

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

SECTION A: JBCC PRINCIPAL BUILDING AGREEMENT

DEFINITIONS

1 **A1.0 DEFINITIONS AND INTERPRETATION**

Clause 1.0

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

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

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

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

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

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

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

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

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

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

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

"INTEREST" means the interest rates applicable on this contract, whether specifically indicated in the relevant clauses or not, will be in terms of the legislation of the Republic of South Africa, and in particular:

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

and

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

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

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

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

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

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

Clause 1.6.4 is amended by replacing it with the following:

No clause

Fixed: _____ Value related: _____ Time related: _____

Item

OBJECTIVE AND PREPARATION

1 A2.0 OFFER, ACCEPTANCE AND PERFORMANCE

Clause 2.0

Fixed: _____ Value related: _____ Time related: _____

Item

2 A3.0 DOCUMENTS

Clause 3.0

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

Clause 3.7 is amended by the addition of the following:

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

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

Fixed: _____ Value related: _____ Time related: _____

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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	<p>A9.0 INDEMNITIES</p> <p>Clause 9.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item	
2	<p>A10.0 WORKS INSURANCES</p> <p>Clause 10.0</p> <p>Clause 10.0 is amended by the addition of the following clauses:</p> <p>10.5 Damage to the Works</p> <p>(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</p> <p>(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</p> <p>(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</p> <p>(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</p>		
	Carried to Collection		R
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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: _____

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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 <i>mutatis mutandi</i> in terms of 31.8(A) 14.1.2 The employer shall be entitled to recover expense and loss from the payment reduction in terms of 33.0 provided that the employer complies with the provisions of 33.4 in which event the employer's entitlement shall take precedence over his obligations to refund the payment reduction security or portions thereof to the contractor 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 <i>mutatis mutandi</i> 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: _____

1 A16.0 ACCESS TO THE WORKS

Clause 16.0

Fixed: _____ Value related: _____ Time related: _____

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: _____

3 A18.0 SETTING OUT OF THE WORKS

Clause 18.0

Fixed: _____ Value related: _____
Time related: _____

4 A19.0 ASSIGNMENT

Clause 19.0

Fixed: _____ Value related: _____ Time related: _____

Item

Item

Item

Item

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1	<p>A20.0 NOMINATED SUBCONTRACTORS</p> <p>Clause 20.0</p> <p>Clause 20.1.3 is amended by replacing it with the following:</p> <p>No clause</p> <p>Note: See item B9.1 hereinafter for adjustment of attendance on nominated subcontractors executing work allowed for under provisional sums</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item	
2	<p>A21.0 SELECTED SUBCONTRACTORS</p> <p>Clause 21.0</p> <p>Clause 21 is amended by replacing it with:</p> <p>No clause</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item	
3	<p>A22.0 EMPLOYER'S DIRECT CONTRACTORS</p> <p>Clause 22.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item	
4	<p>A23.0 CONTRACTOR'S DOMESTIC SUBCONTRACTORS</p> <p>Clause 23.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item	
	Carried to Collection	R	
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1	<p>A30.0 PENALTY FOR NON-COMPLETION</p> <p>Clause 30.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p>PAYMENT</p>	Item	
2	<p>A31.0 INTERIM PAYMENT TO THE CONTRACTOR</p> <p>Clause 31.0</p> <p>Clause 31.5.2 is amended by replacing "14.7.1" with "14.0 and 31.8"</p> <p>Clause 31.8 is amended by replacing it with the following two alternative clauses:</p> <p>Alternative A</p> <p>31.8(A) Where a security is selected in terms of 14.1; the value of the works in terms of 31.4.1 and materials and goods in terms of 31.4.2 shall be certified in full. The value certified shall be subject to the following percentage adjustments:</p> <p>31.8(A).1 Ninety-five percent (95%) of such value in interim payment certificates issued up to the date of practical completion</p> <p>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</p> <p>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</p> <p>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</p>		R

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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	
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	
A33.0 RECOVERY OF EXPENSE AND LOSS		
Clause 33.0		
Fixed: _____ Value related: _____ Time related: _____	Item	
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1	<p>A34.0 FINAL ACCOUNT AND FINAL PAYMENT</p> <p>Clause 34.0</p> <p>Clause 34.1 is amended by removing "#" next to 34.1</p> <p>Clause 34.2 is amended by inserting "#" next to 34.2</p> <p>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"</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item	
2	<p>A35.0 PAYMENT TO OTHER PARTIES</p> <p>Clause 35.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item	
3	<p>A36.0 CANCELLATION BY EMPLOYER - CONTRACTOR'S DEFAULT</p> <p>Clause 36.0</p> <p>Clause 36.1 is amended by the addition of the following clauses:</p> <p>36.1.3 refuses or neglects to comply strictly with any of the conditions of contract</p> <p>36.1.4 estate being sequestrated, liquidated or surrendered in terms of the insolvency laws in force within the Republic of South Africa</p> <p>36.1.5 in the judgement of the employer, has engaged in corrupt or fraudulent practices in competing for or in executing the contract</p> <p>Clause 36.3 is amended by removing the reference to "No clause" and replacing the words "principal agent" with "employer"</p>		R

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<p>Clause 36.0 is amended by the addition of the following clause:</p> <p>36.3 Remove reference to "No clause", and replace "principal agent" with "employer"</p> <p>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</p>	<p>Fixed: _____ Value related: _____ Time related: _____</p>	<p>Item</p>	<p>R</p>
<p>A37.0 CANCELLATION BY EMPLOYER - LOSS AND DAMAGE</p> <p>Clause 37.0</p> <p>Clause 37.3.5 is amended by replacing "ninety (90)" with "one hundred and twenty (120)"</p> <p>Clause 37.0 is amended by the addition of the following clause:</p> <p>37.3.5 Replace "ninety (90)" with "one hundred and twenty (120) and 38.5.4</p>	<p>Fixed: _____ Value related: _____ Time related: _____</p>	<p>Item</p>	
<p>A38.0 CANCELLATION BY CONTRACTOR - EMPLOYER'S DEFAULT</p> <p>Clause 38.0</p> <p>Clause 38.5.4 is amended by replacing "ninety (90)" with "one hundred and twenty (120)"</p> <p>Clause 38.0 is amended by the addition of the following clause:</p>			

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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 - CESSION OF THE WORKS**

Clause 39.0

Clause 39.3.5 is amended by the addition of the following at the end of the sentence:

"within one hundred and twenty (120) **working days** of completion of such a report"

Fixed: _____ Value related: _____ Time related: _____

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	<u>DISPUTE</u>		
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	
	<u>SUBSTITUTE PROVISIONS</u>		
2	A41.0 STATE CLAUSES		
	Clause 41.0		
	Fixed: _____ Value related: _____ Time related: _____	Item	
	<u>CONTRACT VARIABLES</u>		
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: _____

