Item No		Quantity	Rate	Amount

SECTION No. 1 - PRELIMINARIES

BILL NO. 1

PRELIMINARIES

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

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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 mispresentation 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**"

Fixed:_____ Value related:_____ Time related:_____ Item

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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:_____	Item		
4	**A7.0 COMPLIANCE WITH REGULATIONS** Clause 7.0 Fixed:_____ Value related:_____ Time related:_____	Item		
5	**A8.0 WORKS RISK** Clause 8.0 Fixed:_____ Value related:_____ Time related:_____	Item		
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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

Fixed:_____ Value related:_____ Time related:_____ Item

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1	**A11.0 LIABILITY INSURANCES** Clause 11.0 Fixed:_____ Value related:_____ Time related:_____	Item		
2	**A12.0 EFFECTING INSURANCES** Clause 12.0 Fixed:_____ Value related:_____ Time related:_____	Item		
3	**A13.0 *No clause***	N/A		
4	**A14.0 SECURITY** Clause 14.0 Clauses 14.1 - 14.8 are amended by replacing them with the following: 14.1 The security to be submitted by the contractor to the employer will be as a payment reduction of up to ten per cent (10%) 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 Where security as a payment reduction of ten per cent (10%) of the value certified in the payment certificate (excluding VAT) has been selected: 14.2.1 The payment reduction of the value certified in a **payment certificate** shall be *mutatis mutandi* in terms of 31.8(B)			
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14.2.2 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:_____ Item

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:_____	Item		
4	**A19.0 ASSIGNMENT** Clause 19.0 Fixed:_____ Value related:_____ Time related:_____	Item		
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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:_____	Item		
4	**A23.0 CONTRACTOR'S DOMESTIC SUBCONTRACTORS** Clause 23.0 Fixed:_____ Value related:_____ Time related:_____	Item		
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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:_____ Item

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1 **A30.0 PENALTY FOR NON-COMPLETION**

Clause 30.0

Fixed:_____ Value related:_____ Time related:_____ Item

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:_____ Item

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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:_____ Item

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DISPUTE

1 **A40.0 DISPUTE SETTLEMENT**

Clause 40.0

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

Clause 40.6 is amended by removing the reference to:

No clause

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

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

Fixed:_____ Value related:_____ Time related:_____ Item

SUBSTITUTE PROVISIONS

2 **A41.0 STATE CLAUSES**

Clause 41.0

Fixed:_____ Value related:_____ Time related:_____ Item

CONTRACT VARIABLES

3 **A42.0 THE SCHEDULE (C1.2)**

Clause 42.0

Tenderers are referred to the C1.2 CONDITIONS OF CONTRACT AND CONTRACT VARIABLES for variables pertaining to this contract

Fixed:_____ Value related:_____ Time related:_____ Item

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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:_____ Item

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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:_____ Item

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1	***B3.10 Articles of value*** Fixed:_____ Value related:_____ Time related:_____	Item		
2	***B3.11 Inspection of adjoining properties*** Fixed:_____ Value related:_____ Time related:_____	Item		
	B4.0 MANAGEMENT OF CONTRACT			
3	***B4.1 Management of the works*** Fixed:_____ Value related:_____ Time related: R _____	Item		
4	***B4.2 Programme for the works*** Fixed:_____ Value related:_____ Time related:_____	Item		
5	***B4.3 Progress meetings*** Fixed:_____ Value related:_____ Time related:_____	Item		
6	***B4.4 Technical meetings*** Fixed:_____ Value related:_____ Time related:_____	Item		
7	***B4.5 Labour and plant records*** Fixed:_____ Value related:_____ Time related:_____	Item		
	B5.0 SAMPLES, SHOP DRAWINGS AND MANUFACTURERS' INSTRUCTIONS			
8	***B5.1 Samples of materials*** Fixed:_____ Value related:_____ Time related:_____	Item		
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1	***B5.2 Workmanship samples*** Fixed:_____ Value related:_____ Time related:_____	Item		
2	***B5.3 Shop drawings*** Fixed:_____ Value related:_____ Time related:_____	Item		
3	***B5.4 Compliance with manufacturers' instructions*** Fixed:_____ Value related:_____ Time related:_____	Item		
	B6.0 TEMPORARY WORKS AND PLANT			
4	***B6.1 Deposits and fees*** Fixed:_____ Value related:_____ Time related:_____	Item		
5	***B6.2 Enclosure of the works*** Fixed:_____ Value related:_____ Time related:_____	Item		
6	***B6.3 Advertising*** Fixed:_____ Value related:_____ Time related:_____	Item		
7	***B6.4 Plant, equipment, sheds and offices*** Fixed:_____ Value related:_____ Time related:_____	Item		
8	***B6.5 Main notice board*** Fixed:_____ Value related:_____ Time related:_____	Item		
9	***B6.6 Subcontractors' notice board*** 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:_____ Item

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

NO

Specific requirements:

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:_____ Item

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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:_____ Time related:_____	Item		
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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:_____	Item			
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	BILL No. 2			
	HEALTH AND SAFETY REQUIREMENTS			
	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).			
	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.			
	OCCUPATIONAL HEALTH AND SAFETY			
	General:			
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.	Item			
4	Provision of first aid boxes.	Item			
	Provision for Personal Protective Equipment and Protective Clothing:				
5	Reflective vests.	Item			
6	Hard hats.	Item			
7	Protective foot wear.	Item			
8	Ear Plugs.	Item			
9	Dust Masks.	Item			
	Costs of Medical Certificates and Medical Surveillance:				
10	Initial (baseline) medical examinations.	Item			
11	Exit Examinations.	Item			
	Noise Monitoring:				
12	Establishment of noise zones.	Item			
13	Audiograms.	Item			
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Item No			Quantity	Rate	Amount
	SECTION No. 2 - BUILDING WORKS				
	BILL No. 1				
	ALTERATIONS, DEMOLITIONS, ETC.				
	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).				
	DEMOLITIONS				
	Specialist work on asbestos products				
	The following items, to be taken down and carted away, are to be carried out by a Registered Asbestos Contractor and hazardous waste disposal expert, registered on the Department of Labour database. The Contractor is to allow for in his rates for all necessary health and safety clothing, equipment, etc. to carry out the works in compliance with all current legislation in this regard.				
1	Take off from roof timbers, "Span 3" corrugated asbestos roof sheeting including accessories and set aside for carting away (elsewhere) (measured flat on plan).	m2	346		
2	Take down from proprietary brackets, 150 x 125 x 150mm asbestos gutter including accessories and set aside for carting away (elsewhere).	m	48		
3	Take off from proprietary holderbats, 100 x 75mm asbestos downpipe including accessories and set aside for carting away (elsewhere).	m	24		
4	Take down asbestos bargeboard set aside for carting away (elsewhere).	m	56		
5	Take down asbestos fasciaboard and set aside for carting away (elsewhere).	m	96		
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1	Allow for the removal from site and disposal of the above set aside asbestos containing materials at an approved asbestos dumping site, to be located by the Contractor, by an approved hazardous waste disposal expert all in accordance with the latest legislation.		Item		
	Ordinary demolitions				
	Reference hereunder to cart away shall mean carting off site to a dumping site to be located by the Contractor.				
	BRICKWORK				
2	Demolish half brick external wall including finishes and cart away demolished materials.	m2	65		
	CARPENTRY AND JOINERY				
3	Demolish and cart away timber purlins.	m	96		
	Skirting				
4	Take down and cart away timber skirting.	m	41		
	Timber doors and frames				
5	Take out from one brick wall and cart away single timber door and frame size 813mm wide x 1800mm high including preparing reveals to receive new frame (elsewhere).	No	22		
6	Take out from one brick wall and cart away single timber door and frame size 813mm wide x 1800mm high, alter opening for new door size 900 x 2032mm high including preparing reveals and lintels (plastered internally and facebrick externally) to receive new frame (elsewhere).	No	2		
7	Take out from one brick wall and cart away single timber door and frame size 900mm wide x 2100mm high including preparing reveals to receive new frame (elsewhere).	No	8		
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ALTERATIONS

