

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

**DEFINITIONS**

1 **A1.0 DEFINITIONS AND INTERPRETATION**

Clause 1.0

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

"**COMMENCEMENT DATE**" means the date that is 5 working days after site hand over.

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

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

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

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

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

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

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

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

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

and

(b) in respect of interest owed to the employer, the interest rate as determined by the Minister of Finance, from time to time, in terms of section 80(1)(b) of the Public Finance Management Act, 1999 (Act No. 1 of 1999), will apply

Clause 1.1 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:

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"**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**

1 **A2.0 OFFER, ACCEPTANCE AND PERFORMANCE**

Clause 2.0

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

Item

2 **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**"

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1 **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

2 **A5.0 EMPLOYER'S AGENTS**  
 Clause 5.0  
 Clause 5.1.2 is amended to include clauses 32.6.3, 34.3 and 34.4 in terms of which the employer has retained its authority and has not given a mandate to the principal agent and in terms of which the employer shall sign all documents.  
 Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time related: \_\_\_\_\_

Item

3 **A6.0 SITE REPRESENTATIVE**  
 Clause 6.0  
 Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time related: \_\_\_\_\_

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4 **A7.0 COMPLIANCE WITH REGULATIONS**  
 Clause 7.0  
 Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time related: \_\_\_\_\_

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5 **A8.0 WORKS RISK**  
 Clause 8.0  
 Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time related: \_\_\_\_\_

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1 **A9.0 INDEMNITIES**  
 Clause 9.0  
 Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time  
 related: \_\_\_\_\_

Item

2 **A10.0 WORKS INSURANCES**  
 Clause 10.0  
 Clause 10.0 is amended by the addition of the following  
 clauses:

**10.5 Damage to the Works**

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

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

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

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- (e) Where the execution of the **works** involves the risk of removal of or interference with support to adjoining properties including land or structures or any structures to be altered or added to, the **contractor** shall obtain adequate insurance and will remain adequately insured or insured to the specific limit stated in the contract against the death of or injury to persons or damage to such property consequent on such removal or interference with the support until such portion of the **works** has been completed
- (f) The **contractor** shall at all times proceed immediately at his own cost to remove or dispose of any debris and to rebuild, restore, replace and/or repair such property and to execute the **works**

**10.7 High risk insurance**

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

**10.7.1 Damage to the works**

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

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

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**10.7.2 Injury to persons or loss of or damage to property**

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

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

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

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

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14.2.2 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**

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

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

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**EXECUTION**

1 **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 fourteen (14) **calendar days of commencement date**

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

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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

1 **A16.0 ACCESS TO THE WORKS**

Clause 16.0

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

Item

2 **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

3 **A18.0 SETTING OUT OF THE WORKS**

Clause 18.0

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

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4 **A19.0 ASSIGNMENT**

Clause 19.0

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

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1 **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

2 **A21.0 SELECTED SUBCONTRACTORS**

Clause 21.0

Clause 21 is amended by replacing it with:

No clause

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

Item

3 **A22.0 EMPLOYER'S DIRECT CONTRACTORS**

Clause 22.0

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

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4 **A23.0 CONTRACTOR'S DOMESTIC SUBCONTRACTORS**

Clause 23.0

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

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**COMPLETION**

1 **A24.0 PRACTICAL COMPLETION**

Clause 24.0

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

Item

2 **A25.0 WORKS COMPLETION**

Clause 25.0

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

Item

3 **A26.0 FINAL COMPLETION**

Clause 26.0

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

Item

4 **A27.0 LATENT DEFECTS LIABILITY PERIOD**

Clause 27.0

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

Item

5 **A28.0 SECTIONAL COMPLETION**

Clause 28.0

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

Item

6 **A29.0 REVISION OF DATE FOR PRACTICAL COMPLETION**

Clause 29.0

Clause 29.2.5 is amended by replacing it with:

No clause

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

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1 **A30.0 PENALTY FOR NON-COMPLETION**  
 Clause 30.0  
 Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time related: \_\_\_\_\_

**PAYMENT**

2 **A31.0 INTERIM PAYMENT TO THE CONTRACTOR**  
 Clause 31.0  
 Clause 31.5.2 is amended by replacing "14.7.1" with "14.0 and 31.8"  
 Clause 31.8 is amended by replacing it with the following two alternative clauses:

**Alternative A**

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

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

31.8(A).2 Ninety-seven and half percent (97.5%) of such value in interim **payment certificates** issued on the date of **practical completion** and up to but excluding the date of **final completion**

31.8(A).3 Ninety-nine percent (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 percent (100%) of such value in the final **payment certificate** in terms of 34.6 except where the amount certified is in favour of the **employer**. In such an event the payment reduction shall remain at the adjustment level applicable to the final **payment certificate**

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Clause 31.12 is amended by deleting the following:

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

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

Item

**1 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**"

Add the following clauses: 33.2.9 to 33.2.13:

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

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

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

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

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

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

Item

**2 A33.0 RECOVERY OF EXPENSE AND LOSS**

Clause 33.0

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

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1 **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 34.13 is amended by replacing "seven (7) **calendar days**" with "twenty-one (21) **calendar days**" and deleting the words "subject to the **employer** giving the **contractor** a tax invoice for the amount due"

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

Item

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

Clause 35.0

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

Item

**CANCELLATION**

3 **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**"

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

36.3 Remove reference to “No clause”, and replace “principal agent” with “employer”

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

1 **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:

37.3.5 Replace “ninety (90)” with “one hundred and twenty (120) and 38.5.4

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

Item

2 **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:

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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

1 **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: \_\_\_\_\_

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<p>1</p>	<p><b><u>DISPUTE</u></b></p> <p><b>A40.0 DISPUTE SETTLEMENT</b></p> <p>Clause 40.0</p> <p>Clause 40.2.2 is amended by replacing "one (1) year" with "three (3) years"</p> <p>Clause 40.6 is amended by removing the reference to:</p> <p>No clause</p> <p>Clause 40.7.1 is amended by replacing "(10)" with "(15)" and by the addition of the following:</p> <p>Whether or not mediation resolves the dispute, the parties shall bear their own costs concerning the mediation and equally share the costs of the <b>mediator</b> and related costs</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	<p>Item</p>		
<p>2</p>	<p><b><u>SUBSTITUTE PROVISIONS</u></b></p> <p><b>A41.0 STATE CLAUSES</b></p> <p>Clause 41.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	<p>Item</p>		
<p>3</p>	<p><b><u>CONTRACT VARIABLES</u></b></p> <p><b>A42.0 THE SCHEDULE (C1.2)</b></p> <p>Clause 42.0</p> <p>Tenderers are referred to the C1.2 CONDITIONS OF CONTRACT AND CONTRACT VARIABLES for variables pertaining to this contract</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	<p>Item</p>		
	<p style="text-align: right;"><b>Carried to Collection</b></p> <p>Section No. 1                  Bill No. 1                  PRELIMINARIES AND GENERAL  <b>QIBA JSS</b>  <b>PROVISIONAL BILLS OF QUANTITIES</b></p>		<p>R</p>	

**SECTION B: JBCC PRELIMINARIES**

**B1.0 DEFINITIONS AND INTERPRETATION**

1 ***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**

2 ***B2.1 Checking of documents***

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

Item

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

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

Item

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

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

Item

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

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

Item

6 ***B2.5 Priced documents***

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

Item

7 ***B2.6 Tender submission***

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

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

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**B3.0 THE SITE**

1 **B3.1 Defined works area**

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

Item

2 **B3.2 Geotechnical investigation**

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

Item

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

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

Item

4 **B3.4 Existing premises occupied**

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

Item

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

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

Item

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

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

Item

7 **B3.7 Services - known**

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

Item

8 **B3.8 Services - unknown**

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

Item

9 **B3.9 Protection of trees**

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

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1	<b>B3.10 Articles of value</b> Fixed: _____ Value related: _____ Time related: _____	Item
2	<b>B3.11 Inspection of adjoining properties</b> Fixed: _____ Value related: _____ Time related: _____	Item
<b><u>B4.0 MANAGEMENT OF CONTRACT</u></b>		
3	<b>B4.1 Management of the works</b> Fixed: _____ Value related: _____ Time related: R _____	Item
4	<b>B4.2 Programme for the works</b> Fixed: _____ Value related: _____ Time related: _____	Item
5	<b>B4.3 Progress meetings</b> Fixed: _____ Value related: _____ Time related: _____	Item
6	<b>B4.4 Technical meetings</b> Fixed: _____ Value related: _____ Time related: _____	Item
7	<b>B4.5 Labour and plant records</b> Fixed: _____ Value related: _____ Time related: _____	Item
<b><u>B5.0 SAMPLES, SHOP DRAWINGS AND MANUFACTURERS' INSTRUCTIONS</u></b>		
8	<b>B5.1 Samples of materials</b> Fixed: _____ Value related: _____ Time related: _____	Item

