

DEFINITIONS

1 **A1 DEFINITIONS AND INTERPRETATION**

Clause 1.0

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

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

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

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

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

"CONSTRUCTION PERIOD" means the period commencing on the date of acceptance of tender as stated in the **agreement** and ending on the date of **practical completion**

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

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

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

"FRAUDULENT PRACTICE" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of any tenderer and 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 "**Principal Agent**" is amended by replacing it with the following:

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

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

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

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

Clause 1.6.4 is amended by replacing it with the following:

No clause

Fixed: _____ Value related: _____ Time related: _____

Item

OBJECTIVE AND PREPARATION

2 **A2 OFFER, ACCEPTANCE AND PERFORMANCE**

Clause 2.0

Fixed: _____ Value related: _____ Time related: _____

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3 **A4 DESIGN RESPONSIBILITY**

Clause 4.0

Clause 4.3 is amended by replacing it with the following:

No clause

Fixed: _____ Value related: _____ Time related: _____

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4	<p>A5 EMPLOYER’S AGENTS</p> <p>Clause 5.0</p> <p>Clause 5.1.2 is amended to include clauses 32.6.3, 34.3, 34.4 and 38.5.8</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item	
5	<p>A6 SITE REPRESENTATIVE</p> <p>Clause 6.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item	
6	<p>A7 COMPLIANCE WITH REGULATIONS</p> <p>Clause 7.0</p> <p>Note: A seperate clause has been included in Section C: Specific Preliminaries of the bills of quantities / lump sum document for the contractor to have the oppurtunity to price for all the requirements of the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item	
7	<p>A8 WORKS RISK</p> <p>Clause 8.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item	
8	<p>A9 INDEMNITIES</p> <p>Clause 9.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item	
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A10 WORKS INSURANCES

Clause 10.0

Clause 10.0 is amended by the addition of the following clauses:

10.5 Damage to the Works

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

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 neglect of any person for whose actions the **employer** is legally liable

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- (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 neglect of any person for whose actions the **employer** is legally liable
- (c) The **contractor** shall, upon receiving a **contract instruction** from the **principal agent**, cause the same to be made good in a perfect and workmanlike manner at his own cost and in default thereof the **employer** shall be entitled to cause it to be made good and to recover the cost thereof from the **contractor** or to deduct the same from amounts due to the **contractor**
- (d) The **contractor** shall be responsible for the protection and safety of such portions of the premises placed under his control by the **employer** for the purpose of executing the **works** until the issue of the **certificate of practical completion**
- (e) Where the execution of the works involves the risk of removal of or interference with support to adjoining properties including land or structures or any structures to be altered or added to, the **contractor** shall and will remain adequately insured or insured 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**

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10.7 High risk insurance

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

10.7.1 Damage to the works

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

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

10.7.2 Injury to persons or loss of or damage to property

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

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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

10 **A11 LIABILITY INSURANCES**

Clause 11.0

Fixed: _____ Value related: _____ Time related: _____

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11	A12 EFFECTING INSURANCES			
	Clause 12.0			
	Fixed: _____ Value related: _____ Time related: _____	Item		
12	A13.0 <i>No clause</i>	N/A		
13	A14 SECURITY			
	Clause 14.0			
	Clauses 14.1 - 14.8 are amended by replacing them with the following:			
	14.1 In respect of contracts with a contract sum up to R1 million, the security to be submitted by the contractor to the employer will be as a payment reduction of five per cent (5%) of the value certified in the payment certificate (excluding VAT)			
	14.1.1 The payment reduction of the value certified in a payment certificate shall be <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 In respect of contracts with a contract sum above R1 million, the contractor shall have the right to select the security to be provided in terms of 14.3, 14.4, 14.5, 14.6, or 14.7 as stated in the schedule . Such security shall be provided to the employer within twenty-one (21) calendar days from commencement date . Should the contractor fail to select the security to be provided or should the contractor fail to provide the employer with the selected security within twenty-one (21) calendar days from commencement date , the security in terms of 14.7 shall be deemed to have been selected.			
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- 14.3** Where **security** as a cash deposit of ten per cent (10%) of the **contract sum** (excluding VAT) has been selected:
- 14.3.1 The **contractor** shall furnish the **employer** with a cash deposit equal in value to ten per cent (10%) of the **contract sum** (excluding VAT) within twenty-one (21) **calendar days** from **commencement date**
- 14.3.2 Within twenty-one (21) **calendar days** of the date of **practical completion** of the **works** the **employer** shall reduce the cash deposit to an amount equal to three per cent (3%) of the **contract value** (excluding VAT), and refund the balance to the **contractor**
- 14.3.3 Within twenty-one (21) **calendar days** of the date of **final completion** of the **works** the **employer** shall reduce the cash deposit to an amount equal to one per cent (1%) of the **contract value** (excluding VAT) and refund the balance to the **contractor**
- 14.3.4 On the date of payment of the amount in the final **payment certificate**, the **employer** shall refund the remainder of the cash deposit to the **contractor**
- 14.3.5 The **employer** shall be entitled to recover expense and loss from the cash deposit in terms of 33.0 provided that the **employer** complies with the provisions of 33.4 in which event the **employer's** entitlement shall take precedence over his obligations to refund the cash deposit **security** or portions thereof to the **contractor**
- 14.3.6 The parties expressly agree that neither the **employer** nor the **contractor** shall be entitled to cede the rights to the deposit to any third party
- 14.4** Where **security** as a variable construction guarantee of ten percent (10%) of the **contract sum** (excluding VAT) has been selected:

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- 14.4.1 The **contractor** shall furnish the **employer** with an acceptable variable **construction guarantee** equal in value to ten per cent (10%) of the **contract sum** (excluding VAT) within twenty-one (21) **calendar days** from **commencement date**
- 14.4.2 The variable **construction guarantee** shall reduce and expire in terms of the Variable Construction Guarantee form included in the invitation to tender
- 14.4.3 The **employer** shall return the variable **construction guarantee** to the **contractor** within fourteen (14) **calendar days** of it expiring
- 14.4.4 Where the **employer** has a right of recovery against the **contractor** in terms of 33.0, the **employer** shall issue a written demand in terms of the variable **construction guarantee**
- 14.5** Where **security** as a fixed **construction guarantee** of five per cent (5%) of the **contract sum** (excluding VAT) and a five per cent (5%) payment reduction of the value certified in the **payment certificate** (excluding VAT) has been selected:
- 14.5.1 The **contractor** shall furnish a fixed **construction guarantee** to the **employer** equal in value to five per cent (5%) of the **contract sum** (excluding VAT)
- 14.5.2 The fixed **construction guarantee** shall come into force on the date of issue and shall expire on the date of the last certificate of **practical completion**
- 14.5.3 The **employer** shall return the fixed **construction guarantee** to the **contractor** within fourteen (14) **calendar days** of it expiring
- 14.5.4 The payment reduction of the value certified in a **payment certificate** shall be in terms of 31.8 (A) and 34.8

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- 14.5.5 Where the **employer** has a right of recovery against the **contractor** in terms of 33.0, the **employer** shall be entitled to issue a written demand in terms of the fixed **construction guarantee** or may recover from the payment reduction or may do both
- 14.6** Where **security** as a cash deposit of five per cent (5%) of the **contract sum** (excluding VAT) and a payment reduction of five per cent (5%) of the value certified in the **payment certificate** (excluding VAT) has been selected:
- 14.6.1 The **contractor** shall furnish the **employer** with a cash deposit equal in value to five per cent (5%) of the **contract sum** (excluding VAT) within twenty-one (21) **calendar days** from **commencement date**
- 14.6.2 Within twenty-one (21) **calendar days** of the date of **practical completion** of the **works** the **employer** shall refund the cash deposit in total to the **contractor**
- 14.6.3 The payment reduction of the value certified in a **payment certificate** shall be *mutatis mutandi* in terms of 31.8(A)
- 14.6.4 Where the **employer** has a right of recovery against the **contractor** in terms of 33.0, the **employer** may issue a written notice in terms of 33.4 or may recover from the payment reduction or may do both
- 14.7** Where **security** as a payment reduction of ten per cent (10%) of the value certified in the **payment certificate** (excluding VAT) has been selected:
- 14.7.1 The payment reduction of the value certified in a **payment certificate** shall be *mutatis mutandi* in terms of 31.8(B)

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

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

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

Fixed: _____ Value related: _____ Time related: _____

Item

EXECUTION

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

Clause 15.0

Clause 15.1.1 is amended by replacing it with:

No Clause

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

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

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

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	<p>Give the contractor possession of the site within ten (10) working days of the contractor complying with the terms of 15.1.4</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>			
15	<p>A16 ACCESS TO THE WORKS</p> <p>Clause 16.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item		
16	<p>A17 CONTRACT INSTRUCTIONS</p> <p>Clause 17.0</p> <p>Clause 17.1.1 is amended by replacing "and the appointment of nominated and selected sub-contractors" with "and the appointment of selected sub-contractors"</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item		
17	<p>A18 SETTING OUT OF THE WORKS</p> <p>Clause 18.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item		
18	<p>A19 ASSIGNMENT</p> <p>Clause 19.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item		
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19	<p>A20 NOMINATED SUB-CONTRACTORS</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		
20	<p>A21 SELECTED SUB-CONTRACTORS</p> <p>Clause 21.0</p> <p>Note: See item B9.1 hereinafter for adjustment of attendance on selected sub-contractors executing work allowed for under provisional sums</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item		
21	<p>A22 EMPLOYER'S DIRECT CONTRACTORS</p> <p>Clause 22.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item		
22	<p>A23 CONTRACTOR'S DOMESTIC SUBCONTRACTORS</p> <p>Clause 23.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item		
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COMPLETION