PROVISIONAL BILLS OF QUANTITIES

	CEILINGS AND PARTITIONS				
	Internally				
1	Take down and cart away fibre cement ceilings approximately 2800mm from ground level including all cornices, brandering, supporting structures, etc.	m2	23		
2	Take down and cart away gypsum coved cornice.	m	75		
	FLOOR COVERINGS				
3	Strip from concrete floors vinyl floor tiling and cart away including preparing screed for new floor covering (elsewhere).	m2	19		
	PLUMBING AND DRAINAGE				
	Piping, fittings, etc.				
4	Take off from walls, ceilings, etc. and cart away copper/polycrop water supply piping, fittings, valves, etc. of various diameters including temporary stopping of supply where necessary.	m	204		
5	Take off from walls, ceilings, etc. and cart away PVC waste water piping and fittings of various diameters.	m	136		
	Sanitaryware				
6	Demolish and cart away white glazed WC pan and cistern complete including stopping off water supply.	No	38		
7	Demolish and cart away white glazed bowl urinal including flushing system including stopping off water supply.	No	18		
8	Demolish and cart away stainless steel sink or washtrough including stopping off water supply.	No	30		
	Sundries				
9	Take down and cart away toilet roll holders.	No	38		
	PLASTERING				
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PROVISIONAL BILLS OF QUANTITIES

	Walls				
1	Hack off plaster from brick wall and cart away including preparing to receive new plaster (elsewhere).	m2	98		
	TILING				
	Floors				
2	Hack up ceramic floor tiling and cart away including preparing surface to receive new tiling (elsewhere).	m2	141		
3	Hack up 100mm high ceramic skirting and cart away including preparing surface to receive new tiling (elsewhere).	m	202		
	GLAZING				
4	Take out 4mm thick glass from galvanised steel window including preparing frame to receive new glass (elsewhere).	m2	16		
	REFURBISHMENT, PREPARATORY WORKS, ETC.				
	Sundry brickwork refurbishment				
5	Replace broken brick in existing face brick wall with matching brick bedded, jointed and pointed in cement mortar to match existing.	No	45		
	General repair work				
6	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	70		
	METAL WORK				
	Servicing of windows, doors, etc.				
7	Service window, size approximately 600 x 600mm high with top hung opening out light including ensuring smooth opening and closing and replacement of missing stays, catches, etc. as necessary to match existing.	No	7		
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1	Service window, size approximately 600 x 900mm high with top hung opening out light including ensuring smooth opening and closing and replacement of missing stays, catches, etc. as necessary to match existing.	No	8		
2	Service window, size approximately 1800 x 600mm high with two top hung opening out and one fixed light including ensuring smooth opening and closing and replacement of missing stays, catches, etc. as necessary to match existing.	No	24		
3	Service and adjust existing external single security gate and frame, including oiling and easing hinges, preparing to receive new lock, touching up and making good.	No	8		
	Refurbishment by cleaning				
	Walls, concrete columns, tiling, etc.				
4	High pressure clean external face brick facade to remove dirt, lichen, moss, etc. complete including recess pointing and jointing in cement mortar, where necessary, to match existing.	m2	448		
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	BILL No. 2				
	MASONRY				
	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).				
	BRICKWORK (Labour intensive)				
	SUPERSTRUCTURE BRICKWORK				
1	Half brick wall	m2	60		
	Beamfilling				
2	Half brick wall in beamfilling.	m2	5		
	Sundries				
3	Tie in new brickwork to existing including all necessary galvanised steel cramps securely fixed to exist brick walls	m	18		
	Reinforcement to brickwork				
4	Galvanised brick reinforcement 75mm wide built horizontally into brickwork.	m	15		
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	Section No. 2 Bill No. 2 MASONRY				
	PROVISIONAL BILLS OF QUANTITIES				

Item No			Quantity	Rate	Amount
	BILL No. 3				
	WATERPROOFING				
	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).				
	LIQUID WATERPROOFING (Labour intensive)				
	Two coats "ABE Brickseal"				
1	Vertically on bagged surface of brickwork.	m2	254		
	WATERSTOPS, SEALING STRIPS, JOINT SEALANTS, ETC.				
	Sundry elements				
2	Seal and point around metal window frames with an approved external quality sealing compound applied with a pressure caulking gun.	m	156		
3	Seal with an approved anti-fungicidal white silicone sealant junction between sanitary fitting and worktop and/or wall tiling.	m	138		
	Carried Forward to Summary of Section No. 2			R	
	Section No. 2 Bill No. 3 WATERPROOFING				
	PROVISIONAL BILLS OF QUANTITIES				

Item No			Quantity	Rate	Amount
	BILL No. 4				
	ROOF COVERINGS				
	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).				
	PROFILED SHEETING OF METAL, FIBRE CEMENT, PLASTIC, ETC.				
	Metal roof sheeting				
	0,58mm Thick Z200 "IBR Profile" galvanised metal roof sheeting, in single sheet lengths, with factory applied colour finish to external face and standard backing coat to internal face :				
1	Roof sheeting laid 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	346		
	Accessories				
	Accessories, etc. to match roof sheeting				
2	Ridge capping 550mm girth.	m	48		
3	Broad flute serrated closer including polyclosers.	m	96		
4	Ridge finial.	No	8		
	Insulation				
5	"Sisalation 420" insulation laid taut over rafters at approximately 2400mm centres and fixed including galvanised steel straining wires where required.	m2	274		
	Carried Forward to Summary of Section No. 2			R	
	Section No. 2 Bill No. 4 ROOF COVERINGS, ETC.				
	PROVISIONAL BILLS OF QUANTITIES				

Item No			Quantity	Rate	Amount
	BILL No. 5				
	CARPENTRY AND JOINERY				
	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).				
	CARPENTRY				
	Purlins, bracing, etc.				
	Sawn softwood :				
1	38 x 114mm Wall plate wired down (wire ties elsewhere).	m	5		
2	50 x 76mm Purlins.	m	20		
3	38 x 152mm Rafters.	m	15		
	Wrot softwood :				
4	50 x 76mm Purlins.	m	76		
5	38 x 38 x 152mm Long cleat spiked to rafter foot.	No	96		
6	50 x 76 x 500mm Long sprocket spiked to timber purlin.	No	32		
	Sundries:				
7	Hurricane clip fixed to purlin and rafter.	No	40		
	JOINERY				
	Skirtings				
8	16 x 76mm Wrought meranti hollow-backed skirting plugged to wall, with 19mm matching quadrant bead at junction with floor.	m	41		
	Carried to Collection			R	
	Section No. 2 Bill No. 5 CARPENTRY AND JOINERY				
	PROVISIONAL BILLS OF QUANTITIES				

	Doors, windows, sashes, etc.				
	Servicing existing timber doors, etc.				
1	Service and adjust existing single timber door and steel frame, size 900 x 2100mm high including oiling and easing hinges, preparing to receive new lock, touching up and making good.	No	2		
	Semi-solid flush panel doors :				
2	40mm Semi-solid core flush door, size 813 x 1732mm high, hung 150mm above floor finish, with commercial grade veneer both sides and concealed edge strips.	No	22		
	Wrot hardwood :				
3	44mm Thick framed, ledged, braced and battened door size 813 x 2032mm high, comprising 44 x 144mm stiles and top rail, 22 x 150mm middle rail, 22 x 230mm bottom rail and 2 No. 22 x 75mm diagonal braces and filled flush on one side between framing with 22mm thick tongued, grooved and V-jointed both sides vertical boarding in narrow matched widths and fitted with and including 44 x 70mm splayed and rebated weatherboard, countersunk brass screwed on at maximum 200mm centres.	No	8		
4	44mm Thick framed, ledged, braced and battened door size 900 x 2032mm high, comprising 44 x 144mm stiles and top rail, 22 x 150mm middle rail, 22 x 230mm bottom rail and 2 No. 22 x 75mm diagonal braces and filled flush on one side between framing with 22mm thick tongued, grooved and V-jointed both sides vertical boarding in narrow matched widths and fitted with and including 44 x 70mm splayed and rebated weatherboard, countersunk brass screwed on at maximum 200mm centres.	No	2		
	Frames, rails, skirtings, etc.				
	Meranti timber door frames				
	Note :				
	All units are to constructed using 70 x 108mm hardwood timber with 19 x 19mm quadrant bead to external face				
	Carried to Collection			R	