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1	<b>B5.2 Workmanship samples</b> Fixed: _____ Value related: _____ Time related: _____	Item
2	<b>B5.3 Shop drawings</b> Fixed: _____ Value related: _____ Time related: _____	Item
3	<b>B5.4 Compliance with manufacturers' instructions</b> Fixed: _____ Value related: _____ Time related: _____	Item
<b><u>B6.0 TEMPORARY WORKS AND PLANT</u></b>		
4	<b>B6.1 Deposits and fees</b> Fixed: _____ Value related: _____ Time related: _____	Item
5	<b>B6.2 Enclosure of the works</b> Fixed: _____ Value related: _____ Time related: _____	Item
6	<b>B6.3 Advertising</b> Fixed: _____ Value related: _____ Time related: _____	Item
7	<b>B6.4 Plant, equipment, sheds and offices</b> Fixed: _____ Value related: _____ Time related: _____	Item
8	<b>B6.5 Main notice board</b> Fixed: _____ Value related: _____ Time related: _____	Item
9	<b>B6.6 Subcontractors' notice board</b> Fixed: _____ Value related: _____ Time related: _____	Item

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**B7.0 TEMPORARY SERVICES**

1 **B7.1 Location**

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

Item

2 **B7.2 Water**

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

Item

3 **B7.3 Electricity**

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

Item

4 **B7.4 Telecommunication facilities**

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

Item

5 **B7.5 Ablution facilities**

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

Item

**B8.0 PRIME COST AMOUNTS**

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

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

Item

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

7 **B9.1 General attendance**

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

Item

8 **B9.2 Special attendance**

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

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1 **B9.3 Commissioning - fuel, water and electricity**  
 Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time related: \_\_\_\_\_

Item

**B10.0 FINANCIAL ASPECTS**

2 **B10.1 Statutory taxes, duties and levies**  
 Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time related: \_\_\_\_\_

Item

3 **B10.2 Payment for preliminaries**  
 Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time related: \_\_\_\_\_

Item

4 **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

5 **B10.4 Payment certificate cash flow**  
 Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time related: \_\_\_\_\_

Item

**B11.0 GENERAL**

6 **B11.1 Protection of the works**  
 Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time related: \_\_\_\_\_

Item

7 **B11.2 Protection / isolation of existing / sectionally occupied works**  
 Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time related: \_\_\_\_\_

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1	<b>B11.3 Security of the works</b> Fixed: _____ Value related: _____ Time related: _____	Item
2	<b>B11.4 Notice before covering work</b> Fixed: _____ Value related: _____ Time related: _____	Item
3	<b>B11.5 Disturbance</b> Fixed: _____ Value related: _____ Time related: _____	Item
4	<b>B11.6 Environmental disturbance</b> Fixed: _____ Value related: _____ Time related: _____	Item
5	<b>B11.7 Works cleaning and clearing</b> Fixed: _____ Value related: _____ Time related: _____	Item
6	<b>B11.8 Vermin</b> Fixed: _____ Value related: _____ Time related: _____	Item
7	<b>B11.9 Overhand work</b> Fixed: _____ Value related: _____ Time related: _____	Item
8	<b>B11.10 Instruction manuals and guarantees</b> Fixed: _____ Value related: _____ Time related: _____	Item
9	<b>B11.11 As built information</b> Fixed: _____ Value related: _____ Time related: _____	Item

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1 **B11.12 Tenant installations**  
 Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time related: \_\_\_\_\_

Item

**B12.0 SCHEDULE OF VARIABLES**

2 **B12.1 Schedule of variables**  
 Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time related: \_\_\_\_\_

Item

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

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

**12.1 PRE-TENDER INFORMATION**

12.1.1 **Provisional bills of quantities**  
 [2.2] The quantities are provisional

**YES**

12.1.2 **Availability of construction documentation**  
 [2.3] *Construction documentation is complete*

**YES**

12.1.3 **Interests of agents**  
 [2.4] Details:

12.1.4 **Defined works area**  
 [3.1] Details:

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- 12.1.5 **Geotechnical investigation**  
[3.2] Details:
  
- 12.1.6 **Existing premises occupied**  
[3.4] Specific requirements:
  
- 12.1.7 **Previous work - dimensional accuracy**  
[3.5] Details:
  
- 12.1.8 **Previous work - defects**  
[3.6] Details:
  
- 12.1.9 **Services - known**  
[3.7] Details:
  
- 12.1.10 **Protection of trees**  
[3.9] Specific requirements:
  
- 12.1.11 **Inspection of adjoining properties**  
[3.11] Specific requirements:
  
- 12.1.12 **Enclosure of the works**  
[6.2] Specific requirements:
  
- 12.1.13 **Offices**  
[6.4.3] Specific requirements:  
The **contractor** shall provide, maintain and remove on completion of the works an office for the exclusive use of the **principal agent**, minimum size 4 x 3 x 3m high internally, suitably insulated and ventilated, provided with electric lighting and fitted with boarded floor, desk, chair, drawing stool, drawing board and lock-up drawers for drawings. The office shall be kept clean and fit for use at all times

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12.1.14 **Main notice board**

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

12.1.15 **Subcontractors' notice board**

[6.6] *A notice board is required*

Specific requirements: **NO**

12.1.16 **Water**

[7.2] Option A (by **contractor**)

**NO**

Option B (by **employer** - free of charge)

**NO**

Option C (by **employer** - metered)

**YES**

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12.1.17 **Electricity**

[7.3] Option A (by **contractor**)

**NO**

Option B (by **employer** - free of charge)

**NO**

Option C (by **employer** - metered)

**YES**

12.1.18 **Telecommunications**

[7.4] Telephone

**YES**

Facsimile

**YES**

E-mail

**YES**

12.1.19 **Ablution facilities**

[7.5] Option A (by **contractor**)

**YES**

Option B (by **employer**)

**NO**

12.1.20 **Protection of existing/sectionally occupied works**

[11.2] Protection is required

**NO**

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12.1.21 **Special attendance**  
 [9.2] **Subcontractor (1) details:**

**Subcontractor (2) details:**

**Subcontractor (3) details:**

**Subcontractor (4) details:**

12.1.22 **Protection of the works**  
 [11.1] Specific requirements:

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

12.1.24 **Environmental disturbance**  
 [11.6] Specific requirements:

**12.2 POST-TENDER INFORMATION**

12.2.1 **Payment of preliminaries**  
 [10.2] Option A (prorated)

**NO**

Option B (calculated)

**YES**

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12.2.2 **Adjustment of preliminaries**  
 [10.3] Option A (three categories)

**NO**

Option B (detailed breakdown)

**YES**

12.2.3 **Additional agreed preliminaries items**  
 Details:

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**SECTION C: SPECIFIC PRELIMINARIES**

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

1 **C1.0 CONTRACT DRAWINGS**

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

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

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

Item

2 **C2.0 GENERAL PREAMBLES**

The document "Specification of Materials and Methods to be used - PW371 - A Edition 2.1 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (Edition 2.1 July 2014)." is obtainable on the Department's website (<http://www.publicworks.gov.za/> under "Consultants Guidelines"), and shall be read in conjunction with the **bills of quantities / lump sum document** and be referred to for the full descriptions of work to be done and materials to be used

