion will be R3.75 per R100 as per clause 7.1 Calculation of penalty per calendar days</p> <p>Clause 30.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p><u>PAYMENT</u></p>	Item		
C	<p>A31 INTERIM PAYMENT TO THE CONTRACTOR</p> <p>Clause 31.0</p>			
D	<p>Clause 31.5.2 is amended by replacing "14.7.1"t with "14.0"</p> <p>Clause 31.8 is amended by replacing it with the following two alternative clauses:</p> <p>Alternative A</p> <p>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:</p> <p>31.8(A).1 Ninety-five per cent (95%) of such value in interim payment certificates issued up to the date of practical completion</p> <p>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</p>			
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31.8(A).3 Ninety-nine per cent (99%) of such value in interim **payment certificates** issued on the date of **final completion** and up to but excluding the final **payment certificate** in terms of 34.6

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

Alternative B

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

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

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

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

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

Clause 31.12 is amended by deleting the following:

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

Fixed: _____ Value related: _____ Time related: _____

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A A32 ADJUSTMENT TO THE CONTRACT VALUE

Clause 32.0

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

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

Fixed: _____ Value related: _____ Time
related: _____

Item

B A33 RECOVERY OF EXPENSE AND LOSS

Clause 33.0

Fixed: _____ Value related: _____ Time
related: _____

C A34 FINAL ACCOUNT AND FINAL PAYMENT

Clause 34.0

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

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

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

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

Fixed: _____ Value related: _____ Time
related: _____

Item

D A35 PAYMENT TO OTHER PARTIES

Clause 35.0

Fixed: _____ Value related: _____ Time
related: _____

Item

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CANCELLATION**A36 CANCELLATION BY EMPLOYER -
CONTRACTOR'S DEFAULT**

Clause 36.0

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

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

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

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

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

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

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

Fixed: _____ Value related: _____ Time related: _____

Item

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

Clause 37.0

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

Carried to Collection

R

Section No. 1
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Clause 37.0 is amended by the addition of the following clause:

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

Fixed: _____ Value related: _____ Time related: _____

Item

A A38 CANCELLATION BY CONTRACTOR - EMPLOYER'S DEFAULT

Clause 38.0

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

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

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

Fixed: _____ Value related: _____ Time related: _____

Item

B A39 CESSATON - CANCELLATION OF THE WORKS

Clause 39.0

Claues 39.3.5 is amended by the addition of the following at the end of the sentence "within one hundred and twenty (120) **working days** of completion of such a report"

Fixed: _____ Value related: _____ Time related: _____

Item

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A A40 DISPUTE SETTLEMENT

Clause 40.0

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

Clause 40.6 is amended by removing the reference to:

No clause

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

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

Fixed: _____ Value related: _____ Time
related: _____

Item

SUBSTITUTE PROVISIONS**B A41 STATE CLAUSES**

Clause 41.0

Fixed: _____ Value related: _____ Time
related: _____

Item

CONTRACT VARIABLES**THE SCHEDULE****C A42 PRE-TENDER INFORMATION**

Clause 42.0

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

Fixed: _____ Value related: _____ Time
related: _____

Item

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SECTION B: JBCC PRELIMINARIES**1: DEFINITIONS AND INTERPRETATION****A Definitions and interpretation**

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

Fixed: _____ Value related: _____ Time related: _____

Item

2: DOCUMENTS**B Checking of documents**

Fixed: _____ Value related: _____ Time related: _____

Item

C Provisional bills of quantities

Fixed: _____ Value related: _____ Time related: _____

Item

D Availability of construction documentation

Fixed: _____ Value related: _____ Time related: _____

Item

E Interests of agents

Fixed: _____ Value related: _____ Time related: _____

Item

F Priced documents

Fixed: _____ Value related: _____ Time related: _____

Item

G Tender submission

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

Fixed: _____ Value related: _____ Time related: _____

Item

Carried to Collection

R

Section No. 1

Section No.1- Preliminaries and General

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Preliminaries

3: THE SITE

A Defined works area

Fixed: _____ Value related: _____ Time
related: _____

Item

B Geotechnical investigation

Fixed: _____ Value related: _____ Time
related: _____

Item

C Inspection of the site

Fixed: _____ Value related: _____ Time
related: _____

Item

D Existing premises occupied

Fixed: _____ Value related: _____ Time
related: _____

Item

E Previous work – dimensional accuracy

Fixed: _____ Value related: _____ Time
related: _____

Item

F Previous work – defects

Fixed: _____ Value related: _____ Time
related: _____

Item

G Services – known

Fixed: _____ Value related: _____ Time
related: _____

Item

H Services – unknown

Fixed: _____ Value related: _____ Time
related: _____

Item

I Protection of trees

Fixed: _____ Value related: _____ Time
related: _____

Item

J Articles of value

Fixed: _____ Value related: _____ Time
related: _____

Item

Carried to Collection

R

Section No. 1
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A Inspection of adjoining properties