Section No. 2
Bill No. 5
CARPENTRY AND JOINERY

PROVISIONAL BILLS OF QUANTITIES

1	70 x 108mm Rebated meranti jab linings fixed to walls.	m	79		
2	Framed frame, to suit single door size 813 x 2032mm high overall.	No	8		
	Sundries				
3	19mm Hardwood quadrant moulding planted on.	m	119		
4	10 x 140mm Door frame anchor countersunk and pelleted in timber frame, at approximately 600mm centres, including forming mortice in brickwork or concrete.	No	256		
	Plastic, fibre cement, etc.				
	Pressed fibre-cement:				
5	12 x 228mm Fascia board drilled and brass screwed to rafter feet including galvanised steel H-profile jointing strips, etc.	m	96		
6	80 x 275mm Barge board drilled and brass screwed to timber purlins including galvanised steel H-profile jointing strips, etc.	m	58		
	Carried to Collection			R	

Section No. 2
Bill No. 5
CARPENTRY AND JOINERY

PROVISIONAL BILLS OF QUANTITIES

Section No. 2

Bill No. 5

CARPENTRY AND JOINERY

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Bill No. 5
CARPENTRY AND JOINERY

PROVISIONAL BILLS OF QUANTITIES

Item No			Quantity	Rate	Amount
	BILL No. 6				
	CEILINGS, PARTITIONS AND ACCESS FLOORING				
	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).				
	INTERNAL NAILED UP CEILINGS				
	Work to existing ceilings				
1	Check fibrecement 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	90		
	4mm Thick fibre-cement boards with and including 6 x 32mm wrought meranti coverstrips over joints:				
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	75		
	Trap doors				
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	4		
	Carried to Collection			R	

Section No. 2
Bill No. 6
CEILINGS, PARTITIONS AND ACCESS FLOORING

PROVISIONAL BILLS OF QUANTITIES

	Cornices				
	Work to existing cornices				
1	Check gypsum plasterboard cornice, realign where necessary and ensure cornice is securely nailed to brandering or wall.	m	96		
	Paper covered gypsum cornice with skimmed joints plugged to walls including mitres, etc.:				
2	75mm Coved cornice.	m	75		
	Carried to Collection			R	

Section No. 2
Bill No. 6
CEILINGS, PARTITIONS AND ACCESS FLOORING

PROVISIONAL BILLS OF QUANTITIES

Section No. 2

Bill No. 6

CEILINGS, PARTITIONS AND ACCESS FLOORING

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Section No. 2
Bill No. 6
CEILINGS, PARTITIONS AND ACCESS FLOORING

PROVISIONAL BILLS OF QUANTITIES

Item No			Quantity	Rate	Amount
	BILL No. 7				
	FLOOR COVERINGS, WALL LININGS, ETC.				
	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).				
	FLOOR COVERINGS				
	Vinyl floor coverings				
	300 x 300 x 2,5mm Semi-flexible reinforced vinyl quartz floor tiles				
1	Sealed to prepared floors with adhesive.	m2	19		
	Polish, sealers, etc.				
	Clean by stripping and sealing and apply three coats water based copolymer emulsion or other approved sealer				
2	Vinyl flooring.	m2	19		
	Carried Forward to Summary of Section No. 2			R	
	Section No. 2 Bill No. 7 FLOOR COVERINGS, WALL LININGS, ETC.				
	PROVISIONAL BILLS OF QUANTITIES				

Item No			Quantity	Rate	Amount
	BILL No. 8				
	IRONMONGERY				
	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).				
	IRONMONGERY TO TIMBER				
	Hinges, bolts, etc.				
1	100 x 75mm Heavy duty brass butt hinges.	No	68		
	Hooks				
2	150mm Brass cabin hook and eye screwed to and including 69 x 69 x 32mm chamfered hardwood block plugged to wall.	No	8		
	Push plates, kicking plates, indicator plates, etc.				
	3mm Thick x 32mm high blue perspex signs with white painted numerals or letters, countersunk tap screwed to steel door frame				
3	Sign with "MALE ABLUTIONS" enscribed.	No	4		
4	Sign with "FEMALE ABLUTIONS" enscribed.	No	4		
5	Sign with "DISABLED ABLUTIONS" enscribed.	No	2		
6	Sign with "STAFF" enscribed.	No	3		
	Door stops				
7	Black rubber door stop plugged to wall or floor.	No	30		
	Carried to Collection			R	
	Section No. 2 Bill No. 8 IRONMONGERY				
	PROVISIONAL BILLS OF QUANTITIES				

	Locksets, etc. provided with two keys and to be masterkeyed				
1	"Union 2277-78SS" or equally approved three lever upright mortice lockset with stainless steel forend and striking plate finish.	No	8		
2	"Union CZ80941SC" or equally approved satin chrome W/C indicator bolt.	No	22		
	Handles, furniture, etc.				
3	"Dormakaba DPH301 B" or other equal approved 325 x 25mm Stainless steel straight tubular pull handle with flange fixing. (Sets)	No	34		
	Stops, holders, hooks, etc.				
4	"Dormakaba DHC-SS-030A" or other equal approved stainless steel single hat and coat hook plugged to door.	No	22		
	Sundries				
5	50mm Plastic key tag.	No	30		
	Satin Grey Plastics or equal approved				
6	"Satin plastic N-SBIN-12-SA SHE Bin size 463 x 140 x 480mm, floor standing loose.	No	19		
	Carried to Collection			R	

Section No. 2
Bill No. 8
IRONMONGERY

PROVISIONAL BILLS OF QUANTITIES

Section No. 2

Bill No. 8

IRONMONGERY

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Bill No. 8
IRONMONGERY

PROVISIONAL BILLS OF QUANTITIES

Item No			Quantity	Rate	Amount
	BILL No. 9				
	METALWORK				
	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).				
	STEEL				
	Stairs, balustrading, cat ladders, grilles, gates, framework, etc.				
	GATES				
	Hot dipped galvanised mild steel				
1	Single gate, size 900mm wide x 2050mm high, the leaf formed of 25 x 25 x 2mm wall thickness mild steel square tubing framing all round with mitred and welded angles, the gate filled in with 12 x 12mm mild steel bars welded, at each end, 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, the leaf fitted with a set of hinges fixed to brickwall with and including masonry anchors.(G1)	No	4		
	Carried Forward to Summary of Section No. 2			R	
	Section No. 2 Bill No. 9 METALWORK				
	PROVISIONAL BILLS OF QUANTITIES				

Item No			Quantity	Rate	Amount
	BILL No. 10				
	PLASTERING				
	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).				
	SCREEDS				
	GRANOLITHIC				
	1:3 Cement screeds and paving				
1	25mm Thick screed in patching to floors.	m2	2		
	PLASTER				
	One coat internal 1:4 cement plaster on :				
2	Brick wall in narrow widths not exceeding 300mm wide.	m2	32		
3	Walls in patching.	m2	84		
	One coat external 1:5 cement plaster on :				
4	Walls in patching.	m2	14		
	Carried Forward to Summary of Section No. 2			R	
	Section No. 2 Bill No. 10 PLASTERING				
	PROVISIONAL BILLS OF QUANTITIES				

