

## SECTION 1

### MEANING OF TERMS "TENDER / TENDERER"

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"

### PRELIMINARIES

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".

### PRICING OF PRELIMINARIES

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

Items not priced in these Preliminaries shall be deemed to be included elsewhere in these Bills of Quantities.

## SECTION A: JBCC PRINCIPAL BUILDING AGREEMENT

### DEFINITIONS

A1.0

### DEFINITIONS AND INTERPRETATION

Clause 1.0

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

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

Clause 1.1 Definition of "**Construction 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 date on which possession of the **site** is given to the contractor and ending on the date of **practical completion**

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

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

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

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

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

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

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

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

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

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

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

Clause 1.6.4 is amended by replacing it with the following:

No clause

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

## OBJECTIVE AND PREPARATION

### A2.0 OFFER, ACCEPTANCE AND PERFORMANCE

Clause 2.0

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

### A3.0 DOCUMENTS

Clause 3.0

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

Clause 3.7 is amended by the addition of the following:

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

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

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

### A4.0 DESIGN RESPONSIBILITY

Clause 4.0

Clause 4.3 is amended by replacing it with the following:

No clause

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

### A5.0 EMPLOYER'S AGENTS

Clause 5.0

Clause 5.1.2 is amended to include clauses 32.6.3, 34.3, 34.4 and 38.5.8

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

## A6.0 SITE REPRESENTATIVE

Clause 6.0

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

## A7.0 COMPLIANCE WITH REGULATIONS

Clause 7.0

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

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

## A8.0 WORKS RISK

Clause 8.0

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

## A9.0 INDEMNITIES

Clause 9.0

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

## 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 material paid for by the **employer** that is the result of the excepted risks as set out in 10.6
- (d) Where the **employer** bears the risk in terms of this contract, the **contractor** shall, if requested to do so, reinstate any damage or destroyed portions of the **works** and the costs of such reinstatement shall be measured and valued in terms of 32.0 hereof

### 10.6 Injury to Persons or loss of or damage to Properties

- (a) The **contractor** shall be liable for and hereby indemnifies the **employer** against any liability, loss, claim or proceeding whether arising in common law or by statute, consequent upon personal injuries to or the death of any person whomsoever arising out of or in the course of or caused by the execution of the **works** unless due to any act or 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
- (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

**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

#### A11.0 LIABILITY INSURANCES

Clause 11.0

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

#### A12.0 EFFECTING INSURANCES

Clause 12.0

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

#### A13.0 No Clause

#### A14.0 SECURITY

Clause 14.0

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

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

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

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

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

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

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

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

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14.3.3 Within twenty-one (21) <b>calendar days</b> of the date of <b>final completion</b> of the <b>works</b> the <b>employer</b> shall reduce the cash deposit to an amount equal to one per cent (1%) of the <b>contract value</b> (excluding VAT) and refund the balance to the <b>contractor</b>		
14.3.4 On the date of payment of the amount in the final <b>payment certificate</b> , the <b>employer</b> shall refund the remainder of the cash deposit to the <b>contractor</b>		
14.3.5 The <b>employer</b> shall be entitled to recover expense and loss from the cash deposit in terms of 33.0 provided that the <b>employer</b> complies with the provisions of 33.4 in which event the <b>employer's</b> entitlement shall take precedence over his obligations to refund the cash deposit <b>security</b> or portions thereof to the <b>contractor</b>		
14.3.6 The parties expressly agree that neither the <b>employer</b> nor the <b>contractor</b> shall be entitled to cede the rights to the deposit to any third party		
14.4 Where <b>security</b> as a variable <b>construction guarantee</b> of ten percent (10%) of the <b>contract sum</b> (excluding VAT) has been selected:	N/A	
14.4.1 The <b>contractor</b> shall furnish the <b>employer</b> with an acceptable variable <b>construction guarantee</b> equal in value to ten per cent (10%) of the <b>contract sum</b> (excluding VAT) within twenty-one (21) <b>calendar days</b> from <b>commencement date</b>	N/A	
14.4.2 The variable <b>construction guarantee</b> shall reduce and expire in terms of the Variable <b>Construction Guarantee</b> form included in the invitation to tender	N/A	
14.4.3 The <b>employer</b> shall return the variable <b>construction guarantee</b> to the <b>contractor</b> within fourteen (14) <b>calendar days</b> of it expiring	N/A	
14.4.4 Where the <b>employer</b> has a right of recovery against the <b>contractor</b> in terms of 33.0, the <b>employer</b> shall issue a written demand in terms of the variable <b>construction guarantee</b>	N/A	
14.5 Where <b>security</b> as a fixed <b>construction guarantee</b> of five per cent (5%) of the <b>contract sum</b> (excluding VAT) and a five per cent (5%) payment reduction of the value certified in the <b>payment certificate</b> (excluding VAT) has been selected:		
14.5.1 The <b>contractor</b> shall furnish a fixed <b>construction guarantee</b> to the <b>employer</b> equal in value to five per cent (5%) of the <b>contract sum</b> (excluding VAT)		
14.5.2 The fixed <b>construction guarantee</b> shall come into force on the date of issue and shall expire on the date of <b>practical completion</b>		
14.5.3 The <b>employer</b> shall return the fixed <b>construction guarantee</b> to the <b>contractor</b> within fourteen (14) <b>calendar days</b> of it expiring		
14.5.4 The payment reduction of the value certified in a <b>payment certificate</b> shall be in terms of 31.8 (A) and 34.8		
14.5.5 Where the <b>employer</b> has a right of recovery against the <b>contractor</b> in terms of 33.0, the <b>employer</b> shall be entitled to issue a written demand in terms of the fixed <b>construction guarantee</b> or may recover from the payment reduction or may do both		
14.6 Where <b>security</b> as a cash deposit of five per cent (5%) of the <b>contract sum</b> (excluding VAT) and a payment reduction of five per cent (5%) of the value certified in the <b>payment certificate</b> (excluding VAT) has been selected:		
14.6.1 The <b>contractor</b> shall furnish the <b>employer</b> with a cash deposit equal in value to five per cent (5%) of the <b>contract sum</b> (excluding VAT) within twenty-one (21) <b>calendar days</b> from <b>commencement date</b>		
14.6.2 Within twenty-one (21) <b>calendar days</b> of the date of <b>practical completion</b> of the <b>works</b> the <b>employer</b> shall refund the cash deposit in total to the <b>contractor</b>		
14.6.3 The payment reduction of the value certified in a <b>payment certificate</b> shall be <i>mutatis mutandi</i> 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: \_\_\_\_\_  
Item

## EXECUTION

### A15.0 PREPARATION FOR AND EXECUTION OF THE WORKS

Clause 15.0

Clause 15.1.1 is amended by replacing it with:

No clause

Clause 15.1.2 is amended by replacing it with:

The **security** selected in terms of 14.0

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

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

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

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

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

### A16.0 ACCESS TO THE WORKS

Clause 16.0

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

### 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

#### A18.0 SETTING OUT OF THE WORKS

Clause 18.0

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

#### A19.0 ASSIGNMENT

Clause 19.0

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

#### 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

#### A21.0 SELECTED SUBCONTRACTORS

Clause 21.0

Clause 21 is amended by replacing it with:

No clause

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

#### A22.0 EMPLOYER'S DIRECT CONTRACTORS

Clause 22.0

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

#### A23.0 CONTRACTOR'S DOMESTIC SUBCONTRACTORS

Clause 23.0

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

#### COMPLETION

#### A24.0 PRACTICAL COMPLETION

Clause 24.0

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



A25.0	<b>WORKS COMPLETION</b> Clause 25.0 Fixed: _____ Value related: _____ Time related: _____ <b>Item</b>
A26.0	<b>FINAL COMPLETION</b> Clause 26.0 Clause 26.1.2 is amended by inserting “#” next to 26.1.2 Fixed: _____ Value related: _____ Time related: _____ <b>Item</b>
A27.0	<b>LATENT DEFECTS LIABILITY PERIOD</b> Clause 27.0 Fixed: _____ Value related: _____ Time related: _____ <b>Item</b>
A28.0	<b>SECTIONAL COMPLETION</b> Clause 28.0 Fixed: _____ Value related: _____ Time related: _____ <b>Item</b>
A29.0	<b>REVISION OF DATE FOR PRACTICAL COMPLETION</b> Clause 29.0 Clause 29.2.5 is amended by replacing it with:  No clause Fixed: _____ Value related: _____ Time related: _____ <b>Item</b>
A30.0	<b>PENALTY FOR NON-COMPLETION</b> Clause 30.0 Fixed: _____ Value related: _____ Time related: _____ <b>Item</b>
A31.0	<b>PAYMENT</b> <b>INTERIM PAYMENT TO THE CONTRACTOR</b> 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:  <b>Alternative A</b>  31.8(A) Where a <b>security</b> is selected in terms of 14.1; 14.5 or 14.6, the value of the <b>works</b> in terms of 31.4.1 and <b>materials and goods</b> 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 <b>payment certificates</b> issued up to the date of <b>practical completion</b>  31.8(A).2 Ninety-seven per cent (97%) of such value in interim <b>payment certificates</b> issued on the date of <b>practical completion</b> and up to but excluding the date of <b>final completion</b>

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**

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

#### 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

#### A33.0 RECOVERY OF EXPENSE AND LOSS

Clause 33.0

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

#### 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 "thirty (30) **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

#### A35.0 PAYMENT TO OTHER PARTIES

Clause 35.0

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

Item

#### CANCELLATION

#### A36.0 CANCELLATION BY EMPLOYER – CONTRACTOR'S DEFAULT

Clause 36.0

Clause 36.1 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

#### 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

#### A38.0 CANCELLATION BY CONTRACTOR – EMPLOYER'S DEFAULT

Clause 38.0

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

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

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

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

Item

#### A39.0 CANCELLATION – CESSATION OF THE WORKS

Clause 39.0

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

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

Item

#### DISPUTE

#### A40.0 DISPUTE SETTLEMENT

Clause 40.0

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

Clause 40.6 is amended by removing the reference to:

No clause

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

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

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

Item

#### SUBSTITUTE PROVISIONS

#### A41.0 STATE CLAUSES

Clause 41.0

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

Item

#### CONTRACT VARIABLES

#### THE SCHEDULE (C1.2: CONTRACT DATA)

#### A42.0 PRE-TENDER INFORMATION

Clause 42.0

Tenderers are referred to the document C1.2: Contract Data for variables pertaining to this contract

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

Item

**SECTION B: JBCC PRELIMINARIES****B1.0 DEFINITIONS AND INTERPRETATION****B1.1 *Definitions and interpretation***

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

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

**B2.0 DOCUMENTS****B2.1 *Checking of documents***

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

**B2.2 *Provisional bills of quantities***

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

**B2.3 *Availability of construction documentation***

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

**B2.4 *Interests of agents***

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

**B2.5 *Priced documents***

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

**B2.6 *Tender submission***

Clause 2.6 is amended by replacing "JBCC Form of Tender" with "Form of Offer and Acceptance (C1.1)"

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

**B3.0 THE SITE****B3.1 *Defined works area***

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

**B3.2****B3.3 *Inspection of the site***

Tenderers shall complete the Site Inspection Certificate (Form 2.2.1) included in the tender documents and return the same with the tender submission.