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	B3.0 THE SITE		
1	B3.1 Defined works area	Item	
	Fixed: _____ Value related: _____ Time related: _____		
2	B3.2 Geotechnical investigation	Item	
	Fixed: _____ Value related: _____ Time related: _____		
3	B3.3 Inspection of the site	Item	
	Fixed: _____ Value related: _____ Time related: _____		
4	B3.4 Existing premises occupied	Item	
	Fixed: _____ Value related: _____ Time related: _____		
5	B3.5 Previous work - dimensional accuracy	Item	
	Fixed: _____ Value related: _____ Time related: _____		
6	B3.6 Previous work - defects	Item	
	Fixed: _____ Value related: _____ Time related: _____		
7	B3.7 Services - known	Item	
	Fixed: _____ Value related: _____ Time related: _____		
8	B3.8 Services - unknown	Item	
	Fixed: _____ Value related: _____ Time related: _____		
9	B3.9 Protection of trees	Item	
	Fixed: _____ Value related: _____ Time related: _____		
		Carried to Collection	
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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	
3	B4.0 MANAGEMENT OF CONTRACT		
4	B4.1 Management of the works Fixed: _____ Value related: _____ Time related: R _____	Item	
5	B4.2 Programme for the works Fixed: _____ Value related: _____ Time related: _____	Item	
6	B4.3 Progress meetings Fixed: _____ Value related: _____ Time related: _____	Item	
7	B4.4 Technical meetings Fixed: _____ Value related: _____ Time related: _____	Item	
8	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	
	Carried to Collection		
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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	
4	B6.0 TEMPORARY WORKS AND PLANT 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	
Carried to Collection			
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	B7.0 TEMPORARY SERVICES		
1	B7.1 Location	Item	
	Fixed: _____ Value related: _____ Time related: _____		
2	B7.2 Water	Item	
	Fixed: _____ Value related: _____ Time related: _____		
3	B7.3 Electricity	Item	
	Fixed: _____ Value related: _____ Time related: _____		
4	B7.4 Telecommunication facilities	Item	
	Fixed: _____ Value related: _____ Time related: _____		
5	B7.5 Ablution facilities	Item	
	Fixed: _____ Value related: _____ Time related: _____		
	B8.0 PRIME COST AMOUNTS		
6	B8.1 Responsibility for prime cost amounts	Item	
	Fixed: _____ Value related: _____ Time related: _____		
	B9.0 ATTENDANCE ON N/S SUBCONTRACTORS		
7	B9.1 General attendance	Item	
	Fixed: _____ Value related: _____ Time related: _____		
8	B9.2 Special attendance	Item	
	Fixed: _____ Value related: _____ Time related: _____		
		Carried to Collection	
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1	B9.3 Commissioning - fuel, water and electricity Fixed: _____ Value related: _____ Time related: _____	Item	
2	B10.0 FINANCIAL ASPECTS 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	
6	B11.0 GENERAL 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	
	Carried to Collection		R
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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	
Carried to Collection			R
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1	B11.12 Tenant installations Fixed: _____ Value related: _____ Time related: _____	Item	
2	B12.0 SCHEDULE OF VARIABLES 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] <i>Construction documentation is complete</i>	YES	
	12.1.3 Interests of agents [2.4] Details:		
	12.1.4 Defined works area [3.1] Details:		
		Carried to Collection	
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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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<p>12.1.21 Special attendance [9.2] Subcontractor (1) details:</p> <p>Subcontractor (2) details:</p> <p>Subcontractor (3) details:</p> <p>Subcontractor (4) details:</p>			
<p>12.1.22 Protection of the works [11.1] Specific requirements:</p>			
<p>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</p>			
<p>12.1.24 Environmental disturbance [11.6] Specific requirements:</p>			
<p>12.2 POST-TENDER INFORMATION</p>			
<p>12.2.1 Payment of preliminaries [10.2] Option A (prorated)</p>	<p>NO</p>		
<p>Option B (calculated)</p>	<p>YES</p>		
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<p>12.2.2 Adjustment of preliminaries [10.3] Option A (three categories)</p>				
	NO			
<p>Option B (detailed breakdown)</p>	YES			
<p>12.2.3 Additional agreed preliminaries items Details:</p>				
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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	<p>C3.0 TRADE NAMES</p> <p>Wherever a trade name for any product has been described in the bills of quantities / lump sum document, the tenderer's attention is drawn to the fact that any other product of equal quality may be used subject to the written approval of the principal agent being obtained prior to the closing date for submission of tenders</p> <p>If prior written approval for an alternative product is not obtained, the product described shall be deemed to have been tendered for</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item	
2	<p>C4.0 HIV/AIDS AWARENESS</p> <p>It is required of the contractor to thoroughly study the HIV/AIDS Specification (PW 1544) of the Department that must be read together with and is deemed to be incorporated under this Section of the bills of quantities / lump sum document. Provision for pricing of HIV/AIDS awareness is made under items C10.1 to C10.5 hereafter and it is explicitly pointed out that all requirements of the aforementioned specification are deemed to be priced hereunder, as the said items represent the only method of measurement and no additional items or extras to the contract in this regard shall be entertained</p> <p>The contractor must take note that compliance with the HIV/AIDS Specification is compulsory. In the event of partial or total non-compliance, the principal agent, notwithstanding the provisions of clause A 31.0 of Section A or any other clause to the contrary, reserves the right to delay issuing any progress payment certificate until the contractor provides satisfactory proof of compliance. The contractor shall not be entitled to any compensation of whatsoever nature, including interest, due to such delay of payment</p>		

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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: _____
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1	Principal Contractor's time related obligations in respect of the OHS Act and Construction Regulations for the entire construction period.	Item	
2	Provision of full time Health and Safety Officer for the entire construction period.	Item	
3	Induction training of personnel.	No	
4	Provision of first aid boxes.	No	
<u>Provision for Personal Protective Equipment and Protective Clothing:</u>			
5	Reflective vests.	No	
6	Hard hats.	No	
7	Protective foot wear.	No	
8	Ear Plugs.	No	
9	Dust Masks.	No	
<u>Costs of Medical Certificates and Medical Surveillance:</u>			
10	Initial (baseline) medical examinations.	No	
11	Exit Examinations.	No	
<u>Noise Monitoring:</u>			
12	Establishment of noise zones.	No	
13	Audiograms.	No	
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Section No. 1 Bill No. 2 HEALTH AND SAFETY LOWER SEPLAN SSS PROVISIONAL BILLS OF QUANTITIES			