Item No			Quantity	Rate	Amount
	BILL No. 11				
	TILING				
	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).				
	INTERNAL FLOOR TILING				
	Ceramic tiles, size 600 x 600mm (P.C. Amount R300.00/m2) sealed to plastered surfaces with 3mm wide joints and grouted in tinted grout:				
1	On floors.	m2	141		
	Treads, risers, cills, copings, skirtings, etc.				
	Ceramic tiles, size 600 x 600mm (P.C. Amount R300.00/m2) sealed to plastered surfaces with 3mm wide joints and grouted in tinted grout:				
2	Cut tile skirting, 100mm high.	m	202		
	Miscellaneous				
3	10mm Thick aluminium edge trim.	m	202		
	Carried Forward to Summary of Section No. 2			R	
	Section No. 2 Bill No. 11 TILING				
	PROVISIONAL BILLS OF QUANTITIES				

Item No			Quantity	Rate	Amount
	BILL No. 12				
	PLUMBING AND DRAINAGE (PROVISIONAL)				
	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).				
	GUTTERS, ETC				
	Roof gutters, rainwater pipes, etc.				
	White uPVC guttering, downpipes and accessories				
1	125mm Half round eaves gutters fixed to fascia at maximum 600mm centres with and including proprietary fixings.	m	96		
2	Extra over eaves gutter for stopped end.	No	16		
3	Extra over eaves gutter for outlet for 80mm diameter downpipe.	No	8		
4	80mm Diameter rainwater pipes in continuous lengths fixed to timber gumpoles with and including proprietary holderbats.	m	40		
5	Extra over rainwater pipe for bend.	No	16		
	PIPEWORK, ETC.				
	Pipes, pipe fittings, etc.				
	WATER SUPPLIES				
	Class 10 polycop pipes with straight compression fittings				
6	15mm Pipe and fixing to walls, floors, in roofs, in concrete, etc. including any necessary proprietary holderbats, fixings, etc.	m	142		
	Carried to Collection			R	

Section No. 2
Bill No. 12
PLUMBING AND DRAINAGE

PROVISIONAL BILLS OF QUANTITIES

1	22mm Ditto.	m	163		
2	15mm Pipe chased into brickwork.	m	174		
3	22mm Ditto.	m	91		
	Extra over copper pipes for brass compression fittings				
4	15mm Fittings.	No	340		
5	22mm Fittings.	No	250		
	Connections				
	Connection of new to existing pipes				
6	Connection of 32mm diameter HDPE to 22mm diameter polycop pipes including all necessary reducers, saddles, etc.	No	11		
	Testing :				
7	Allow for testing the preceding water supply installation in accordance with the National Building Regulations.		Item		
	SOIL DRAINAGE				
	uPVC Pipes with solvent welded straight joints :				
8	50mm Pipes.	m	181		
9	110mm Pipes.	m	133		
	Extra over uPVC pipes for solvent welded fittings :				
10	50mm Plain bend.	No	98		
11	110mm Plain bend.	No	57		
12	50mm Access bend.	No	49		
13	110mm Access bend.	No	38		
	Carried to Collection			R	

Section No. 2
Bill No. 12
PLUMBING AND DRAINAGE

PROVISIONAL BILLS OF QUANTITIES

	Gulleys, grease traps, etc.				
1	100mm Diameter uPVC gulley trap with universal gulley head set flush in with finished pavement level including encasing in 15MPa concrete 100mm thick all round.	No	4		
2	430 x 430 x 175mm Precast concrete gulley top, bedded over gulley in cement mortar.	No	4		
	Testing :				
3	Allow for testing the preceding sanitary plumbing installation in accordance with the National Building Regulations.		Item		
	SANITARY FITTINGS, TANKS, GEYSERS, ETC.				
	Sanitary fittings, etc.				
	White glazed vitreous china ware :				
4	Rectangular washhand basin, size 560 x 405mm, with one tapholes, one taphole stopper, integrated overflow and chainstay hole, mounted to wall on and including two proprietary semi-concealed cast iron wall brackets with 10mm bolts.	No	30		
5	Close coupled washdown suite with 90 degree outlet open rim pan and matching 9 litre front single flush cistern complete with lid, fitments and flushpipe bedded to floor in 1:4 cement mortar mixture.	No	39		
6	"Vaal 704001" or equally approved wall hung flat back urinal, size overall 610 x 3850mm, complete with chromium plated back inlet spreader and 38mm chromium plated domical grating hung on and including two proprietary hanger brackets .	No	19		
	Sanitary fitting sundries				
7	Satin chrome thief proof toilet roll holder, TR2, plugged to wall.	No	39		
8	Heavy-duty double-flap hinged toilet seat and cover.	No	39		
9	150 x 150mm White glazed soap dish.	No	30		
	Carried to Collection			R	

Section No. 2
Bill No. 12
PLUMBING AND DRAINAGE

PROVISIONAL BILLS OF QUANTITIES

	Grade 304 stainless steel ware :				
1	Grab rail 1200mm long with two flanges "SR 1" plugged to wall with and including stainless steel screws.	No	2		
2	Dog leg grab rail with three flanges "DL3" plugged to wall with and including stainless steel screws.	No	2		
	Taps, valves, etc.				
	Solid cast brass taps, valves, etc.				
3	15mm Brass ball-o-stop.	No	87		
4	15mm Chromium plated brass metered bib tap with non-hold open feature and flow control.	No	30		
5	"Flushmaster Junior FJ 6.000" or other equal approved 22mm chromium plated exposed type urinal flushvalve with "FJT 5.5" chromium plated flushpipe, integral non hold-open feature and ball-o-flo valve, with wall plate.	No	19		
6	22mm Brass non-return valve.	No	4		
	Sundries				
7	Service tap, mixer, etc. including changing washers and leave in perfect working condition.	No	5		
	Waste unions, traps, etc.				
	Outlets, traps, etc :				
8	38mm Chromium plated brass slotted sink waste outlet with plug, chain and chain stay.	No	30		
9	38mm Chromium plated urinal waste outlet.	No	19		
10	38mm Butyl rubber flexible deepseal sink P-trap.	No	30		
11	50mm Chromium plated brass basin bottle trap.	No	19		
	Carried to Collection			R	

Section No. 2
Bill No. 12
PLUMBING AND DRAINAGE

PROVISIONAL BILLS OF QUANTITIES

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Bill No. 12

PLUMBING AND DRAINAGE

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Bill No. 12
PLUMBING AND DRAINAGE

PROVISIONAL BILLS OF QUANTITIES

Item No			Quantity	Rate	Amount
	BILL No. 13				
	GLAZING				
	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).				
	GLAZING				
	GLAZING TO STEEL WITH PUTTY				
	6,38mm Thick normal strength clear laminated safety glass:				
1	In panes exceeding 0,1m2 and not exceeding 0,5m2 in area.	m2	16		
	Sundries				
2	Rake out putty from galvanised steel window frame and replace with new.	m	78		
	Glass tops, shelves, doors, mirrors, etc.				
3	4mm Thick polished float glass mirror, size 450 x 600mm, four times plugged to wall with and including chromium plated dome headed screws.	No	30		
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	Section No. 2 Bill No. 13 GLAZING				
	PROVISIONAL BILLS OF QUANTITIES				

Item No			Quantity	Rate	Amount
	BILL No. 14				
	PAINTWORK				
	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).				
	REDECORATION OF EXISTING				
	PREVIOUSLY PAINTED CONCRETE, PLASTER, ETC				
	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:				
1	External plastered walls.	m2	154		
2	External smooth plastered walls in narrow widths not exceeding 300mm wide.	m2	6		
	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:				
3	Internal plastered walls.	m2	687		
4	Internal smooth plastered walls in narrow widths not exceeding 300mm wide.	m2	44		
	Carried to Collection			R	