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

**B3.4 *Existing premises occupied***

	Fixed:_____ Value related:_____ Time related:_____	Item
B3.5	<b><i>Previous work – dimensional accuracy</i></b>	
	Fixed:_____ Value related:_____ Time related:_____	Item
B3.6	<b><i>Previous work – defects</i></b>	
	Fixed:_____ Value related:_____ Time related:_____	Item
B3.7	<b><i>Services – known</i></b>	
	Fixed:_____ Value related:_____ Time related:_____	Item
B3.8	<b><i>Services – unknown</i></b>	
	Fixed:_____ Value related:_____ Time related:_____	Item
B3.9	<b><i>Protection of trees</i></b>	
	Fixed:_____ Value related:_____ Time related:_____	Item
B3.10	<b><i>Articles of value</i></b>	
	Fixed:_____ Value related:_____ Time related:_____	Item
B3.11	<b><i>Inspection of adjoining properties</i></b>	
	Fixed:_____ Value related:_____ Time related:_____	Item
B4.0	<b>MANAGEMENT OF CONTRACT</b>	
B4.1	<b><i>Management of the works</i></b>	
	Fixed:_____ Value related:_____ Time related: _____	Item
B4.2	<b><i>Programme for the works</i></b>	
	Fixed:_____ Value related:_____ Time related: _____	Item
B4.3	<b><i>Progress meetings</i></b>	
	Fixed:_____ Value related:_____ Time related: _____	Item
B4.4	<b><i>Technical meetings</i></b>	
	Fixed:_____ Value related:_____ Time related: _____	Item
B4.5	<b><i>Labour and plant records</i></b>	
	Fixed:_____ Value related:_____ Time related: _____	Item
B5.0	<b>SAMPLES, SHOP DRAWINGS AND MANUFACTURERS' INSTRUCTIONS</b>	
B5.1	<b><i>Samples of materials</i></b>	

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

B5.2 ***Workmanship samples***

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

B5.3 ***Shop drawings***

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

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

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

B6.0 **TEMPORARY WORKS AND PLANT**

B6.1 ***Deposits and fees***

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

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

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

B6.3 ***Advertising***

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

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

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

B6.5 ***Main notice board***

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

B6.6 ***Subcontractors' notice board***

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

B7.0 **TEMPORARY SERVICES**

B7.1 ***Location***

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

B7.2 ***Water***

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

B7.3 ***Electricity***

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

B7.4 ***Telecommunication facilities***

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

B7.5 ***Ablution facilities***

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

B8.0 **PRIME COST AMOUNTS**

B8.1 ***Responsibility for prime cost amounts***

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

B9.0 **ATTENDANCE ON N/S SUBCONTRACTORS**

B9.1 ***General attendance***

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

B9.2 ***Special attendance***

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

B9.3 ***Commissioning – fuel, water and electricity***

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

B10.0 **FINANCIAL ASPECTS**

B10.1 ***Statutory taxes, duties and levies***

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

B10.2 ***Payment for preliminaries***

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

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

B10.4 ***Payment certificate cash flow***

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

B11.0 **GENERAL**

B11.1 ***Protection of the works***

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



B11.2	<b><i>Protection / isolation of existing / sectionally occupied works</i></b> Fixed: _____ Value related: _____ Time related: _____ Item
B11.3	<b><i>Security of the works</i></b> Fixed: _____ Value related: _____ Time related: _____ Item
B11.4	<b><i>Notice before covering work</i></b> Fixed: _____ Value related: _____ Time related: _____ Item
B11.5	<b><i>Disturbance</i></b> Fixed: _____ Value related: _____ Time related: _____ Item
B11.6	<b><i>Environmental disturbance</i></b> Fixed: _____ Value related: _____ Time related: _____ Item
B11.7	<b><i>Works cleaning and clearing</i></b> Fixed: _____ Value related: _____ Time related: _____ Item
B11.8	<b><i>Vermin</i></b> Fixed: _____ Value related: _____ Time related: _____ Item
B11.9	<b><i>Overhand work</i></b> Fixed: _____ Value related: _____ Time related: _____ Item
B11.10	<b><i>Instruction manuals and guarantees</i></b> Fixed: _____ Value related: _____ Time related: _____ Item
B11.11	<b><i>As built information</i></b> Fixed: _____ Value related: _____ Time related: _____ Item
B11.12	<b><i>Tenant installations</i></b> Fixed: _____ Value related: _____ Time related: _____ Item
B12.0	<b>SCHEDULE OF VARIABLES</b>
B12.1	<b><i>Pre-tender information</i></b> Fixed: _____ Value related: _____ Time related: _____ Item

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

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

<b>12.1</b>	<b>PRE-TENDER INFORMATION</b>	
12.1.1 [2.2]	<b>Provisional bills of quantities</b> <i>The quantities are provisional</i>	(yes/no) <input type="text" value="No"/>
12.1.2 [2.3]	<b>Availability of construction documentation</b> <i>Construction documentation is complete</i>	(yes/no) <input type="text" value="Yes"/>
12.1.3 [2.4]	<b>Interests of agents</b> Details: N/A	
12.1.4 [3.1]	<b>Defined works area</b> Details: The area of the works to be occupied by the contractor, any restriction on the area and the limit of access or exit will be pointed out to tenderers by the principal agent at the pre-tender site inspection.  The contractor is required to fence the area occupied by him with a suitable fence at least 1,8m high with lockable access gates, which must be maintained during the construction period and removed on completion of the works.	
12.1.5 [3.2]	<b>Geotechnical investigation</b> Details: No geotechnical investigation is available.	
12.1.6 [3.4]	<b>Existing premises occupied</b> Specific requirements: The existing buildings on the premises will be in use and occupied during the execution of the works. The contractor shall exercise dust and sand control by watering the site regularly or by using any other suitable measures. The contractor shall provide for all necessary temporary hoardings, barriers, fencing, safety and other signage, etc he deems necessary. All services shall be maintained at all times to the existing buildings, etc and the contractor shall give timeous notice of any necessary interruption of any specific service.	
12.1.7 [3.5]	<b>Previous work – dimensional accuracy</b> Details: N/A	
12.1.8 [3.6]	<b>Previous work - defects</b> Details: N/A	
12.1.9 [3.7]	<b>Services - known</b> Details: Services not indicated on drawings will be pointed out on site by the principal agent	
12.1.10 [3.9]	<b>Protection of trees</b> Specific requirements: N/A	
12.1.11 [3.11]	<b>Inspection of adjoining properties</b> Specific requirements: All adjacent buildings, existing roads, kerbs, paving, services, etc shall be inspected before commencement of the works and all existing defects shall be recorded and a photographic record shall be kept.	
12.1.12 [6.2]	<b>Enclosure of the works</b> Specific requirements: The contractor shall place danger tape spanning between drums, poles, etc along the perimeter of the works, which shall be maintained and moved as necessary and removed on completion. The standard prohibitive notices, warnings, etc shall be erected at strategic positions.	
12.1.13	<b>Offices</b>	

[6.4.3]	<p>Specific requirements:</p> <p>The <b>contractor</b> shall provide, maintain and remove on completion of the works an office for the exclusive use of the <b>principal agent</b>, 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.</p>	
12.1.14 [6.5]	<p><b>Main notice board</b></p> <p>Specific requirements:</p> <p>The <b>contractor</b> shall provide, erect where directed, maintain and remove on completion of the <b>works</b> 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.</p>	
12.1.15 [6.6]	<p><b>Subcontractors' notice board</b></p> <p>Specific requirements:</p>	(yes/no) <input type="text" value="No"/>
12.1.16 [7.2]	<p><b>Water</b></p> <p>Option A (by <b>contractor</b>)</p> <p>Option B (by <b>employer</b> - free of charge)</p> <p>Option C (by <b>employer</b> - metered)</p>	(yes/no) <input type="text" value="No"/>
12.1.16 [7.2]		(yes/no) <input type="text" value="No"/>
		(yes/no) <input type="text" value="Yes"/>
12.1.17 [7.3]	<p><b>Electricity</b></p> <p>Option A (by <b>contractor</b>)</p> <p>Option B (by <b>employer</b> - free of charge)</p> <p>Option C (by <b>employer</b> - metered)</p>	(yes/no) <input type="text" value="No"/>
		(yes/no) <input type="text" value="No"/>
		(yes/no) <input type="text" value="Yes"/>
12.1.18 [7.4]	<p><b>Telecommunications</b></p> <p>Telephone</p> <p>Facsimile</p> <p>E-mail</p>	(yes/no) <input type="text" value="Yes"/>
		(yes/no) <input type="text" value="Yes"/>
		(yes/no) <input type="text" value="No"/>
12.1.19 [7.5]	<p><b>Ablution facilities</b></p> <p>Option A (by <b>contractor</b>)</p> <p>Option B (by <b>employer</b>)</p>	(yes/no) <input type="text" value="Yes"/>
		(yes/no) <input type="text" value="No"/>
12.1.20 [11.2]	<p><b>Protection of existing/sectionally occupied works</b></p> <p>Protection is required</p>	(yes/no) <input type="text" value="No"/>
12.1.21 [9.2]	<p><b>Special attendance</b></p> <p><b>Subcontractor</b> (1) details: N/A</p> <p><b>Subcontractor</b> (2) details: N/A</p> <p><b>Subcontractor</b> (3) details: N/A</p> <p><b>Subcontractor</b> (4) details: N/A</p>	
12.1.22	<p><b>Protection of the works</b></p>	

[11.1]	Specific requirements: N/A		
12.1.23 [11.5]	<b>Disturbance</b> Specific requirements: The <b>contractor</b> shall keep the site, structures, etc well watered during operations to prevent dust and shall provide and erect and remove on completion of the <b>works</b> all necessary temporary dust screens all to the satisfaction of the <b>principal agent</b>		
12.1.24 [11.6]	<b>Environmental disturbance</b> Specific requirements: N/A		
12.2	<b>POST-TENDER INFORMATION</b>		
12.2.1	<b>Payment of preliminaries</b>		
[10.2]	Option A (prorated)	(yes/no)	<input type="checkbox"/>
	Option B (calculated)	(yes/no)	<input type="checkbox"/>
12.2.2	<b>Adjustment of preliminaries</b>		
[10.3]	Option A (three categories)	(yes/no)	<input type="checkbox"/>
	Option B (detailed breakdown)	(yes/no)	<input type="checkbox"/>
12.2.3	<b>Additional agreed preliminaries items</b> Details:		

## SECTION C: SPECIFIC PRELIMINARIES

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

C1	<p><b>CONTRACT DRAWINGS</b></p> <p>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 <b>works</b> and the manner in which they are to be executed</p> <p>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 <b>principal agent</b></p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p style="text-align: right;"><b>Item</b></p>
C2	<p><b>GENERAL PREAMBLES</b></p> <p>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 <b>bills of quantities / lump sum document</b> and be referred to for the full descriptions of work to be done and materials to be used</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p style="text-align: right;"><b>Item</b></p>
C3	<p><b>TRADE NAMES</b></p> <p>Wherever a trade name for any product has been described in the <b>bills of quantities / lump sum document</b>, 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 <b>principal agent</b> 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> <p style="text-align: right;"><b>Item</b></p>
C4	<p><b>IMPORTED MATERIALS AND EQUIPMENT</b></p> <p>Where imported items are listed in the tender documents, the tenderer shall provide all the information called for, failing which the price of any such item, materials or equipment shall be excluded from currency fluctuations. (refer to Schedule of Imported Materials and Equipment (T2.2q) to be completed by tenderer)</p> <p>Notwithstanding any provisions elsewhere regarding the adjustment of contract prices, the price of any item, material or equipment listed in terms of this clause shall be excluded from the Contract Price Adjustment Provisions (if applicable)</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p style="text-align: right;"><b>Item</b></p>
C5	<p><b>VIEWING THE SITE IN SECURITY AREAS</b></p> <p>The <b>site</b> is situated in a security area and the tenderer must arrange with the unit commander or other responsible officer to obtain permission to enter the <b>site</b> for tendering purposes</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p style="text-align: right;"><b>N/A</b></p>