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

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1 **C3.0 TRADE NAMES**

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

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

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

Item

2 **C4.0 HIV/AIDS AWARENESS**

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

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

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**C4.1 AWARENESS CHAMPION**

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

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

Time related: \_\_\_\_\_

Item

**C4.2 AWARENESS WORKSHOPS**

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

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

Time related: \_\_\_\_\_

Item

**C4.3 POSTERS, BOOKLETS, VIDEOS, ETC.**

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

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

Time related: \_\_\_\_\_

Item

**C4.4 ACCESS TO CONDOMS**

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

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

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**C4.5 MONITORING**

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

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

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Item No	Quantity	Rate	Amount
<b><u>BILL No. 2</u></b>			
<b><u>HEALTH AND SAFETY REQUIREMENTS</u></b>			
<u>Note:</u>			
For Preambles see "PW 371 - A Edition 2.1 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (Edition 2.1 July 2014).			
The contractor's prices for all items throughout these bills of quantities shall take account of and include where applicable for all of the obligations, requirements and specifications given in the General Preambles and in any supplementary preambles and/or specifications.			
Prior to pricing the principal contractor must familiarize him/herself with the Occupational Health and Safety Act No. 85 Of 1993, Construction Regulations 2014, other relevant Regulations and Standards as well as project specific Health & Safety specifications.			
The items in this Bill do not contain quantities hence the Contractor must insert his own quantities based on his individual requirements to comply with the Health and Safety obligations and demands of the Occupational Health and Safety Act No. 85 of 1993, Construction Regulations 2014, other relevant Regulations and Standards as well as project specific Health & Safety Specifications.			
<b><u>OCCUPATIONAL HEALTH AND SAFETY</u></b>			
<b><u>General:</u></b>			
1	Preparation of Contractor's site specific Health and Safety Plan.	Item	
2	Submission of the Health and Safety File.	Item	
3	Principal Contractor's initial obligations in respect of the OHS Act and Construction Regulations.	Item	
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1	Principal Contractor's time related obligations in respect of the OHS Act and Construction Regulations for the entire construction period.		Item		
2	Provision of full time Health and Safety Officer for the entire construction period.		Item		
3	Induction training of personnel.	No			
4	Provision of first aid boxes.	No			
<b><u>Provision for Personal Protective Equipment and Protective Clothing:</u></b>					
5	Reflective vests.	No			
6	Hard hats.	No			
7	Protective foot wear.	No			
8	Ear Plugs.	No			
9	Dust Masks.	No			
<b><u>Costs of Medical Certificates and Medical Surveillance:</u></b>					
10	Initial (baseline) medical examinations.	No			
11	Exit Examinations.	No			
<b><u>Noise Monitoring:</u></b>					
12	Establishment of noise zones.	No			
13	Audiograms.	No			
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Item No		Quantity	Rate	Amount
	<b><u>SECTION No. 2 - BUILDING WORKS</u></b>			
	<b><u>BILL No. 1</u></b>			
	<b><u>ALTERATIONS, DEMOLITIONS, ETC.</u></b>			
	<u>Note:</u>			
	For Preambles see "PW 371 - A Edition 2.1 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (Edition 2.1 July 2014).			
	<b><u>DEMOLITIONS</u></b>			
	<b><u>Ordinary demolitions</u></b>			
	Reference hereunder to cart away shall mean carting off site to a dumping site to be located by the Contractor.			
	<b><u>ROOF COVERINGS, ETC.</u></b>			
1	Take down and cart away galvanised IBR profile roof covering fixed to steel or timber.	m2	77	
2	Take down and cart away galvanised steel ridge capping.	m	24	
	<b><u>CARPENTRY AND JOINERY</u></b>			
	<u>Roof structures</u>			
3	Demolish and cart away timber rafters.	m	19	
4	Demolish and cart away timber purlin.	m	143	
	<u>Skirting</u>			
5	Take down and cart away timber skirting.	m	301	
	<u>Timber Panels</u>			
6	Take down and cart away timber panelling including bracing,ect.	m2	26	
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	Section No. 2			
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<u>Externally</u>				
1	Take down and cart away 20 x 220mm timber/fibre cement fascia board.	m	21	
2	Take down and cart away 20 x 220mm timber/fibre cement bargeboard.	m	17	
<b><u>CEILING AND PARTITIONS</u></b>				
<u>Internally</u>				
3	Take down and cart away fibre cement ceilings approximately 2800mm from ground level including all cornices, bandering, supporting structures, etc.	m2	209	
4	Take down and cart away gypsum covered cornice.	m	176	
<b><u>FLOOR COVERINGS</u></b>				
5	Strip from concrete floors vinyl floor tiling and cart away including preparing screed for new floor covering (elsewhere).	m2	121	
<b><u>IRONMONGERY</u></b>				
<u>General ironmongery</u>				
6	Take out from steel door and cart away, cylinder or mortice lockset.	No	11	
7	Take off from steel door and cart away, lever furniture set.	No	11	
<u>Pinning Boards</u>				
8	Take down and cart away felt backing pinning boards, size approximately 5000 x 1500mm high including filling holes with cement mortar.	No	10	
<u>Chalk Boards</u>				
9	Take down and cart away chalk boards, size approximately 4800 x 1200mm high including filling holes with cement mortar.	No	9	
<b>Carried to Collection</b>				R
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<b>QIBA JSS</b>				
<b>PROVISIONAL BILLS OF QUANTITIES</b>				

<u>Lockers</u>				
1	Take down and cart away double door steel stationery cupboard, size approximately 900 x 450 x 1800mm high including filling holes with cement mortar.	No	9	
<b><u>METALWORK</u></b>				
<u>Panels and gates</u>				
2	Take out from concrete brickwork and cart away galvanised gate, size overall 1000 x 2150mm high, comprising galvanised steel perimeter framing filled with horizontal round bar including unbolting and removing hinge bracket assemblies.	No	5	
<b><u>PLUMBING AND DRAINAGE</u></b>				
<u>Floors</u>				
3	Hack up 25mm thick granolithic or floor screed and cart away including preparing surface bed to receive new screed (elsewhere).	m2	214	
<u>Externally</u>				
4	Take down and cart away zinc halfround gutter including accessories.	m	118	
5	Take down and cart away zinc downpipes including accessories.	m	10	
<b><u>PLASTERING</u></b>				
<u>Walls</u>				
6	Hack off plaster from brick wall and cart away including preparing to receive new plaster (elsewhere).	m2	234	
7	Hack off plaster from brick wall reveals and cart away including preparing to receive new plaster (elsewhere).	m2	72	
<b><u>GLAZING</u></b>				
8	Take out 4mm thick glass from galvanised steel window including preparing frame to receive new glass (elsewhere).	m2	16	
<b>Carried to Collection</b>				R
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<b>QIBA JSS</b>				
<b>PROVISIONAL BILLS OF QUANTITIES</b>				

**EXTERNAL WORKS**

Concrete tank stand

1	Demolish and cart away 2000 x 2000 x 500mm high brick tank stand, comprised of plastered and painted brick walls and reinforced concrete slab including grubbing up foundations and backfilling holes with material from the stockpiles on site.	No	5
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**FENCING**

Removals

2	Take down and cart away stock fencing, 1800mm high, including excavating out timber intermediate, corner or straining posts, at approximately 6000mm centres, backfilling of holes, etc.	m	580
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**REFURBISHMENT, PREPARATORY WORKS, ETC.**

General repair work

3	Hack plaster from brickwork for a width of 100mm either side of crack, nail galvanised stretch plate over crack with steel nails at 200mm centres to receive plaster (elsewhere).	m	100
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**METAL WORK**

Servicing of windows, doors, etc.