Section No. 2
Bill No. 14
PAINTWORK

PROVISIONAL BILLS OF QUANTITIES

	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	97		
	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	52		
	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	52		
	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:				
4	Steel windows with burglar bars (both sides measured).	m2	66		
5	Steel security gates (both sides measured).	m2	34		
	NEW WORKS				
	PAINT ON TIMBER				
	Prime or oil on :				
6	Backs of frames or linings not exceeding 300mm girth.	m	119		
	Carried to Collection			R	

Section No. 2
Bill No. 14
PAINTWORK

PROVISIONAL BILLS OF QUANTITIES

	Prepare and apply one coat pink wood primer, one undercoat and two coats water based eggshell enamel on :				
1	Surfaces of flush panel doors.	m2	101		
2	Surfaces of frames and linings.	m2	31		
	Prepare and apply two coats carbolineum on:				
3	General surfaces of roof timbers.	m2	64		
4	General surfaces of roof timbers not exceeding 300mm girth.	m	174		
	Prepare and apply three coats exterior quality clear polyurethane varnish on :				
5	Skirtings, cornices or rails not exceeding 300mm girth.	m	41		
	PAINT ON METALWORK				
	One coat steel etch primer, one coat universal undercoat and two coats gloss enamel paint on :				
6	Steel security gates (both sides measured).	m2	15		
	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 :				
7	Internal fibre cement board ceilings including priming cover strips.	m2	75		
	Prepare and apply one coat plaster primer and two coats quality matt acrylic PVA on :				
8	External fibre cement fascia boarding including priming cover strips.	m2	25		
9	External fibre cement bargeboard including priming cover strips.	m2	19		
	Carried to Collection			R	

Section No. 2
Bill No. 14
PAINTWORK

PROVISIONAL BILLS OF QUANTITIES

Section No. 2

Bill No. 14

PAINTWORK

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Bill No. 14
PAINTWORK

PROVISIONAL BILLS OF QUANTITIES

Item No			Quantity	Rate	Amount
	BILL No. 15				
	EXTERNAL WORKS (PROVISIONAL)				
	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).				
	TEMPORARY BARRIERS, SCREENS,ECT.				
	TEMPORARY HOARDING				
	Note: Contractor to price for the taking down and carting away hoarding on completion.				
	Site clearance				
1	Allow for clearing site for the width of 1000mm where fencing runs are to be erected including removing trees, shrubs, etc., not exceeding 200mm girth, grubbing up roots and roughly levelling.	m	200		
2	External barricade screen, 1800mm high overall, comprising 100-125mm diameter tanalith treated gumpoles planted 650mm deep in ground at 3000mm centres comprising of six strands of 4mm galvanised straining wires (evenly spaced) secured to posts with doubled 2mm galvanised wire inserted through hole in post and turned a minimum of four turns around straining wire and yellow and orange barrier shade cloth fixed to straining wires with 20Mpa mass concrete base size 400 x 400 x 550mm thick with sloping top surface including all necessary excavations, backfilling, risk of collapse and carting away surplus material, etc.	m	200		
	Carried to Collection			R	

Section No. 2
Bill No. 15
EXTERNAL WORKS

PROVISIONAL BILLS OF QUANTITIES

	Hot dipped galvanised steel gates				
1	Security fence double gate, size 3000mm wide x 1800mm high, formed of 80 x 40 x 4mm wall thickness rectangular section framing all round with mitred and welded angles and diagonal cross brace, the gate covered with mesh security fencing secured with "Howgring" clips applied with "Howgring" pliers at 300mm centres to and including six rows of straining wires and yellow/orange barrier shade cloth.	No	1		
	THE FOLLOWING IN WALKWAYS				
	EARTHWORKS				
	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				
2	Reduced levels between buildings, retaining walls, etc.	m3	15		
	Carting away of excavated material				
3	Extra over all excavations for loading surplus or unsuitable material from spoil heaps and cart away to a dumping site to be located by the Contractor.	m3	15		
	BASECOURSES				
4	G7 Base course material, selected and supplied by the Contractor, deposited in layers not exceeding 150mm thick, watered and consolidated to 98% modified AASHTO density under pavings.	m3	15		
	Sundries				
5	Rip reduced platform level and recompact to 93% Mod. A.A.S.H.T.O. density.	m2	100		
	Prescribed Testing				
6	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		
	Carried to Collection			R	

Section No. 2
Bill No. 15
EXTERNAL WORKS

PROVISIONAL BILLS OF QUANTITIES

	Weedkillers, insecticides, etc.				
	Soil insecticide in accordance with SANS 5859				
1	Under paving, etc.	m2	100		
	PRECAST CONCRETE PAVERS				
	Grey interlocking precast concrete pavers type S-A laid in herringbone pattern with header course perimeter margin				
2	50mm Thick laid on and including 25mm sand bed treated with weed killer and cement/sand mixture swept into joints on completion.	m2	100		
	Sundries				
3	Circular cutting on 50mm thick non bevelled concrete pavers.	m	15		
	Channelling, kerbing, edging, etc.				
	Precast concrete kerbing				
4	Precast semi-mountable concrete Fig 8B edge kerb size 300 x 175mm high cast in lengths not exceeding 1m and with expansion joints at not exceeding 10m centres finished smooth off the mould on all exposed surfaces bedded on and including minimum 50mm thick mass concrete 15 MPa base and backing including all necessary excavation, formwork, expansion joints, etc.	m	50		
5	Ditto, but circular on plan to not exceeding 4m radius.	m	15		
	THE FOLLOWING IN DISABLED ACCESS				
	SCREEN WALL				
	Excavation in earth not exceeding 2m deep:				
6	Trenches.	m3	14		
	Extra over all excavations for carting away:				
7	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the Contractor.	m3	8		
	Carried to Collection			R	

Section No. 2
Bill No. 15
EXTERNAL WORKS

PROVISIONAL BILLS OF QUANTITIES

	Risk of collapse of excavations:				
1	Sides of trench and hole excavations not exceeding 1,5m deep.	m2	40		
	Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 93% MOD AASHTO density:				
2	Backfilling to trenches, holes, etc.	m3	8		
	Earth filling (G7 material) supplied by the contractor in layers not exceeding 150mm thick and compacted to 98% Mod AASHTO density:				
3	Under footings.	m3	5		
	Compaction of surfaces				
4	Compaction of ground surface under floors, etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 90% Mod AASHTO density.	m2	14		
	25 Mpa/19mm Concrete				
5	Strip footings.	m3	4		
	Test blocks:				
6	Making and testing of 150x150x150mm concrete strength test cubes (Provisional).	No	2		
	Reinforcement (Provisional)				
7	High tensile steel reinforcement bars to structural concrete work.	t	0.40		
	BRICKWORK IN FOUNDATIONS.				
	Brickwork of NFX bricks (14 MPa nominal compressive strength) in Class I mortar (Cement to be 42.5N all-purpose cement):				
8	One brick walls.	m2	14		
	Carried to Collection			R	