C10.1	<p><b>AWARENESS CHAMPION</b></p> <p>Selection, appointment, briefing and making available of an Awareness Champion including provision of all relevant services, all in accordance with the HIV/AIDS Specification</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p style="text-align: right;"><b>Item</b></p>
C10.2	<p><b>AWARENESS WORKSHOPS</b></p> <p>Selection and appointment of a competent Service Provider approved by the <b>principal agent</b>, 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</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p style="text-align: right;"><b>Item</b></p>
C10.3	<p><b>POSTERS, BOOKLETS, VIDEOS, ETC.</b></p> <p>Provision, displaying, maintaining and replacing when necessary of four plastic laminated posters, booklets and educational videos, etc. for the duration of the <b>construction period</b>, all in accordance with the HIV/AIDS Specification</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p style="text-align: right;"><b>Item</b></p>
C10.4	<p><b>ACCESS TO CONDOMS</b></p> <p>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 <b>construction period</b>, all in accordance with the HIV/AIDS Specification</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p style="text-align: right;"><b>Item</b></p>
C10.5	<p><b>MONITORING</b></p> <p>Monitoring HIV/AIDS awareness of workers, providing the <b>principal agent</b> with access to information including making available all reports, thoroughly completed and reflecting the correct information, for the duration of the <b>construction period</b> and close out, all in accordance with the HIV/AIDS Specification</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p style="text-align: right;"><b>Item</b></p>
C11	<p><b>OCCUPATIONAL HEALTH AND SAFETY ACT</b></p> <p>The <b>contractor</b> shall comply with the requirements set out in the Construction Regulations, 2003 issued under the Occupational Health and Safety Act, 1993 (Act No 85 of 1993).</p> <p>It is required of the <b>contractor</b> 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 <b>bills of quantities / lump sum document</b>.</p> <p>The <b>contractor</b> 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 <b>principal agent</b>, 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 <b>payment certificate</b> until the <b>contractor</b> provides satisfactory proof of compliance. The <b>contractor</b> shall not be entitled to any compensation of whatsoever nature, including interest, due to such delay of payment.</p>

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

C12

## **SOCIAL AND ECONOMIC DELIVERABLES IN CONSTRUCTION WORKS CONTRACTS**

The **contractor** shall thoroughly study and comply with the requirements and specification data set out in Appendix E: Specification for Social and Economic Deliverables in Construction Works Contracts.

Provision for pricing of Social and Economic Deliverables is made under items C12.1 to C12.3 hereafter and it is explicitly pointed out that all requirements of the aforementioned specification are deemed to be priced hereunder, and no additional items or extras to the contract in this regard shall be entertained.

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

Item

C12.1

### **UTILIZE LOCAL RESOURCES**

Deliverable A2: Utilize local resources as described in the Specification Data.

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

Item

C12.2

### **PROVIDE EXPERIENTIAL WORK OPPORTUNITIES TOWARDS A TECHNICAL QUALIFICATION FOR DESIGNATED PERSONS**

Deliverable E2: Provide experiential work opportunities towards a technical qualification for designated persons as described in the Specification Data.

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

Item

C12.3

### **PROVIDE EXPERIENTIAL WORK OPPORTUNITIES AND TRAINING TOWARDS TRADE COMPETENCIES FOR DESIGNATED PERSONS**

Deliverable E3: Provide experiential work opportunities and training towards trade competencies for designated persons as described in the Specification Data. N/A

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

Item

C13

### **LABOUR INTENSIVE WORKS**

Those parts of the **works** to be constructed using labour-intensive methods have been marked in the bills of quantities with the letters "LI" or the words "Labour Intensive". The **works**, or parts of the **works** so designated shall be constructed using labour-intensive methods only. The use of plant to execute such **works**, other than plant specifically provided for in the scope of work, is a variation to the contract. The items marked in the bills of quantities are not necessarily an exhaustive list of all **works** which shall be done by hand and this clause does not over-ride any of the requirements in the Specification for Social and Economic Deliverables in Construction Works Contracts.

Payment for items which are designated to be constructed labour-intensively (either in the bills of quantities or in the Scope of Works) shall not be made unless it was constructed using labour-intensive methods. Any unauthorised use of plant to carry out such works shall not be condoned and any works so constructed shall not be certified for payment. N/A

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

Item

**SECTION 1  
PRELIMINARIES**
**COLLECTION**
**AMOUNT**

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SECTION 2 BILL NO.1 DEMOLITIONS	Unit	Qty	Rate	Amount
<p><b><u>GENERAL NOTES</u></b></p> <p><b>Procedure of Work</b> The Client reserves the right to direct the order in which the contractor will be executed, should circumstances necessitate such action.</p> <p><b><u>Protection, etc.</u></b> The contractor must protect all work not removed such as walls, doors, windows, fittings, etc. from damage during the progress of the work and provide all necessary materials for doing so.</p> <p>All Shoring,etc. of portions of the existing buildings necessary to ensure the stability of the premises while executing the demolitions or alterations is to be provided by the contractor, who will be held solely responsible for any damage to persons or property and for the safety of the structure throughout the contract period. The Contractor will be required to make good at his own expense any damage that may occur.</p> <p><b><u>Existing Buildings Occupied</u></b> Tenderers are advised that the existing buildings will be in occupation during the building operations and due allowance must be made for the work being carried out in such a manner as will least interfere with the general routine of the occupants. Adequate warning must be given if a particular section of the building has to be evacuated to carry out the work. The contractor shall allow for this in his program as there will be no extension of time whatsoever will be entertained on failure of the contractor to properly arrange movement of the occupants in time.</p>				
<p style="text-align: right;"><b>Carried to Collection</b></p>				
<p><b>SECTION 2 - REPAIRS AND RENOVATIONS</b> <b>BILL NO.1</b> <b>DEMOLITIONS</b></p>				

<b>SECTION 2</b> <b>BILL NO.1</b> <b>DEMOLITIONS</b>	Unit	Qty	Rate	Amount
<p><b><u>GENERAL NOTES</u></b></p> <p><b><u>Noise Prevention</u></b></p> <p>The Contractor shall take special care to minimise noisy operations during business hours. Such measures will include, interalia, the use of silent compressors and strict control of workmen.</p> <p><b><u>Making good, etc.</u></b></p> <p>Prices are to include for making good in all trades to existing work, where damaged or disturbed through alterations, with all necessary new materials to match existing and leave complete and perfect in every respect.</p> <p><b><u>Water and other Piping</u></b></p> <p>Any water supply or other piping that may be met with and found necessary to disconnect or cut are to be effectually stopped off or grubbed up and removed and any new connections that may be necessary are to be made with proper fittings and to the satisfaction of the Client to whom due notice is to be given of all alterations to existing services.</p> <p><b><u>Material Arising from Demolition Work</u></b></p> <p>All material that has been demolished an that is still in good conditions to remain the property of the Client until the contractor is instructed to dispose such material. Contractor to have constant Communication with the Client and DPWI Representative regarding disposing of any material aring from demolitions or alterations</p> <p style="text-align: right;"><b>Carried to Collection</b></p> <p><b>SECTION 2 - REPAIRS AND RENOVATIONS</b>  <b>BILL NO.1</b>  <b>DEMOLITIONS</b></p>				R

<b>SECTION 2</b>		<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
<b>BILL NO.1</b>					
<b>DEMOLITIONS</b>					
<b>PREAMBLES</b>					
For Preambles refer to "Department of Public Works : Specification of Materials & Methods to be used PW371"					
<b>BREAKING UP AND REMOVING</b>					
1	Breaking up and removing average of 150mm unreinforced concrete surface etc	m <sup>2</sup>	30		
2	Breaking up and removing 100mm unreinforced concrete aprons including water v-channels	m <sup>2</sup>	80		
<b>TAKING DOWN AND REMOVING</b>					
3	Steel diamond mesh fence 1.5m high with steel posts and droppers	m	78		
<b>DEMOLISHING AND REMOVING</b>					
4	Single storey building with flat roof, 3m x 2m on plan and 3m high overall, comprising unreinforced concrete surface bed, roof sheeting, trusses and purlins, sanitary fittings and pipework, windows and doors including grubbing of reinforced strip footing foundations. Extra Care to be given as the building is attached into the main clinic building which is to remain for alteration. Damages to the main clinic building as a result of the negligence by the contractor will be paid for by the contractor	No	1		
5	Demolish existing septic tank of 3m x 3m on plan and depth of 3m into the ground, comprising M12 Block wall, 120mm concrete slab and plumbing pipework. The contractor will be required to empty the septic tank of all the solid waste including disposal to an approved solid waste site before demolition work begins and this must be included into the rate build up for demolition of the septic tank	No	1		
Carried to Section Summary					
<b>SECTION 2 - REPAIRS AND RENOVATIONS</b>					
<b>BILL NO.1</b>					
<b>DEMOLITIONS</b>					
				R	

<b>SECTION NO.2</b> <b>BILL NO.2</b> <b>ALTERATIONS</b>	Unit	Qty	Rate	Amount
<p><b><u>GENERAL NOTES</u></b></p> <p><b>Procedure of Work</b>  The Client reserves the right to direct the order in which the contractor will be executed, shaould circumstances necessitate such action.</p> <p><b><u>Protection, etc.</u></b>  The contractor must protect all work not removed such as walls, doors, windows, fittings, etc. from damage during the progress of the work and provide all necessary materials for doing so.</p> <p>All Shoring,etc. of portions of the existing buildings necessary to ensure the stability of the premises while executing the demolitions or alterations is to be provided by the contractor, who will be held solely responsible for any damage to persons or property and for the safety of the structure throughout the contract period. The Contractor will be required to make good at his own expense any damage that may occur.</p> <p><b><u>Existing Buildings Occupied</u></b>  Tenderers are advised that the existing buildings will be in occupation during the building operations and due allowance must be made for the work being carried out in such a manner as will least interfere with the general routine of the occupants.</p> <p>Adequate warning must be given if a paticular section of the building has to be evacuated to carry out the work. The contractor shall allow for this in his program as there will be no extension of time whatsoever will be entertained on failure of the contractor to properly arrange movement of the occupants in time.</p> <p style="text-align: right;"><b>Carried to Collection</b></p> <p><b>SECTION NO.2</b>  <b>BILL NO.2</b>  <b>ALTERATIONS</b></p>				<div>R</div>