23 **A24 PRACTICAL COMPLETION**

Clause 24.0

Fixed: _____ Value related: _____ Time
related: _____

Item

24 **A25 WORK'S COMPLETION**

Clause 25.0

Fixed: _____ Value related: _____ Time
related: _____

Item

25 **A26 FINAL COMPLETION**

Clause 26.0

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

Fixed: _____ Value related: _____ Time
related: _____

Item

26 **A27 LATENT DEFECTS LIABILITY PERIOD**

Clause 27.0

Fixed: _____ Value related: _____ Time
related: _____

Item

27 **A28 SECTIONAL COMPLETION**

Clause 28.0

Fixed: _____ Value related: _____ Time
related: _____

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28	<p>A29 REVISION OF DATE FOR PRACTICAL COMPLETION</p> <p>Clause 29.0</p> <p>Clause 29.2.5 is amended by replacing it with:</p> <p>No clause</p> <p>Clause 29.5 is amended by replacing "sixty (60)" with "twenty (20)"</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>				
29	<p>A30 PENALTY FOR NON-COMPLETION</p> <p>Clause 30.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p><u>PAYMENT</u></p>	Item			
30	<p>A31 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"</p> <p>Clause 31.8 is amended by replacing it with the following two alternative clauses:</p> <p>Alternative A</p> <p>31.8(A) Where a security is selected in terms of 14.1; 14.5 or 14.6, the value of the works in terms of 31.4.1 and materials and goods in terms of 31.4.2 shall be certified in full. The value certified shall be subject to the following percentage adjustments:</p> <p>31.8(A).1 Ninety-five per cent (95%) of such value in interim payment certificates issued up to the date of practical completion</p>	Item			
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31.8(A).2 Ninety-seven per cent (97%) of such value in interim **payment certificates** issued on the date of **practical completion** and up to but excluding the date of **final completion**

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

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

Alternative B

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

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

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

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

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

Clause 31.12 is amended by deleting the following:

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

Fixed: _____ Value related: _____ Time related: _____

31 **A32 ADJUSTMENT TO THE CONTRACT VALUE**

Clause 32.0

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

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

Fixed: _____ Value related: _____ Time related: _____

Item

32 **A33 RECOVERY OF EXPENSE AND LOSS**

Fixed: _____ Value related: _____ Time related: _____

Item

33 **A34 FINAL ACCOUNT AND FINAL PAYMENT**

Clause 34.0

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

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

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

Clause 34.13 is amended by replacing "seven (7) **calendar days**" with "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: _____

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34	<p>A35 PAYMENT TO OTHER PARTIES</p> <p>Clause 35.0</p> <p>Fixed:_____ Value related:_____ Time related:_____</p> <p><u>CANCELLATION</u></p>	Item		
35	<p>A36 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> <p>Clause 36.0 is amended by the addition of the following clause:</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>	Item		
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36 **A37 CANCELLATION BY EMPLOYER - LOSS AND
DAMAGE**

Clause 37.0

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

Clause 37.0 is amended by the addition of the following
clause:

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

Fixed: _____ Value related: _____ Time
related: _____

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37 **A38 CANCELLATION BY CONTRACTOR -
EMPLOYER'S DEFAULT**

Clause 38.0

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

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

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

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38	<p>A39 CESSATON - CANCELLATION OF THE WORKS</p> <p>Clause 39.0</p> <p>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 report"</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item			
39	<p>A40 DISPUTE SETTLEMENT</p> <p>Clause 40.0</p> <p>Clause 40.2.2 is amended by replacing "one (1) year" with "three (3) years"</p> <p>Clause 40.6 is amended by removing the reference to:</p> <p>No clause</p> <p>Clause 40.7.1 is amended by replacing "(10)" with "(15)" and by the addition of the following:</p> <p>Whether or not mediation resolves the dispute, the parties shall bear their own cost concerning the mediation and equally share the costs of the mediator and related costs</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p><u>SUBSTITUTE PROVISIONS</u></p>	Item			
40	<p>A41 STATE CLAUSES</p> <p>Clause 41.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p><u>CONTRACT VARIABLES</u></p>	Item			
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THE SCHEDULE

A42 PRE-TENDER INFORMATION

Clause 42.0

Tenderers are referred to the "Contract Variables" as scheduled hereunder for variables pertaining to this contract

Fixed: _____ Value related: _____ Time related: _____

Item

CONTRACT VARIABLES

THE SCHEDULE

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 the **agreement**

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

42.0 PRE-TENDER INFORMATION

42.1 CONTRACTING AND OTHER PARTIES

42.1.1 Employer

Development Bank of South Africa (DBSA)

Tel: 011 313 3026

Contact person: Head of Department or his nominee

[1.2] Physical address:

1258 Lever Road
Headway Hill
Midrand
1685

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42.2 CONTRACT DETAILS

42.2.1 Works description:

*Maintenance of existing classrooms, toilets,
administration blocks etc.*

42.2.1 Site description:

Louisiana Primary School

42.2.3 Work or installations by direct contractors:

Details: None

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42.2.4	Specific options that are applicable to a State organ only				
[41.0]	Where so:				
[1.1#]	(1) Interest rate legislation:				
[31.11.2#] [31.12.2#]	In respect of interest owed by the employer , the interest rate applicable will be 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 In respect of interest owed to the employer , the interest rate applicable will be 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				
[11.2#]	(2) Lateral support insurance to be effected by the contractor: NO				
[31.4.2#]	(3) Payment will be made for materials and goods: YES				
[40.2.2#]	(4) Dispute resolution by litigation: YES				
[26.1.2#]	(5) Extended defects liability period applicable to the following elements: N/A				
42.2.5 [15.2.1#]	Possession of the site is to be given on: Within Five (5) working days of the contractor complying with the terms of 15.1.4				
<p style="text-align: right;">Carried to Collection</p> <p>Section No. 1 PRELIMINARIES Bill No. 1 PRELIMINARIES</p>				R	

42.2.6	Period for the commencement of the works after the contractor takes possession of the site:				
[15.3]	Immediately after contract has been signed				
42.2.7	The date for practical completion and the penalty per calendar day for the works as a whole:				
[24.3.1]	The date for practical completion shall be 6 months from the commencement date				
[30.1]	The penalty per calendar day shall be as per notes to tenderer's				
42.2.8	The date for practical completion and the penalty per calendar day for the works in sections :				
[24.3.1]	Section 1:				
[28.1]	<i>Details</i>				
42.2.9	The law applicable to this agreement shall be that of:				
[1.2]	Republic of South Africa				
42.3	INSURANCES				
42.3.1	Contract works insurance:				
[10.1#, 10.2#, 12.1#]	To be effected by: Contractor For the sum of: Minimum value of the contract sum plus 10% With the deductible of: Not exceeding 5% of each and every claim				
42.3.2	Supplementary insurance is required: YES To the minimum value of the contract sum plus 10%				
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42.3.3 [11.1#, 12.1#]	Public liability insurance: To be effected by: Contractor For the sum of: R 10 000 000-00 With the deductible of: Not exceeding 5% of each and every claim				
42.3.4 employer: [11.2#, 12.1#]	Support insurance to be effected by the NO				
42.4 DOCUMENTS					
42.4.1 [3.3#, 15.1.3, 31.16.2#]	Waivers of contractor's lien or right of continuing possession is required: Not applicable (No clause)				
42.4.2 [3.7#]	Construction document copies to be supplied to the contractor free of charge: Three (3) copies of the construction documents				
42.4.3	Bills of quantities/Lump sum document schedule of drawn up with: Standard System of Measuring Building Work (Seventh edition)				
42.4.4 [15.1.1]	On acceptance of the tender the bills of quantities is to be submitted: Not applicable (No clause)				
42.4.5 [3.4]	JBCC Engineering General Conditions are to be included in the contract documents : NO				
42.4.6	The contract value is to be adjusted using CPAP indices:				
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[31.5.3]	No				
[32.13]	Where CPAP is applicable, the contract sum will be adjusted in accordance with the JBCC Contract Price Adjustment Provisions (CPAP) as set out in the CPAP Indices Application Manual as prepared by the JBCC Series 2000, code 2118, dated May 2005 and any amendments thereto:				
1)	Glass, etc. measured in specialist section Metalwork, will be adjusted in terms of the index for that workgroup unless specifically stated otherwise in the bills of quantities				
2)	All electrical installations in buildings and power ditribution systems shall be adjusted in terms of the index Workgroup 160, Electrical Installations. Uninterruptible power supplies, elevators, escalators and hoists, generating sets, motor-alternator sets and intercommunication systems, shall be adjusted in terms of the Workgroup 170, Mechanical Services				
3)	With reference to Workgroup 190 a proportion of the value ralated preliminaries, pro-rata to the amount of work excluded from the adjustment, shall be excluded from Contract Price Adjustment Provisions if Option A has been selected for the adjustment of Preliminaries				
4)	Further to clause 3.4.4 of the CPAP Indices Application Manual, the listing of additional items for exclusion by tenderers will not be permitted				
5)	Where V results in a negative amount after application of the formula in clause 8.3 of the CPAP Indices Application Manual, the factor of 0,55 shall be substituted by 1,45				
	Altenative Indices: Not applicable				
42.4.7	Details of changes made to the				
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**[3.10]
Note:**

provision of JBCC standard
documentation:

***The amended clauses, with relevant
item and page numbers, are
scheduled hereunder. Refer to each
applicable clause for the exact extent
of amendments and/or additions
made***

Clause:	Item:	Page:
1.1	1	1
1.6	1	2
1.6.4	1	3
3.2.1	3	3
3.7	3	3
3.10	3	3
4.3	4	3
5.1.2	5	3
10.5	10	4
10.6	10	5
10.7	10	6
14.1 to 14.9	14	7 to 10
15.1	15	10
15.1.1	15	10
15.1.2	15	10
15.2.1	15	10
17.1.11	17	11
20.1.3	20	11
26.1.2	26	12
29.2.5	29	12
31.5.2	31	13
31.8	31	13
31.12	31	14
32.5.1	32	14
32.5.4	32	14
32.5.7	32	14
34.1	34	14
34.2	34	14
34.8	34	14
34.13	34	14
36	36	15
36.1	36	15
36.3	36	15
37	37	15
37.3.5	37	15
38	38	16
38.5.4	38	16
39.3.5	39	16
40.2.2	40	17
40.6	40	17
40.7.1	40	17

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42.0 POST-TENDER INFORMATION

Note: All information for this section requires consultations with the **contractor**.
The **principal agent** shall not pre-select any of the alternatives available to the **contractor**

42.5 CONTRACT DETAILS

42.5.1 Contractor:

Postal address:
.....