Section No. 2
Bill No. 15
EXTERNAL WORKS

PROVISIONAL BILLS OF QUANTITIES

	BRICKWORK IN SUPERSTRUCTURE				
	Brickwork of NFP bricks (14 MPa nominal compressive strength) in Class II mortar (Cement to be 42.5N all-purpose cement):				
1	One brick walls.	m2	20		
	Brickwork reinforcement:				
2	230mm Wide reinforcement built in horizontally.	m	120		
3	Ditto but in foundations.	m	60		
	FACE BRICK				
	"Rustgold FBS/Qunu Travertine" clay face brick or equal approved, size 222 x 106 x 73mm, bedded and jointed in Class II mortar and pointed with recessed vertical and recessed horizontal joints, suitable for exposure zones 1-2 (Cement to be 42.5N all-purpose cement):				
4	One brickwall faced on both sides.	m2	20		
	Brick-on-edge header course copings, sills, etc, of "Rustgold FBS/Qunu Travertine" or equal approved face bricks pointed with recessed joints on all exposed faces, 220mm wide sill set sloping and slightly projecting:				
5	230mm wide header course to top of one brick wall bedded and jointed in cement mortar and pointed on top and both sides as described.	m	20		
	ACCESS RAMPS				
	Excavation not exceeding 2m deep				
6	Reducing levels and depositing excavated material in prescribed stock piles on site.	m3	15		
	Extra over all excavations for loading, carting and dumping surplus excavated material (no allowance made for increase in bulk):				
7	Off site to a dumping site to be found by the Contractor.	m3	15		
	Carried to Collection			R	

Section No. 2
Bill No. 15
EXTERNAL WORKS

PROVISIONAL BILLS OF QUANTITIES

	Filling supplied by the contractor under floors, aprons, etc				
1	G7 Base course material compacted to 98% Mod AASHTO density	m3	8		
2	Over site of Selected Subgrade G5 material in accordance with SABS 1 200 DM in layers not exceeding 150mm thick and compacted to 95% Mod AASHTO density.	m3	8		
	Coarse river sand filling supplied by the contractor:				
3	Under floors etc.	m3	5		
	Compaction of surfaces:				
4	Compaction of ground surface under floors etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 90% Mod AASHTO density.	m2	51		
	Prescribed density tests on filling:				
5	In-situ dry density test.	No	4		
	Reinforced 25Mpa/19mm Concrete:				
6	Ramps, Landings, etc.	m3	6		
	Finishing top surfaces of concrete smooth with a wood float:				
7	Surface beds, slabs, etc to falls and currents.	m2	51		
	Test blocks:				
8	Making and testing of 150x150x150mm concrete strength test cubes (Provisional).	No	2		
	Expansion joints with bitumen impregnated softboard between vertical concrete or brick surfaces:				
9	12mm Joints not exceeding 300mm high.	m	33		
	Carried to Collection			R	

Section No. 2
Bill No. 15
EXTERNAL WORKS

PROVISIONAL BILLS OF QUANTITIES

	Two-part grey polysulphide sealing compound including backing cord, bond breaker, primer, etc				
1	10 x 12mm In movement joints in floors or walls including raking out expansion joint filler as necessary.	m	33		
	Fabric reinforcement:				
2	REF. 395 fabric reinforcement in concrete surface beds, slabs, etc.	m2	51		
	Waterproofing under Surface beds				
3	350 Micron USB orange polyethylene dampproof membrane in accordance with SABS 952 Type C laid on sand bed (elsewhere measured).	m2	52		
	THE FOLLOWING IN WATER SUPPLY				
	ALTERATIONS TO EXISTING				
4	Locate, cut into and temporarily stop off 40mm diameter water pipe for insertion of stop end (elsewhere).	No	1		
5	Locate, cut into and temporarily stop off 54mm diameter water pipe for insertion of Tee Junction (elsewhere).	No	1		
6	Locate, cut into and temporarily stop off 63mm diameter water pipe for insertion of Tee Junction (elsewhere).	No	1		
	PIPEWORK, ETC.				
	Pipes, pipe fittings, etc.				
	Class 12 uPVC water supply pipe with bedding and filling in accordance with SABS 1200				
7	32mm Pipe and laying in ground not exceeding 1000mm deep.	m	60		
8	40mm Pipe and laying in ground not exceeding 1000mm deep.	m	40		
	Extra over uPVC pipes for the following fittings				
9	32mm bend.	No	8		
	Carried to Collection			R	

Section No. 2
Bill No. 15
EXTERNAL WORKS

PROVISIONAL BILLS OF QUANTITIES

1	40mm bend.	No	4		
2	32mm Tee junction.	No	3		
3	40mm Tee junction.	No	2		
4	32 x 40 x 32mm Reducing tee.	No	1		
5	32 x 54 x 32mm Reducing tee.	No	1		
6	40 x 63 x 40mm Reducing tee.	No	1		
	Water supply valve or meter chambers				
7	Excavate for and build valve chamber size 460 x 460 x not exceeding 1000mm deep internally, formed of 300mm thick layer of well backfilling , 200mm high half brick corbelled sides with 75mm brickforce between each course including Type 3A cast iron valve cover and frame size 100 x 230 x 300 encased in a 300mm thick 25mpa mass concrete base.	No	3		
	Taps, valves, etc.				
8	32mm Gate valve.	No	3		
9	32mm Non return valve.	No	1		
	Testing				
10	Allow for testing the water supply installation in accordance with the National Building Regulations.		Item		
	THE FOLLOWING IN SOIL DRAINAGE				
	Pipe depth categories and manholes, catchpits, etc. have been measured to the designed invert levels of same. The Contractor is to allow for in his rates for any additional excavation, bedding, backfilling, making up levels, etc. he deems necessary to make up any difference to actual depth.				
	EXISTING SERVICES				
	Jet or high pressure cleaning to be carried out on subsurface piping, rodding eyes, manholes, etc. to be carried out to the complete satisfaction of the Engineer.				
	Carried to Collection			R	

Section No. 2
Bill No. 15
EXTERNAL WORKS

PROVISIONAL BILLS OF QUANTITIES

	Pipes				
1	110mm Pipe fixed to walls.	m	4		
2	110mm Pipe not exceeding 1000mm deep.	m	42		
3	110mm Pipe exceeding 1000mm not exceeding 2000mm deep.	m	17		
	Rodding eyes				
4	110mm Diameter PVC rodding eye.	No	8		
	Brick manholes				
5	Manhole not exceeding 1000mm deep.	No	2		
6	Manhole exceeding 1000mm not exceeding 2000mm deep.	No	1		
	ALTERATIONS TO EXISTING				
7	Cut into and stop off temporarily 110mm soil pipe for new manhole construction (elsewhere).	No	1		
8	Cut into and stop off temporarily 110mm soil pipe for insertion of Tee junction (elsewhere).	No	1		
	NEW WORKS				
	Class 34 Rigid uPVC socketed soil piping with bedding and filling in accordance with SABS 1200				
9	110mm Pipe and excavation not exceeding 1000mm deep.	m	17		
10	110mm Pipe and excavation exceeding 1000mm not exceeding 2000mm deep.	m	4		
	Extra over uPVC pipes for fittings				
11	110mm 90 Degree bend.	No	5		
12	110mm Junction.	No	1		
	Carried to Collection			R	

Section No. 2
Bill No. 15
EXTERNAL WORKS

PROVISIONAL BILLS OF QUANTITIES

	Rodding eyes, etc.				
1	PVC Rodding eye and frame and joint to top of 110mm uPVC pipe.	No	1		
	Sundries				
2	300 x 300 x 75mm Precast concrete inspection eye marker slab set in position including excavations, carting away, ect.	No	2		
	MANHOLES, ETC.				
3	Excavate for and build manhole size 1440 x 1440 x not exceeding 1000mm deep internally, formed of 150mm thick reinforced concrete (25MPa) bottom projecting 150mm all round with welded mesh Ref. 245 both top and bottom, one brick sides, 150mm high precast reinforced concrete (25MPa) cover slab and lid with welded mesh Ref. 245 both top and bottom laid loose on top of brickwork, finished on all exposed surfaces in 3.1 cement plaster and bottom graded to outlets in 3.1 cement mortar.	No	1		
4	Excavate for and build manhole size 1440 x 1440 x exceeding 1000mm not exceeding 2000mm deep internally, formed of 150mm thick reinforced concrete (25MPa) bottom projecting 150mm all round with welded mesh Ref. 245 both top and bottom, one brick sides, 150mm high precast reinforced concrete (25MPa) cover slab and lid with welded mesh Ref. 245 both top and bottom laid loose on top of brickwork, finished on all exposed surfaces in 3.1 cement plaster and bottom graded to outlets in 3.1 cement mortar.	No	1		
	Cast iron covers and frames				
5	Type 2A cast iron manhole cover and frame size 620mm diameter bedded on top of concrete slab in cement mortar.	No	2		
	Testing				
6	Allow for testing the soil drainage and sewer plumbing installation in accordance with the National Building Regulations.		Item		
	Carried to Collection			R	