<b>SECTION NO.2</b> <b>BILL NO.2</b> <b>ALTERATIONS</b>	Unit	Qty	Rate	Amount
<p><b><u>GENERAL NOTES</u></b></p> <p><b><u>Noise Prevention</u></b>  The Contractor shall take special care to minimise noisy operations during business hours. Such measures will include, interalia, the use of silent compressors and strict control of workmen.</p> <p><b><u>Making good, etc.</u></b>  Prices are to include for making good in all trades to existing work, where damaged or disturbed through alterations, with all necessary new materials to match existing and leave complete and perfect in every respect.</p> <p><b><u>Water and other Piping</u></b>  Any water supply or other piping that may be met with and found necessary to disconnect or cut are to be effectually stopped off or grubbed up and removed and any new connections that may be necessary are to be made with proper fittings and to the satisfaction of the Client to whom due notice is to be given of all alterations to existing services.</p> <p><b><u>Material Arising from Alteration Work</u></b>  All material that has been demolished and that is still in good conditions to remain the property of the Client until the contractor is instructed to dispose such material. Contractor to have constant Communication with the Client and DPWI Representative regarding disposing of any material arising from demolitions or alterations</p> <p style="text-align: right;"><b>Carried to Collection</b></p> <p><b>SECTION NO.2</b>  <b>BILL NO.2</b>  <b>ALTERATIONS</b></p>				
				R



<b>SECTION NO.2</b>		<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
<b>BILL NO.2</b>					
<b>ALTERATIONS</b>					
<b>PREAMBLES</b>					
For Preambles refer to "Department of Public Works : Specification of Materials & Methods to be used PW371"					
<b>REMOVAL OF EXISTING WORK</b>					
<b><u>Breaking up and removing reinforced concrete, including cutting off and removing reinforcement</u></b>					
1	Stairs and landings	m <sup>3</sup>	3		
2	Concrete slabs	m <sup>2</sup>	3		
<b><u>Breaking down and removing brickwork etc</u></b>					
3	Half brick walls	m <sup>2</sup>	1		
4	One brick walls	m <sup>2</sup>	2		
<b><u>Taking out and removing doors, windows, etc, including thresholds, sills, etc (building up openings and making good finishes elsewhere)</u></b>					
5	Timber single door and frame not exceeding 2,5m <sup>2</sup>	No	2		
6	Timber single door and steel frame not exceeding 2,5m <sup>2</sup> .	No	1		
7	Glazed steel window not exceeding 2,5m <sup>2</sup> and set aside for re-use	No	2		
8	Glazed steel window exceeding 2,5m <sup>2</sup> and set aside for re-use	No	2		
<b>Carried to Collection</b>					
<b>SECTION NO.2</b>					
<b>BILL NO.2</b>					

<u>SECTION NO.2</u>		Unit	Qty	Rate	Amount
<u>ALTERATIONS</u>					
<u>BILL NO.2</u>					
<u>ALTERATIONS</u>					
<u>REMOVAL OF EXISTING ROOF COVERINGS</u>					
<u>Temporary roof protection, etc. including removal:</u>					
<p>QS NOTE: The Contractor will be held responsible for all damage, however caused, to ceilings, finishes, etc, inside rooms where the existing roof covering has been removed and will be required to make good all damage at thier own expense to the approval of the employer.</p> <p><u>Taking down and removing pitched roof not exceeding 50° complete with ridge and hip cappings, fittings, flashings, fascisa and barge boards etc and including removal of damaged timber purlins, trusses etc as advised and agreed with the Department of Public Works and</u></p> <p><u>Profiled or corrugated metal roof sheeting from purlins to remain.</u></p>					
9	Profiled or corrugated metal roof sheeting including timber such as purlins, trusses and deemed necessary	m <sup>2</sup>	280		
<u>Taking out and removing sundry joinery work, fittings, etc</u>					
10	Ceilings	m <sup>2</sup>	90		
11	Timber cornices	m	380		
12	Timber skirtings	m	90		
Carried to Collection					
<u>SECTION NO.2</u>					





<u>SECTION NO.2</u>		Unit	Qty	Rate	Amount
<u>BILL NO.3</u>					
<u>EARTHWORKS (PROVISIONAL)</u>					
<u>SUPPLEMENTARY PREAMBLES</u>					
<u>Nature of ground</u>					
The soil is assumed to loamy sandy soil and is possibly interposed with and underlaid by some rock					
<u>Carting away of excavated material</u>					
Description of carting away excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations					
<u>EXCAVATIONS, FILLING, ETC</u>					
<u>Clear the site deteriorious material and shrub not exceeding 200mm girth</u>					
1	Site clearance	m <sup>2</sup>	602		
<u>Excavation in earth not exceeding 2m deep</u>					
2	Trenches	m <sup>3</sup>	10		
<u>Bulk Excavation in earth not exceeding 2m deep for Septic Tank</u>					
3	Bulk excavation not exceeding 2m	m <sup>3</sup>	32		
4	Ditto but exceeding 2m and not exceeding 4m	m <sup>3</sup>	16		
<u>Extra over trench and hole excavations in earth for excavation in</u>					
5	Soft rock	m <sup>3</sup>	5		
7	Hardrock	m <sup>3</sup>	3		
Carried to Collection					
<u>SECTION NO.2</u>					
<u>BILL NO.3</u>					

EARTHWORKS (PROVISIONAL)		Unit	Qty	Rate	Amount
<b>SECTION NO.2</b>					
<b>BILL NO.3</b>					
<b>EARTHWORKS (PROVISIONAL)</b>					
<b><u>Extra over all excavations for carting away</u></b>					
8	Surplus material from excavations and or stock piles on site to a dumping site to be located by the contractor	m <sup>3</sup>	15		
<b><u>Risk of Collape of excavations</u></b>					
9	Sides of trench not exceeding 1.5m deep	m <sup>2</sup>	30		
10	Sides of trench exceeding 1.5m deep	m <sup>2</sup>	40		
<b><u>Keeping excavations free of water</u></b>					
11	Keeping excavations free of water	Item	1		
<b><u>Earth filling obtained from the excavations</u></b>					
12	Backfilling to trenches and holes	m <sup>3</sup>	10		
<b><u>Approved G6 filling supplied and carted on by the Contractor, compacted in layers not exceeding 150mm to 93% Mod. AASHTO density</u></b>					
13	Under solid floors	m <sup>3</sup>	10		
<b><u>Coarse river sand filling supplied by the</u></b>					
14	40mm thick Sand under floors	m <sup>3</sup>	10		
<b><u>Compaction of surfaces</u></b>					
15	Compaction of ground surfaces under floors, paving, etc adding suitable material where necessary and compacting to 98% Mod AASHTO density	m <sup>2</sup>	602		
<b>Carried to Collection</b>					
<b>SECTION NO.2</b>					

R



<u>SECTION NO.2</u>		Unit	Qty	Rate	Amount
<u>BILL NO.4</u>					
<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>					
<u>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>					
<u>15MPa/20mm concrete</u>					
1	Surface beds	m <sup>3</sup>	6		
1	Strip footing	m <sup>3</sup>	10		
2	Stairs and landing	m <sup>3</sup>	6		
<u>ROUGH FORMWORK (DEGREE ACCURACY II)</u>					
<u>Rough formwork to side</u>					
3	Steps	m <sup>2</sup>	4		
4	Edges, risers, etc not exceeding 300mm high	m	50		
<u>REINFORCEMENT</u>					
<u>Fabric reinforcement</u>					
5	Type 245 fabric reinforcement in concrete	m <sup>2</sup>	50		
Carried to Section Summary					
<u>SECTION NO.2</u>					
<u>BILL NO.4</u>					
<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>					

R



SECTION NO.2 BILL NO.5 MASONRY		Unit	Qty	Rate	Amount
<b><u>BRICKWORK</u></b>					
<b><u>FOUNDATION BRICKWORK</u></b>					
<b><u>Brickwork of NFX bricks (14MPa nominal compressive strength) in class II cement mortar</u></b>					
1	220mm one brick wall	m <sup>2</sup>	10		
<b><u>FACE BRICKWORK</u></b>					
<b><u>External facings in approved face bricks (FBX) pointed with tinted horizontal and vertical joints with cement mortar to match colour of face bricks and seal with ABE Durasil S sealant</u></b>					
2	Extra over brickwork for face brickwork, in foundations	m <sup>2</sup>	4		
<b><u>SUPERSTRUCTURE</u></b>					
<b><u>Brickwork of NFX bricks (14MPa nominal compressive strength) in class II cement mortar</u></b>					
3	230mm one brick wall	m <sup>2</sup>	90		
<b><u>BRICKWORK SUNDRIES</u></b>					
<b><u>2.8mm galvanised brick reinforcement built horizontally on brick wall on every 3 coarses. Supplied in 20m long rolls</u></b>					
4	100mm wide Brick reinforcement	m	180		
Carried to Section Summary				R	
SECTION NO.2 BILL NO.5 MASONRY					

SECTION NO.2 BILL NO.6 WATERPROOFING		Unit	Qty	Rate	Amount
<b>PREAMBLES</b> For Preambles refer to "Department of Public Works : Specification of Materials & Methods to be used PW371"(www.publicworks.gov.za)					
<b><u>WATERPROOFING TO ROOFS, ETC.</u></b>  Waterproofing to roofs, etc. must be done by an approved firm of specialists in this type of work and must be carried out in accordance with the Manufacturer's instructions. The Contractor must provide a ten year guarantee acceptable to the Client for this work					
<b><u>DAMP-PROOFING OF WALLS AND FLOORS</u></b>  One layer of 375 micron black embossed polyethylene damp-proof course (SANS 952-1985 Type B)					
<b><u>Apply approved white silicone sealant, well caulked into joints or recesses to:</u></b>					
1	Junction of walls and cornices.	m <sup>2</sup>	30		
2	Junction of tiled or painted walls and around sanitary fittings.	m	110		
3		m	25		
Carried to Section Summary					R
SECTION NO.2 BILL NO.6 WATERPROOFING					

SECTION NO.2	Unit	Qty	Rate	Amount
<u>BILL NO.7</u>				
<u>ROOF COVERINGS</u>				
<p><u>PREAMBLES</u></p> <p>Tenderers are to refer to the Model Preambles for Trades (Latest Edition) and Supplementary Preambles for further description and amplification of work in this section</p> <p><u>FIXING</u></p> <p>Fixing shall be done according to SABS 1200HB with minimum 225mm end laps.</p> <p><u>Guarantee</u></p> <p>The contractor will be required to provide a written guarantee stating that:</p> <p><u>The roof sheeting is of the specified thickness</u></p> <p><u>The client is indemnified against any defects including colour deterioration for a minimum period of 15 years</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>PROFILED METAL SHEETING AND ACCESSORIES</u></p> <p>Profiled metal roof coverings are to be "GRS Clip-Lock 700" or similar approved deep trough steel sheeting with interlocking profile and clip fixing system. Sheeting shall be fixed to steel purlins in accordance with manufacturer's instructions.</p> <p>Prices for sheeting are to include for all straight cutting and waste, laps, protecting from damage and cleaning down at completion - all in strict accordance with manufacturer's instructions and to the approval of the Client</p>				
Carried to Collection				
SECTION NO.2				
BILL NO.7				
ROOF COVERINGS				
<u>BILL NO.7</u>				