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<u>SECTION No. 2 - BUILDING WORKS</u>				
<u>BILL No. 1</u>				
<u>ALTERATIONS, DEMOLITIONS, ETC.</u>				
<u>Note:</u>				
For Preambles see "PW 371 - A Edition 2.1 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (Edition 2.1 July 2014).				
<u>Ordinary demolitions</u>				
Reference hereunder to cart away shall mean carting off site to a dumping site to be located by the Contractor.				
<u>BRICKWORK</u>				
1	Demolish and cart away 230mm high solider course facebrick lintol.	m	11	
<u>ROOF COVERINGS, ETC.</u>				
2	Take down and cart away galvanised IBR profile roof covering fixed to steel or timber.	m2	88	
3	Take down and cart away galvanised steel ridge capping.	m	10	
<u>CARPENTRY AND JOINERY</u>				
<u>Roof structures</u>				
4	Demolish and cart away timber purlin.	m	50	
<u>Framed, ledged and braced batten doors</u>				
5	Take out from timber frame and cart away, framed, ledged and braced batten double door size 813 x 2032mm high.	No	11	
Carried to Collection				
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<u>Skirting</u>				
1 Take down and cart away timber skirting.	m	64		
<u>Externally</u>				
2 Take down and cart away 20 x 220mm timber/fibre cement fascia board.	m	29		
3 Take down and cart away 20 x 220mm timber/fibre cement bargeboard.	m	14		
<u>CEILINGS AND PARTITIONS</u>				
<u>Internally</u>				
4 Take down and cart away fibre cement ceilings approximately 2800mm from ground level including all cornices, branding, supporting structures, etc.	m2	244		
5 Take down and cart away gypsum coved cornice.	m	77		
<u>FLOOR COVERINGS</u>				
6 Strip from concrete floors vinyl floor tiling and cart away including preparing screed for new floor covering (elsewhere).	m2	192		
<u>IRONMONGERY</u>				
<u>General ironmongery</u>				
7 Take out from steel door and cart away, cylinder or mortice lockset.	No	4		
8 Take off from steel door and cart away, lever furniture set.	No	4		
<u>Pinning Boards</u>				
9 Take down and cart away felt backing pinning boards, size approximately 5000 x 1500mm high including filling holes with cement mortar.	No	8		
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<u>GLAZING</u>				
1	Take out 4mm thick glass from galvanised steel window including preparing frame to receive new glass (elsewhere).	m2	16	
<u>REFURBISHMENT, PREPARATORY WORKS, ETC.</u>				
<u>Sundry brickwork refurbishment</u>				
2	Replace broken brick in existing face brick wall with matching brick bedded, jointed and pointed in cement mortar to match existing.	No	56	
<u>General repair work</u>				
3	Hack plaster from brickwork for a width of 100mm either side of crack, nail galvanised stretch plate over crack with steel nails at 200mm centres to receive plaster (elsewhere).	m	20	
<u>METAL WORK</u>				
<u>Servicing of windows, doors, etc.</u>				
4	Service window, size approximately 1000 x 1500mm high with one centre pivot opening light and one fixed light including ensuring smooth opening and closing and replacement of missing stays, catches, etc. as necessary to match existing.	No	31	
5	Service window, size approximately 1000 x 1000mm high with one centre pivot opening light and one fixed light including ensuring smooth opening and closing and replacement of missing stays, catches, etc. as necessary to match existing.	No	39	
6	Service and adjust existing external steel door frame, including oiling and easing hinges, preparing to receive new lock, touching up and making good.	No	11	
7	Service and adjust existing external double timber door and frame, including oiling and easing hinges, preparing to receive new lock, touching up and making good.	No	1	
Carried to Collection				
Section No. 2 Bill No. 1 ALTERATIONS LOWER SEPLAN SSS PROVISIONAL BILLS OF QUANTITIES				

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Item No		Quantity	Rate	Amount
	<u>BILL No. 3</u>			
	<u>WATERPROOFING</u>			
	<u>Note:</u>			
	For Preambles see "PW 371 - A Edition 2.1 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (Edition 2.1 July 2014).			
	<u>LIQUID WATERPROOFING (Labour intensive)</u>			
	<u>Two coats "ABE Brickseal"</u>			
1	Vertically on bagged surface of brickwork.	m ²	188	
	<u>WATERSTOPS, SEALING STRIPS, JOINT SEALANTS, ETC.</u>			
	<u>Sundry elements</u>			
2	Seal and point around metal window frames with an approved external quality sealing compound applied with a pressure caulking gun.	m	305	
	<u>Carried Forward to Summary of Section No. 2</u>			
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Item No		Quantity	Rate	Amount
	<u>BILL No. 4</u>			
	<u>ROOF COVERINGS</u>			
	<u>Note:</u>			
	For Preambles see "PW 371 - A Edition 2.1 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (Edition 2.1 July 2014).			
	<u>EXISTING ROOF COVERINGS</u>			
	<u>Roof coverings</u>			
1	The Contractor is to allow hereunder for the thorough inspection of the insitu corrugated iron roof coverings, ridge cappings, accessories, etc. to ensure water tightness and complete integrity thereof including for replacement of missing drive screws, etc.	m2	967	
	<u>PROFILED SHEETING OF METAL, FIBRE CEMENT, PLASTIC, ETC.</u>			
	<u>Metal roof sheeting</u>			
	0,58mm Thick corrugated "IBR Profile" galvanised metal roof sheeting, in single sheet lengths, with "kalahari red" finish to external face and standard backing coat to internal face :			
2	Roof sheeting laid in patches to a pitch not exceeding 25° and secured to timber purlins at approximately 1 200mm centres including turning up sheet at ridge and turning down sheet at eaves.	m2	88	
	<u>Accessories</u>			
	<u>Accessories, etc. to match roof sheeting</u>			
3	Ridge capping 550mm girth.	m	10	
4	Broad flute serrated closer including polyclosers.	m	20	
	Carried to Collection			
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	ROOF COVERINGS, ETC.			
	LOWER SEPLAN SSS			
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1	Ridge finial.	No	2		
<u>Insulation</u>					
2	"Sisalation 420" insulation laid taut over rafters at approximately 2400mm centres and fixed including galvanised steel straining wires where required.	m2	88		
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Section No. 2 Bill No. 4 ROOF COVERINGS, ETC. LOWER SEPLAN SSS PROVISIONAL BILLS OF QUANTITIES					

Item No		Quantity	Rate	Amount
	<u>BILL No. 5</u>			
	<u>CARPENTRY AND JOINERY</u>			
	<u>Note:</u>			
	For Preambles see "PW 371 - A Edition 2.1 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (Edition 2.1 July 2014).			
	<u>CARPENTRY</u>			
	<u>Purlins, bracing, etc.</u>			
	<u>Wrot softwood :</u>			
1	50 x 76mm Purlins.	m	50	
	<u>Sundries:</u>			
2	Hurricane clip fixed to purlin and rafter.	No	50	
	<u>JOINERY</u>			
	<u>Doors, windows, sashes, etc.</u>			
	<u>Wrot hardwood :</u>			
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. (D5)	No	11	
	<u>Dado Rail</u>			
4	Check timber dado rail, realign where necessary and ensure skirting is securely nailed to the wall.	m	268	
	<u>Carried to Collection</u>			
	Section No. 2			
	Bill No. 5			
	CARPENTRY AND JOINERY			
	LOWER SEPLAN SSS			
	PROVISIONAL BILLS OF QUANTITIES			