Section No. 2
Bill No. 15
EXTERNAL WORKS

PROVISIONAL BILLS OF QUANTITIES

	THE FOLLOWING IN RAINWATER TANKS AND TANKSTANDS (ALL TRADES)				
	Rainwater harvesting (Labour intensive)				
	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				
1	Reduced levels under solid floors.	m3	1		
2	Surface trenches.	m3	15		
	Excavations in earth of more difficult character				
3	Extra over excavations in earth for excavation in soft rock.	m3	2		
4	Extra over excavations in earth for excavation in hard rock.	m3	1		
	Carting away of excavated material				
5	Load surplus or unsuitable material from spoil heaps and cart away to a dumping site to be located by the Contractor.	m3	9		
	Risk of collapse of excavations				
6	Allow for risk of collapse to sides of excavations not exceeding 1.5m deep including all necessary timber shoring, etc.	m2	43		
	Keeping excavations free of water				
7	Allow for keeping the excavations free from water.		Item		
	Filling, layerworks, etc.				
8	Earth filling from the excavations and/or stockpiles in backfilling to trenches, column bases, etc., compacted to 95% Mod AASHTO dry density.	m3	7		
9	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		
	Carried to Collection			R	

Section No. 2
Bill No. 15
EXTERNAL WORKS

PROVISIONAL BILLS OF QUANTITIES

	Compaction of surfaces				
1	Scarify in-situ material to a depth of 150mm and compact to 95% Mod AASHTO density.	m2	16		
	Tests				
2	Allow for Mod AASHTO density tests on filling.	No	4.00		
	Reinforced concrete 25MPa in:				
3	Strip foundations cast against excavated surfaces.	m3	5		
4	Surface beds cast in panels including temporary formwork.	m3	2		
	Sundries				
5	Float surface of concrete to a wood float finish.	m2	16		
	Rough formwork (use and waste) to concrete to:				
6	Edge, riser, etc not exceeding 300mm high.	m	32		
	High tensile welded steel mesh reinforcement :				
7	Ref: 395 cast into concrete surfaces.	m2	14		
8	Ref: 395 cast into concrete strip footings.	m2	29		
	Brickwork in stock bricks in 5:1 cement mortar :				
9	One brick wall.	m2	15		
10	One brick wall in foundations. (Provisional)	m2	15		
	Brickwork sundries :				
11	Galvanised brick reinforcement 150mm wide built horizontally into brickwork.	m	86		
	"Rustgold FBS / Qunu Travertine " or other equal approved FBX quality face bricks including jointing and square recess pointing 6 x 10mm joints				
12	Extra over ordinary brickwork for facing and pointing in stretcher bond.	m2	15		
	Carried to Collection			R	

Section No. 2
Bill No. 15
EXTERNAL WORKS

PROVISIONAL BILLS OF QUANTITIES

1	Extra over ordinary brickwork for facing and pointing in stretcher bond in foundations. (Provisional)	m2	5		
	Face brick copings, lintols, cills, etc.				
2	Extra over brickwork for brick-on-edge header course coping including pointing to both faces and top.	m	32		
	Movement joints				
3	10mm Thick bitumen impregnated softboard built vertically between concrete and concrete or brickwork surfaces.	m2	10		
4	Rake out 10mm wide softboard for a depth of 10mm and seal with an approved 2 part polysulphide sealant.	m	18		
	Ties, cramps, etc.				
5	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	4		
6	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	16		
	250 Micron "Gunplas USB" green polyethylene sheeting :				
7	Laid flat under solid floor and over walls.	m2	14		
	Rainwater tanks:				
8	5000 Litre polyethylene rotomoulded vertical water storage tank provided complete with lid and overflow outlet , 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	4		
9	Hole through top of tank lid for 100mm diameter pipe.	No	4		
	THE FOLLOWING IN SECURITY FENCING				
	Carried to Collection			R	

Section No. 2
Bill No. 15
EXTERNAL WORKS

PROVISIONAL BILLS OF QUANTITIES

	SECURITY FENCING				
	The Contractor is to allow in his rates for any site clearance, preparation of ground, etc. in order to carry out the work successfully.				
	"Clearvu" or equally approved fencing products to be executed in strict accordance with the Manufacturer's instructions				
	Fencing				
1	High security galvanised, marine fusion bond coated, mesh fencing panel, size 3350 x 1800mm high fixed to posts (elsewhere).	No	11		
2	High security galvanised, marine fusion bond coated, mesh fencing panel, size 2300 x 1800mm high fixed to posts (elsewhere).	No	1		
	Posts				
3	Intermediate locking taper post, marine fusion bond coated, 2400mm long, with UV stabilised polymer cap including embedding in 400 x 400 x 600mm (25Mpa) concrete base including all necessary excavations, backfilling, etc.	No	11		
4	End or corner square post, marine fusion bond coated, 2400mm long, with UV stabilised polymer cap including embedding in 400 x 400 x 600mm (25Mpa) concrete base including all necessary excavations, backfilling, etc.	No	4		
5	Square gate post, marine fusion bond coated, 2400mm long, with UV stabilised polymer cap and gate mooring bracket including embedding in 400 x 400 x 600mm (25Mpa) concrete base including all necessary excavations, backfilling, etc.	No	2		
	Gates				
6	Single gate, size 1000 x 1800mm high overall formed of square section perimeter framing, rails, etc. and the gate covered with high security galvanised, marine fusion bond coated, mesh including locking mechanism, hinges, drop bolts, etc. as per manufacturer's specifications.	No	1		
	Carried to Collection			R	

Section No. 2
Bill No. 15
EXTERNAL WORKS

PROVISIONAL BILLS OF QUANTITIES

	Accessories				
1	100mm High, marine fusion bond coated, steel shark spikes in 1500mm lengths pre-drilled and bolted to top of fencing panels (elsewhere).	m	40		
2	"Union 3122" or other approved 51mm brass padlock with stainless steel shackle.	No	1		
	Sundries				
3	Extra over excavations in earth (concrete bases) for excavation in soft rock.	m3	0.1		
4	Extra over excavations in earth (concrete bases) for excavation in hard rock.	m3	0.1		
	THE FOLLOWING IN ELEVATED TANKS AND GROUND STORAGE (ALL TRADES)				
	EXCAVATIONS, FILLING, ETC.				
	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				
5	Reduced levels under solid floors.	m3	11		
	Excavations in earth of more difficult character				
6	Extra over excavations in earth for excavation in soft rock.	m3	1		
	Carting away of excavated material				
7	Load surplus or unsuitable material from spoil heaps and cart away to a dumping site to be located by the Contractor.	m3	12		
	Risk of collapse of excavations				
8	Allow for risk of collapse to sides of excavations not exceeding 1.5m deep including all necessary timber shoring, etc.	m2	10		
	Carried to Collection			R	

Section No. 2
Bill No. 15
EXTERNAL WORKS

PROVISIONAL BILLS OF QUANTITIES

	Keeping excavations free of water				
1	Allow for keeping the excavations free from water.		Item		
	Foundation courses				
2	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 under solid floors.	m3	4		
3	Imported G5 filling, selected and supplied by the Contractor, including depositing in layers not exceeding 150mm thick and compacting to 98% modified AASHTO dry density under solid floors.	m3	4		
	Compaction of surfaces				
4	Scarify in-situ material to a depth of 150mm and compact to 93% Mod AASHTO density.	m2	27		
	Tests				
5	Allow for Mod AASHTO density tests on filling.	No	2.00		
	CONCRETE (Labour intensive)				
	Reinforced concrete 30MPa (19mm stone) in:				
6	Rafter slabs cast against excavated surfaces.	m3	8		
	Testing				
7	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)	Sets	2		
	Surface treatment				
8	Float surface of concrete to a wood float finish.	m2	27		
	Carried to Collection			R	