4	Service window, size approximately 900 x 1500mm high with one centre pivot opening light and one fixed light including ensuring smooth opening and closing and replacement of missing stays, catches, etc. as necessary to match existing.	No	42
5	Service window, size approximately 1000 x 1000mm high with one side hung opening light and one fixed light including ensuring smooth opening and closing and replacement of missing stays, catches, etc. as necessary to match existing.	No	15

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1	Service window, size approximately 1000 x 1200mm high with one side hung opening light and one fixed light including ensuring smooth opening and closing and replacement of missing stays, catches, etc. as necessary to match existing.	No	1	
2	Service window, size approximately 1500 x 1200mm high with one side hung opening light and one fixed light including ensuring smooth opening and closing and replacement of missing stays, catches, etc. as necessary to match existing.	No	1	
3	Service window, size approximately 1500 x 650mm high with one side hung opening light and one fixed light including ensuring smooth opening and closing and replacement of missing stays, catches, etc. as necessary to match existing.	No	1	
4	Service and adjust existing external single timber door and frame, including oiling and easing hinges, preparing to receive new lock, touching up and making good.	No	3	
5	Service and adjust existing external single timber door and steel frame, including oiling and easing hinges, preparing to receive new lock, touching up and making good.	No	8	
<b>Carried to Collection</b>				
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ALTERATIONS

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Item No	BILL No. 2	Quantity	Rate	Amount
	<b><u>MASONRY</u></b>			
	<u>Note:</u> For Preambles see "PW 371 - A Edition 2.1 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (Edition 2.1 July 2014).			
	<b><u>BRICKWORK (Labour intensive)</u></b>			
	<b><u>SUPERSTRUCTURE BRICKWORK</u></b>			
	<b><u>Walls and linings in stock bricks in 5:1 cement mortar :</u></b>			
1	One brick wall.	m2	26	
	<b><u>Reinforcement to brickwork</u></b>			
2	Galvanised brick reinforcement 230mm wide built horizontally into brickwork.	m	76	
	<b>Carried Forward to Summary of Section No. 2</b>			R
	Section No. 2 Bill No. 2 MASONRY <b>QIBA JSS</b> <b>PROVISIONAL BILLS OF QUANTITIES</b>			

Item No	<b><u>BILL No. 3</u></b>	Quantity	Rate	Amount
	<b><u>WATERPROOFING</u></b>			
	<u>Note:</u>			
	For Preambles see "PW 371 - A Edition 2.1 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (Edition 2.1 July 2014).			
	<b><u>LIQUID WATERPROOFING (Labour intensive)</u></b>			
	<u>Two coats "ABE Brickseal"</u>			
1	Vertically on bagged surface of brickwork.	m2	332	
	<b><u>WATERSTOPS, SEALING STRIPS, JOINT SEALANTS, ETC.</u></b>			
	<u>Sundry elements</u>			
2	Seal and point around metal window frames with an approved external quality sealing compound applied with a pressure caulking gun.	m	284	
	<b>Carried Forward to Summary of Section No. 2</b>			R
	Section No. 2 Bill No. 3 WATERPROOFING <b>QIBA JSS</b> <b>PROVISIONAL BILLS OF QUANTITIES</b>			

Item No	BILL No. 4	Quantity	Rate	Amount
	<b><u>ROOF COVERINGS</u></b>			
	<u>Note:</u> For Preambles see "PW 371 - A Edition 2.0 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (2nd Edition July 2013).			
	<b><u>EXISTING ROOF COVERINGS</u></b>			
	<u>Roof coverings</u>			
1	The Contractor is to allow hereunder for the thorough inspection of the insitu corrugated iron roof coverings, ridge cappings, accessories, etc. to ensure water tightness and complete integrity thereof including for replacement of missing drive screws, etc.	m2	787	
	<b><u>PROFILED SHEETING OF METAL, FIBRE CEMENT, PLASTIC, ETC.</u></b>			
	<b><u>Metal roof sheeting</u></b>			
	<u>0.58mm Thick corrugated "IBR Profile" galvanised metal roof sheeting, in single sheet lengths, with "kalahari red" finish to external face and standard backing coat to internal face :</u>			
2	Roof sheeting laid in patches to a pitch not exceeding 25° and secured to timber purlins at approximately 1 200mm centres including turning up sheet at ridge and turning down sheet at eaves.	m2	77	
	<b><u>Accessories</u></b>			
	<u>Accessories, etc. to match roof sheeting</u>			
3	Ridge capping 550mm girth.	m	24	
4	Broad flute serrated closer including polyclosers.	m	48	
5	Ridge finial.	No	4	
	<b>Carried Forward to Summary of Section No. 2</b>			R
	Section No. 2 Bill No. 4 ROOF COVERINGS, ETC. <b>QIBA JSS</b> <b>PROVISIONAL BILLS OF QUANTITIES</b>			

Item No		Quantity	Rate	Amount
	<b><u>BILL No. 5</u></b>			
	<b><u>CARPENTRY AND JOINERY</u></b>			
	<u>Note:</u>			
	For Preambles see "PW 371 - A Edition 2.1 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (Edition 2.1 July 2014).			
	<b><u>CARPENTRY</u></b>			
	<b><u>Purlins, bracing, etc.</u></b>			
	<u>Wrot softwood :</u>			
1	38 x 114mm Rafters.	m	19	
2	50 x 76mm Purlins.	m	143	
3	38 x 38 x 152mm Long cleat spiked to rafter foot.	No	60	
4	50 x 76 x 500mm Long sprocket spiked to timber purlin.	No	30	
	<u>Sundries:</u>			
5	Hurricane clip fixed to purlin and rafter.	No	100	
	<b><u>JOINERY</u></b>			
	<u>Skirtings</u>			
6	Check timber skirting, realign where necessary and ensure skirting is securely nailed to the wall.	m	32	
7	16 x 76mm Wrought meranti hollow-backed skirting plugged to wall, with 19mm matching quadrant bead at junction with floor.	m	301	
	<b>Carried to Collection</b>			R
	Section No. 2			
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	CARPENTRY AND JOINERY			
	<b>QIBA JSS</b>			
	<b>PROVISIONAL BILLS OF QUANTITIES</b>			

**Plastic, fibre cement, etc.**

Work to existing fascia/barge boards

1	Check fibre cement fascia boards complete, including joining strips, for alignment/rigidity and where necessary replace missing screws or joining strips to existing members to leave fascia boards secure to rafters.	m	117
2	Check fibre cement barge boards complete, including joining strips, for alignment/rigidity and where necessary replace missing screws or joining strips to existing members to leave fascia boards secure to rafters.	m	37

Pressed fibre-cement:

3	12 x 228mm Fascia board drilled and brass screwed to rafter feet including galvanised steel H-profile jointing strips, etc.	m	61
4	80 x 275mm Barge board drilled and brass screwed to timber purlins including galvanised steel H-profile jointing strips, etc.	m	54