<b>SECTION NO.2</b>		<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
<b>ROOF COVERINGS</b>					
<p>Prices for ridges, closers, etc are to include for all cutting and fitting at ends, etc</p> <p>All roof coverings installed are to comply with SABS Code of Practice 0237 as applicable. All roof sheeting shall be workmanship and water tightness</p> <p>Profiled metal roof sheeting to be used is 0.58mm IBR or similar approved. Sheeting shall be fixed to steel purlins in accordance with manufacturer's instructions.</p> <p>All roof coverings installed are to comply with relevant SABS Code of Practice</p>					
<b><u>PROFILED METAL SHEETING AND ACCESSORIES</u></b>					
<p><b><u>0.58mm thick pre painted Charcoal grey 'IBR' chromadeck roof sheeting to be supplied and installed by roof specialist as per specialist design or similar approved to architects approval with polyclosers fixed to timber purlins at approximately 1.2mm centers</u></b></p>					
1	Roof covering with pitch not exceeding 25°	m²	138		
2	Ridge capping	m	35		
<b><u>RAINWATER DISPOSAL</u></b>					
<p><b><u>Ogee profile colorbond pre- coated Zinalume seamless gutter, size 80 x 80 x 0.5mm thick in colour charcoal grey including matching rivet- fixed mitres and end caps internally sealed with silicon mastic, hung by nail fixed internal aluminium hangers at 800mm centres.</u></b></p>					
3	80 x 80mm Eaves gutters to falls, with front edge, on and including gutter brackets fixed to steel roofs	m	130		
4	Extra over eaves gutter for outlet with nozzle for 100 x 75mm pipe	No	10		
<b>Carried to Collection</b>					
<b>SECTION NO.2</b>					
<b>BILL NO.7</b>					

SECTION NO.2		Unit	Qty	Rate	Amount
ROOF COVERINGS					
BILL NO.7					
ROOF COVERINGS					
5	80 x 75 mm Rainwater pipes, fixed to walls with pre-painted cleats using nail-in anchor fixings to discharge water into existing water tanks	m	45		
ROOF INSULATION					
Sisalation heavy industrial grade aluminum foil based insulation:					
6	Insulation laid taut over purlins (at approximately 900mm centres) and fixed concurrent with roof covering including galvanised steel straining wires, laps, etc.	m <sup>2</sup>	56		
Carried to Collection					
SECTION NO.2					
BILL NO.7					



SECTION NO.2		Unit	Qty	Rate	Amount
<b>BILL NO.8</b>					
<b>CARPENTRY AND JOINERY</b>					
<b>PREAMBLES</b>					
For Preambles refer to "Department of Public Works : Specification of Materials & Methods to be used PW371"(www.publicworks.gov.za)					
<b>ROOFS ETC</b>					
Plate nailed timber truss construction of gable building, roof at 25 degressed pitch, rafters and tie beams 32x108mm, struts 32x69mm, standard galvanised metal gusset plates, trusses to be hoisted and fixed in position approximately 3.5m above ground level					
<b>FIXING</b>					
Items described as "nailed"shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete.					
<b>EAVES, VERGES, ETC.</b>					
<b>Fibre Cement Fascia and Barge Board</b>					
1	Medium density plain ungrooved fibre cement fascia/barge boards, 150mm x 10mm thick, fixed to rafters at max 90mm c/c twice screwed with 12 x 40mm countersunk brass screws with PVC H-profile fascia corner joiners at board ends	m	60		
<b>SKIRTINGS</b>					
<b>Wrought meranti</b>					
2	19x69mm Skirtings, nailed	m	90		
<b>DOOR FRAMED FRAMES ETC</b>					
<b>Supply and fix in position timber frames</b>					
3	69x107mm Rebated framed frame only for existing building	No	3		
<b>Carried to Collection</b>					
<b>SECTION NO.2</b>					

SECTION NO.2		Unit	Qty	Rate	Amount
BILL NO.8					
CARPENTRY AND JOINERY					
BILL NO.8					
CARPENTRY AND JOINERY					
<u>DOORS ETC</u>					
<u>Wrought Meranti doors and fix in position on steel frames</u>					
4	Solid core flush panel door 813 x 2032mm high	No	15		
<u>PREFACABRICATED TRUSSES</u>					
<u>22 degrees roof trusses complete with rafters, tie beam, king post, queen post etc with 8,5m span, approximately 1,8m high and 600mm overhangs manufactured as per Engineer's Design</u>					
5	Prefabricated Trusses	No	3		
Carried to Collection					
SECTION NO.2					





SECTION NO.2	Unit	Qty	Rate	Amount
<b>BILL NO.9</b>				
<b>CEILINGS AND PARTITIONS</b>				
<b>PREAMBLES</b>				
For Preambles refer to "Department of Public Works : Specification of Materials & Methods to be used PW371"(www.publicworks.gov.za)				
<b>SUPPLEMENTARY PREAMBLES</b>				
<u>Openings</u>				
Prices for openings for light fittings, ventilation grilles, air conditioning diffusers, etc are to include for any necessary additional support, trimming around, etc				
<u>FIXING</u>				
Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete.				
<b>NAILED UP CEILINGS</b>				
<u>6.4mm Rhinoboard ceiling fixed to existing brandering with 38mm galvanised clout nails at 150mm centres with Fibatape cover strips over joints with all nail heads stopped and sanded level , all in strict accordance with Manufacturer's instructions</u>				
1 Ceilings fixed to brandering (elsewhere measured)	m²	45		
<u>Trap Door</u>				
Extra over ceiling board for cutting in and forming trap door size 500 x 500mm with 38 x 38 mm wrought softwood rebated framing with one cross brander, covered with ceiling board and fitted flush in opening, including necessary trimming around etc	No	2		
<b>Carried to Collection</b>				
<b>SECTION NO.2</b>				
<b>BILL NO.9</b>				

SECTION NO.2 CEILINGS AND PARTITIONS BILL NO.9 CEILINGS AND PARTITIONS		Unit	Qty	Rate	Amount
5	<u>Cornice</u>				
	75mm coved cornice plugged to walls including mitres etc	m	240		
Carried to Collection					
SECTION NO.2 BILL NO.9					



<b>SECTION NO.2</b>		<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
<b>BILL NO.10</b>					
<b>FLOOR COVERINGS, WALL LININGS, ETC</b>					
<b>PREAMBLES</b>					
For Preambles refer to "Department of Public Works : Specification of Materials & Methods to be used PW371"(www.publicworks.gov.za)					
<b>FIXING</b>					
Floor coverings, wall linings, etc shall, where applicable, be fixed with adhesive as recommended by the manufacturers of the flooring, linings, etc					
<b>FLOOR COVERINGS - VINYL TILES</b>					
<b>QS NOTE</b>					
The colour of the vinyl tile is to always match the existing on site unless otherwise stated. To be confirmed with DPW Representative before purchase is made					
<b>WOOD BLOCK FLOOR COVERING</b>					
<b>Prepare, clean and apply 2 coats of polish/vanish to existing wood block timber floor as per the instructions of the Architect</b>					
1	On Wood Block timber floors	m <sup>2</sup>	45		
<b>300 x 300 x 2,5mm Superflex approved heavy duty vinyl tiles:</b>					
2	On floors	m <sup>2</sup>	15		
<b>SUNDRIES</b>					
<b>Prepare and apply three coats of a water based floor dressing complying to SABS 1042</b>					
3	On vinyl flooring	m <sup>2</sup>	15		
4	Polishing and stripping vynil	m <sup>2</sup>	15		
Carried to Section Summary					
<b>SECTION NO.2</b>					
<b>BILL NO.10</b>					
<b>FLOOR COVERING, WALL LININGS, ETC</b>					

SECTION NO.2 BILL NO.11 IRONMONGERY		Unit	Qty	Rate	Amount
<b>PREAMBLES</b>					
For Preambles refer to "Department of Public Works : Specification of Materials & Methods to be used PW371"(www.publicworks.gov.za)					
<u><b>Fixing</b></u>					
Descriptions of all items shall be deemed to include fixing in position and all fixing accessories					
All keys are to have a plastic tag with the door number					
<u><b>HINGES, BOLTS, ETC</b></u>					
1	Stainless steel hinge, 100x76x3mm, pair	No	45		
<u><b>LOCKS, ETC</b></u>					
2	Stainless steel 3 lever lock latch and deadbolt, 57mm backset, 57mm centre	No	15		
<u><b>Fabric blinds (Vertical Slats)</b></u>					
3	Fabric Blinds with vertical slats width of 90mm and blue colour. The blind is 1200mm wide x 1500mm high complete with headrail, slats, tilt chain, control end, pull cord and all fixing screws etc	No	5		
<u><b>STEEL LOCKERS, CUPBOARDS, ETC</b></u>					
<u><b>Standard steel teachers cupboard:</b></u>					
4	Steel cupboard "Code CU-10" size 450mm x 900mm x1800mm high complete including relocating to new classrooms upon completion	No	5		
<b>Carried to Collection</b>					
<b>SECTION NO.2</b>					
<b>BILL NO.11</b>					
<b>IRONMONGERY</b>					

R

SECTION NO.2 BILL NO.11 IRONMONGERY		Unit	Qty	Rate	Amount
<b><u>TOILET PAPER ROLL HOLDER</u></b>					
5	0,8mm thick satin finished stainless steel 3 toilet roll dispense size 144 x 145 x 610mm, plugged and screwed to the wall with stainless steel screws.	No	14		
<b><u>AUTOMATIC HAND SANITISER</u></b>					
6	Wall Mounted Stainless Steel Hand Sanitiser Dispenser	No	14		
Carried to Collection					
SECTION NO.2 BILL NO.11 IRONMONGERY					

<u>SECTION NO.2</u> <u>BILL NO.11</u> <u>IRONMONGERY</u>		Unit	Qty	Rate	Amount
COLLECTION		Page No 241 242			
Total Brought Forward from Page No.					
		</			



<b>SECTION NO. 2</b>		<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
<b>BILL NO.12</b>					
<b>STRUCTURAL STEEL</b>					
<b>PREAMBLES</b>					
For Preambles refer to "Department of Public Works : Specification of Materials & Methods to be used PW371"(www.publicworks.gov.za)					
<b>SUPPLEMENTARY PREAMBLES</b>					
The contractor will be required to visit the site with DPW Representative to fully satisfy himself of the extent of structural repair work to be done before any procurement of any steel items is made					
<b>STRUCTURAL STEELWORK</b>					
<b>GALVANISED STEEL COLUMN, BEAMS, PURLINS ETC</b>					
<b>GALVANISED STEEL COLUMNS ETC</b>					
1	90x90x16,07kg/m square hollow section columns in single lengths not exceeding 13m long. The fixing of the steel column will include being concreted 500mm deep into the ground of 200x200mm excavated hole and the price must include for this work. At the top, the column will be fixed to steel purlins with bolts	t	0,90		
2	20mm diameter bolts 300mm girth complete with nuts and washers for fixing together the column and purlins including drilling of holes and any welding that may be necessary	No	40		
<b>GALVANISED STEEL PURLINS ETC</b>					
3	100x75x6,3kg/m C-Section channel purlins including all connections, cutting, bolting and welding as necessary on site in single lengths not exceeding 13m long	t	0,90		
Carried to Section Summary					R
<b>SECTION NO.2</b>					
<b>BILL NO.12</b>					

<b>SECTION NO.2</b> <b>BILL NO.13</b> <b>METALWORK</b>	Unit	Qty	Rate	Amount
<b>PREAMBLES</b> For Preambles refer to "Department of Public Works : Specification of Materials & Methods to be used PW371"(www.publicworks.gov.za)				
<b><u>WELDED SCREENS, GATES, ETC</u></b>				
<b><u>Hot dip galvanised after manufacture screens and gates to external doors</u></b>				
1 Single gate 900 x 2050 mm high of 60 x 40 x 2,5 mm hollow section frame filled in with 40 x 20 x 2.5 mm hollow section verticals at 120 mm centres, fitted with narrow style lock box and backing plate and two 100 mm heavy duty butt hinges welded.	No	3		
2 Double gate size 1800 x 2050 mm high, each leaf of 60 x 40 x 2.5 mm hollow section frame filled in with 40 x 20 x 2.5 mm hollow section verticals at 120 mm centres, one leaf fitted with narrow style lock box and backing plate and both leaves each with two 254 x 40 x 5 mm lock and band hinges built into brickwork and welded on.	No	1		
<b><u>BALUSTRADING ETC</u></b>				
<b><u>SUPPLEMENTARY PREAMBLES</u></b>				
All Galvanised Mild Steel handrails and balustrades to be cleaned with reputable galvanised iron cleaner, such as Iron Pre-Cleaner until a waterbrek free surface is achieved. Paint all joint and any welded areas with. A contractor is to visit site to ascertain correctness of measurements before manufacturing all balustading items.				
Carried to Collection			R	
<b>SECTION NO.2</b> <b>BILL NO.13</b> <b>METALWORK</b>				