Section No. 2
Bill No. 15
EXTERNAL WORKS

PROVISIONAL BILLS OF QUANTITIES

	FORMWORK				
	Edges, risers, ends and reveals				
1	Edge, riser, etc exceeding 300mm high.	m2	11		
	Projections, grooves, etc.				
2	Labour and material in forming 25 x 25mm chamfer to exposed top edge of concrete.	m	24		
	REINFORCEMENT (PROVISIONAL)				
	High tensile welded steel mesh reinforcement :				
3	Ref: 395 cast into concrete surfaces.	m2	27		
	PLUMBING AND DRAINAGE				
	ALTERATIONS TO EXISTING				
4	Locate, cut into and temporarily stop off 63mm diameter water pipe for insertion of reducing fitting (elsewhere).	No	2		
	Pipes, pipe fittings, etc.				
	Class 12 uPVC water supply pipe with bedding and filling in accordance with SABS 1200				
5	40mm Pipe.	m	90		
6	50mm Pipe.	m	12		
7	40mm Pipe and laying in ground not exceeding 1000mm deep.	m	10		
	Extra over uPVC pipes for the following fittings				
8	40mm Bend.	No	27		
9	50mm Bend.	No	5		
10	40mm Tee junction.	No	2		
11	63 x 40mm Straight reducer	No	2		
	Carried to Collection			R	

Section No. 2
Bill No. 15
EXTERNAL WORKS

PROVISIONAL BILLS OF QUANTITIES

	Taps, valves, etc.				
1	40mm float valve kit fitted inside of tank.	No	3		
2	40mm In-line strainer.	No	2		
3	40mm Brass gate valve.	No	3		
4	40mm Brass non return valve.	No	1		
5	40mm Flanged resilient seal gate valve with cap top.	No	2		
6	40mm Flanged pressure reducing valve.	No	1		
	Switch				
7	Float switch fitted inside of tank.	No	2		
	Connections				
	Connection of new to existing pipes				
8	Connection of 40mm diameter HDPE to 40mm diameter galvanised pipes including all necessary reducers, saddles, etc.	No	2		
9	Connection of 40mm diameter HDPE to 0.75kw water pump including all necessary reducers, saddles, etc.	No	2		
10	Connection of 63mm diameter HDPE to 40mm diameter galvanised pipes including all necessary reducers, saddles, etc.	No	1		
	Rainwater tanks:				
11	20 000 Litre polyethylene rotomoulded vertical water storage tank provided complete with lid and overflow outlet, 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	3		
12	Hole through side of tank for 40mm diameter pipe including adaptor.	No	6		
	Carried to Collection			R	

Section No. 2
Bill No. 15
EXTERNAL WORKS

PROVISIONAL BILLS OF QUANTITIES

	Ties, cramps, etc.				
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 M10 bolt and nut.	No	3		
2	38 x 1,6mm Galvanised hoop iron tie down, 2500mm 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	12		
	Water supply valve or meter chambers				
3	Excavate for and build valve chamber size 565 x 665 x 550mm deep overall formed of precast concrete valve chamber units 1, 2, 3 and 4 with valve box lid-V and 19mm thick layer of 19mm stone in bottom including filling in and ramming.	No	2		
	Pump and Pumphouse				
4	Allow the Budgetary Allowance of R 15 000,00 (Fifteen Thousand Rand) for the installation of a 0.75kw water pump including housing, etc.		Item		15,000.00
	ELECTRICAL CONNECTION				
	Elevated Tank Electrical Works				
5	Allow the Budgetary Allowance of R 30 000,00 (Thirty Thousand Rand) for the electrical supply to the water pumps, float switches, ect.		Item		30,000.00
	PROVISION OF TEMPORARY TOILETS DURING THE CONSTRUCTION PERIOD				
	Portable toilets				
6	Supply and erecting of the portable chemical toilet during the duration of the contract.	No	5		
7	Servicing and maintain the five portable chemical toilets on a weekly basis during duration of the contract. (No = week)	No	20		
8	Removal of the portable chemical toilet on completion of the contract.	No	5		
	Carried to Collection			R	

Section No. 2
Bill No. 15
EXTERNAL WORKS

PROVISIONAL BILLS OF QUANTITIES

Section No. 2

Bill No. 15

EXTERNAL WORKS

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Section No. 2
Bill No. 15
EXTERNAL WORKS

PROVISIONAL BILLS OF QUANTITIES

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7	FLOOR COVERINGS, WALL LININGS, ETC.	60		
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	Carried to Final Summary		R	

Section No. 2

PROVISIONAL BILLS OF QUANTITIES

Item No		Quantity	Rate	Amount
	SECTION NO.3 - PROVISIONAL SUMS , BUDGETARY ALLOWANCES, ECT.			
	BILL NO.1			
	PROVISIONAL SUMS, BUDGETARY ALLOWANCES, ETC.			
	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).			
	PROVISIONAL SUM			
	ELECTRICAL INSTALLATION			
1	Provided the Provisional sum of R 60 000.00 (Sixty Thousand Rand) for the refurbishment of existing electrical installations including replacing lights, plugs and sockets, ect.	Item		60,000.00
2	Add for profit on the above, if desired.	Item		
3	Allow for attendance on the above, if desired.	Item		
	COMMUNITY LIAISON OFFICER (CLO)			
4	Provide the sum of R 39 000.00 (Thirty Nine Thousand Hundred Rand) for the employment of a CLO.(R 6 500.00 per month x contract period allowance)	Item		39,000.00
5	Add for profit on the above if required.	Item		
	BUDGETARY ALLOWANCE			
	Carried to Collection		R	
	Section No. 3 Bill No. 1 PROVISIONAL SUMS, BUDGETARY ALLOWANCES,EC			
	PROVISIONAL BILLS OF QUANTITIES			

	ROOF TRUSS STRENGTHENING			
1	Allow the Budgetary Allowance of R 15 000.00 (Fifteen Thousand Rand) for the additional bracing, sizing of members, etc. to the timber roof structure to the existing buildings to repair any damaged members to the roof trusses.	Item		15,000.00
	Carried to Collection		R	

Section No. 3
Bill No. 1
PROVISIONAL SUMS, BUDGETARY ALLOWANCES,EC

PROVISIONAL BILLS OF QUANTITIES

Section No. 3

Bill No. 1

PROVISIONAL SUMS, BUDGETARY ALLOWANCES,ECT.

COLLECTION

	Page No		Amount
Total Brought Forward from Page No.	98		
	99		
Carried to Final Summary		R	

Section No. 3
Bill No. 1
PROVISIONAL SUMS, BUDGETARY ALLOWANCES,EC

PROVISIONAL BILLS OF QUANTITIES

FINAL SUMMARY

Section No		Page No		Amount
1	SECTION NO.1 - PRELIMINIARIES AND GENERAL	43		
2	SECTION NO.2 - BUILDING WORKS	97		
3	SECTION NO.3 - PROVISIONAL SUMS , BUDGETARY ALLOWANCES, ECT.	100		
	Sub - Total		R	
	CONTINGENCY PROVISIONS			
	Allow the Budgetary Provision of R 100 000.00 (One 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		100,000.00
	Sub - Total		R	
	Add Value - Added Tax at the rate applicable as at Tender closing date.		R	
	Sub - Total		R	
	Carried to Form of Tender		R	

PROVISIONAL BILLS OF QUANTITIES