Tel:
.....

Fax:
.....

Tax/VAT Registration number:
.....

Physical address:
.....
.....
.....

42.5.2 The accepted **contract sum, inclusive of tax, is:**

R

Amount is words:
.....

.....
.....

.....
.....

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42.5.3	The latest day of the month for the issue of an interim payment certificate :				
[31.3]				
42.5.4	The preliminaries amounts shall be paid in terms of:				
[
-	Alternative A:	YES			
-	Alternative B:	NO			
42.5.5	The preliminaries amounts shall be adjusted in terms of:				
[32.12]					
-	Alternative A:	YES			
-	Alternative B:	NO			
42.5.6	Not applicable/No clause:				
[3.1]					
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42.5.7 The security to be provided by the contractor:
[14]

(a) in respect of contracts up to R1 million, the contractor will provide security in terms of 14.1

(b) in respect of contracts above R1 million, the contractor will provide as security, one of the following:

(1) cash deposit of 10% of the contract sum (excluding VAT)

YES/NO

(2) variable construction guarantee of 10% of the contract sum (excluding VAT)

YES/NO

(3) payment reduction of 10% of the value certified in the payment certificate (excluding VAT)

YES/NO

(4) cash deposit of 5% of the contract sum (excluding VAT) and a payment reduction of 5% of the value certified in the payment certificate

YES/NO

(5) fixed construction guarantee of 5% of the contract sum (excluding VAT) and a payment reduction/retention of 5% of the value certified in the payment certificate (excluding VAT)

YES/NO

Guarantee submitted must be issued by either an insurance company duly registered in terms of the Short Term Insurance Act, 1998 (Act No 35 of 1998) or by a bank duly registered in terms of the Bank Act, 1990 (Act No 94 of 1990), all in accordance with the pro-forma documents to be provided. No alterations or amendments of the wording of the pro-forma will be accepted

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42.5.8 The annual holiday period after the commencement date of the **construction period**:
[29.7.2]
From:
..... to

42.6 DOCUMENTS

42.6.1 Contract documents marked and annexed hereto:

- Priced **bills of quantities:** YES/NO
Document marked as:
.....
- **Lump sum document:** YES/NO
Document marked as:
.....
- **Guarantee:** YES/NO
Document marked as:
.....
- **Contract drawings:** YES/NO
Document marked as:
.....
- **Other documents:** YES/NO
(*If "Yes", specify:)
.....

42.7 DISPUTE RESOLUTION

Not applicable/No clause

Also refer to previous clause 42.2.4 [40.2.2#] in this regard

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**42.8 SIGNATURES OF THE CONTRACTING
PARTIES**

- This done and signed at
.....
on
.....
Name of signatory:
.....
For and behalf of the **Employer** who by
signature hereof warrants authorisation hereto:

.....
.....
As Witness:

.....
.....
- This done and signed at
.....
on
.....
Capacity of signatory:
.....
For and behalf of the **Contractor** who by
signature hereof warrants authorisation hereto:

.....
.....
As Witness:

.....
.....

SECTION B: JBCC PRELIMINARIES

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B1 DEFINITIONS AND INTERPRETATION

42 **B1.1 Definitions and interpretation**

Fixed: _____ Value related: _____ Time
related: _____

Item

B2 DOCUMENTS

43 **B2.1 Checking of documents**

Fixed: _____ Value related: _____ Time
related: _____

Item

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

Fixed: _____ Value related: _____ Time
related: _____

Item

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

Fixed: _____ Value related: _____ Time
related: _____

Item

46 **B2.4 Interests of agents**

Fixed: _____ Value related: _____ Time
related: _____

Item

47 **B2.5 Priced documents**

Fixed: _____ Value related: _____ Time
related: _____

Item

48 **B2.6 Tender submission**

Fixed: _____ Value related: _____ Time
related: _____

Item

B3 THE SITE

49 **B3.1 Defined works area**

Fixed: _____ Value related: _____ Time
related: _____

Item

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50	B3.2 Geotechnical investigation Fixed: _____ Value related: _____ Time related: _____	Item		
51	B3.3 Inspection of the site Tenderers shall complete the Compulsory Site Inspection Certificate (Returnable Schedule No 12) included in the tender documents and return the same with the tender submission Fixed: _____ Value related: _____ Time related: _____	Item		
52	B3.4 Existing premises occupied Fixed: _____ Value related: _____ Time related: _____	Item		
53	B3.5 Previous work - dimensional accuracy Fixed: _____ Value related: _____ Time related: _____	Item		
54	B3.6 Previous work - defects Fixed: _____ Value related: _____ Time related: _____	Item		
55	B3.7 Services - known Fixed: _____ Value related: _____ Time related: _____	Item		
56	B3.8 Services - unknown Fixed: _____ Value related: _____ Time related: _____	Item		
57	B3.9 Protection of trees Fixed: _____ Value related: _____ Time related: _____	Item		
58	B3.10 Articles of value Fixed: _____ Value related: _____ Time related: _____	Item		
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59	B3.11 Inspection of adjoining properties Fixed: _____ Value related: _____ Time related: _____	Item		
	<u>B4 MANAGEMENT OF CONTRACT</u>			
60	B4.1 Management of the works Fixed: _____ Value related: _____ Time related: _____	Item		
61	B4.2 Programme for the works Fixed: _____ Value related: _____ Time related: _____	Item		
62	B4.3 Progress meetings Fixed: _____ Value related: _____ Time related: _____	Item		
63	B4.4 Technical meetings Fixed: _____ Value related: _____ Time related: _____	Item		
64	B4.5 Labour and plant records Fixed: _____ Value related: _____ Time related: _____	Item		
	<u>B5 SAMPLES, SHOP DRAWINGS AND MANUFACTURERS' INSTRUCTIONS</u>			
65	B5.1 Samples of materials Fixed: _____ Value related: _____ Time related: _____	Item		
66	B5.2 Workmanship samples Fixed: _____ Value related: _____ Time related: _____	Item		
67	B5.3 Shop drawings Fixed: _____ Value related: _____ Time related: _____	Item		
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68	B5.4 Compliance with manufacturers' instructions Fixed: _____ Value related: _____ Time related: _____	Item		
	<u>B6 TEMPORARY WORKS AND PLANT</u>			
69	B6.1 Deposits and fees Fixed: _____ Value related: _____ Time related: _____	Item		
70	B6.2 Enclosure of the works Fixed: _____ Value related: _____ Time related: _____	Item		
71	B6.3 Advertising Fixed: _____ Value related: _____ Time related: _____	Item		
72	B6.4 Plant, equipment, sheds and offices Fixed: _____ Value related: _____ Time related: _____	Item		
73	B6.5 Main notice board Fixed: _____ Value related: _____ Time related: _____	Item		
74	B6.6 Subcontractors' notice board Fixed: _____ Value related: _____ Time related: _____	Item		
	<u>B7 TEMPORARY SERVICES</u>			
75	B7.1 Location Fixed: _____ Value related: _____ Time related: _____	Item		
76	B7.2 Water Fixed: _____ Value related: _____ Time related: _____	Item		
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[illegible]

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85	B10.2 Payment for preliminaries Fixed: _____ Value related: _____ Time related: _____	Item		
86	B10.3 Adjustment of preliminaries Fixed: _____ Value related: _____ Time related: _____	Item		
87	B10.4 Payment certificate cash flow Fixed: _____ Value related: _____ Time related: _____	Item		
	<u>B11 GENERAL</u>			
88	B11.1 Protection of the works Fixed: _____ Value related: _____ Time related: _____	Item		
89	B11.2 Protection / isolation of existing / sectionally occupied works Fixed: _____ Value related: _____ Time related: _____	Item		
90	B11.3 Security of the works Fixed: _____ Value related: _____ Time related: _____	Item		
91	B11.4 Notice before covering work Fixed: _____ Value related: _____ Time related: _____	Item		
92	B11.5 Disturbance Fixed: _____ Value related: _____ Time related: _____	Item		
93	B11.6 Environmental disturbance Fixed: _____ Value related: _____ Time related: _____	Item		
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94	B11.7 Works cleaning and clearing Fixed: _____ Value related: _____ Time related: _____	Item		
95	B11.8 Vermin Fixed: _____ Value related: _____ Time related: _____	Item		
96	B11.9 Overhand work Fixed: _____ Value related: _____ Time related: _____	Item		
97	B11.10 Instruction manuals and guarantees Fixed: _____ Value related: _____ Time related: _____	Item		
98	B11.11 As built information Fixed: _____ Value related: _____ Time related: _____	Item		
99	B11.12 Tenant installations Fixed: _____ Value related: _____ Time related: _____	Item		
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100	<p>B12 SCHEDULE OF VARIABLES</p> <p>B12.1 Pre-tender information</p> <p><i>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</i></p> <p><i>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 references clauses are italicised in [] brackets.</i></p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p>12.1 PRE TENDER INFORMATION</p> <p>12.1.1 Provisional Bills of Quantities</p> <p>[2.2] The quantities are provisional</p> <p style="text-align: right;">NO</p> <p>12.1.2 Availability of construction documentation</p> <p>[2.3] Construction documentation is complete</p> <p style="text-align: right;">YES</p> <p>12.1.3 Interest of agents</p> <p>[2.4] Details: See clause 42.1.2</p> <p>12.1.4 Defined works area</p> <p>[3.1] Details: See clause 42.2.1</p> <p>12.1.5 Geotechnical investigation</p> <p>[3.2] Details: N/A</p> <p>12.1.6 Existing premises occupied</p> <p>[3.4] Specific requirements: YES</p> <p>12.1.7 Previous work - dimensional accuracy</p> <p>[3.5] Details: N.A.</p> <p style="text-align: right;">Carried to Collection</p> <p>Section No. 1 PRELIMINARIES Bill No. 1 PRELIMINARIES</p>	Item		
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12.1.8 **Previous work - defects**

[3.6] Details: N.A.