<b>SECTION NO.2</b>		<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
<b>BILL NO.13</b>					
<b>METALWORK</b>					
<b><u>On Walkways</u></b>					
3	1025mm high Galvanised Mild Steel Balustrade consisting of 10mm x 50mm flat top rail bar, 10mm x 50mm flat end post welded to the base plate, 16mm diameter solid round corner bar welded to base plate,	m	25		
	16mm diameter solid round bar intermediate post @1200mm c/c, 16mm diameter solid round upright bars, 10mm x 50mm flat bottom rail bar. 125mm x 125mm x 6mm base plate with bolts fixed to brickwork. All to be primed and painted				
<b><u>ALUMINIUM DOORS AND WINDOWS</u></b>					
4	Double leaf Anodised Grade AA25-25u thick Aluminium Door size 1500 x 2350mm high glazed with 6.5mm clear safety low E Glass on default aluminium frame with a U-value of 5.73 and SHGc of 0.6 hung on three aluminium reflex hinges with nylon bushes, with clip-on glazing beads with gasket seals, flushbolt and a high quality cylinder lock, plugged to brickwork in accordance with AAAMSA	No	1		
	Double leaf Anodised Grade AA25-25u thick Aluminium Sliding Door size 1500 x 2350mm high glazed with 6.5mm clear safety low E Glass on default aluminium frame with a U-value of 5.73 and SHGc of 0.6 hung on three aluminium reflex hinges with nylon bushes, with clip-on glazing beads with gasket seals, flushbolt and a high quality cylinder lock, plugged to brickwork in accordance with AAAMSA				
<b>Carried to Collection</b>					
<b>SECTION NO.2</b>					
<b>BILL NO.13</b>					

SECTION NO.2	Unit	Qty	Rate	Amount
METALWORK				
BILL NO.13				
METALWORK				
COLLECTION				
Total Brought Forward from Page No.	Page No			
	245			
	246			
Carried to Section Summary				R
SECTION NO.2				
BILL NO.13				



SECTION NO.2		Unit	Qty	Rate	Amount
BILL NO.15					
TILING					
<p><b>PREAMBLES</b></p> <p>For Preambles refer to "Department of Public Works : Specification of Materials &amp; Methods to be used PW371"(www.publicworks.gov.za)</p> <p><b>QS NOTE</b></p> <p>The contractor is to first confirm on site with DPW Representative the type, size and colour of tiles required before procurement is made</p> <p><b>Fixing</b></p> <p>Ceramic, porcelain, marble and granite tiles are to be fixed and grouted with suitable adhesives and grouts as recommended by the manufacturer of the tiles</p> <p><b>Patterns</b></p> <p>Unless otherwise described, tiles shall be laid with continuous joints in both directions</p> <p><b>WALL TILING</b></p> <p><b><u>152 x 152 x 5mm First quality, white glazed, cushion edged, ceramic tiles fixed with an approved adhesive to plastered walls (plaster elsewhere measured):</u></b></p> <p>1 On walls</p> <p>2 On walls in isolated panels, splashback,etc.</p> <p>3 On walls in small areas abutting existing work.</p> <p>4 On walls in narrow widths.</p> <p>5 On projecting and isolated columns.</p> <p><b>Carried to Collection</b></p>					
SECTION NO.2					
BILL NO.15					
TILING					

<b>SECTION NO.2</b>		<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
<b>BILL NO.15</b>					
<b>TILING</b>					
6	Extra over tiling in narrow widths for bull nosing on external edge.	m	2		
7	Extra over tiling to walls for decorative uPVC corner strip to external angles, to approved colours and fixing in adhesive under tiles.	m	2		
8	Circular cutting to ceramic wall tiles.	m	2		
9	Fair exposed cutting and fitting around pipes, etc. not exceeding 150mm diameter.	No	3		
<b>FLOOR TILING</b>					
<b>400 x 400 x 5mm White glazed ceramic tiles</b>					
10	On floors and landings	m <sup>2</sup>	5		
11	On risers 190mm high	m	2		
12	On treads 300mm wide	m	2		
13	Skirting 100mm high	m	10		
<b>Stair nosings</b>					
14	3mm wide M-Trim aluminim retro stair nosing	m	10		
<b>Carried to Collection</b>				R	
<b>SECTION NO.2</b>					
<b>BILL NO.12</b>					
<b>TILING</b>					
<b>BILL NO.15</b>					





SECTION NO.2	Unit	Qty	Rate	Amount
<b>BILL NO.16</b>				
<b>PLUMBING &amp; DRAINAGE</b>				
<b>PREAMBLES</b>				
For Preambles refer to "Department of Public Works : Specification of Materials & Methods to be used PW371"(www.publicworks.gov.za)				
<b>SUPPLEMENTARY PREAMBLES</b>				
<b><u>Sealing of edges</u></b>				
Outer edges of sinks, basins, baths, urinals, etc are to be sealed against adjacent surfaces with approved silicone				
<b><u>PVC-U pipes and fittings</u></b>				
Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings Soil, waste and vent pipes and fittings shall be solvent weld jointed or sealed with butyl rubber rings				
<b><u>PVC-U pressure pipes and fittings</u></b>				
Pipes of 50mm diameter and smaller shall be plain ended with solvent welded PVC-U loose sockets and fittings Pipes of 63mm diameter and greater shall have sockets and spigots with push-in type integral rubber ring joints. Bends shall be PVC-U and all other fittings shall be cast iron, all with similar push-in type joints				
<b><u>High density polyethylene (HDPE) pipes and</u></b>				
Pipes shall be type IV and of the class specified with compression fittings				
<b>Carried to Collection</b>				
<b>SECTION NO.2</b>				
<b>BILL NO.16</b>				
<b>PLUMBING &amp; DRAINAGE</b>				

SECTION NO.2	Unit	Qty	Rate	Amount
<b>BILL NO.16</b>				
<b>PLUMBING &amp; DRAINAGE</b>				
<p><b><u>Polypropylene pipes</u></b></p> <p>Polypropylene pipes 54mm diameter and smaller shall be seamless copper coloured Class 16 pipes jointed with heat welded thermoplastic or where so described compression fittings Pipes shall be firmly fixed to walls, etc with coloured nylon snap-in pipe clips with provision for accommodating thermal movement and jointed and fixed strictly in accordance with the manufacturer's instructions</p> <p><b><u>Copper pipes</u></b></p> <p>Pipes shall be hard drawn and half-hard pipes of the class described. Class 0 (thin walled hard drawn) pipes shall not be bent. Class 1 (thin walled half-hard), Class 2 (half-hard) and Class 3 (heavy walled half-hard) pipes shall only be bent with benders with inner and outer formers. Fittings to copper waste, vent and anti-syphon pipes, capillary solder fittings and compression fittings shall be "?" type. Capillary solder fittings shall comply with ISO 2016</p> <p>Copper pipes are to be installed in accordance with the latest revision of the Code of Practice for Copper Plumbing soldering techniques. Flux, solder, etc to be strictly in accordance with the manufacturer's requirements with special attention to copper flux composition</p> <p><b><u>Reducing fittings</u></b></p> <p>Where fittings have reducing ends or branches they are described as "reducing" and only the largest end or branch size is given. Should the contractor wish to use other fittings and bushes or reducers he may do so on the understanding that no claim in this regard will be entertained</p> <p style="text-align: right;"><b>Carried to Collection</b></p> <p><b>SECTION NO.2</b> <b>BILL NO.16</b> <b>PLUMBING &amp; DRAINAGE</b></p>				
				R

SECTION NO.2	Unit	Qty	Rate	Amount
<b>BILL NO.16</b>				
<b>PLUMBING &amp; DRAINAGE</b>				
<b><u>Fixing of pipes</u></b>				
Unless specifically otherwise stated, descriptions of pipes shall be deemed to include fixing to walls, etc, casting in, building in or suspending not exceeding 1m below suspension level				
<b><u>Paper wrapping to pipes</u></b>				
Pipes chased into brickwork must be wrapped with two layers of stout brown paper tied with wire. Rates are to include for wrapping around joints and fittings				
<b><u>Disinfection of water pipework</u></b>				
Water pipework is to be disinfected at completion				
<b><u>Laying, backfilling, bedding, etc of pipes</u></b>				
Pipes shall be laid and bedded in accordance with manufacturers' instructions and trenches shall be carefully backfilled				
Where no manufacturers' instructions exist, pipes shall be laid in accordance with the relevant section of SANS 2001				
<b><u>GENERAL</u></b>				
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 7% Mod AASHTO density and disposal of surplus material on site				
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)				
<b>Carried to Collection</b>				
<b>SECTION NO.2</b>				
<b>BILL NO.16</b>				
<b>PLUMBING &amp; DRAINAGE</b>				

R

<b>SECTION NO.2</b>		<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
<b>BILL NO.16</b>					
<b>PLUMBING &amp; DRAINAGE</b>					
<b><u>GENERAL</u></b>					
Descriptions of WC pans, slop hoppers, etc shall be deemed to include for joints to soil pipes (pan connectors are separately measured)					
<b><u>As-built drawings</u></b>					
Where required, the contractor shall prepare an updated set of as-built drawings. At completion of the contract the contractor shall hand these drawings to the principal agent for reproducing onto the originals for handing over to the employer (provision for allowance of as-built drawings elsewhere)					
<b><u>SOIL DRAINAGE</u></b>					
<b><u>PVC-U PIPES</u></b>					
1	Marley 110mm PVC Underground Pipe laid in and including trenches not exceeding 1m deep	m	150		
<b><u>SUNDRIES</u></b>					
2	Extra over excavation in earth for pipe trenches etc for excavation in soft rock	m³	15		
3	Extra over excavation in earth for pipe trenches etc for excavation in hard rock	m³	7		
4	Backfilling to pipe trenches	m³	150		
<b><u>Extra over PVC-U pipes for fittings</u></b>					
5	Marley 110mm PVC Underground Double Socket	No	8		
6	Marley 110mm PVC Underground 135° Bend	No	8		
7	Marley 110mm PVC Underground 90° Bend	No	8		
<b>Carried to Collection</b>					
<b>SECTION NO.2</b>					
<b>BILL NO.16</b>					
<b>PLUMBING &amp; DRAINAGE</b>					