<u>Skirtings</u>				
1	Check timber skirting, realign where necessary and ensure skirting is securely nailed to the wall.	m	401	
2	16 x 76mm Wrought meranti hollow-backed skirting plugged to wall, with 19mm matching quadrant bead at junction with floor.	m	64	
<u>Plastic, fibre cement, etc.</u>				
<u>Work to existing fascia/barge boards</u>				
3	Check fibre cement fascia boards complete, including joining strips, for alignment/rigidity and where necessary replace missing screws or joining strips to existing members to leave fascia boards secure to rafters.	m	181	
4	Check fibre cement barge boards complete, including joining strips, for alignment/rigidity and where necessary replace missing screws or joining strips to existing members to leave fascia boards secure to rafters.	m	74	
<u>Pressed fibre-cement:</u>				
5	12 x 228mm Fascia board drilled and brass screwed to rafter feet including galvanised steel H-profile jointing strips, etc.	m	29	
6	80 x 275mm Barge board drilled and brass screwed to timber purlins including galvanised steel H-profile jointing strips, etc.	m	14	
Carried to Collection				
Section No. 2 Bill No. 5 CARPENTRY AND JOINERY LOWER SEPLAN SSS PROVISIONAL BILLS OF QUANTITIES				R

Item No		Quantity	Rate	Amount
	<u>BILL No. 6</u>			
	<u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u>			
	<u>Note:</u>			
	For Preambles see "PW 371 - A Edition 2.1 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (Edition 2.1 July 2014).			
	<u>INTERNAL NAILED UP CEILINGS</u>			
	<u>Work to existing ceilings</u>			
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	556	
	<u>4mm Thick fibre-cement boards with and including 6 x 32mm wrought meranti coverstrips over joints:</u>			
2	Ceilings including 38 x 50mm sawn softwood brandering at 400mm centres with cross brandering at joints, ends of sheets and at light fittings, etc.	m2	244	
	<u>Trap doors</u>			
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	2	
	<u>Cornices</u>			
	<u>Paper covered gypsum cornice with skimmed joints plugged to walls including mitres, etc.:</u>			
4	75mm Coved cornice.	m	77	
	Carried Forward to Summary of Section No. 2			
	Section No. 2			
	Bill No. 6			
	CEILINGS, PARTITIONS AND ACCESS FLOORING			
	LOWER SEPLAN SSS			
	PROVISIONAL BILLS OF QUANTITIES			
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Item No		Quantity	Rate	Amount
	<u>BILL No. 7</u>			
	<u>FLOOR COVERINGS, WALL LININGS, ETC.</u>			
	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).			
	<u>FLOOR COVERINGS</u>			
	<u>Vinyl floor coverings</u>			
	<u>300 x 300 x 2,5mm Semi-flexible reinforced vinyl quartz floor tiles</u>			
1	Sealed to prepared floors with adhesive in patches to match existing tiles.	m2	192	
	<u>Polish, sealers, etc.</u>			
	<u>Clean by stripping and sealing and apply three coats water based copolymer emulsion or other approved sealer</u>			
2	On vinyl sheet flooring.	m2	192	
3	On existing vinyl sheet flooring.	m2	562	
	Carried Forward to Summary of Section No. 2			
	Section No. 2			
	Bill No. 7			
	FLOOR COVERINGS, WALL LININGS, ETC.			
	LOWER SEPLAN SSS			
	PROVISIONAL BILLS OF QUANTITIES			
		R		

Item No		Quantity	Rate	Amount
	<u>BILL No. 8</u>			
	<u>IRONMONGERY</u>			
	<u>Note:</u>			
	For Preambles see "PW 371 - A Edition 2.1 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (Edition 2.1 July 2014).			
	<u>IRONMONGERY TO TIMBER</u>			
	<u>Hooks</u>			
1	150mm Brass cabin hook and eye screwed to and including 69 x 69 x 32mm chamfered hardwood block plugged to wall.	No	12	
	<u>Door stops</u>			
2	Black rubber door stop plugged to wall or floor.	No	15	
	<u>Locksets, etc. provided with two keys and to be masterkeyed</u>			
3	"Union Gower CZ682-24-61SC" or other equal approved satin chrome finish four lever lockset complete with chromium plated lever furniture.	No	15	
	<u>IRONMONGERY TO METALWORK</u>			
	<u>Locksets, etc. provided with two keys and to be masterkeyed</u>			
4	38mm Heavy duty brass padlock with stainless steel shackle.	No	10	
	<u>Sundries</u>			
5	50mm Plastic key tag.	No	15	
	Carried to Collection			
	Section No. 2			
	Bill No. 8			
	IRONMONGERY			
	LOWER SEPLAN SSS			
	PROVISIONAL BILLS OF QUANTITIES			
			R	

<u>PROPRIETARY KITCHEN CUPBOARDS, LOCKERS, WRITING BOARDS, SEATS, ETC.</u>		
<u>Lockers</u>		
Powder coated "Grey" steel standard two-door stationary cupboard, size 900mm wide x 450mm deep x 1800mm high, provided complete with four shelves, chromium plated locking mechanism, four times bolted to brickwork with and including 10 x 85mm long masonry anchors.	No	7
<u>Writing boards</u>		
"Parrot Products" Educational board with deluxe aluminium perimeter frame, size overall 4890 x 1230mm high, with magnetic chalkboard centre panel fitted with aluminium chalkrail, size 2420 x 1230mm high, two outer fixed leaves, each size 1220 x 1230mm high, two double sided swing leaf panels fitted with heavy duty plastic hinges, each leaf size 1210 x 1230mm high, mounted to wall with and including proprietary wall fixings.	No	7
<u>Information notice boards</u>		
"Parrot Products BD 0476" Information board with felt backing and aluminium perimeter frame, size 2400 x 1200mm high, concealed mounted to wall with proprietary wall fixings.	No	16
Carried to Collection		
Section No. 2 Bill No. 8 IRONMONGERY LOWER SEPLAN SSS PROVISIONAL BILLS OF QUANTITIES	R	