Fixed: _____ Value related: _____ Time related: _____

Item

4: MANAGEMENT OF CONTRACT**B Management of the works**

Fixed: _____ Value related: _____ Time related: _____

Item

C Programme for the works

Fixed: _____ Value related: _____ Time related: _____

Item

D Progress meetings

Fixed: _____ Value related: _____ Time related: _____

Item

E Technical meetings

Fixed: _____ Value related: _____ Time related: _____

Item

F Labour and plant records

Fixed: _____ Value related: _____ Time related: _____

Item

5: SAMPLES, SHOP DRAWINGS AND MANUFACTURERS' INSTRUCTIONS**G Samples of materials**

Fixed: _____ Value related: _____ Time related: _____

Item

H Workmanship samples

Fixed: _____ Value related: _____ Time related: _____

Item

I Shop drawings

Fixed: _____ Value related: _____ Time related: _____

Item

Carried to Collection

R

Section No. 1

Section No.1- Preliminaries and General

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Preliminaries

A Compliance with manufacturer's instructions

Fixed: _____ Value related: _____ Time
related: _____

Item

6: TEMPORARY WORKS AND PLANT

B Deposits and fees

Fixed: _____ Value related: _____ Time
related: _____

Item

C Enclosure of the works

Fixed: _____ Value related: _____ Time
related: _____

Item

D Advertising

Fixed: _____ Value related: _____ Time
related: _____

Item

E Plant, equipment, sheds and offices

Fixed: _____ Value related: _____ Time
related: _____

Item

F Main notice board

Fixed: _____ Value related: _____ Time
related: _____

Item

G Subcontractors' notice board

Fixed: _____ Value related: _____ Time
related: _____

Item

7: TEMPORARY SERVICES

H Location

Fixed: _____ Value related: _____ Time
related: _____

Item

I Water

Fixed: _____ Value related: _____ Time
related: _____

Item

Carried to Collection

R

Section No. 1
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Preliminaries

A	Electricity			
	Fixed: _____ Value related: _____ Time related: _____		Item	
B	Telecommunication facilities			
	Fixed: _____ Value related: _____ Time related: _____		Item	
C	Ablution facilities			
	Fixed: _____ Value related: _____ Time related: _____		Item	
	<u>8: PRIME COST AMOUNTS</u>			
D	Responsibility for prime cost amounts			
	Fixed: _____ Value related: _____ Time related: _____		Item	
	<u>9: ATTENDANCE ON N/S SUBCONTRACTORS</u>			
E	General attendance			
	Fixed: _____ Value related: _____ Time related: _____		Item	
F	Special attendance			
	Fixed: _____ Value related: _____ Time related: _____		Item	
G	Commissioning – fuel, water and electricity			
	Fixed: _____ Value related: _____ Time related: _____		Item	
	<u>10: FINANCIAL ASPECTS</u>			
H	Statutory taxes, duties and levies			
	Fixed: _____ Value related: _____ Time related: _____		Item	
I	Payment for preliminaries			
	Fixed: _____ Value related: _____ Time related: _____		Item	
	Carried to Collection			
	Section No. 1			
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R

A 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

B Payment certificate cash flow

Fixed: _____ Value related: _____ Time related: _____

Item

11: GENERAL**C Protection of the works**

Fixed: _____ Value related: _____ Time related: _____

Item

D Protection / isolation of existing / sectionally occupied works

Fixed: _____ Value related: _____ Time related: _____

Item

E Security of the works

Fixed: _____ Value related: _____ Time related: _____

Item

F Notice before covering work

Fixed: _____ Value related: _____ Time related: _____

Item

G Disturbance

Fixed: _____ Value related: _____ Time related: _____

Item

H Environmental disturbance

Fixed: _____ Value related: _____ Time related: _____

Item

Carried to Collection

R

Section No. 1

Section No.1- Preliminaries and General

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Preliminaries

A Works cleaning and clearing

Fixed: _____ Value related: _____ Time related: _____

Item

B Vermin

Fixed: _____ Value related: _____ Time related: _____

Item

C Overhand work

Fixed: _____ Value related: _____ Time related: _____

Item

D Instruction manuals and guarantees

Fixed: _____ Value related: _____ Time related: _____

Item

E As built information

Fixed: _____ Value related: _____ Time related: _____

Item

F Tenant installations

Fixed: _____ Value related: _____ Time related: _____

Item

12: SCHEDULE OF VARIABLES**G Schedule of Variables**

Fixed: _____ Value related: _____ Time related: _____

Item

This **schedule** contains all variables referred to in this document and is divided into pretender 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