<b>SECTION NO.2</b>		<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
<b>BILL NO.16</b>					
<b>PLUMBING &amp; DRAINAGE</b>					
8	Marley Plain 110mm PVC Underground 90° T-Junction	No	4		
9	Marley 100mm PVC Underground Stop-end Access	No	7		
10	Marley 110mm PVC Underground 45° Bend	No	6		
<b><u>Gulleys, Grease Traps etc</u></b>					
11	110mm Rodding eye	No	4		
12	Gully P-Trap	No	3		
<b><u>WATER SUPPLY</u></b>					
<b><u>460/2 copper pipe including fittings and holderbats fixed against the wall</u></b>					
13	15mm copper pipe chased into walls	m	115		
14	15mm but in roof ceiling space	m	115		
15	22mm copper pipe chased into walls	m	60		
16	22mm copper pipe in roof ceilin space	m	60		
<b><u>460/2 Underground Copper Pipe laid in and including trenches, backfilling and compaction not exceeding 1m deep with all fiitings as deemed necessary</u></b>					
17	15mm copper pipe in trenches	m	80		
18	22mm copper pipe in trenches	m	90		
<b><u>Extra over class 460/2 copper pipes for capillary fittings:</u></b>					
53	15mm fittings	No	30		
54	22mm fittings	No	30		
<b>Carried to Collection</b>					
<b>SECTION NO.2</b>					
<b>BILL NO.16</b>					
<b>PLUMBING &amp; DRAINAGE</b>					

<b>SECTION NO.2</b>		<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
<b>BILL NO.16</b>					
<b>PLUMBING &amp; DRAINAGE</b>					
	<b><u>Connections</u></b>				
19	Connection of new 110mm diameter pipework to existing pipework including all necessary fittings	No	4		
20	Connection of new 22mm diameter copper pipework to existing pipework including all necessary fittings	No	4		
21	Connection of new 15mm diameter copper pipework to existing pipework including all necessary fittings	No	4		
<b><u>SANITARY FITTINGS, TANKS, GEYSERS ETC</u></b>					
<b><u>WASH HAND BASINS AND SINKS</u></b>					
22	Vaal Sanitaryware Sola Medical 510 vitreous china hospital basin colour White (code: 703700), size 510 x400mm including 32mm chrome plated standing overflow tube (product code 8630Z0), fixed to wall on and including concealed wall bracket (code: 8131Z2) and three 10mm bolts (code: 8448Z0) and sealed with silicone sealant where basin meets wall.	No	15		
23	Franke Drop-In stainless steel kitchen sink size 1160 x 460 x 149mm with 2 drain holes including anchor bolts and flat bar mounting brackets.	No	1		
<b><u>WASTE UNIONS ETC</u></b>					
24	32mm diameter chromium plated basin waste union	No	15		
<b><u>TRAPS ETC</u></b>					
25	Cobra Watertech Medical Elbow Action Bib Tap (code: 515/055-21PB) with ¼ turn ceramic disc, wall type mixer with swivel outlet. ½" BSP fixed male connection inlet with 178mm centres manufactured in accordance with SANS 226 TYPE 2.	No	16		
<b>Carried to Collection</b>				R	
<b>SECTION NO.2</b>					
<b>BILL NO.16</b>					
<b>PLUMBING &amp; DRAINAGE</b>					

SECTION NO.2 BILL NO 15 PLUMBING & DRAINAGE		Unit	Qty	Rate	Amount
<b><u>WATER CLOSET (W.C)</u></b>					
26	Vaal Sanitaryware vitreous china "Hibiscus Elite Vandal Proof" low level close couple suite (code 772404), complete with front push button, lid, fittings and low level flush pipe. The cistern is designed to flush effectively on 6 litres subject to being installed with a pan providing an effective 6 litre flush	No	6		
<b><u>GRAB RAILS AND TOWEL RAILS</u></b>					
27	32mm STAINLESS STEEL BACK HORIZONTAL GRAB RAIL or similar approved. NB: To be @ 800mm above SFL	No	1		
28	32mm STAINLESS STEEL SIDE GRAB RAILS or similar approved. NB: To be @ 800mm above SFL	No	1		
<b><u>MIRRORS ETC</u></b>					
29	600mm width x 1800mm depth x 4mm thick full length mirror @ 300mm above FFL, to be fixed to wall by means of adhesive.	No	7		
<b><u>HAT AND COAT HOOK</u></b>					
30	DORMA DHC-SS-031B stainless steel hat and coat hook with rubber buffer.	No	3		
<b><u>SOAP RACK</u></b>					
31	Franke BHM5P polished stainless steel single arm single arm soap rack (Code: 359943), size 110 x 114mm deep, plugged and screwed to the wall with stainless steel screws.	No	7		
Carried to Collection					
SECTION NO.2 BILL NO.16 PLUMBING & DRAINAGE					







SECTION NO.2	Unit	Qty	Rate	Amount
<b>BILL NO.17</b>				
<b>GLAZING</b>				
<b>PREAMBLES</b>				
For Preambles refer to "Department of Public Works : Specification of Materials & Methods to be used PW371"(www.publicworks.gov.za)				
<b>QS NOTE</b>				
The contractor is to first confirm on site the type of windows (steel, timber or aluminium) for the required glazing before any procurement is made. This will help to know if a putty for timber windows or rubberized strips for aluminium windows is required				
<b>SUPPLY AND REPLACE, REPAIR OR RE-FIX AND MAKE GOOD ALL FINISHES IN ALL TRADES</b>				
Glazing complete per m <sup>2</sup> or portion thereof in aluminium, steel, timber sashes or winblocks including necessary putty, glazing beads, neoprene glazing channels, silicon sealant, primer, removing of broken glass, etc. all to match existing				
<b>GLAZING TO STEEL WITH PUTTY</b>				
For preambles see Standard Preambles to All Trades - WB20 and Supplementary Preambles - pages SUP1 to SUP6.				
<b><u>4 mm Clear float glass:</u></b>				
1 Panes not exceeding 0,1m <sup>2</sup> .	m <sup>2</sup>	1		
2 Panes exceeding 0,1m <sup>2</sup> and not exceeding 0,5m <sup>2</sup> .	m <sup>2</sup>	3		
3 Panes exceeding 0,5m <sup>2</sup> and not exceeding 2m <sup>2</sup> .	m <sup>2</sup>	5		
Carried to Section Summary			R	
<b>SECTION NO.2</b>				

SECTION NO. 2	Unit	Qty	Rate	Amount
<b>BILL NO.18</b> <b>PAINTWORK</b>				
<b>PREAMBLES</b> For Preambles refer to "Department of Public Works : Specification of Materials & Methods to be used PW371"(www.publicworks.gov.za)				
<b><u>SUPPLEMENTARY PREAMBLES</u></b>				
<b><u>PAINTWORK, ETC TO EXISTING WORK</u></b>				
<b><u>Previously painted plastered surfaces</u></b> Surfaces shall be thoroughly cleaned and washed down if necessary and allowed to dry completely before any paint is applied. Blistered or peeling paint shall be completely removed or scrapped off and cracks shall be opened, filled with a suitable filler and finished smooth				
<b><u>Previously painted metal surfaces</u></b> Surfaces shall be thoroughly rubbed and cleaned down. Blistered or peeling paint shall be completely removed down to bare metal				
<b><u>Previously painted wood surfaces</u></b> 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				
<b><u>Colours</u></b> Colours to be as per the existing unless otherwise staed. Therefore, the contractor is to always confirm with DPW Representative on site the existing colours and codes of paint to be procured				
Carried to Collection			R	
<b>SECTION NO.2</b> <b>BILL NO.18</b> <b>PAINTWORK</b>				

SECTION NO. 2 BILL NO.18 PAINTWORK		Unit	Qty	Rate	Amount
<b><u>ON INTERNAL PLASTERED SURFACES</u></b>					
<u>Prepare and apply one coat alkali resistant primer and two coats PVA emulsion paint for interior use</u>					
1	Walls	m <sup>2</sup>	420,00		
2	On Ceiling and beams	m <sup>2</sup>	95,00		
3	On narrow widths and reveals not exceeding 300mm wide	m	35,00		
<b><u>ON EXTERNAL FLOATED PLASTER SURFACES</u></b>					
<u>One coat alkali resistant primer and two coats superior quality acrylic emulsion paint for exterior use</u>					
4	Walls	m <sup>2</sup>	95,00		
5	On narrow widths and reveals not exceeding 300mm wide	m	35,00		
<b><u>ON METAL SURFACES</u></b>					
<u>One coat alkyd based zinc phosphate primer, one coat alkyd based universal undercoat and two coats superior quality universal enamel paint, on steel</u>					
6	Doors	m <sup>2</sup>	10,00		
7	Door frames	m <sup>2</sup>	20,00		
8	Windows	m <sup>2</sup>	30,00		
9	Sashes, frames, glazing bars of windows etc	m <sup>2</sup>	2,00		
10	Gates, grilles, burglar screens, steel louvres, balustrades	m <sup>2</sup>	10,00		
Carried to Collection				R	
SECTION NO.2 BILL NO.18					





<u>SECTION SUMMARY</u>			
<u>BUILDING WORK</u>			
Bill No		Page No	Amount
	<u>SECTION 2</u>		
1	Demolitions	217	
2	Alterations	223	
3	Earthworks	226	
4	Concrete, Formwork and Reinforcement	227	
5	Masonry	228	
6	Waterproofing	229	
7	Roof Covering	233	
8	Carpentry and Joinery	236	
9	Ceilings, Partitions and Access Flooring	239	
10	Floor Covering, Wall Linings etc	240	
11	Ironmongery	243	
12	Structural Steel	244	
13	Metalwork	247	
14	Plastering	248	
15	Tiling	251	
16	Plumbing and Drainage	260	
17	Glazing	261	
18	Paintwork	265	
	Carried to Final Summary		R

SECTION NO.3 BILL NO. 1 EXTERNAL WORK		Unit	Qty	Rate	Amount
<b>PREAMBLES</b> For Preambles refer to "Department of Public Works : Specification of Materials & Methods to be used PW371"(www.publicworks.gov.za)					
<b><u>SITE CLEARANCE, ETC</u></b>					
<b><u>Site Clearance</u></b>					
1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush etc.	m <sup>2</sup>	1		
<b><u>REMOVAL OF TREES, ETC</u></b>					
<b>Taking out and removing, grubbing up roots and filling in holes</b>					
2	Tree exceeding 500mm and not exceeding 1000mm girth	No	1		
<b><u>BULK EXCAVATION, ETC</u></b>					
<b><u>Note: The costs of soil, compaction, etc. tests in accordance with SABS 1200 are to be included in the rates for the relevant works</u></b>					
<b><u>Open face excavation in earth over sloping site</u></b>					
3	Open face excavation in earth in various areas on site in cutting and levelling sloping sites for platforms and roads and deposit on site	m <sup>3</sup>	90		
<b><u>Extra over bulk excavation in earth for excavation in</u></b>					
4	Intermediate rock	m <sup>3</sup>	5		
5	Hard rock	m <sup>3</sup>	2		
<b>Carried to Collection</b>					
<b>SECTION NO.3 BILL NO.1 EXTERNAL WORK</b>					



SECTION NO.3 BILL NO. 1 EXTERNAL WORK		Unit	Qty	Rate	Amount
<u>Keeping excavations free of water</u>					
6	Keeping excavations free of all water other than subterranean water	No	1		
<u>FILLING ETC.</u>					
<u>Earth filling obtained from the excavations and / or prescribed stock piles on site including haulage not exceeding 500m from perimeter of excavations or stock piles compacted in layers not exceeding 150mm to 95% modified AASHTO density</u>					
7	To form platforms parking areas, roads, etc.	m <sup>3</sup>	45		
<u>G6 gravel layers supplied by the contractor compacted to 95% Mod AASHTO density in layers not exceeding 150mm</u>					
8	Fill to form platforms for buildings, parking areas, roads, etc.	m <sup>3</sup>	90		
<u>Prescribed density tests on filling</u>					
9	Modified AASHTO Density test	No	5		
<u>Compaction of surfaces</u>					
10	Scarify earth surface to a depth of 150mm, breaking down over size material and reconsolidate to 93% modified AASHTO density	m <sup>2</sup>	400		
Carried to Collection					R
SECTION NO.3 BILL NO.1 EXTERNAL WORK					
BILL NO. 1					