12.1.9 **Services - known**

[3.7] Details: N.A.

12.1.10 **Protection of trees**

[3.9] Specific requirements: *No trees to be removed without approval by client*

12.1.11 **Inspection of adjoining properties**

[3.11] Specific requirements: N.A.

12.1.12 **Enclosure of the works**

[6.2] Specific requirements: N.A.

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.

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 2770mm wide x 3700mm high, constructed of suitable boarding with flat smooth surface on a suitable square tubular steel sub-frame and fixed to and including a suitable supporting structure of timber or tubular posts and braces. All painting to and wording on the board shall be in accordance to the prescribed colour scheme and lettering type, all in accordance to the drawing included in the "Supplementary Information" section (which is bound at the back of this document)

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101	12.1.15 Subcontractors' notice board [6.6] Specific requirements:	NO			
	12.1.16 Water [7.2] Option A (by contractor)	YES			
	Option B (by employer - free of charge)	NO			
102	Option C (by employer - metered)	NO	Item		
	12.1.17 Electricity [7.3] Option A (by contractor)	YES			
	Option B (by employer - free of charge)	NO			
103	Option C (by employer - metered)	NO	Item		
	12.1.18 Telecommunications [7.4] Telephone	YES			
	Facsimile	YES			
	E-mail	YES	Item		
	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 works**

[11.1] Specific requirements: *N.A.*

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: *N.A.*

B12.2 POST-TENDER INFORMATION

All post-tender information for this section will be determined once tender is awarded

12.2.1 **Payment of preliminaries**

[10.2] Option A (prorated) YES

Option B (calculated) NO

12.2.2 **Adjustment of preliminaries**

[10.3] Option A (three categories) YES

Option B (detailed breakdown) NO

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

104 **C1 CONTRACT DRAWINGS**

Save for the drawings included in the "Supplementary Information" section (which is bound at the back of this document), no other drawings are issued with the tender documents. A complete set of drawings indicating the exact scope of work can be viewed, during normal office hours, at the offices of the **principal agent**.

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

Fixed: _____ Value related: _____
Time related: _____

Item

105 **C2 GENERAL PREAMBLES**

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

Fixed: _____ Value related: _____
Time related: _____

Item

106 **C3 TRADE NAMES**

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

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

Fixed: _____ Value related: _____
Time related: _____

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107	<p>C4 IMPORTED MATERIALS AND EQUIPMENT</p> <p>Where imported items are listed in the tender documents, the tenderer shall provide all the information called for, failing which the price of any such item, materials or equipment shall be excluded from currency fluctuations.</p> <p>Notwithstanding any provisions elsewhere regarding the adjustment of contract prices, the price of any item, material or equipment listed in terms of this clause shall be excluded from the Contract Price Adjustment Provisions (if applicable)</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item			
108	<p>C5 VIEWING THE SITE IN SECURITY AREAS</p> <p>The site is situated in a security area and the tenderer must arrange with the unit commander or other responsible officer to obtain permission to enter the site for tendering purposes</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item			
109	<p>C6 COMMENCEMENT OF WORKS IN SECURITY AREAS</p> <p>As the works falls within a security area the contractor must give the unit commander or other responsible officer notice before commencement of the works. Should the contractor fail to make such arrangements, admission to the site may be refused and any additional costs will be for the contractor's account</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item			
Carried to Collection			R		
Section No. 1 PRELIMINARIES Bill No. 1 PRELIMINARIES					

110	<p>C7 ENTRANCE PERMITS TO SECURITY AREAS</p> <p>As the works falls within a security area the contractor shall obtain entrance permits for his personnel and workmen entering the area and shall comply with all regulations and instructions which may be issued from time to time regarding the protection of persons and property under the control of the Defence Force, Police or chief security officer</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item		
111	<p>C8 SECURITY CHECK OF PERSONNEL</p> <p>The principal agent may require the contractor to have his personnel and workmen, or a certain number of them, security classified</p> <p>In the event of the principal agent requesting the removal of a person or persons from the works for security reasons, the contractor shall do so forthwith and shall thereafter ensure that such person or persons are denied access to the works and the site and/or to any document or information relating to the works</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item		
112	<p>C9 PROHIBITION ON TAKING OF PHOTOGRAPHS</p> <p>In terms of article 119 of the Defence Act, 44 of 1957, it is prohibited to sketch or to take photographs of any military site or installation or any building or civil works thereon or to be in possession of a camera or other apparatus used for taking of photographs except when authorized thereto by or on behalf of the Minister</p> <p>The same prohibition is also applicable to all correctional institutions in terms of article 44.1(e) of the Correctional Services Act 8 of 1959</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item		
Carried to Collection			R	
Section No. 1 PRELIMINARIES Bill No. 1 PRELIMINARIES				

C10 HIV/AIDS AWARENESS

It is required of the **contractor** to thoroughly study the HIV/AIDS Specification (PW 1544) of the Department that must be read together with and is deemed to be incorporated under this Section of the Bills of Quantities. Provision for pricing of HIV/AIDS awareness is made under items C10.1 to C10.5 hereafter and it is explicitly pointed out that all requirements of the afore-mentioned 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 of "Section 1: Preliminaries" 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

113

C10.1 AWARENESS CHAMPION

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

Fixed: _____ Value related: _____
Time related: _____

Item

Carried to Collection

R

Section No. 1
PRELIMINARIES
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114	<p>C10.2 AWARENESS WORKSHOPS</p> <p>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</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item		
115	<p>C10.3 POSTERS, BOOKLETS, VIDEOS, ETC.</p> <p>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</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item		
116	<p>C10.4 ACCESS TO CONDOMS</p> <p>Provision and maintenance of condom dispensers fixed in position, including male and female condoms, replenishing male and female condoms on a daily basis as required for the duration of the construction period, all in accordance with the HIV/AIDS Specification</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item		
117	<p>C10.5 MONITORING</p> <p>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</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item		
Carried to Collection			R	
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[Service Provider should include any other necessary
Project Specific Preliminaries here]

118 **C11 OCCUPATIONAL HEALTH AND SAFETY ACT**

The **contractor** shall comply with all the requirements set out in the Construction Regulations 2014, issued under the Occupational Health and Safety Act, 1993 (Act No 85 of 1993).

It is required of the **contractor** to thoroughly study the Health and Safety Specification that must be read together with and is deemed to be incorporated under this section of the **bills of quantities**.

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

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

Fixed: _____ Value related: _____
Time related: _____

Item

Carried to Collection

R

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PRELIMINARIES
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PRELIMINARIES

LOUISIANA PRIMARY SCHOOL REPLACEMENT OF ASBESTOS PROGRAMME

Section No. 1 PRELIMINARIES Bill No. 1 PRELIMINARIES <u>COLLECTION</u>				
Total Brought Forward from Page No.	Page No			Amount
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LOUISIANA PRIMARY SCHOOL REPLACEMENT OF ASBESTOS PROGRAMME

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<u>COLLECTION</u>			
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LOUISIANA PRIMARY SCHOOL REPLACEMENT OF ASBESTOS PROGRAMME

[illegible]

**LOUISIANA PRIMARY SCHOOL
REPLACEMENT OF ASBESTOS PROGRAMME**

Item No		Quantity	Rate	Amount
	<u>SECTION 2</u>			
	<u>BUILDING WORK</u>			
	<u>BILL NO 1</u>			
	<u>ALTERATIONS</u>			
	For preambles see "Construction works: Specifications: General Specification (PW 371-A) Edition 2.0"			

	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Taking out and removing, grubbing up roots and filling holes.</u>			
	Unless otherwise stated, all materials from the alterations and demolition will belong to the builder.			
	The builder should allow for the removal of all debris from site and keeping the site clean at all times.			
	The Contractor should allow for removing of rubble from site on daily basis, failing which the client might stop the construction until the site has been cleaned.			
	NATURE OF WORK: Tenderers are advised to visit the site and to satisfy themselves as to the nature and extent of the work to be done and provide in their tenders any items not specifically mentioned which they may deem necessary for the proper completion of the work. Tenderers are advised that the existing building will be in occupation during the progress of the work and due allowance must be made for work being carried out at such times and in such manner as will least interfere with the routine of the occupants and as may be directed by the Quantity Surveyor.			
	NATURE OF WORK: Tenderers are advised to visit the site and thoroughly acquaint themselves with the nature of demolitions, the nature and the extent the work to be done and adequate provisions are to be made in tendered rates for items not specifically mentioned which they may deem necessary for the proper completion of the work			
	Carried to Collection		R	
	Section No. 2			
	BUILDING WORKS			
	Bill No. 1			
	Alterations			

SCHOOL TO REMAIN OPERATIONAL: Tenderers are to note that all existing buildings of the facility will remain occupied and fully operational during the construction period and due allowance must be made for the work being carried out at such times and in such manner as directed by the Principal Agent to ensure the least interference with the routine of the School.