Item No		Quantity	Rate	Amount
	<u>BILL No. 11</u>			
	<u>METALWORK</u>			
	<u>Note:</u>			
	For Preambles see "PW 371 - A Edition 2.1 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (Edition 2.1 July 2014).			
	<u>STEEL</u>			
	<u>GATES</u>			
	<u>Hot dipped galvanised mild steel</u>			
1	Single gate, size 1000mm wide x 2032mm high, the leaf formed of 40 x 40 x 2.5mm wall thickness mild steel pipe framing all round with mitred and welded angles, the gate filled in with 10 x 10mm mild steel bars welded, at each end, diagonally at 45 degrees to perimeter framing at not exceeding 100mm centres, the leaf fitted with lock housing (lock elsewhere measured) formed of 2.5mm thick mild steel flat plate, including fitting with two 50 x 10mm flat bar tee brackets and 16mm round bar pin hinges, twice bolted to wall with and including M16 x 95mm galvanised coach screws.	No	9	
2	Double gate and fixed screen, size 2400mm wide x 2600mm high, each leaf formed of 40 x 40 x 2.5mm wall thickness mild steel pipe framing all round with mitred and welded angles, the gate filled in with 10 x 10mm mild steel bars welded, at each end, diagonally at 45 degrees to perimeter framing at not exceeding 100mm centres, the leaf fitted with lock housing (lock elsewhere measured) formed of 2.5mm thick mild steel flat plate, including fitting with two 50 x 10mm flat bar tee brackets and 16mm round bar pin hinges, twice bolted to wall with and including M16 x 95mm galvanised coach screws.	No	1	
	Carried to Collection			
Section No. 2 Bill No. 9 METALWORK LOWER SEPLAN SSS PROVISIONAL BILLS OF QUANTITIES			R	

<u>ROLLER SHUTTER DOORS</u>		No	1		
<u>Existing roller shutter doors</u>					
1	Service all moving parts and openings of existing roller shutter door size 6100mm x 2600mm high ensuring smooth opening and closing function.	No	1		
<u>Miscellaneous</u>					
<u>Strongroom doors</u>					
2	"Mutual DS1" or other equal approved 240kg record room door, to suit wall opening size 830 x 1935mm, including integral frame for one brick wall, supplied complete with 7-lever security keylock locking mechanism and pull handles to door and securing lugs to frame.	No	2		
Carried to Collection				R	
Section No. 2 Bill No. 9 METALWORK LOWER SEPLAN SSS PROVISIONAL BILLS OF QUANTITIES					

Section No. 2	Bill No. 9	METALWORK	<u>COLLECTION</u>	Page No	Amount
Total Brought Forward from Page No.				63	
				64	
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Item No		Quantity	Rate	Amount
	<u>BILL No. 9</u>			
	<u>PLASTERING</u>			
	<u>Note:</u>			
	For Preambles see "PW 371 - A Edition 2.1 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (Edition 2.1 July 2014).			
	<u>SCREEDS</u>			
	<u>GRANOLITHIC</u>			
	<u>1:3 Cement screeds and paving</u>			
1	25mm Thick screed in patching to floors.	m2	127	
	<u>PLASTER</u>			
	<u>One coat internal 1:4 cement plaster on :</u>			
2	Brick wall in narrow widths not exceeding 300mm wide.	m2	34	
3	Walls in patching.	m2	93	
	<u>One coat external 1:5 cement plaster on :</u>			
4	Brick wall in narrow widths not exceeding 300mm wide.	m2	27	
	<u>Carried Forward to Summary of Section No. 2</u>			
	Section No. 2			
	Bill No. 10			
	PLASTERING			
	LOWER SEPLAN SSS			
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Item No		Quantity	Rate	Amount
	<u>BILL No. 10</u>			
	<u>PLUMBING AND DRAINAGE (PROVISIONAL)</u>			
	<u>Note:</u>			
	For Preambles see "PW 371 - A Edition 2.1 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (Edition 2.1 July 2014).			
	<u>GUTTERS, ETC</u>			
	<u>Roof gutters, rainwater pipes, etc.</u>			
	<u>Work to existing aluminium gutters</u>			
1	Check aluminium gutter to ensure water tightness and complete integrity including, stop ends, bends, outlets, ect .	m	181	
2	Check aluminium downpipes to ensure water tightness and complete integrity including,shoes, bends, outlets, ect .	m	42	
	<u>White uPVC guttering, downpipes and accessories</u>			
3	125mm Half round eaves gutters fixed to fascia at maximum 600mm centres with and including proprietary fixings.	m	7	
4	Extra over eaves gutter for stopped end.	No	1	
5	Extra over eaves gutter for outlet for 80mm diameter downpipe.	No	2	
6	80mm Diameter rainwater pipes in continuous lengths fixed to timber gumpoles with and including proprietary holderbats.	m	5	
7	Extra over rainwater pipe for bend.	No	2	
	Carried to Collection			
Section No. 2				
Bill No. 11				
PLUMBING AND DRAINAGE				
LOWER SEPLAN SSS				
PROVISIONAL BILLS OF QUANTITIES				

<u>0.8mm Thick powder coated seamless aluminium rainwater gutters, downpipes and accessories</u>				
1	125 x 85mm Gutter fixed to fascia at maximum 600mm centres with and including proprietary fixings.	m	5	
2	Extra over aluminium gutter for forming discharge outlet to suit 90 x 90mm downpipe.	No	2	
3	Extra over gutter for stopped end.	No	2	
4	75 x 100mm Rainwater downpipe fixed to wall with and including proprietary holderbats.	m	10	
5	Extra over rainwater downpipe for bend.	No	2	
6	Extra over rainwater downpipe for shoe.	No	1	
<u>Fire fighting equipment</u>				
<u>Portable fire extinguishers:</u>				
7	4.5 Kg carbondioxide portable fire extinguisher complete with full load, wall hook and bracket, bracket fixed to and including 25 mm wrot Meranti backboard, size 100 x 520mm high with chamfered edges, varnished and fixed to wall.	No	7	
Carried to Collection				
Section No. 2 Bill No. 11 PLUMBING AND DRAINAGE LOWER SEPLAN SSS PROVISIONAL BILLS OF QUANTITIES				

Item No		Quantity	Rate	Amount
	<u>BILL No. 11</u>			
	<u>GLAZING</u>			
	<u>Note:</u>			
	For Preambles see "PW 371 - A Edition 2.1 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (Edition 2.1 July 2014).			
	<u>GLAZING</u>			
	<u>GLAZING TO STEEL WITH PUTTY</u>			
	6,38mm Thick normal strength clear laminated safety glass:			
1	In panes exceeding 0,1m ² and not exceeding 0,5m ² in area.	m ²	16	
	<u>Sundries</u>			
2	Rake out putty from galvanised steel window frame and replace with new.	m	140	
	Carried Forward to Summary of Section No. 2			
	Section No. 2			
	Bill No. 12			
	GLAZING			
	LOWER SEPLAN SSS			
	PROVISIONAL BILLS OF QUANTITIES			