Carried to Collection

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- 12.19. **Services - known**
 [3.7] The site incorporates existing water supply, soil drainage, electrical, mechanical, telephone and data services. The Contractor must ensure that these services continue uninterrupted during the course of the contract. Any damage whatsoever caused by the Contractor and/or his agents to any existing services shall be rectified and/or made good at his own expense, all to the satisfaction of the Representative/Agent.
- 12.1.10 **Protection of trees**
 [3.9] Trees of heritage significance shall be identified by the Representative/Agent. The Contractor shall be careful not to cause any damage to such.
- 12.1.11 **Inspection of adjoining properties**
 [3.11] Not applicable:
- 12.1.12 **Enclosure of the works**
 [6.2] The Contractor shall provide, erect, alter as necessary, maintain, remove and make good on completion of the works, suitable hoardings, all as necessary for the enclosure of the works and protection of the public, to the satisfaction of the Representative/Agent.
- 12.1.13 **Offices**
 [6.4.3] The contractor shall provide, maintain and remove on completion of the works an office for the exclusive use of the Representative/Agent agent, minimum size 4 x 3 x 3m high internally, suitably insulated and ventilated, provided with electric lighting and fitted with boarded floor, desk, chair, drawing stool, drawing board and lock-up drawers for drawings. The office shall be kept clean and fit for use at all times.
- 12.1.14 **Main notice board**
 [6.5] Specific requirements:
 The contractor shall provide, erect where directed, maintain and remove on completion of the works a notice board size 3 x 3m as type Drawing GEN 063, constructed of suitable boarding with flat smooth surface and with edging bead 19mm thick round outer edges and projecting 12mm from face of boarding and rounded on front edge. The board shall be securely fixed to hoarding, where hoarding is provided, or fixed to and including a suitable supporting structure of timber or tubular posts and braces. The board is to be painted ivory white and the bead and 12mm wide dividing lines dark green. All wording shall be inscribed in dark green as per the coat of arms for SAPS. All wording shall be inscribed in dark green painted sans serif lettering.

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12.1.15	Subcontractors' notice board				
[6.6]	A notice board is required	YES			
12.1.16	Water				
[7.2]	Option A (by contractor)	YES			
	Option B (by employer - free of charge)	NO			
	Option C (by employer - metered)	NO			
12.1.17	Electricity				
[7.3]	Option A (by contractor)	YES			
	Option B (by employer - free of charge)	NO			
	Option C (by employer - metered)	NO			
12.1.18	Telecommunications				
[7.4]	Telephone	YES			
	Facsimile	YES			
	E-mail	NO			
12.1.19	Ablution facilities				
[7.5]	Option A (by contractor)	YES			
	Option B (by employer)	NO			
12.1.20	Protection of existing/sectionally occupied works				
[11.2]	Protection is required	YES			
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12.1.21 **Special attendance**
[9.2]

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

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

12.1.22 **Protection of works**

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

12.1.23 **Disturbance**

The Contractor shall execute the works with as little noise and disturbance as possible to adjoining premises and occupants thereof. He shall keep the site, structures, etc well watered during operations to prevent dust and shall provide and erect and remove on completion of the works all necessary temporary dust screens all to the satisfaction of the Representative/agent. In the event of beneficial occupation of a portion of the works being taken, the Contractor shall take similar precautions as described above in respect of occupied premises.