EXISTING SERVICES: Special care is to be taken by the Contractor not to interfere unnecessarily with existing services. Should the contractor encounter any existing services such as underground cables, pipes or sewers during the execution of the works he shall notify the Principal Agent immediately and suspend all affected work in the immediate vicinity until such have been dealt with (i.e. removed, disconnected, re-routed, etc) and instruction to proceed with the work has been given by the Principal Agent

The Contractor shall afford every facility to Specialist which might be employed by the Principal Agent to effect the necessary removal, disconnection, re-routing, etc of services as might be required.

The Contractor will be held solely responsible for any damages to persons or property and for the safety of the structures throughout the whole of this Contract and shall make good at his own expense any such damages arising out of his failure to adhere to the aforesaid requirement.

OLD MATERIAL:

Unless specifically otherwise described, all other old materials from demolitions are to become the property of the CONTRACTOR, therefore, tendered rates for demolitions must cater for adequate credit in this regard.

It will be expected from the Contractor that all old materials not required, rubble, rubbish, etc. to be immediately carted away and site left clean and unencumbered at all times.

MEASUREMENT: Measurement given are approximate and the Contractor is advised to view the site and existing structures to be demolished and to thoroughly acquaint himself with the extent of the work to be done.

Any errors to the tendered rates in this regard shall be Contractor's expense as no claims in this regard will be entertained afterwards

Carried to Collection

R

Section No. 2
BUILDING WORKS
Bill No. 1
Alterations

TENDER: The submission of a tender will imply that the Contractor has physically visited the site and fully understands the content and extent of the work described in this Bill and, therefore, accepts that no claims in this respect will thus be entertained afterwards.

DIMENSIONS The Contractor is advised to take all dimensions affecting the existing buildings on the site, as he will be held solely responsible for all new work being of the correct size.

PIPES, ETC Special care is to be taken not to interfere unnecessarily with any supply pipes or other piping that may be met with and found necessary to disconnect or cut, are to be effectively stopped off and any new connections that may be necessary are to be made with proper fittings and to the satisfaction of the QS to whom due notice must be given of any alterations to the existing services.

PROTECTION In taking down and removing existing work the utmost care is to be observed to avoid any structural or other damage to the remaining portions of the buildings. The Contractor must also protect all work not removed such as walls, floors, doors, windows or other joinery, loose and fixed fittings and electrical appliances, etc. from damage during the progress of the work and provide all necessary materials for doing so. The Contractor will be held solely responsible for any damage to persons or property and for the safety of the structure throughout the whole of this Contract and must make good at his own expense any damage that may occur.

CREDITS, ETC Old materials from the pulling down (except such as described to be re-used) are to become the property of the CONTRACTOR. Old materials for re-use are to be carefully removed, stored and protected from injury including making good any damaged or defective parts as required before fixing. Old materials described to be handed over are to be carefully removed and neatly stacked on site where directed. The remainder of the old materials and all rubbish to be immediately carted away and the site left clean and unencumbered. None of the old stock bricks from the pulling down are to be re-used for any new work.

MATERIALS, ETC The materials to be used and work to be done to be similar in all respects to that described for new work insofar as they concur. All work in making good is to be properly jointed to the existing.

Carried to Collection

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Section No. 2
BUILDING WORKS
Bill No. 1
Alterations

**LOUISIANA PRIMARY SCHOOL
REPLACEMENT OF ASBESTOS PROGRAMME**

TEMPORARY BARRIERS, SCREENS, ETC

Temporary barriers, screens, etc including removal

- | | | | |
|---|--|---|-----|
| 1 | Shade netting barrier 2000mm high formed of steel channel section rails, etc | m | 665 |
|---|--|---|-----|

REMOVAL OF EXISTING WORK

DEMOLITIONS ETC

- | | | | |
|---|---|----|---|
| 2 | 1500mm Diameter tank stand, 500mm high including tank, tank fittings, etc | No | 6 |
|---|---|----|---|

Taking down and removing

- | | | | |
|---|--|---|-------|
| 3 | Steel diamond mesh fence 1.8m high with steel posts and droppers | m | 1 119 |
|---|--|---|-------|

Taking down and removing roofs, floors, panelling, ceilings, partitions, etc.

- | | | | |
|---|---|----|-------|
| 4 | Removal of existing roof coverings, timber trusses and purlins, asbestos roof sheeting by the specialist, ceilings and cornices, eaves, fascias, barge boards, gutters and rainwater pipes (NB: Asbestos roof sheeting to be removed by the specialist) | m2 | 1 213 |
| 5 | Ceilings and cornices in patches | m2 | 642 |

Hacking up/off and removing granolithic, screeds, plaster, etc from concrete or brickwork and preparing surfaces for new screed, plaster, tile finishes, etc

- | | | | |
|---|---|----|-------|
| 6 | 40mm Screed from floors, including vinyl floor covering | m2 | 1 109 |
|---|---|----|-------|

Hacking up/off and remove ceramic tiles including mortar bed or adhesives from the concrete or brickwork and preparing the surface for new screed, plaster, tile finish etc

- | | | | |
|---|-----------------|----|-----|
| 7 | Tiles to floors | m2 | 163 |
|---|-----------------|----|-----|

Breaking up and removing unreinforced concrete

- | | | | |
|---|-------|----|----|
| 8 | Steps | m3 | 13 |
|---|-------|----|----|

Carried to Collection

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Section No. 2
BUILDING WORKS
Bill No. 1
Alterations

**LOUISIANA PRIMARY SCHOOL
REPLACEMENT OF ASBESTOS PROGRAMME**

9	100mm Thick surface bed	m2	138		
	<u>Taking out and removing doors, windows, fittings, including ironmongery etc from brickwork including making good cement plaster on both sides (making good paintwork elsewhere)</u>				
10	Timber Door with fanlight approximately size 830 x 2400mm high	No	35		
	<u>Taking out and removing sundry joinery work, fittings, etc</u>				
11	Chalkboards size approximately 4800mm x 1200mm.	No	16		
	<u>Take out and remove damaged gutters, etc</u>				
12	PVC gutters	m	996		
13	PVC Downpipes	m	88		
	<u>SERVICING OF SANITARY FITTINGS</u>				
14	Fixing of taps on wash hand basin (WHB)	No	12		
15	Fix the flushing system on the stainless steel urinals (size 2800mmx 1100mm) and leave in good working condition.	No	4		
16	Search for any leakage on the piping and fix any leakage and leave it in good working conditions		Item		
	<u>REMEDIAL WORK TO EXISTING</u>				
17	Repair to straight joint plaster cracks by forming 5mm joint and remove any loose material and apply SIKAFLEX PRO-3 sealant to manufacturer's specs	m	130		

Carried to Collection

R

Section No. 2
BUILDING WORKS
Bill No. 1
Alterations

**LOUISIANA PRIMARY SCHOOL
REPLACEMENT OF ASBESTOS PROGRAMME**

18	Hack open all cracks prepare and re plaster to a smooth uniform surface. Remove loose and peeling paint back to a firm edge by scraping, sanding or other suitable means. Feather the edges with 100 grit sandpaper and ensure surface is dust free. Surface to be dry, sound and clean and cured for a minimum of 14 days, with a moisture content measured with a Doser Hygrometer (or equivalent), of BD 2 scale- 8% or less. Prime with one coat Plascon Plaster Primer (UC 56) with an over coating time of 16 hours and finish with two coats Wall & All (WAA) with 2 hours drying time between coats, for a maintenance cycle of 6 years in a C3 - industrial environment.	m2	120
19	Making good defects in existing screeded floors	m2	150
<u>SERVICING OF DOORS, WINDOWS, ETC.</u>			
20	Replace existing damaged or missing brass window sash handles and stays	No	208
<u>PREPARATORY WORK TO EXISTING SURFACES</u>			
21	Prepare, and clean roof tiles and pvc gutters with high pressure water and leave surfaces free from dirt, etc	m2	1 218

Carried to Collection

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Section No. 2
BUILDING WORKS
Bill No. 1
Alterations

LOUISIANA PRIMARY SCHOOL REPLACEMENT OF ASBESTOS PROGRAMME

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**LOUISIANA PRIMARY SCHOOL
REPLACEMENT OF ASBESTOS PROGRAMME**

<u>Filling</u>					
Notwithstanding the reference to prescribed multiple handling in clause 1 page 6 of the Standard System of Measuring Building Work, prices for filling and backfilling shall include for all selection and any multiple handling of material					
<u>Soil poisoning</u>					
Ant and weed poisoning will be applied in accordance to SABS specifications by Registered and Approved Specialists who will issue a five (5) year guarantee. The contractor will only be paid for this items once they have produced the said certificate to the Principal Agent					
<u>SITE CLEARANCE, ETC.</u>					
<u>Site clearance</u>					
1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc.	m2	99		
2	Stripping average 150mm thick layer of top soil and depositing material in prescribed stock piles on site	m2	99		
<u>REMOVAL TREES, ETC.</u>					
<u>Taking out and removing, grubbing up roots and filling holes.</u>					
3	Tree stump exceeding 200mm and not exceeding 500mm girth.	No	4		
<u>EXCAVATIONS ETC</u>					
<u>Excavation in earth not exceeding 2m deep</u>					
4	Trenches	m3	19		
<u>Back excavation of vertical sides of excavation in earth for working space including backfilling compacted to 98% Mod AASHTO density</u>					
5	Trenches	m3	12		
Carried to Collection				R	
Section No. 2 BUILDING WORKS Bill No. 2 Earthworks					