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Item No		Quantity	Rate	Amount
	<b><u>BILL No. 6</u></b>			
	<b><u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u></b>			
	<u>Note:</u>			
	For Preambles see "PW 371 - A Edition 2.1 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (Edition 2.1 July 2014).			
	<b><u>INTERNAL NAILED UP CEILINGS</u></b>			
	<u>Work to existing ceilings</u>			
1	Check fibreceement ceiling complete, including cover strips, for alignment/rigidity and where necessary re-nail ceiling or cover strips to existing members to leave ceiling level and secure.	m2	484	
	<u>4mm Thick fibre-cement boards with and including 6 x 32mm wrought meranti coverstrips over joints:</u>			
2	Ceilings including 38 x 50mm sawn softwood brandering at 400mm centres with cross brandering at joints, ends of sheets and at light fittings, etc.	m2	259	
	<b><u>Trap doors</u></b>			
3	Extra over 4mm thick fibre cement board ceiling for forming trap door, size 630 x 630mm in clear, formed with 38 x 50mm sawn S.A. pine framing covered with ceiling boarding and set in 38 x 76mm wrought S.A. pine rebated kerb, including all necessary additional supports, trimmers, etc.	No	5	
	<b><u>Cornices</u></b>			
	<u>Paper covered gypsum cornice with skimmed joints plugged to walls including mitres, etc.:</u>			
4	75mm Coved cornice.	m	206	
	<b>Carried Forward to Summary of Section No. 2</b>			R
	Section No. 2			
	Bill No. 6			
	CEILINGS, PARTITIONS AND ACCESS FLOORING			
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Item No		Quantity	Rate	Amount
	<b><u>BILL No. 7</u></b>			
	<b><u>FLOOR COVERINGS, WALL LININGS, ETC.</u></b>			
	<u>Note:</u>			
	For Preambles see "PW 371 - A Edition 2.1 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (Edition 2.1 July 2014).			
	<b><u>FLOOR COVERINGS</u></b>			
	<b><u>Vinyl floor coverings</u></b>			
	<u>300 x 300 x 2.5mm Semi-flexible reinforced vinyl quartz floor tiles</u>			
1	Sealed to prepared floors with adhesive in patches to match existing tiles.	m2	121	
2	Sealed to prepared floors with adhesive.	m2	214	
	<b><u>Polish, sealers, etc.</u></b>			
	<u>Clean by stripping and sealing and apply three coats water based copolymer emulsion or other approved sealer</u>			
3	On vinyl sheet flooring.	m2	214	
4	On existing vinyl sheet flooring.	m2	383	
	<b>Carried Forward to Summary of Section No. 2</b>			R
	Section No. 2			
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	FLOOR COVERINGS, WALL LININGS, ETC.			
	<b>QIBA JSS</b>			
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Item No	<b><u>BILL No. 8</u></b>	Quantity	Rate	Amount
	<b><u>IRONMONGERY</u></b>			
	Note:  For Preambles see "PW 371 - A Edition 2.1 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (Edition 2.1 July 2014).			
	<b><u>IRONMONGERY TO TIMBER</u></b>			
	<b><u>Hooks</u></b>			
1	150mm Brass cabin hook and eye screwed to and including 69 x 69 x 32mm chamfered hardwood block plugged to wall.	No	11	
	<b><u>Door stops</u></b>			
2	Black rubber door stop plugged to wall or floor.	No	11	
	<b><u>Locksets, etc. provided with two keys and to be masterkeyed</u></b>			
3	"Union Gower CZ682-24-61SC" or other equal approved satin chrome finish four lever lockset complete with chromium plated lever furniture.	No	11	
	<b><u>IRONMONGERY TO METALWORK</u></b>			
	<b><u>Locksets, etc. provided with two keys and to be masterkeyed</u></b>			
4	38mm Heavy duty brass padlock with stainless steel shackle.	No	11	
	<b><u>Sundries</u></b>			
5	50mm Plastic key tag.	No	11	
	<b>Carried to Collection</b>			R
	Section No. 2 Bill No. 8 IRONMONGERY <b>QIBA JSS</b> <b>PROVISIONAL BILLS OF QUANTITIES</b>			

**PROPRIETARY KITCHEN CUPBOARDS, LOCKERS, WRITING BOARDS, SEATS, ETC.**

Lockers

1	Powder coated "Grey" steel standard two-door stationary cupboard, size 900mm wide x 450mm deep x 1800mm high, provided complete with four shelves, chromium plated locking mechanism, four times bolted to brickwork with and including 10 x 85mm long masonry anchors.	No	9	
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Writing boards

2	"Parrot Products" Educational board with deluxe aluminium perimeter frame, size overall 4890 x 1230mm high, with magnetic chalkboard centre panel fitted with aluminium chalkrail, size 2420 x 1230mm high, two outer fixed leaves, each size 1220 x 1230mm high, two double sided swing leaf panels fitted with heavy duty plastic hinges, each leaf size 1210 x 1230mm high, mounted to wall with and including proprietary wall fixings.	No	9	
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Information notice boards

3	"Parrot Products BD 0476" Information board with felt backing and aluminium perimeter frame, size 2400 x 1200mm high, concealed mounted to wall with proprietary wall fixings.	No	20	
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IRONMONGERY

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Item No	BILL No. 11	Quantity	Rate	Amount
	<p><b><u>METALWORK</u></b></p> <p><u>Note:</u></p> <p>For Preambles see "PW 371 - A Edition 2.1 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (Edition 2.1 July 2014).</p> <p><b><u>STEEL</u></b></p> <p><b><u>GATES</u></b></p> <p><u>Hot dipped galvanised mild steel</u></p>			
1	<p>Single gate, size 1000mm wide x 2032mm high, the leaf formed of 40 x 40 x 2.5mm wall thickness mild steel pipe framing all round with mitred and welded angles, the gate filled in with 10 x 10mm mild steel bars welded, at each end, diagonally at 45 degrees to perimeter framing at not exceeding 100mm centres, the leaf fitted with lock housing (lock elsewhere measured) formed of 2.5mm thick mild steel flat plate, including fitting with two 50 x 10mm flat bar tee brackets and 16mm round bar pin hinges, twice bolted to wall with and including M16 x 95mm galvanised coach screws.</p>	No	11	
	<p><b>Carried Forward to Summary of Section No. 2</b></p>			R
	<p>Section No. 2            Bill No. 9            METALWORK  <b>QIBA JSS</b>  <b>PROVISIONAL BILLS OF QUANTITIES</b></p>			

Item No		Quantity	Rate	Amount
	<b><u>BILL No. 9</u></b>			
	<b><u>PLASTERING</u></b>			
	<u>Note:</u>			
	For Preambles see "PW 371 - A Edition 2.1 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (Edition 2.1 July 2014).			
	<b><u>SCREEDS</u></b>			
	<b><u>GRANOLITHIC</u></b>			
	<b><u>1:3 Cement screeds and paving</u></b>			
1	25mm Thick screed in patching to floors.	m2	87	
2	25mm Thick screed to floors.	m2	214	
	<b><u>PLASTER</u></b>			
	<u>One coat internal 1:4 cement plaster on :</u>			
3	Brick wall in narrow widths not exceeding 300mm wide.	m2	36	
4	Walls in patching.	m2	97	
	<u>One coat external 1:5 cement plaster on :</u>			
5	Brick wall.	m2	50	
6	Brick wall in narrow widths not exceeding 300mm wide.	m2	36	
7	Walls in patching.	m2	146	
	<b>Carried Forward to Summary of Section No. 2</b>			R
	Section No. 2			
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	PLASTERING			
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Item No		Quantity	Rate	Amount
	<b><u>BILL No. 10</u></b>			
	<b><u>PLUMBING AND DRAINAGE (PROVISIONAL)</u></b>			
	<u>Note:</u>			
	For Preambles see "PW 371 - A Edition 2.1 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (Edition 2.1 July 2014).			
	<b><u>GUTTERS, ETC</u></b>			
	<b><u>Roof gutters, rainwater pipes, etc.</u></b>			
	<u>White uPVC guttering, downpipes and accessories</u>			
1	125mm Half round eaves gutters fixed to fascia at maximum 600mm centres with and including proprietary fixings.	m	160	
2	Extra over eaves gutter for stopped end.	No	16	
3	Extra over eaves gutter for outlet for 80mm diameter downpipe.	No	14	
4	80mm Diameter rainwater pipes in continuous lengths fixed to wall with and including proprietary holderbats.	m	56	
5	Extra over rainwater pipe for bend.	No	28	
	<b><u>Fire fighting equipment</u></b>			
	<u>Portable fire extinguishers:</u>			
6	4.5 Kg carbondioxide portable fire extinguisher complete with full load, wall hook and bracket, bracket fixed to and including 25 mm wrot Meranti backboard, size 100 x 520mm high with chamfered edges, varnished and fixed to wall.	No	7	
	<b>Carried Forward to Summary of Section No. 2</b>			R
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	PLUMBING AND DRAINAGE			
	<b>QIBA JSS</b>			
	<b>PROVISIONAL BILLS OF QUANTITIES</b>			