12.1.24 **Environmental disturbance**

No additional specific requirements other than as stated under *Disturbance*

12.2 **POST-TENDER INFORMATION**

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

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R

SECTION C: SPECIFIC PRELIMINARIES

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

A C1 CONTRACT DRAWINGS

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

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

Fixed: _____ Value related: _____ Time related: _____

Item

B C2 GENERAL PREAMBLES

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

Fixed: _____ Value related: _____ Time related: _____

Item

C C3 TRADE NAMES

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

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

Fixed: _____ Value related: _____ Time related: _____

Item

Carried to Collection

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Section No. 1

Section No.1- Preliminaries and General

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Preliminaries

A	<p>C4 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			
B	<p>C5 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			
C	<p>C6 COMMENCEMENT OF WORKS IN SECURITY AREAS</p> <p>As the works falls within a security area the contractor must give the unit commander or other responsible officer notice before commencement of the works. Should the contractor fail to make such arrangements, admission to the site may be refused and any additional costs will be for the contractor's account</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>			
	Item			
D	<p>C7 ENTRANCE PERMITS TO SECURITY AREAS</p> <p>As the works falls within a security area the contractor shall obtain entrance permits for his personnel and workmen entering the area and shall comply with all regulations and instructions which may be issued from time to time regarding the protection of persons and property under the control of the Defence Force, Police or chief security officer</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>			
	Item			
	Carried to Collection		R	
	Section No. 1			
	Section No.1- Preliminaries and General			
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A **C8 SECURITY CHECK OF PERSONNEL**

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

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

Fixed: _____ Value related: _____ Time related: _____

Item

B **C9 PROHIBITION ON TAKING OF PHOTOGRAPHS**

In terms of article 119 of the Defence Act, 44 of 1957, it is prohibited to sketch or to take photographs of any military site or installation or any building or civil works thereon or to be in possession of a camera or other apparatus used for taking of photographs except when authorized thereto by or on behalf of the Minister

The same prohibition is also applicable to all correctional institutions in terms of article 44.1(e) of the Correctional Services Act 8 of 1959

Fixed: _____ Value related: _____ Time related: _____

Item

Carried to Collection

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Section No. 1
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C10 HIV/AIDS AWARENESS

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

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

A C10.1 AWARENESS CHAMPION

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

Fixed: _____ Value related: _____ Time related: _____

Item

B C10.2 AWARENESS WORKSHOPS

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

Fixed: _____ Value related: _____ Time related: _____

Item

Carried to Collection

R

Section No. 1

Section No.1- Preliminaries and General

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

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

Fixed: _____ Value related: _____ Time related: _____

Item

B C10.4 ACCESS TO CONDOMS

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

Fixed: _____ Value related: _____ Time related: _____

Item

C C10.5 MONITORING

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

Fixed: _____ Value related: _____ Time related: _____

Item

Carried to Collection

R

Section No. 1

Section No.1- Preliminaries and General

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Preliminaries

A C11 : OCCUPATIONAL HEALTH AND SAFETY ACT

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

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

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

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

Fixed: _____ Value related: _____ Time related: _____

Item

Carried to Collection

R

Section No. 1
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A	<p>C12 EMPLOYMENT AND TRAINING OF YOUTH WORKERS ON THE EXPANDED PUBLIC WORKS PROGRAMME (EPWP) INFRASTRUCTURE PROJECTS: NATIONAL YOUTH SERVICE (NYS)</p> <p>The Contractor shall comply with Additional Specification SL: Employment and Training of Youth Workers on the Expanded Public Works Programme (EPWP) Infrastructure Projects: National Youth Service (NYS) as attached to these Bills of Quantities.</p> <p>The Contractor shall identify a minimum of 65 youth workers from a priority list and employ them at the statutory labour rates for a minimum period of 6 months and train them as per Specification SL.</p> <p>The Contractor shall liaise and co-ordinate with the Department in providing the priority list and the selection of youth workers and with the employment and training of the identified youth workers.</p> <p>Separate items, subject to re-measurement, have been scheduled in Section 9, Bill No. 1 to cover the direct costs associated with training.</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item		
	<p>Carried to Collection</p> <p>Section No. 1 Section No.1- Preliminaries and General Bill No. 1 Preliminaries</p>		R	