SECTION NO.3 EXTERNAL WORK		Unit	Qty	Rate	Amount
<u>PAVING</u>					
<u>Paving of 200x100x80mm interlock pavers with 25MPa compressive strength on 50mm thick river sand bed with sand swept into joints and hosed down</u>					
11	Paving in interlock pattern	m <sup>2</sup>	400		
12	200mm wide brick-on-flat header course edging on 50mm thick mortar bed	m	100		
13	Ditto, but circular to 1000mm radius	m	1		
<u>20mm River sand</u>					
14	Under concrete pavers	m <sup>2</sup>	400		
<u>Approved weed killer (Certificate to be provided before payment)</u>					
15	Soil herbicide at a rate of 50 gram/m <sup>2</sup> under paving etc.	m <sup>2</sup>	400		
<u>Concrete Kerbs</u>					
16	300 X 150 x 125 Concrete Barrier Kerb ( fig 3 ) including mortar bed underneath	m	80		
17	Ditto but circular	m	15		
Carried to Collection				R	
SECTION NO.3 BILL NO.1 EXTERNAL WORK					
BILL NO. 1					

SECTION NO.3 EXTERNAL WORK		Unit	Qty	Rate	Amount
<b><u>MANHOLES</u></b>					
<u>Excavate in earth for and build manhole formed of one brick walls minimum 600mm high, plastered on the inside with cement plaster (5:1), on 150mm thick 25Mpa/19mm mass concrete slab with 20Mpa fine mass concrete benching in bottom, floated smooth with falls including all necessary bends, junctions etc., including all necessary excavations, pre-cast concrete cover slab with opening for cast iron cover and frame (measured elsewhere) set in cement mortar and sealed in tallow. Complete with cast iron nameplate</u>					
18	Manhole size 1000 x 1000mm internally not exceeding 1m deep	No	1		
<b><u>Manhole covers, etc.</u></b>					
19	450 x 450mm light duty SABS Type 9A cast iron single seal manhole cover and frame bedded in cement mortar	No	1		
Carried to Collection					
SECTION NO.3 BILL NO.1 EXTERNAL WORK					



SECTION NO.4 BILL NO. 1 RELOCATABLE STRUCTURES	Unit	Qty	Rate	Amount
<p><u>QS NOTE : Please refer to Drawings No.A001 and A002 for detailed design of the Relocatable Structures. The Contractor is to pay attention to the Item in the Relocatable Structures that have been measured elsewhere in the Bill of Quantities such as (Plumbing Sanitary Fitting and Pipework, Doors, Earthwork, Concrete and Brickwork etc). Only cost for items included in the description of the Relocatable Structures must be allowed for the cost for supply, erect and commissioning of the Relocatable Structures. Each Structure to have burglar bars over openings and steps for entrance doors. The Structures are to be placed on Steel Jack Screws on concrete pads</u></p> <p><b>RELOCATABLE STRUCTURES</b></p> <p>Prefabricated Relocatable Structure size 17.37m long x 4.50m wide on plan x 3.539m high including <b>Walling:</b> of Interlocking White sandwich panel with 85mm Polystyrene (or 85mm Polyurethane) core with 0.5mm Chromadeck finish on both sides, Flush weather-proof insulated joints and Core material to be fire retardant; <b>Ablutions:</b> Refer to the drawings for Partitioning of Toilets; <b>Roof Covering:</b> of Charcoal grey' ibr chromadeck roof sheeting 0.58mm thick to be supplied and installed by roof specialist as per specialist design. Or similar approved to architects aproval; <b>Trusses:</b> of Light Weight Steel as per Specialist Designs; Ceiling, Windows, door frames, exterior skirting, internal and external finishes, vinyl floor covering, internal plumbing and electrical provisions. All building works to be in strict accrodance with specification as per Parkhomes Modular Units and all as per the attached drawings with Specification. <b>Drawings No. A001 and A002. The block is for Observation Room No.1 &amp; No.2, Waiting Area, Female, Male and Paraplegic Ablutions</b></p> <p style="text-align: right;">Carried to Collection</p> <p>SECTION NO.4 BILL NO.1 RELOCATABLE STRUCTURES</p>	No	1	R	

SECTION NO.4 BILL NO. 1 RELOCATABLE STRUCTURES		Unit	Qty	Rate	Amount
2	<p>Prefabricated Relocatable Structure size 16.47m long x 4.50m wide on plan x 3.539m high including <b>Walling:</b> of Interlocking White sandwich panel with 85mm Polystyrene (or 85mm Polyurethane) core with 0.5mm Chromadeck finish on both sides, Flush weather-proof insulated joints and Core material to be fire retardant; <b>Ablutions:</b> Refer to the drawings for Partitioning of Toilets; <b>Roof Covering:</b> of Charcoal grey' ibr chromadeck roof sheeting 0.58mm thick to be supplied and installed by roof specialist as per specialist design. Or similar approved to architects aproval; <b>Trusses:</b> of Light Weight Steel as per Specialist Designs; Ceiling, Windows, door frames, exterior skirting, internal and external finishes, vinyl floor covering, internal plumbing and electrical provisions. All building works to be in strict accrodance with specification as per Parkhomes Modular Units and all as per the attached drawings with Specification. <b>Drawings No. A001 and A002. The block is for Consulting Room No.1, No.2, No.3 &amp; No.4, Female and Male Staff Ablutions</b></p>	No	1		
Carried to Collection					R
SECTION NO.4 BILL NO.1 RELOCATABLE STRUCTURES					

<b>SECTION NO.4</b>		<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
<b>BILL NO. 1</b>					
<b>RELOCATABLE STRUCTURES</b>					
3	<p>Prefabricated Relocatable Structure size 2.72m long x 2.22m wide on plan x 3.539m high including <b>Walling:</b> of Interlocking White sandwich panel with 85mm Polystyrene (or 85mm Polyurethane) core with 0.5mm Chromadeck finish on both sides, Flush weather-proof insulated joints and Core material to be fire retardant; <b>Ablutions:</b> Refer to the drawings for Partitioning of Toilets; <b>Roof Covering:</b> of Charcoal grey' ibr chromadeck roof sheeting 0.58mm thick to be supplied and installed by roof specialist as per specialist design. Or similar approved to architects aproval; <b>Trusses:</b> of Light Weight Steel as per Specialist Designs; Ceiling, Windows, door frames, exterior skirting, internal and external finishes, vinyl floor covering, internal plumbing and electrical provisions. All building works to be in strict accrodance with specification as per Parkhomes Modular Units and all as per the attached drawings with Specification.</p> <p><b>Drawings No. A001 and A002. The block is for Guard House</b></p>	No	1		
	Carried to Collection				
	<b>SECTION NO.4</b>				
	<b>BILL NO.1</b>				
	<b>RELOCATABLE STRUCTURES</b>				





SECTION NO.5 BILL NO. 1 PROVISIONAL SUMS					Unit	Qty	Rate	Amount
<b><u>DOMESTIC SUB-CONTRACTORS</u></b>								
The following provisional sums are for work to be carried out by specialist firms which will be regarded as domestic sub-contractors to the main contractor. The main contractor will be requested to call for quotations from firms selected in conjunction with the Project Manager or in the case of emergency from a single source supplier on instruction from the Project Manager								
<b><u>JOINERY FITTINGS</u></b>								
1	Allow the sum of R250 000.00 (Two Hundred and Fifty Thousand Rand) for Joinery Fittings	Item	1				R 250 000,00	
	Allow for profit	Item	1					
	Allow for attendance	Item	1					
<b><u>ELECTRICAL AND MECHANICAL WORKS</u></b>								
2	Allow the sum of R500 000.00 ( Five Hundred Thousand Rand) for Electrical and Mechanical Works	Item	1				R 500 000,00	
	Allow for profit	Item	1					
	Allow for attendance	Item	1					
<b><u>ALUMINIUM AND GLASS SHOPFRONT WAITING AREA</u></b>								
3	Allow a sum of R100 000.00 (One Hundred Thousand Rands) for the Aluminium and Glass Shopfront waiting area	Item	1				R 100 000,00	
	Allow for profit	Item	1					
	Allow for attendance	Item	1					
Carried to Collection							R	
SECTION NO.5 BILL NO.1								

<b>SECTION NO.5</b>		<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
<b>PROVISIONAL SUMS</b>					
<b>BILL NO. 1</b>					
<b>PROVISIONAL SUMS</b>					
<b><u>PROJECT STEERING COMMITTEE</u></b>					
4	Allow the sum of R15 000.00 (Fifteen Thousand Rand) for PSC	Item	1		R 15 000,00
	Allow for profit	Item	1		
	Allow for attendance	Item	1		
<b><u>COMMUNITY LIASON OFFICER</u></b>					
5	Allow the sum of R35 000.00 ( Thirty Five Thousand Rand) for CLO	Item	1		R 35 000,00
	Allow for profit	Item	1		
	Allow for attendance	Item	1		
<b><u>RELOCATION OF EXISTING FLORA AND FAUNA</u></b>					
6	Allow a sum of R70 000.00 (Seventy Thousand Rands) Relocation of existing flowers to a site demarcated for flowers as advised by the Local Authority Structures. The flowers are to be kept there temporarily as they will have to be transplanted back into site once the building work has been completed	Item	1		R 70 000,00
	Allow for profit	Item	1		
	Allow for attendance	Item	1		
<b><u>WATER HARVESTING</u></b>					
7	Allow the sum of R250 000.00 ( Two Hundred and Fifty Thousand Rand) for Water Harvesting and Backup	Item	1		R 250 000,00
	Allow for profit	Item	1		
	Allow for attendance	Item	1		
<b>Carried to Collection</b>				R	
<b>SECTION NO.5</b>					
<b>BILL NO.1</b>					

SECTION NO.5 PROVISIONAL SUMS BILL NO. 1 PROVISIONAL SUMS		Unit	Qty	Rate	Amount
COLLECTION					
Total Brought Forward from Page No.		Page No			
		276			
		277			
Carried to Final Summary					
SECTION NO.5 BILL NO.1				R	

**UGIE TOWN CLINIC : RELOCATABLE PREFABRICATED STRUCTURES AND RELATED WORKS SCMU5-**

<b>FINAL SUMMARY</b>		<b>24/25-0036</b>	
Bill No		Page No	Amount
1	SECTION 1: PRELIMINARIES	28	
2	SECTION 2 : BUILDING WORK	266	
3	SECTION 3 : EXTERNAL WORK	271	
4	SECTION 4 : RELOCATABLE STRUCTURES	275	
5	SECTION 5 : PROVISIONAL SUMS	278	
	<b>Sub-total</b>		R -
	<b><u>Contingency</u></b>		
	Allow a sum of R300 000.00 for contingencies to be used as directed by DPW Representative and deducted in whole or in part if not required		R 300 000,00
	<b>Sub-total</b>		
	VALUE ADDED TAX - 15%		R -
	<b>TOTAL CARRIED TO FORM OF OFFER AND ACCEPTANCE</b>		R -