Item No		Quantity	Rate	Amount
	<u>BILL No. 12</u>			
	<u>PAINTWORK</u>			
	<u>Note:</u>			
	For Preambles see "PW 371 - A Edition 2.1 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (Edition 2.1 July 2014).			
	<u>REDECORATION OF EXISTING</u>			
	<u>PREVIOUSLY PAINTED CONCRETE, PLASTER, ETC</u>			
	<u>Scrape down loose or peeling paint, clean off surface contaminants with a sugar soap solution, allow to dry, stop all holes, minor cracks, etc. and apply one coat plaster primer and two coats exterior acrylic emulsion sheen paint on:</u>			
1	External plastered walls.	m2	5	
2	External smooth plastered walls in narrow widths not exceeding 300mm wide.	m2	25	
	<u>Scrape down loose or peeling paint, clean off surface contaminants with a sugar soap solution, allow to dry, stop all holes, minor cracks, etc. and apply one coat plaster primer and two coats interior washable acrylic washable emulsion sheen paint on:</u>			
3	Internal plastered walls.	m2	938	
4	Internal smooth plastered walls in narrow widths not exceeding 300mm wide.	m2	48	
	<u>Prepare and apply, on previously high pressure cleaned surface, two coats quality granolithic floor paint on:</u>			
5	Floors.	m2	135	
	Carried to Collection			
Section No. 2 Bill No. 13 PAINTWORK LOWER SEPLAN SSS PROVISIONAL BILLS OF QUANTITIES			R	

PREVIOUSLY PAINTED GYPSUM PLASTERBOARD		
<u>Scrape down loose or peeling paint, clean off surface contaminants with a sugar soap solution, allow to dry, stop all holes, minor cracks, etc. and apply one coat plaster primer and two coats interior acrylic emulsion sheen paint on:</u>		
Internal ceiling boarding.	m2	588
PREVIOUSLY PAINTED FIBRE CEMENT		
<u>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:</u>		
External cill not exceeding 300mm girth.	m	67
<u>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:</u>		
Internal cill not exceeding 300mm girth.	m	67
<u>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:</u>		
Fascias and barge boards.	m2	71
PREVIOUSLY PAINTED METALWORK		
<u>Scrape down loose or peeling paint, remove all traces of rust, clean off surface contaminants with a sugar soap solution, allow to dry and apply galvanised iron primer (where necessary) and two coats super universal enamel paint on:</u>		
Steel windows with burglar bars (both sides measured).	m2	162
Steel door frames.	m2	26
IBR corrugated steel roof sheeting.	m2	967
Carried to Collection		
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PAINTWORK		
LOWER SEPLAN SSS		
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Carried to Collection

Section No. 2

Section No.

**BR N. 10
PAINTWORK**

LOWER SEPLAN SSS

PROVISIONAL BILLS OF QUANTITIES

<u>Scrape down loose or peeling paint, remove all traces of rust, clean off surface contaminants with a sugar soap solution, allow to dry and apply galvanised iron primer (where necessary) and two coats super universal enamel paint on:</u>			
Steel tubular support columns.	m2	45	
<u>PREVIOUSLY PAINTED TIMBER</u>			
<u>Sand down painted surface to bare timber and apply one coat exterior primer, one coat undercoat and two coats flat enamel paint on:</u>			
General surfaces of timber rafters, beams, etc.	m2	104	
General surfaces of roof timbers not exceeding 300mm girth.	m	403	
<u>Sand down varnished surface to bare timber and apply one coat exterior primer, one coat undercoat and two coats flat enamel paint on:</u>			
Surfaces of framed ledged and braced batten doors.	m2	11	
Surfaces of composite framed glazed panel doors, side and fanlight assemblies.	m2	9	
Frames and linings.	m2	5	
<u>Sand down varnished surface to bare timber and apply two coats interior quality clear matt varnish on:</u>			
Skirtings not exceeding 300mm girth.	m	669	
<u>NEW WORKS</u>			
<u>PAINT ON TIMBER</u>			
<u>Prepare and apply three coats exterior quality clear polyurethane varnish on :</u>			
Skirtings, cornices or rails not exceeding 300mm girth.	m	64	
Carried to Collection			
Section No. 2			
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PAINTWORK			
LOWER SEPLAN SSS			
PROVISIONAL BILLS OF QUANTITIES			

Carried to Collection

Section No. 2

Bill No. 13

BRN NO. 10 PAINTWORK

LOWER SEPLAN SSS

**LOWER SEVERN 333
PROVISIONAL BILLS OF QUANTITIES**

<u>Prepare and apply one coat pink wood primer, one undercoat and two coats water based eggshell enamel on :</u>						
1	Surfaces of framed, ledged and braced batten doors.		m2	44		
<u>PAINT ON FIBRE-CEMENT</u>						
<u>Prime nail heads and H-section jointing strips and apply one coat universal undercoat and two coats eggshell enamel paint on :</u>						
2	Internal fibre cement board ceilings including priming cover strips.		m2	244		
<u>PAINT ON METALWORK</u>						
<u>One coat steel etch primer, one coat universal undercoat and two coats gloss enamel paint on :</u>						
5	Steel gates (both sides measured).		m2	49		
Carried to Collection						
Section No. 2 Bill No. 13 PAINTWORK LOWER SEPLAN SSS PROVISIONAL BILLS OF QUANTITIES						

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Item No		Quantity	Rate	Amount
	<u>BILL No. 13</u>			
	<u>EXTERNAL WORKS (PROVISIONAL)</u>			
	<u>Note:</u>			
	For Preambles see "PW 371 - A Edition 2.1 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (Edition 2.1 July 2014).			
	<u>DEMOLITIONS AND SITE CLEARANCE</u>			
	<u>Demolitions</u>			
	<u>Fencing</u>			
1	Take down and cart away stock fencing, 1800mm high, including excavating out steel intermediate, corner or straining posts, at approximately 3000mm centres, prepare holes to receive new poles.(elsewhere)	m	80	
	<u>SECURITY FENCING PERIMETER OF SITE</u>			
	<u>Fencing</u>			
	The Contractor is to allow for, in his rates, for any necessary site clearance or preparation of ground for the fencing installation.			
2	Six strands of 4mm galvanised straining wires (evenly spaced) secured to straining posts with doubled 2mm galvanised wire inserted through hole in post and turned a minimum of four turns around straining wire and attached to straining frame at one end with not less than four turns at the other end to and including 12mm diameter straining eye bolts.	m	80	
3	Fencing formed of 100 x 50 x 2.5mm diameter Class A galvanised "Secumesh" security fence 1.8m high with vertical wires facing outwards secured with "Howgring" clips applied with "Howgring" pliers at 300mm centres to top and bottom straining wires and 500mm centres to four intermediate straining wires (elsewhere).	m	80	
	Carried to Collection			
	Section No. 2 Bill No. 14 EXTERNAL WORKS LOWER SEPLAN SSS PROVISIONAL BILLS OF QUANTITIES		R	