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Section No. 1
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<u>Demolishing and removing</u>				
A	Single storey modular prefab classroom with flat roof, 7.66 x 7.08m on plan and 2.65m high at eaves, comprising unreinforced concrete surface bed, external prefabricated walls, and corrugated steel roof covering	No	1	
<u>REMOVAL OF EXISTING WORK</u>				
<u>Breaking up and removing reinforced concrete, including cutting off and removing reinforcement</u>				
B	100mm Thick surface beds	m2	9	
<u>Taking out and removing doors, windows, etc, including thresholds, sills, etc (building up openings and making good finishes elsewhere)</u>				
C	Timber single door and frame not exceeding 2,5m ²	No	17	
<u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc</u>				
D	Corrugated sheet steel roof covering and timber purlins	m2	300	
E	Gypsum plasterboard ceilings, including timber brandering, cornices, etc	m2	909	
F	Timber double pitch roof trusses	m2	1 453	
G	Rain water goods gutters and down pipes	m	394	
H	Fascia boards	m	405	
<u>Taking up and removing wood block floor coverings, vinyl floor coverings, carpets, etc and preparing screeds for new floor coverings</u>				
I	Vinyl tile floor covering	m2	900	
<u>Hacking up/off and removing granolithic, screeds, plaster, etc from concrete or brickwork and preparing surfaces for new screed, plaster, tile finishes, etc</u>				
J	30mm Granolithic from floors	m2	10	
K	Internal plaster from walls and columns	m2	490	
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Section No.2- Classroom and Administration Blocks				
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Bill No. 1

Alterations

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Section No. 2

Section No.2- Classroom and Administration Blocks

Bill No. 1

Alterations

R

UNREINFORCED CONCRETE**30MPa/19mm concrete**

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

TEST BLOCKS

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

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

Finishing top surfaces of concrete smooth with a power float

F	Surface beds, slabs, etc	m2	9
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Fabric reinforcement

G	Type 193 fabric reinforcement in concrete surface beds, slabs, etc	m2	9
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Section No.2- Classroom and Administration Blocks

Bill No. 2

Concrete, Formwork and Reinforcement

Bill No. 2

Concrete, Formwork and Reinforcement

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

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Pointing

Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc

BRICKWORK**SUPERSTRUCTURE**

Brickwork of NFX bricks (14 MPa nominal compressive strength) in class II mortar

A	One brick walls in beamfilling	m2	94
B	Half brick walls in beamfilling	m2	163

BRICKWORK SUNDRIES2,5mm Brickwork reinforcement

C	75mm Wide reinforcement built in horizontally	m	485
D	150mm Wide reinforcement built in horizontally	m	10

Prestressed fabricated concrete lintels including necessary temporary supports

E	110 x 75mm Lintels in lengths not exceeding 3m	m	15
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Galvanised hoop iron cramps, ties, etc

F	30 x 1,6mm Cramp 500mm long with one end fixed to timber and other end built into brickwork	No	520
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Section No.2- Classroom and Administration Blocks

Bill No. 3

Masonry

Bill No. 3

Masonry

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

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

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**PLATE NAILED TIMBER ROOF TRUSS
CONSTRUCTION ETC**

SUPPLEMENTARY PREAMBLES

Trusses are at maximum 900mm centres

Roof coverings are on purlins

Ceilings are plasterboard on 38 x 38mm brandering

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

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

Sawn softwood grade 6 S.A Pine

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

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Section No. 2

Section No.2- Classroom and Administration Blocks

Bill No. 6

Carpentry and Joinery

EAVES, VERGES, ETC

Medium density plain fibre-cement fascias and barge boards

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

Wrought meranti

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

Wrought meranti horinzotal slated doors hung to steel frames

C	44mm Horizontal slatted door 813 x 2032mm high	No	17
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Section No.2- Classroom and Administration Blocks

Bill No. 6

Carpentry and Joinery

Bill No. 6

Carpentry and Joinery

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

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A	<p><u>Non-combustible fibreglass insulation of a density of not less than 10kg/m3 bonded with an inert thermo-setting resin</u></p> <p>100mm Insulation in blanket form closely fitted and laid on top of branderling between roof timbers etc</p>	m2	900		
	<p>Carried to Collection</p> <p>Section No. 2</p> <p>Section No.2- Classroom and Administration Blocks</p> <p>Bill No. 7</p> <p>Ceilings, Partitions and Access Flooring</p>			R	

Bill No. 7

Ceilings, Partitions and Access Flooring

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

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Bill No. 9

Ironmongery

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Section No.2- Classroom and Administration Blocks
Bill No. 9
Ironmongery

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Bill No. 10

Metalwork

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

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Panels

Granolithic shall be laid in panels not exceeding 14m² for monolithic finishes, not exceeding 9,5m² for bonded finishes and not exceeding 6m² for all external granolithic. Wherever possible, panels shall be square but at no time should the length of the panel exceed 1,5 times its width

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

Laying

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

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

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

Curing, seasoning and protection

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

Colour

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

SCREEDSScreeds steel trowelled, on concrete

A 30mm Thick on floors and landings

m2

900

GRANOLITHIC

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R

Section No. 2

Section No.2- Classroom and Administration Blocks

Bill No. 11

Plastering

R

Bill No. 11

Plastering

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

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Septic tanks

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

Exposed concrete surfaces

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

Excavations

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

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

Laying, backfilling, bedding, etc. of pipes

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

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

SABS/SANS 1200 L : Medium-pressure pipelines

LD : Sewers

LE : Stormwater drainage

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

DB : Earthworks (Pipe trenches)

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

LB : Bedding (Pipes).