Item No	BILL No. 11	Quantity	Rate	Amount
	<p><b><u>GLAZING</u></b></p> <p><u>Note:</u></p> <p>For Preambles see "PW 371 - A Edition 2.1 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (Edition 2.1 July 2014).</p> <p><b><u>GLAZING</u></b></p> <p><u>GLAZING TO STEEL WITH PUTTY</u></p> <p><u>6,38mm Thick normal strength clear laminated safety glass:</u></p>			
1	In panes exceeding 0,1m2 and not exceeding 0,5m2 in area.	m2	16	
	<p><u>Sundries</u></p>			
2	Rake out putty from galvanised steel window frame and replace with new.	m	120	
	<p><b>Carried Forward to Summary of Section No. 2</b></p> <p>Section No. 2            Bill No. 12            GLAZING  <b>QIBA JSS</b>  <b>PROVISIONAL BILLS OF QUANTITIES</b></p>			R



Item No	BILL No. 12	Quantity	Rate	Amount
	<b><u>PAINTWORK</u></b>			
	<u>Note:</u>			
	For Preambles see "PW 371 - A Edition 2.1 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (Edition 2.1 July 2014).			
	<b><u>REDECORATION OF EXISTING</u></b>			
	<u>PREVIOUSLY PAINTED CONCRETE, PLASTER, ETC</u>			
	<u>Scrape down loose or peeling paint, clean off surface contaminants with a sugar soap solution, allow to dry, stop all holes, minor cracks, etc. and apply one coat plaster primer and two coats exterior acrylic emulsion sheen paint on:</u>			
1	External plastered walls.	m2	732	
2	External smooth plastered walls in narrow widths not exceeding 300mm wide.	m2	19	
	<u>Scrape down loose or peeling paint, clean off surface contaminants with a sugar soap solution, allow to dry, stop all holes, minor cracks, etc. and apply one coat plaster primer and two coats interior washable acrylic washable emulsion sheen paint on:</u>			
3	Internal plastered walls.	m2	973	
4	Internal smooth plastered walls in narrow widths not exceeding 300mm wide.	m2	36	
	<u>Prepare and apply, on previously high pressure cleaned surface, two coats quality granolithic floor paint on:</u>			
5	Floors.	m2	88	
6	Walls.	m2	42	
7	Stairs and ramps.	m2	23	
	<b>Carried to Collection</b>			R
	Section No. 2 Bill No. 13 PAINTWORK <b>QIBA JSS</b> <b>PROVISIONAL BILLS OF QUANTITIES</b>			

PREVIOUSLY PAINTED GYPSUM PLASTERBOARD

Scrape down loose or peeling paint, clean off surface contaminants with a sugar soap solution, allow to dry, stop all holes, minor cracks, etc. and apply one coat plaster primer and two coats interior acrylic emulsion sheen paint on:

1 Internal ceiling boarding. m2 497

PREVIOUSLY PAINTED FIBRE CEMENT

Scrape down loose or peeling paint, clean off surface contaminants with a sugar soap solution, allow to dry and apply one coat primer and two coats professional exterior super matt paint on:

2 External cill not exceeding 300mm girth. m 60

Scrape down loose or peeling paint, clean off surface contaminants with a sugar soap solution, allow to dry and apply one coat primer and two coats professional interior super matt paint on:

3 Internal cill not exceeding 300mm girth. m 60

Scrape down loose or peeling paint, clean off surface contaminants with a sugar soap solution, allow to dry and apply one coat primer and two coats professional exterior super matt paint on:

4 Fascias and barge boards. m2 43

PREVIOUSLY PAINTED METALWORK

Scrape down loose or peeling paint, remove all traces of rust, clean off surface contaminants with a sugar soap solution, allow to dry and apply galvanised iron primer (where necessary) and two coats super universal enamel paint on:

5 Steel windows with burglar bars (both sides measured). m2 164

6 Steel door frames. m2 17

7 IBR corrugated steel roof sheeting. m2 787

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PAINTWORK

**QIBA JSS**

**PROVISIONAL BILLS OF QUANTITIES**

	<u>Scrape down loose or peeling paint, remove all traces of rust, clean off surface contaminants with a sugar soap solution, allow to dry and apply galvanised iron primer (where necessary) and two coats super universal enamel paint on:</u>			
1	Steel tubular support columns.	m2	42	
	<b><u>PREVIOUSLY PAINTED TIMBER</u></b>			
	<u>Sand down painted surface to bare timber and apply one coat exterior primer, one coat undercoat and two coats flat enamel paint on:</u>			
2	General surfaces of timber rafters, beams, etc.	m2	63	
3	General surfaces of roof timbers not exceeding 300mm girth.	m	207	
	<u>Sand down varnished surface to bare timber and apply one coat exterior primer, one coat undercoat and two coats flat enamel paint on:</u>			
4	Surfaces of framed ledged and braced batten doors.	m2	37	
5	Frames and linings.	m2	4	
	<u>Sand down varnished surface to bare timber and apply two coats interior quality clear matt varnish on:</u>			
6	Skirtings not exceeding 300mm girth.	m	32	
	<b><u>NEW WORKS</u></b>			
	<b><u>PAINT ON PLASTER</u></b>			
	<u>Prepare and apply one coat plaster primer and two coats quality matt acrylic PVA on :</u>			
7	External smooth plastered walls.	m2	50	
	<b><u>PAINT ON TIMBER</u></b>			
	<u>Prepare and apply three coats exterior quality clear polyurethane varnish on :</u>			
8	Skirtings, cornices or rails not exceeding 300mm girth.	m	301	
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PAINT ON FIBRE-CEMENT

Prime nail heads and H-section jointing strips and apply one coat universal undercoat and two coats eggshell enamel paint on :

1	Internal fibre cement board ceilings including priming cover strips.	m2	259
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Prepare and apply one coat plaster primer and two coats quality matt acrylic PVA on :

2	External fibre cement fascia boarding including priming cover strips.	m2	16
---	---	----	----

3	External fibre cement bargeboard including priming cover strips.	m2	18
---	--	----	----

PAINT ON METALWORK

One coat steel etch primer, one coat universal undercoat and two coats gloss enamel paint on :

4	Steel gates (both sides measured).	m2	45
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**PROVISIONAL BILLS OF QUANTITIES**

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	<b><u>EXTERNAL WORKS (PROVISIONAL)</u></b>			
	<u>Note:</u> For Preambles see "PW 371 - A Edition 2.1 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (Edition 2.1 July 2014).			
	<b><u>DEMOLITIONS AND SITE CLEARANCE</u></b>			
	<b><u>Demolitions</u></b>			
	<u>Prefabricated Structures</u>			
1	Demolish and cart away prefabricated steel framed panelled classroom block with verandah on suspended jacks complete, approximately size 7200 x 7300 x 3000mm high, including floor structure, walls, fittings, ceilings and roof structure.	No	1	
	<b><u>WALKWAYS AND APRONS</u></b>			
	<u>EXCAVATIONS FOR FOUNDATIONS, ETC. (Labour intensive)</u>			
	<u>Excavate in earth not exceeding 2m deep including trimming sides, levelling and ramming bottoms and deposit in spoil heaps for later re-use or cart away</u>			
2	Reduced levels under solid floors.	m3	30	
	<u>Carting away of excavated material</u>			
3	Load surplus or unsuitable material from spoil heaps and cart away to a dumping site to be located by the Contractor.	m3	30	
	<b>Carried to Collection</b>			R
	Section No. 2 Bill No. 14 EXTERNAL WORKS <b>QIBA JSS</b> <b>PROVISIONAL BILLS OF QUANTITIES</b>			