1	500mm Diameter flat wrap of galvanised razor barbed tape wire fixed vertically to and including two rows of double stranded barbed wire to top of security fence and secured to straining wire (elsewhere) with and including 2.5mm diameter galvanised binding wire at 300mm centres. <u>Hot dipped galvanised steel posts, etc.</u>	m	80		
2	60mm Diameter x 2.5mm wall thickness intermediate fencing post, 2700mm long fitted with pressed steel mushroom cap, the post fitted with 150 x 150 x 5mm baseplate at bottom and embedded in 350 x 350 x 600mm mass concrete (15 MPa) base including all necessary excavations, backfilling, concrete, etc.	No	20		
3	100mm Diameter x 3mm wall thickness end or corner post 2700mm long fitted with pressed steel mushroom cap and one 60mm diameter x 2mm wall thickness raking stay, the post and stay fitted with 150 x 150 x 5mm baseplate at bottom and embedded in 350 x 350 x 600mm mass concrete (15 MPa) base, including all necessary excavations, backfilling, concrete, etc.	No	4		
4	100mm Diameter x 3mm wall thickness intermediate straining or corner post 2700mm long fitted with pressed steel mushroom cap, but fitted with two 60mm diameter x 2mm wall thickness galvanised steel raking stays, the post and stays fitted with 150 x 150 x 5mm baseplate at bottom and embedded in 350 x 350 x 600mm mass concrete (15 MPa) base, including all necessary excavations, backfilling, concrete, etc.	No	2		
Carried to Collection					
Section No. 2 Bill No. 14 EXTERNAL WORKS LOWER SEPLAN SSS PROVISIONAL BILLS OF QUANTITIES					

<u>Hot dipped galvanised steel gates</u>			
1	Security fence single gate, size 1 000mm wide x 1 800mm high, formed of 50mm diameter nominal bore x 3.25mm wall thickness hot dipped galvanised mild steel pipe framing all round with mitred and welded angles and cross braces, mullion and transome, scribed and welded into angles and cross intersections, with two 50mm nominal bore x 3.25mm wall thickness security posts each 600mm long with one end welded to top rail of gate and closure plate to the other end, the gate covered with 50 x 50 x 3.15mm weld mesh with four straining wires as before described and with four 2.37mm fourpoint core diameter single "Kampeon" wires with crimped droppers to security posts as before described; including 500mm diameter flat wrap razor barbed tape wire fixed as before described; leaf fitted with three 24mm diameter x 300mm long eyebolt hinges and stops including all holes, etc., welded or bolted to adjoining galvanised gatepost with and including 500mm long approved chain spot welded to gate and "Union 3122" padlock.	No	1
2	Security fence double gate, size 3000mm wide x 1800mm high, in two equal leaves, each leaf 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.	No	1
	<u>Steel gates and hinges bolted to walls (P.C. Amount R5 000.00/No), including all panels, framework, bolts, locks, etc.</u>		
3	Single gate, size 1000 x 2100mm wide.	No	1
	<u>Steel doors and hinges bolted to walls (P.C. Amount R8 000.00/No), including all panels, framework, bolts, locks, etc.</u>		
4	Double gate, size 2000 x 2100mm wide.	No	1
	<u>Sundries</u>		
5	25mm Diameter x 100mm long galvanised steel dropbolt keep, cast flush in surface bed, including forming necessary mortice and grouting in.	No	1
	<u>Carried to Collection</u>		R
	Section No. 2 Bill No. 14 EXTERNAL WORKS LOWER SEPLAN SSS PROVISIONAL BILLS OF QUANTITIES		

Carried to Collection

Section No. 2

Section No.

**Bill No. 11
EXTERNAL WORKS**

LOWER SEPLAN SSS

LOWER SIEVEAN 300 PROVISIONAL BILLS OF QUANTITIES

1 Mass concrete (15MPa) base, size 200 x 200 x 200mm deep, with 25mm diameter x 100mm galvanised sleeve cast in flush with ground level, to receive towerbolt (elsewhere), including all necessary excavations, etc.

No	1		
		R	

Carried to Collection

Section No. 2

Bill No. 14

EXTERNAL WORKS

LOWER SEPLAN SSS

PROVISIONAL BILLS OF QUANTITIES

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Item No		Quantity	Rate	Amount
	<u>SECTION NO.3 - TEMPORARY STRUCTURES</u>			
	<u>BILL No.1</u>			
	<u>TEMPORARY FACILITIES</u>			
	<u>Note:</u>			
	For Preambles see "PW 371 - A Edition 2.1 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (Edition 2.1 July 2014).			
	<u>DEMOLITIONS AND SITE CLEARANCE</u>			
	<u>Site clearance</u>			
1	Clear the areas to be developed of all rubbish, debris, vegetation, shrubs, bush and small trees not exceeding 200mm girth and remove from site.	m2	250	
2	Strip topsoil, average 150mm thick, including depositing in stockpiles on site for later re-use.	m3	33	
	<u>EXCAVATIONS, FILLING, ETC.</u>			
	<u>OPEN FACE EXCAVATIONS</u>			
3	Open face excavation in earth in cutting and filling in levelling including compacting of the site.	m3	125	
	<u>Carting away of excavated material</u>			
4	Load surplus or unsuitable material from spoil heaps and cart away to a dumping site to be located by the Contractor.	m3	125	
	<u>Compaction of surfaces</u>			
5	Rip prepared platform level and recompact to 93% Mod. A.A.S.H.T.O. density.	m2	250	
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Tests			
1 Allow for Mod AASHTO density tests on filling.	No	2.00	
PREFABRICATED BUILDINGS			
<u>Construction Notes:</u>			
Platforms to be prepared by the main contractor			
All construction materials are to be SABS or AGREMENT South Africa Certified'.			
Prefabricated systems are to be presented to the Principal Agent for approval before construction commences.			
Prefabricated structures to be places on adjustable jacks and concrete pads as per the manufactures specifications.			
Chassis construction must run the full length and full width of the unit and consist of structurally welded steel chassis with minimum of 2 x 200 x 75 x 20 x 3mm lip channel longitudinal main members running the length of the building at 1640mm centres, 75 x 50 x 20 x 2.5mm lipped channel cross members set at maximum of 600mm centres. Steps and ramps to be supplied where applicable. All structural steel is to be coated with one coat red oxide primer and two coats latex paint.			
The chassis is to fixed to the adjustable jack trusses			
Floor construction to be constructed from 18mm 7-Ply rotary cut pine bonded under heat and hydraulic pressure with exterior grade adhesive. All floors to have 6mm groove feather join screwed to chassis cross members with 12 x 45mm galvanized wing tex screws.			
Floor finishers to classroom units to be covered with 2.5mm vinyl floor sheeting.			
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External walls to be constructed of 42mm Chromadeck composite laminated polyurethane core panel interlocking system with tongue and groove interlocking joints sealed with an approved silicon sealant including fixing panels mechanically to base rail as per manufacturers specifications.