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

Flush pans

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

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

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

PLUMBING

Carried to Collection

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Section No. 2

Section No.2- Classroom and Administration Blocks

Bill No. 12

Plumbing and Drainage

RAINWATER DISPOSAL

0,6mm OGEE seamless aluminium gutter and rainwater pipes

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

SANITARY FITTINGS

Atlas plastic or other equal approved

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

PVC vent pipes

TAPS, VALVES, ETC

Cobra or equal approved chromium plated

J	15mm chromium plated bib-tap	No	12
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Section No. 2

Section No.2- Classroom and Administration Blocks

Bill No. 12

Plumbing and Drainage

Bill No. 12

Plumbing and Drainage

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Section No.2- Classroom and Administration Blocks
Bill No. 12
Plumbing and Drainage

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Item No	Quantity	Rate	Amount
<u>BILL NO. 14</u>			
<u>PAINTWORK</u>			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>PREPARATORY WORK TO EXISTING WORK</u>			
<u>Previously painted plastered surfaces</u>			
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			
<u>Previously painted metal surfaces</u>			
Surfaces shall be thoroughly rubbed and cleaned down. Blistered or peeling paint shall be completely removed down to bare metal			
<u>Previously painted wood surfaces</u>			
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			
<u>PAINT SPECIFICATIONS</u>			
All painting shall be done in accordance with specifications unless otherwise described			
<u>COLOURS</u>			
<u>User note</u>			
<i>In the event of the colour scheme for the project not being available when required for the preparation of quantities, it is recommended that either all paintwork be described as being in the "White" colour group or that ceilings be described as being in the "White" colour group and the balance being in the "Pastel" colour group and that provision be made for other colour groups by way of "extra over" items marked "Provisional" as provided for in the measuring system (See measurement rule No. 5 under item 2: Colours). The following items are examples of such "extra over" items:</i>			
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Section No.2- Classroom and Administration Blocks			
Bill No. 14			
Paintwork			

"Extra over for paintwork on components (ceilings) in the
"White" colour group for paintwork in the "Pastel" colour group
(Provisional) m²"

"Extra over for paintwork on components in the "Pastel" colour
group for paintwork in the "Deep" colour group (Provisional)
m²"

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

PAINTWORK ETC TO NEW WORK

ON INTERNAL FLOATED PLASTER SURFACES

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

A	Walls	m2	490
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ON PLASTERBOARD SURFACES

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

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

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

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

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

D	Door frames	m2	27
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E	Gates, grilles, burglar screens, balustrades, etc (both sides measured over the full flat area)	m2	58
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Section No. 2

Section No.2- Classroom and Administration Blocks

Bill No. 14

Paintwork

ON WOOD SURFACES

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

A	Doors	m2	60
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Three coats superior quality clear matt varnish

B	Doors	m2	60
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Two coats of woodoc 30 matt varnish

C	Skirtings, rails, etc not exceeding 300mm girth	m	990
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PAINTWORK, ETC TO PREVIOUSLY PAINTED WORK**ON EXTERNAL FLOATED PLASTER SURFACES**

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

D	Walls	m2	916
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ON INTERNAL FLOATED PLASTER SURFACES

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

E	Walls	m2	735
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ON METAL SURFACES

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

F	Windows with burglar bars	m2	266
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G	Rails, bars, pipes, etc not exceeding 300mm girth	m	98
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Section No.2- Classroom and Administration Blocks

Bill No. 14

Paintwork

Bill No. 14

Paintwork

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Section No.2- Classroom and Administration Blocks
Bill No. 14
Paintwork

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A	Profit	Item	
B	Allow for general attendance	Item	
	<u>General electrical installation</u>		
C	Provide the sum of R700 000.00 (Seven Hundred Thousand Rand) for general electrical installation	Item	700 000.00
D	Profit	Item	
E	Attendance	Item	
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Bill No. 15			
Provisional Sums			

Bill No. 15

Provisional Sums

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

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