	<u>Filling</u>				
1	150mm G7 Sub-base course, selected and supplied by the Contractor, deposited in layers not exceeding 150mm thick, watered and consolidated to 93% modified AASHTO density under slabs.	m3	30		
	<u>Sundries</u>				
2	Rip prepared platform level and recompact to 93% Mod. A.A.S.H.T.O. density.	m2	202		
	<u>Prescribed Testing</u>				
3	Provide and have filling compaction check tested by a Consulting Engineer's Laboratory and deliver the results to the Architect within 24 hours of the tests being completed.	No	5		
	<u>CONCRETE (Labour intensive)</u>				
	<u>Reinforced concrete 25MPa (19mm stone) in:</u>				
4	Paving in panels including any necessary formwork.	m3	20		
	<u>Surface treatment</u>				
5	Float surface of concrete to a smooth steel trowelled finish.	m2	202		
	<u>Test blocks and testing</u>				
6	Allow for preparing and curing a set of three test cubes, each size 150mm x 150mm x 150mm and pay all transport and testing costs undertaken by an approved independent laboratory. (Provisional)	No	5		
	<u>Movement joints</u>				
7	10mm Thick "Jointex" closed cell polyethylene joint filler with hinged blocking piece between concrete surfaces not exceeding 300mm wide.	m	404		
8	Remove hinged blocking piece and fill 10 x 15mm cavity with an approved 2 part polysulphide sealer.	m	404		
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1	<p><u>Edges, risers, ends and reveals</u></p> <p>Edge, riser, etc not exceeding 300mm high.</p>	m	404	
<p style="text-align: right;"><b>Carried to Collection</b></p> <p>Section No. 2                  Bill No. 14                  EXTERNAL WORKS  <b>QIBA JSS</b>  <b>PROVISIONAL BILLS OF QUANTITIES</b></p>				<p style="text-align: center;">R</p>



<u>REINFORCEMENT</u>				
<u>Reinforcement</u>				
1	Ref: 395 High tensile welded steel mesh reinforcement cast into concrete surfaces.	m2	202	
<u>SHEET OR MEMBRANE WATERPROOFING (Labour intensive)</u>				
<u>250 Micron "Gunplas USB" green polyethylene sheeting</u>				
2	Laid flat under aprons.	m2	243	
<b><u>RAINWATER TANKS AND TANKSTANDS (ALL TRADES)</u></b>				
<u>Excavate in earth not exceeding 2m deep including trimming sides, levelling and ramming bottoms and deposit in spoil heaps for later re-use or cart away</u>				
3	Surface trenches.	m3	42	
4	Reduced levels under solid floors.	m3	3	
<u>Carting away of excavated material</u>				
5	Load surplus or unsuitable material from spoil heaps and cart away to a dumping site to be located by the Contractor.	m3	21	
<u>Risk of collapse of excavations</u>				
6	Allow for risk of collapse to sides of excavations not exceeding 1.5m deep including all necessary timber shoring, etc.	m2	123	
<u>Keeping excavations free of water</u>				
7	Allow for keeping the excavations free from water.		Item	
<u>Filling, layerworks, etc.</u>				
8	Earth filling from the excavations and/or stockpiles in backfilling to trenches, underfloors, column bases, etc., compacted to 95% Mod AASHTO dry density.	m3	35	
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1	Imported G7 filling, selected and supplied by the Contractor, including depositing in layers not exceeding 150mm thick and compacting to 95% modified AASHTO dry density to trenches, bases, etc.	m3	7		
	<u>Compaction of surfaces</u>				
2	Scarify in-situ material to a depth of 150mm and compact to 95% Mod AASHTO density.	m2	21		
	<u>Tests</u>				
3	Allow for Mod AASHTO density tests on filling.	No	3.50		
	<u>Reinforced concrete 25MPa in:</u>				
4	Strip foundations cast against excavated surfaces.	m3	3		
5	Surface beds cast in panels including temporary formwork.	m3	4		
	<u>Sundries</u>				
6	Float surface of concrete to a wood float finish.	m2	35		
	<u>Rough formwork (use and waste) to concrete to:</u>				
7	Edge, riser, etc not exceeding 300mm high.	m	63		
	<u>High tensile welded steel mesh reinforcement :</u>				
8	Ref: 193 cast into concrete surfaces.	m2	35		
	<u>Brickwork in stock bricks in 5:1 cement mortar :</u>				
9	One brick wall.	m2	28		
10	One brick wall in foundations. (Provisional)	m2	42		
	<u>Brickwork sundries :</u>				
11	Galvanised brick reinforcement 150mm wide built horizontally into brickwork.	m	210		
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<u>Ties, cramps, etc.</u>				
1	38 x 1,6mm Galvanised hoop iron strap around tank, both ends fitted with once holed 30 x 30 x 3mm thick galvanised flat plate and bolted together with and including M8 bolt and nut.	No	7	
2	38 x 1,6mm Galvanised hoop iron tie down, 1200mm long, one end wrapped around tank strap and twice bolted, the other end folded over and bolted to top of concrete with and including 8 x 60mm masonry anchor.	No	28	
<u>250 Micron "Gunplas USB" green polyethylene sheeting</u>				
:				
3	Laid flat under solid floor and over walls.	m2	35	
<u>One coat external 1:5 cement plaster on :</u>				
4	Brick wall.	m2	63	
<u>Rainwater tanks:</u>				
5	5000 Litre polyethylene rotomoulded vertical water storage tank provided complete with lid, overflow outlet and "ASIDI" emblem, fitted with suitable adaptor and setting in position on concrete tankstand (elsewhere measured). (The tanks are to be filled with water for the Practical Completion inspection)	No	2	
6	Hole through top of tank lid for 100mm diameter pipe.	No	2	
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EXTERNAL WORKS

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Bill No. 14

EXTERNAL WORKS

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Item No	<b><u>SECTION NO.3 - TEMPORARY STRUCTURES</u></b>	Quantity	Rate	Amount
	<b><u>BILL No.1</u></b>			
	<b><u>TEMPORARY FACILITIES</u></b>			
	Note:  For Preambles see "PW 371 - A Edition 2.1 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (Edition 2.1 July 2014).			
	<b><u>DEMOLITIONS AND SITE CLEARANCE</u></b>			
	<b><u>Site clearance</u></b>			
1	Clear the areas to be developed of all rubbish, debris, vegetation, shrubs, bush and small trees not exceeding 200mm girth and remove from site.	m2	75	
2	Strip topsoil, average 150mm thick, including depositing in stockpiles on site for later re-use.	m3	11	
	<b><u>EXCAVATIONS, FILLING, ETC.</u></b>			
	<b><u>OPEN FACE EXCAVATIONS</u></b>			
3	Open face excavation in earth in cutting and filling in levelling including compacting of the site.	m3	38	
	<b><u>Carting away of excavated material</u></b>			
4	Load surplus or unsuitable material from spoil heaps and cart away to a dumping site to be located by the Contractor.	m3	38	
	<b><u>Compaction of surfaces</u></b>			
5	Rip prepared platform level and recompact to 93% Mod. A.A.S.H.T.O. density.	m2	75	
	<b>Carried to Collection</b>			R
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1	<p><b>Tests</b></p> <p>Allow for Mod AASHTO density tests on filling.</p>	No	1.00	
	<p><b><u>PREFABRICATED BUILDINGS</u></b></p> <p><u>Construction Notes:</u></p> <p>Platforms to be prepared by the main contractor</p> <p><b>All construction materials are to be SABS or AGREEMENT South Africa Certified'.</b></p> <p><b>Prefabricated systems are to be presented to the Principal Agent for approval before construction commences.</b></p> <p>Prefabricated structures to be places on adjustable jacks and concrete pads as per the manufactures specifications.</p> <p>Chassis construction must run the full length and full width of the unit and consist of structurally welded steel chassis with minimum of 2 x 200 x 75 x 20 x 3mm lip channel longitudinal main members running the length of the building at 1640mm centres, 75 x 50 x 20 x 2.5mm lipped channel cross members set at maximum of 600mm centres. Steps and ramps to be supplied where applicable. All structural steel is to be coated with one coat red oxide primer and two coats latex paint.</p> <p>The chassis is to fixed to the adjustable jack trusses</p> <p>Floor construction to be constructed from 18mm 7-Ply rotary cut pine bonded under heat and hydraulic pressure with exterior grade adhesive. All floors to have 6mm groove feather join screwed to chassis cross members with 12 x 45mm galvanized wing tex screws.</p> <p>Floor finishers to classroom units to be covered with 2.5mm vinyl floor sheeting.</p>			
	<p style="text-align: center;"><b>Carried to Collection</b></p> <p>Section No. 3                  Bill No. 1                  PREFABRICATED STRUCTURES  <b>QIBA JSS</b>  <b>PROVISIONAL BILLS OF QUANTITIES</b></p>			<p style="text-align: center;">R</p>

External walls to be constructed of 42mm Chromadeck composite laminated polyurethane core panel interlocking system with tongue and groove interlocking joints sealed with an approved silicon sealant including fixing panels mechanically to base rail as per manufactures specifications.