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

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

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

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

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

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

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

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

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

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

each door to be fitted with the following :

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

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

All lock sets are to be master keyed.

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

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

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

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

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

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

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

Units to be provided with magnetic chalkboards and pinning boards.

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

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<p>Main contractor to provide the electrical main supply to the prefabricated units and connect to the pre-wired units.</p> <p>The Contractor shall prepare his own shop details. Immediately on receipt of the Architect's drawings, the Contractor shall satisfy himself that the design drawings contain all the information required for the preparation of the shop details. The said shop details and other drawings shall be submitted in duplicate to the Architect for approval at least 1 week before commencement of fabrication. The Contractor's drawings shall be complete in every respect and shall be checked by the Contractor prior to submission. One copy of each drawing will be retained by the Architect and, within 1 week after the date of receipt by the Architect, the other copy will be returned to the Contractor with the Architect comments or written approval, as the case may be. Before the commencement of fabrication, the Contractor shall obtain from the Architect approval of the shop drawings, in writing. The approval given by the Architect relates to structural adequacy and does not absolve the Contractor from the responsibility for dimensional accuracy.</p>				
<p><u>Prefabricated Units</u></p> <p>Note: The contractor is to take note of all the items above when pricing the prefabricated structure.</p> <p>The contractor will be liable for the completion of any item that is not supplied by the prefabrication sub contractor.</p>	1	Supply, transport and erect of a classroom block size 6980 x 7060mm, internal area of 48m ² .	No	2

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BUDGETARY ALLOWANCE			
ELECTRICAL INSTALLATION			
Allow the Budgetary Allowance of R 50 000.00 (Fifty Thousand Rand) for the re-routing of the main electrical supply to the temporary prefabricated units. (To be detailed at a later stage)	Item		50,000.00
RELOCATION OF TEMPORARY FACILITIES			
<u>Uplifting</u>			
Carefully uplift prefabricated classroom unit, size 6980 x 3060mm x 3000mm high and prepare for transportation including disconnection the electricity supply.	No	2	
<u>Transport</u>			
Note : Item below measured as per cost per a kilometre (NO = KM) 300km allowance for travelling distance.			
Transport prefabricated classroom unit, size 6980 x 3060mm x 3000mm high to new site to be confirmed by the client.	No	600	
<u>Installation</u>			
Take from transport existing prefabricated classroom unit, size 6980 x 3060mm x 3000mm high and install in position identified by the architect including allowing for site clearance, concrete jack pads, connection of the electrical, water and sewer connection to the main supply.	No	2	
<u>Damage Allowance</u>			
Allow the Provisional Sum of R 50 000.00 (Fifty Thousand Rand) for repair or replacement of components to the prefabricated structures to be supplied by the original manufacturer.	Item		50,000.00
Add for profit on the above.	Item		
Allow for attendance upon the specialist installation subcontractor.	Item		
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<u>COLLECTION</u>			
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Total Brought Forward from Page No.	82		
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Item No		Quantity	Rate	Amount
	<u>SECTION NO.4 - PROVISIONAL SUMS, BUDGETARY ALLOWANCES, ECT.</u>			
	<u>BILL NO.1</u>			
	<u>Note:</u>			
	For Preambles see "PW 371 - A Edition 2.1 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (Edition 2.1 July 2014).			
	<u>PROVISIONAL SUM</u>			
	<u>JOINERY FITTINGS</u>			
1	Provided the Provisional sum of R 100 000.00 (One Hundred Thousand Rand) for the replacement of existing joinery fittings.	Item		100,000.00
2	Add for profit on the above, if desired.	Item		
3	Allow for attendance on the above, if desired.	Item		
	<u>ELECTRICAL INSTALLATION</u>			
4	Provided the Provisional sum of R 200 000.00 (Two Hundred Thousand Rand) for the refurbishment of existing electrical installations including replacing lights, plugs and sockets, ect.	Item		200,000.00
5	Add for profit on the above, if desired.	Item		
6	Allow for attendance on the above, if desired.	Item		
	<u>MECHANICAL INSTALLATION</u>			
7	Provide the Provisional Sum of R 10 000.00 (Ten Thousand Rand) for the supply, delivery and installation of fridge freezer combination unit.	Item		10,000.00
8	Add for profit on the above, if desired.	Item		
	Carried to Collection			
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1	Allow for attendance upon the specialist installation subcontractor.	Item		
<u>GAS INSTALLATION</u>				
2	Provide the Provisional Sum of R 50 000.00 (Fifty Thousand Rand) for the supply, delivery and installation of gas piping reticulation complete including pipework, gas burner stoves, valves, bottles, cages, etc. to be undertaken by a specialist firm.	Item		50,000.00
3	Add for profit on the above, if desired.	Item		
4	Allow for attendance upon the specialist installation subcontractor.	Item		
<u>COMMUNITY LIAISON OFFICER (CLO)</u>				
5	Provide the sum of R 45 000.00 (Forty Five Thousand Hundred Rand) for the employment of a CLO.(R 7 500.00 per month x contract period allowance)	Item		45,000.00
6	Add for profit on the above if required.	Item		
<u>BUDGETARY ALLOWANCE</u>				
<u>REPAIRS TO EXISTING VIP TOILETS</u>				
7	Allow the Budgetary Allowance of R 150 000.00 (One Hundred and Fifty Thousand Rand) for the repairs and renovations to newly built VIP toilets, to be detailed at a later stage.	Item		150,000.00
<u>SIGNAGE</u>				
8	Allow the Budgetary Allowance of R 5 000.00 (Five Thousand Rand) for the replacing of the main building signage.	Item		5,000.00
<u>ROOF TRUSS STRENGTHENING</u>				
9	Allow the Budgetary Allowance of R 15 000.00 (Fifteen Thousand Five Hundred 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
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<u>REFURBISHMENT OF EXISTING SANITARY FITTINGS</u>			
Allow the Budgetary Allowance of R 10 000.00 (Ten Thousand Five Hundred Rand) for the repairs and replacement of the existing sanitary fittings including water supply and soil drainage.	Item		10,000.00
Carried to Collection			
R			
Section No. 4 Bill No. 1 PROVISIONAL SUMS, BUDGETARY ALLOWANCES,EC LOWER SEPLAN SSS PROVISIONAL BILLS OF QUANTITIES			