**LOUISIANA PRIMARY SCHOOL
REPLACEMENT OF ASBESTOS PROGRAMME**

<u>Extra over all excavations for carting away</u>					
6	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	28		
<u>Risk of collapse of excavations</u>					
7	Sides of trench and hole excavations exceeding 1,5m deep	m2	48		
<u>Keeping excavations free of water</u>					
8	Keeping excavations free of water other than subterranean water		Item		
<u>Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 98% Mod AASHTO density</u>					
9	Backfilling to trenches, holes, etc	m3	7		
<u>Approved G5 filling supplied and carted by the contractor and compacted in layers not exceeding 150mm to 95% Mod AASHTO density</u>					
10	Under floors, steps, paving etc.	m3	41		
<u>Coarse river sand filling supplied by the contractor</u>					
11	Under floors etc	m3	4		
<u>Compaction of surfaces</u>					
12	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 93% Mod AASHTO density	m2	70		
<u>Prescribed density tests on filling</u>					
13	"Modified AASHTO Density" test	No	10		
Carried to Collection				R	
Section No. 2 BUILDING WORKS Bill No. 2 Earthworks					

SOIL POISONING

All soil poisoning and insecticide to be applied under a *five year* guarantee by an approved firm of Specialists. Soil insecticides shall comply with *SABS Specification 1165*. Work shall be carried out in accordance with "The application of soil insecticides for the protection of buildings" - *SABS Code of Practice 0124*

Casting of concrete floors to start within 24 hours after the application of soil poisoning

Pest control applicators must provide :

1. Proof of pesticides and insecticides (data sheets)
2. Toxicants must be registered with the Departement of Agriculture
2. Proof that they are qualified to perform the work
3. Five year guarantee certificate

Soil insecticide

- 14 Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming

m2

70

Carried to Collection

R

Section No. 2
BUILDING WORKS
Bill No. 2
Earthworks

LOUISIANA PRIMARY SCHOOL REPLACEMENT OF ASBESTOS PROGRAMME

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**LOUISIANA PRIMARY SCHOOL
REPLACEMENT OF ASBESTOS PROGRAMME**

	<u>Finishing top surfaces of concrete smooth with a wood float</u>				
3	Surface beds, slabs, etc	m2	70		
	<u>FORMWORK</u>				
	<u>Rough formwork to sides</u>				
4	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	38		
	<u>TEST CUBES</u>				
5	Allow for preparing a set of three concrete strength test cubes, each size 150 x 150 x 150mm, sending them to an approved Testing Laboratory for testing and paying all charges in connection therewith. (Provisional)	Sets	15.0		
	<u>MOVEMENT JOINTS ETC</u>				
	<u>Saw cut joints</u>				
6	Saw cut joints in top of concrete (Provisional)	m	48		
	<u>REINFORCEMENT</u>				
	<u>Fabric reinforcement</u>				
7	Type 395 fabric reinforcement in concrete surface beds, slabs, etc	m2	70		
Carried to Collection					R
Section No. 2 BUILDING WORKS Bill No. 3 Concrete, Formwork and Reinforcement					

LOUISIANA PRIMARY SCHOOL REPLACEMENT OF ASBESTOS PROGRAMME

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LOUISIANA PRIMARY SCHOOL REPLACEMENT OF ASBESTOS PROGRAMME

[illegible]

**LOUISIANA PRIMARY SCHOOL
REPLACEMENT OF ASBESTOS PROGRAMME**

	<u>Allow the prime cost amount of R6500-00 (Six Thousand Five Hundred Rand excluding VAT) net per thousand for external face bricks , supplied and delivered to site and add for taking delivery, storage, building in and pointing with square recessed horizontal and vertical joints waste and profit</u>				
12	Extra over brickwork for face brickwork	m2	144		
13	Extra over brickwork for face brickwork in beamfilling	m2	8		
14	Fair raking cutting	m	12		
15	Extra over brickwork for brick-on-edge header course coping.	m	8		
16	Extra over brickwork for brick-on-edge header course lintels one course high, pointed on face and 115mm soffit	m	8		
17	Fair cutting and fitting around pipe not exceeding 100mm diameter	No	4		
18	Fair cutting and fitting around pipe exceeding 200mm and not exceeding 300mm diameter	No	6		
	<u>FACE BRICKWORK COPINGS, SILLS, ETC</u>				
	<u>Allow the prime cost amount of R6500-00 (Six Thousand Five Hundred Rand excluding VAT) net per thousand for face bricks, supplied and delivered to site and add for taking delivery, storage and building in header course copings, sills, etc, pointed with recessed joints on all exposed faces</u>				
19	200mm Wide sill set sloping and slightly projecting	m	14		
	<u>EVERITE NUTEC FIBRE-CEMENT WINDOW SILLS</u>				
	<u>Natural grey sills in single lengths bedded in class I mortar including metal fixing lugs and self-tapping screws etc</u>				
20	15 x 150mm Wide sills set flat and slightly projecting	m	22		
	Carried to Collection			R	
	Section No. 2 BUILDING WORKS Bill No. 4 Masonry				

LOUISIANA PRIMARY SCHOOL
REPLACEMENT OF ASBESTOS PROGRAMME

Section No. 2

BUILDING WORKS

Bill No. 4

Masonry

COLLECTION

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BUILDING WORKS
Bill No. 4
Masonry

R

Item No	Quantity	Rate	Amount
<u>SECTION NO.2</u>			
<u>BUILDING WORK</u>			
<u>BILL NO.5</u>			
<u>WATERPROOFING</u>			
For preambles see "Construction works: Specifications: General Specification (PW 371-A) Edition 2.0"			

<u>SUPPLEMENTARY PREAMBLES</u>			
<u>Waterproofing</u>			
<u>DAMP-PROOFING OF WALLS AND FLOORS</u>			
<u>One layer of 375 micron "Consol Plastics Brikgrip DPC" black embossed damp proof course type B</u>			
1	In walls	m	64
<u>One layer of 250 micron "Consol Plastic USB Green" waterproof sheeting sealed at laps with "Gunplas Pressure Sensitive Tape" (LI)</u>			
2	Under surface beds	m2	70
<u>Two coats "Brixéal" bitumen emulsion waterproofing coating</u>			
3	On bagged brick walls	m2	144
<u>JOINT SEALANTS ETC</u>			
<u>Silicone sealing compound including backing cord, bond breaker, primer, etc (LI)</u>			
4	6 x 10mm In expansion joints including raking out of expansion joint filler as necessary (Provisional)	m	32
Carried Forward to Summary of Section No. 2			R
Section No. 2 BUILDING WORKS Bill No. 5 Waterproofing			

**LOUISIANA PRIMARY SCHOOL
REPLACEMENT OF ASBESTOS PROGRAMME**

0,6mm "IBR" galvanised troughed sheeting steel with "Colomate" finish on one side, in single lengths fixed to timber purlins and 0,6mm galvanised steel accessories with "Colomate" finish on one side, fixed to roof members by a firm of Specialists who will give a five (5) year guarantee, all in accordance with the manufacturer's instructions

1	Roof covering with pitch not exceeding 17 degrees	m2	1 213
2	Ridge capping 550mm girth	m	125

ROOF AND WALL INSULATION

Sisalation RSA 420 heavy industrial grade aluminium foil based insulation

3	Insulation laid taut over purlins (at approximately 997mm centres) and fixed concurrent with roof covering including galvanised steel straining wires	m2	1 213
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Carried to Collection

R

Section No. 2
BUILDING WORKS
Bill No. 6
Roof Coverings

LOUISIANA PRIMARY SCHOOL REPLACEMENT OF ASBESTOS PROGRAMME

[illegible]

Pre-fabricated metal connected timber roof trusses

All trusses shall be fabricated by an approved truss manufacturer who holds a current Certificate of Competence awarded by the Institute for Timber Construction

Timber

Timber for trusses to be South African softwood and shall be in accordance with the grades as defined in SABS Specification No 563 or as defined in SABS Specification No 1460

Bolts

Bolts shall be in accordance with BS 4190 or SABS 135

Shear plates, tooth connectors and split rings

Shear plates, tooth connectors and split rings shall be in accordance with BSS 1759 : 1960 and installed in accordance with the CSIR Publication HOUT 468, "The Design, Manufacturing and Erection of Timber Trusses"

Washers

Square or round washers of the following dimensions shall be used with all bolts:

- 1 Bolts up to 8mm diameter:
Washers shall be minimum 25mm wide of minimum 2,50mm thickness
- 2 Bolts up to 12mm diameter:
Washers shall be minimum 36mm wide of minimum 4,00mm thickness
- 3 Bolts up to 20mm diameter:
Washers shall be minimum 60mm wide of minimum 5,00mm thickness

Metal connector plates

Metal connector plates shall be fabricated out of not less than 1mm thick drawn quality galvanised steel

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The steel shall have a minimum yield strength of 228MPa and a minimum ultimate tensile strength of 330MPa. The corrosion resisting coating shall be not less than 275g/m² commercial class hot dipped galvanising as per SABS 934 before stamping

All connector plates shall have been tested by the CSIR and be of a size capable of transmitting the forces between members of a truss without exceeding the design values published in the CSIR report

Truss construction

Trusses shall be constructed in jigs specially designed to ensure the correct profile, overhangs and cambers

Where metal connector plates are used all joints are to be close fitted butt joints made by precision pressing of the metal connector plates into each side of the joint

Truss design

All trusses shall be designed by a registered Professional Engineer in accordance with SABS 0163 ("Design of Timber Structures") and Code 0160 ("Loadings")

Truss spacing

The truss centres shall be less than or equal to that as described in this bill for each respective truss

Truss pitch

The truss pitch shall be as described in this bill for each respective truss type

Truss loading

Trusses shall be designed for a live load of 0,50kN/m² and dead load as specified under the sub-heading "Specific load specifications for roof trusses"