External walls to be finished both sides with 0.5mm pre-painted "Frost white" hot dipped galvanised steel rigidised Chromadek sheeting.

Top of external walls to be fixed to the underside of the roof panel with natural anodised extruded aluminium side wallplate fixed to external wall including pop rivets at 150mm centres and 90mm long roof screws at 450mm centers through both panels. (See attached drawing 501- Roof/Wall Assembly Vertical Sections)

All corner, edge and ridge capping, etc to be formed from 0.58mm Chromadek including rivets, sealant, etc.

All windows to be powder coated aluminium including necessary ironmongery and burglar proofing to opening sections as per schedule.

Windows to be glazed with 6,38mm thick normal strength clear laminated safety glass including gaskets.

Ablution windows to be fitted with with obscure or frosted glazing.

The perimeter of the frame to the adjacent surface to be sealed with an approved polysulphide sealant.

All windows to be the office windows to be fitted with blinds

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External door frames to be powder coated aluminium fitted with neoprene gaskets.

Single external doors to be 0.5mm 44mm Thick framed, ledged, braced and battened stable door, size 813 x 2032mm high, the top leaf comprising 44 x 108mm stiles, top and bottom rails, the bottom leaf comprising 44 x 108mm stiles and top rail and 22 x 215mm bottom rail, both leaves fitted with 22 x 75mm diagonal braces and 44 x 70mm splayed and rebated weatherboards countersunk brass screwed on at maximum 200mm centres and filled with 22mm thick tongued, grooved and V-jointed both sides vertical boarding in narrow matched widths,  
each door to be fitted with the following :

1. Three 100 x 44mm sinkless aluminium butt hinges
2. 2209 - 78SS" Euro profile upright cylinder lock case
3. 2 x 18 SC satin chrome double cylinder lock mechanism
4. Heavy duty satin chrome lever handle on 165 x 50 x 8mm cast backplate with cylinder lockset cutout.
5. Splayed and rebated weatherboard fixed to the bottom of the door
6. Stainless steel buffered door stop.

All doors to be finished with apply, one coat pre treatment one coat pink wood primer, one undercoat and two coats water based eggshell enamel.

All lock sets are to be master keyed.

Double pitched roof trusses with a minimum pitch of 15 degrees and a overhang of 200mm both sides. Roof covering to be 0.6mm Galvanized pre-painted corrugated chromadek sheeting with PVC half round eaves gutter and PVC down pipes.

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Internal walls to be constructed of 42mm Chromadeck composite laminated polyurethane core panel interlocking system with tongue and groove interlocking joints sealed with an approved silicon sealant including fixing panels mechanically to base rail as per manufactures specifications.

Internal walls to be finished both sides with 0.5mm pre-painted "Frost white" hot dipped galvanised steel rigidised Chromadek sheeting.

Bottom of internal walls to be fitted with a aluminium base channel with 4 x 9mm rivets at 300mm centres on both sides and fixed to the floor slab with 6 x 50mm masonry anchors at 500mm centres including non-shrink grout.( See attached drawing 502- Internal Wall Base Detail)

Top of internal walls to be fixed to the underside of the roof panel with natural anodised extruded aluminium side wallplate fixed to internal wall including pop rivets at 450mm centres and 5.2 x 90mm long roof screws at 1000mm centers through both panels. (See attached drawing 506- Internal Wall - Head Detail Vertical Section)

All corner, edge and ridge capping, etc to be formed from 0.58mm Chromadek including rivets,sealant, etc. (See attached drawing 500- corner detail- horizontal section)

All units to be wired to connect to 220volt single phase (connection and supply elsewhere). The electrical installation to be in accordance with SABS 0142-1993 and each unit fitted with a wiring kit consisting of a distribution board, earth leakage , lights , switches, socket outlets and air conditioner isolators. All lights, plugs, geysers, interior and exterior electrical fittings to be insulated in accordance with SABS 0142-1993. Electrical compliance certificate to be issued with each unit.

Units to be provided with magnetic chalkboards and pinning boards.

Units to be provided with stairs and ramps where necessary to access the classrooms.

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Main contractor to provide the electrical main supply to the prefabricated units and connect to the pre-wired units.

The Contractor shall prepare his own shop details. Immediately on receipt of the Architect's drawings, the Contractor shall satisfy himself that the design drawings contain all the information required for the preparation of the shop details. The said shop details and other drawings shall be submitted in duplicate to the Architect for approval at least 1 week before commencement of fabrication. The Contractor's drawings shall be complete in every respect and shall be checked by the Contractor prior to submission. One copy of each drawing will be retained by the Architect and, within 1 week after the date of receipt by the Architect, the other copy will be returned to the Contractor with the Architect comments or written approval, as the case may be. Before the commencement of fabrication, the Contractor shall obtain from the Architect approval of the shop drawings, in writing. The approval given by the Architect relates to structural adequacy and does not absolve the Contractor from the responsibility for dimensional accuracy.

Prefabricated Units

**Note: The contractor it to take note of all the items above when pricing the prefabricated structure.**

**The contractor will be liable for the completion of any item that is not supplied by the prefabrication sub contractor.**

1	Supply, transport and erect of a Grade R classroom block size 6980 x 7060mm, internal area of 48m2.	No	1
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**BUDGETARY ALLOWANCE**

**ELECTRICAL INSTALLATION**

1 Allow the Budgetary Allowance of R 20 000.00 (Twenty Thousand Rand) for the re-routing of the main electrical supply to the temporary prefabricated units. (To be detailed at a later stage)

Item

20,000.00

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<b><u>BILL NO.1</u></b>			
<b><u>PROVISIONAL SUMS , BUDGETARY ALLOWANCES, ECT.</u></b>			
Note:			
For Preambles see "PW 371 - A Edition 2.1 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (Edition 2.1 July 2014).			
<b><u>PROVISIONAL SUM</u></b>			
<b><u>JOINERY FITTINGS</u></b>			
1	Provided the Provisional sum of R 100 000.00 (One Hundred Thousand Rand) for the replacement of existing joinery fittings.	Item	100,000.00
2	Add for profit on the above, if desired.	Item	
3	Allow for attendance on the above, if desired.	Item	
<b><u>ELECTRICAL INSTALLATION</u></b>			
4	Provided the Provisional sum of R 200 000.00 (Two Hundred Thousand Rand) for the refurbishment of existing electrical installations including replacing lights, plugs and sockets, ect.	Item	200,000.00
5	Add for profit on the above, if desired.	Item	
6	Allow for attendance on the above, if desired.	Item	
<b><u>COMMUNITY LIAISON OFFICER (CLO)</u></b>			
7	Provide the sum of R 45 000.00 (Forty Five Thousand Hundred Rand) for the employment of a CLO.(R 7 500.00 per month x contract period allowance)	Item	45,000.00
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	<b><u>CONTINGENCY PROVISIONS</u></b>		
	Allow the Budgetary Provision of R 200 000.00 ( Two Hundred Thousand Rand) for construction contingencies of a general nature and for the finalisation of design detailing. This sum, or any portion thereof, shall be expended at the sole discretion of the Principal Agent. Any residual balance remaining subsequent to such expenditure shall be deducted in its entirety from the Contract Sum.	Item	200,000.00
	Sub - Total		R
	Add Value - Added Tax at the rate applicable as at Tender closing date.		R
	Sub - Total		R
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