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Shop drawings, design and erection guarantee certificates

It will be expected from the Contractor to timeously prepare, submit and obtain the necessary approvals from the Representative/Agent in respect of the required shop drawings, design and erection guarantee certificates as specified

Dimensions

All dimensions given in the descriptions of the trusses are nominal and actual measurements are to be obtained by actual measurements taken on the site before design or fabrication commences

Erection

All trusses are to be hoisted and erected strictly in accordance with the procedures and recommendations of the manual "The Erection and Bracing of Timber roof Trusses" as published by the Institute for Timber Construction and the CSIR, or the SABS Code of Practice "The Design, Manufacture and Erection of Timber Roof Trusses", or as designed and detailed by the designer

Design system

The design system as documented in this bill is based on the "MiTek" system and all references given in the descriptions are related to specific type of trusses based on this design system

However, Contractors are to note that any design system of similar quality may be used subject to the prior written approval of the Representative/Agent

Specific specifications for roof trusses

Unless otherwise described, the following specifications will apply:

- 1 All trusses to be with a 10° pitch
- 2 The dead load consists of corrugated roof sheeting and purlins at approximately 1200mm centres

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**LOUISIANA PRIMARY SCHOOL
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The following in plate nailed timber roof truss construction

The references given in the descriptions are to the respective types of trusses detailed on the architect's drawings annexed to these bills of quantities/accompanying these bills of quantities for tender purposes

Prices for rafters and trusses to include all "Hurricane" clips, steel M-runners and "Permfix" plates, screws, nails, wires, sundry material, etc (bracing, wallplates, purlins and gangboarding are measured seperately)

Allow for the preparation and submission of the following documents in respect of all buildings

- | | | | | |
|---|---|------|--|--|
| 1 | Detailed shop drawings indicating truss sizes, truss positions, bracings, details, etc. to be submitted for approval prior the commencement of any fabrication | Item | | |
| 2 | Design certificate indicating the licensed programme used, SANS specifications adhered to, general procedures and loadings adopted, sizes and grading of timber components, details, etc. | Item | | |
| 3 | Erection guarantee certificate after the whole completed roof truss structure have been inspected, all defective work have been taken out and made good, etc. to the full satisfaction of the Principal Agent | Item | | |

Sawn softwood

- | | | | | |
|---|--|----|---|--|
| 4 | Roof construction to double pitched roof supplied and erected complete in position with bracing, gangboarding, purlins, eaves purlins, hipped end, rafters etc. For Classroom block approximately 505m2 | No | 1 | |
| 5 | Roof construction to double pitched roof supplied and erected complete in position with bracing, gangboarding, purlins, eaves purlins, hipped end, rafters etc. For Admin block approximately 198m2 | No | 1 | |
| 6 | Roof construction to double pitched roof supplied and erected complete in position with bracing, gangboarding, purlins, eaves purlins, hipped end, rafters etc. For ablution block approximately 42m2 | No | 4 | |

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	<u>Sawn softwood</u>				
7	38 x 114mm Wall plates	m	245		
	<u>Sundries</u>				
8	Two coats creosote on sawn timbers	m2	228		
	<u>EAVES, VERGES, ETC</u>				
	<u>"Everite FC77" or similar approved pressed fibre-cement</u>				
9	15 x 250mm Fascias and barge boards including galvanised steel H-profile jointing strips	m	485		
	<u>SKIRTINGS</u>				
	<u>Wrought meranti</u>				
10	19 x 76mm Skirting including 19mm quadrant bead nailed	m	840		
	<u>DOORS, ETC</u>				
	<u>Wrought meranti doors hung to timber frames</u>				
11	44mm FLBB Door size 813 x 2032mm high with styles, top, bottom, and middle rails with diagonal bracing of 22mm tongue & grooved vertical battens, finish suitable for varnish (elsewhere measured).	No	24		
	<u>Solid core flush doors with concealed hardwood edges and 4mm thick masonite covering on both sides hung to steel frame</u>				
12	40mm Door 813 x 2032mm high	No	16		
	<u>Plate nailed timber roof truss construction</u>				
	<u>FRAMED FRAMES ETC</u>				
	<u>Wrought meranti timber frame to suit meranti doors</u>				
13	Frame for door size, 813 x 2032mm high	No	40		
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LOUISIANA PRIMARY SCHOOL REPLACEMENT OF ASBESTOS PROGRAMME

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Item No	Quantity	Rate	Amount
<u>SECTION NO.2</u>			
<u>BUILDING WORK</u>			
<u>BILL NO.8</u>			
<u>CEILING , ETC.</u>			
For preambles see "Construction works: Specifications: General Specification (PW 371-A) Edition 2.0"			

<u>SUPPLEMENTARY PREAMBLES</u>			
<u>Descriptions:</u>			
Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins or shot pinned to brickwork or concrete			
Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres, and where described as "bolted" the bolts have been given elsewhere			
<u>CEILING CONSTRUCTION, CORNICES, ETC.</u>			
<u>Insulation</u>			
1	D&D Roof 135mmthick Starlite 12kg/m3 density aluminium foil faced ceiling insulation complying with SANS 428:2012, laid directly over the ceiling between trusses, all in accordance with the manufacturer's recommendations.	m2	998
<u>Sawn softwood</u>			
2	38 x 114mm Ceiling joists (Provisional)	m	665
<u>Gypsum cornices</u>			
3	75mm Coved cornices	m	933
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Section No. 2 BUILDING WORKS Bill No. 8 Ceilings, Partitions and Access Flooring			

**LOUISIANA PRIMARY SCHOOL
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NAILED UP AND SCREWED UP CEILINGS

4mm "Everite Nutec" or similar approved fibre-cement boards with H-profile primed steel jointing cover strips over joints

4	Ceilings including 38 x 38mm brandering at 90deg to trusses at maximum centres of 400mm by 32mm long galvanised nails	m2	998		
5	Extra over ceiling for opening for 610 x 610mm trap door of 50 x 76mm wrought softwood rebated framing with one 38 x 38mm sawn softwood cross brander covered with ceiling board and fitted flush in opening	No	16		

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Section No. 2
BUILDING WORKS
Bill No. 8
Ceilings, Partitions and Access Flooring

**LOUISIANA PRIMARY SCHOOL
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Ceilings, Partitions and Access Flooring

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Item No		Quantity	Rate	Amount
	<u>SECTION NO.2</u>			
	<u>BUILDING WORK</u>			
	<u>BILL NO.9</u>			
	<u>IRONMONGERY</u>			
	For preambles see "Construction works: Specifications: General Specification (PW 371-A) Edition 2.0"			

	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Descriptions</u>			
	Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs			
	<u>Finishes to ironmongery</u>			
	Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list: BS Satin bronze lacquered CH Chromium plated SC Satin chromium plated SE Silver enamelled GE Grey enamelled AS Anodised silver AB Anodised bronze AG Anodised gold ABL Anodised black PB Polished brass PL Polished and lacquered PT Epoxy coated SD Sanded			
	<u>LOCKS</u>			
	<u>"Union" or similar approved</u>			
1	"Union Doves SS6163-24SS/ 2277-78SSMKD" or similar approved three lever mortice lockset master keyed.	No	40	
	<u>HINGES</u>			
2	1,5 Pairs "UNION" or similar approved two ball bearing butt hinge (Code : JH-BB-ST-2-SS) with stainless Steel finish	No	80	
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**LOUISIANA PRIMARY SCHOOL
REPLACEMENT OF ASBESTOS PROGRAMME**

SUNDRIES

"Dorma" or similar approved

3	Dorma "Code 255" door stop plugged	No	40		
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**PINNING BOARDS, WRITING BOARDS,
PROJECTION SCREENS, ETC**

Vitrex or other approved

4	Pinning boards size 4800 x 1250mm high mounted to brickwall with 6 x 57mm Hilti HPS-16/30 or similar approved plastic anchors at maximum 400mm centres	m	18		
---	--	---	----	--	--

5	Standard vitreous enamelled green chalkboard (SABS Specification CKS 38-1980) 4800 x 1140mm high with chalk rail plugged	No	18		
---	--	----	----	--	--

BATHROOM FITTINGS

TOILET ROLL DISPENSER

6	Design hardware chrome plated "theftproof" toilet roll holder plugged and screwed to walls.	No	16		
---	---	----	----	--	--

SANITARY BINS

"Rubbermaid" or similar approved

7	12 Litre, 435mm (w) x 115mm (d) white plastic sanitary bin with heavy duty pedal Code SBP 0500	No	4		
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Section No. 2
BUILDING WORKS
Bill No. 9
Ironmongery

20mm LETTERING ON DOOR OR WALL

- 8 3mm Thick Aluminium plate 40mm high , with engraved bold "SANS SERIF" lettering of 20mm height .Space between end of lettering and ends to plate to be 10mm .Engraving to be filled in, coloured black . All facing edges to be bevelled and polished. Plate to be twice plugged and fixed to top right hand corner of door frame with counter sunk chrome plate semi dome type screws on a double sided tape backing top, bottom and ends. Lettering to be cased as indicated in the "inscription " column below.

ROOM NAME : classrooms

INSCRIPTION:All entrance doors to classrooms to be numbered sequentially e.g H1,H2, etc.

POSITION: In top left hand corner on outside of door frame.

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Bill No. 9
Ironmongery

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<u>SECTION NO.2</u>			
<u>BUILDING WORK</u>			
<u>BILL NO. 10</u>			
<u>METALWORK</u>			
For preambles see "Construction works: Specifications: General Specification (PW 371-A) Edition 2.0"			

<u>Descriptions</u>			
Descriptions of bolts shall be deemed to include nuts and washers Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete Metalwork described as"holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described			
<u>STEEL WINDOWS, DOORS, ETC</u>			
<u>GALVANISED STEEL WINDOWS, DOORS, ETC</u>			
<u>Standard school windows</u>			
<u>Steel sashes constructed of rolled steel section with flanged frame bar all around, in accordance with SABS specifications 727-1962, supplied primed with one coat red oxide primer.</u>			
1	Window size 673 x 511mm high	No 8	
2	Window size 1143 x 457mm high	No 2	
<u>WELDED SCREENS, GATES, ETC</u>			
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Screens and gates

- 3 Galvanised single gate and frame 900 x 2100mm high comprising of 25 x 25 x 2mm hollow section frame and 25 x 25 x 2mm hollow section middle rail filled in with 12 x 12mm square section vertical rails at 75mm centres and fitted with a pair of suitable hinges welded to frame and with locking mechanism all in and including outer frame of 25 x 25 x 2mm hollow section welded frame bolted to brickwork

No

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Bill No. 10
Metalwork

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BUILDING WORKS

Bill No. 10

Metalwork

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Metalwork

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FLOOR TILING

**350 x 350 x 11,5mm Ceramic floor tiles fixed with
adhesive to the existing plaster and flush pointed
with tinted waterproof jointing compound**

3	On floors	m2	70
4	Skirting of 350 x 100mm high cut tile	m	76

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BUILDING WORKS
Bill No. 11
Tiling

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Bill No. 11

Tiling

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Bill No. 11
Tiling

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Removal of damage lights, plugs, DB's, cable wires etc including the preparation to receive new

1	Plugs
---	-------

No

70

2	Switches
---	----------

No

62

3	lights with bulbs
---	-------------------

No

108

ELECTRICAL INSTALLATION

DRAW WIRES

4	Supply and installation of 0,6mm diameter galvanised draw wires in sleeve system runs
---	---

m

1 313

CONDUIT

Supply and installation of SABS approved solid black enameled, solid galvanised or PVC conduits complete with all required conduit accessories. Conduits to be cast into concrete, built into brick walls, fixed on surface of brick, concrete or steel surface or fixed inside ceiling spaces on timber work. All tendered rates must make allowance for wastage.

In ceiling spaces on timber work

5	20 mm Diameter
---	----------------

m

1 415

CONDUIT BOXES

Supply and installation of SABS approved conduit boxes, installed in the run of the conduit installation, cast into concrete and built into brickwork or flush inside false ceiling spaces, complete with all the required conduit termination accessories

6	20mm Diameter 4 way type
---	--------------------------

No

277

7	450 x 450mm Bonding tray in roof space.
---	---

No

105

WALL BOXES

Supply and installation of SABS approved galvanised pressed steel wall boxes for building flush into brickwork or cast into concrete work

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BUILDING WORKS
Bill No. 12
Electrical works

**LOUISIANA PRIMARY SCHOOL
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Flush mounted type:

8	100 x 50 x 50mm	No	128
9	100 x 100 x 50mm	No	184

PVC WIRING

PVC wiring in conduits

10	2.5mm ²	m	4 008
11	4mm ²	m	3 542

STRANDED BARE COPPER EARTH WIRE

Supply and installation of stranded bare copper earth wire along with PVC wiring in conduits. Tendered rates shall make provision for wastage.

12	2.5mm ²	m	5 542
----	--------------------	---	-------

LIGHT SWITCHES

Supply and installation of SABS approved type 16 A flush and surface type light switches. Final paint finishes shall be confirmed at a later stage, allowance shall however be made as specified in the general specification. All boxes for flush mounting measured elsewhere.

13	1 Lever 1 way	No	140
14	1 Lever 2 way	No	138

SOCKET OUTLETS

Supply and installation of SABS approved switched and unswitched type flush and surface mounted type 16 A switched socket outlets suitable for mounting in flush steel wall boxes or in steel pedestal units or on surface.

The final colour of the paint finish shall be confirmed at a later stage, allowance shall be made as specified in the specification.

All flush type boxes and special pedestals measured elsewhere.

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BUILDING WORKS
Bill No. 12
Electrical works

**LOUISIANA PRIMARY SCHOOL
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	<u>Supply and install the following 16A 3-pin socket outlet complete with cover plate in position as indicated on the drawings (draw box measured elsewhere)</u>			
15	16A 3-pin single	No	68	
16	13A 3-pin Double socket outlet	No	114	
	<u>Flush switched socket type:</u>			
17	Double 15 A 3 pin socket outlets	No	58	
	<u>ISOLATOR</u>			
	<u>Supply and install the following isolators complete with the cover plate in the position as indicated on the drawings (draw box elsewhere measured)</u>			
18	45A Isolator 4 x 4	No	86	
	<u>LIGHT FITTINGS</u>			
	Supply, deliver to site, storage and installation of the below specified light fittings complete with lamps or tubes. Allowance must be made in the rates for all the required fixing materials and accessories.			
	Fittings to be equal and similar approved to the below quoted manufacturer.			
	<u>Flourescent fittings</u>			
19	Type F3: 2 x 54 W open channel fluorescent	No	94	
	<u>Bulkhead fittings</u>			
20	Type B1: Surface Mounted Bulkhead luminaire with 2 x 18 W CFL Lamp, IP 66	No	24	
	<u>ELECTRICAL TESTS</u>			
	Making provision for the required inspections, tests and the commissioning of the installation and the issuing of the required certificate.			
21	Building Installation		Item	
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BUILDING WORKS

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Electrical works

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	<u>SECTION NO.2</u>			
	<u>BUILDING WORK</u>			
	<u>BILL NO.13</u>			
	<u>FLOOR COVERINGS</u>			
	For preambles see "Construction works: Specifications: General Specification (PW 371-A) Edition 2.0"			

	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Descriptions</u>			
	Unless described as "fixed with adhesive to plaster (plaster elsewhere)" descriptions of tiling on brick or concrete walls, columns, etc shall be deemed to include 1:4 cement plaster backing and descriptions of tiling on concrete floors etc shall be deemed to include 1:3 plaster bedding			
	<u>FLOOR COVERINGS</u>			
	<u>"Vinyl tiles-MF 2502 Moor Grey(54000N"or similar approved fully flexible vinyl floor tiles size 300 x 300mm x 2.5mm thick, manufactured in accordance with SANS 786:2000, laid in FloorworX No. 60 Plus acrylic adhesive spread with a notched trowel</u>			
1	On floors in patches.	m2	998	
	<u>POLISH, SEALERS, ETC</u>			
	<u>Three coats wax polish</u>			
2	On vinyl flooring	m2	998	
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	Section No. 2 BUILDING WORKS Bill No. 13 Floor Coverings, etc			

LOUISIANA PRIMARY SCHOOL REPLACEMENT OF ASBESTOS PROGRAMME

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**LOUISIANA PRIMARY SCHOOL
REPLACEMENT OF ASBESTOS PROGRAMME**

5	125 x 75mm Rectangular fluted rainwater downpipes in marble white fixed into the wall with holder bats	m	128		
6	Extra over rainwater pipe for eaves or plinth offset 600mm projection	No	36		
7	Extra over rainwater pipe for shoe	No	36		
<u>SANITARY FITTINGS</u>					
<u>White glazed vitreous china with Cobra Watertech accessories</u>					
8	White vitreous china rounded lavatory basin with one taphole and complete with chromium plated star pattern basin set, anti-theft plug with spindle and chromium plated bottle trap	No	8		
9	Low level WC suite comprising pan with double flap white plastic seat and 9L cistern with flush pipe	No	12		
10	"Lavatera" 704001/2 wall urinal with spreader and waste union including flush valve	No	4		
<u>Toilet seats</u>					
11	double flap heavy duty plastic seat	No	16		
<u>TRAPS ETC</u>					
<u>uPVC</u>					
12	50mm Deep seal "P" or "S" trap	No	8		
<u>TAPS, VALVES, ETC</u>					
<u>Brass</u>					
13	15mm "Ball-o-stop" valve	No	12		
<u>WASTE UNIONS ETC</u>					
<u>"Cobra Watertech"</u>					
14	15mm, 111CP "Star" pillartap	No	8		
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**LOUISIANA PRIMARY SCHOOL
REPLACEMENT OF ASBESTOS PROGRAMME**

15	32mm "Cobra Ref. 301" slotted basin waste with plug, chain and stay	No	14		
	<u>SANITARY PLUMBING</u>				
	<u>uPVC pipes</u>				
16	50mm Pipes	m	56		
17	50mm Pipes laid in and including trenches not exceeding 1m deep	m	22		
18	110mm Pipes	m	16		
19	110mm Pipes laid in and including trenches not exceeding 1m deep	m	67		
	<u>Extra over uPVC pipes for fittings</u>				
20	50mm Bend	No	18		
21	50mm Access bend	No	18		
22	110mm Bend	No	12		
23	110mm Access bend	No	12		
24	110mm Reducing junction	No	12		
25	110mm Access reducing junction	No	10		
26	50mm Vent valve	No	10		
27	110mm Pan connector	No	8		
	<u>TESTING</u>				
28	Testing drainage pipe system		Item		
	<u>WATER SUPPLIES</u>				
	<u>Class 2 copper pipes</u>				
29	15mm Pipes	m	65		
30	22mm Pipes	m	120		
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**LOUISIANA PRIMARY SCHOOL
REPLACEMENT OF ASBESTOS PROGRAMME**

	<u>Extra over class 2 copper pipes for capillary fittings</u>			
31	15mm Fittings	No	18	
32	22mm Fittings	No	18	
	<u>Extra over class 2 copper pipes for brass compression fittings</u>			
33	22mm Fittings	No	16	
	<u>Copper overflow and service pipes</u>			
34	15mm Service pipe 500mm girth	No	12	
	<u>TANKS ETC</u>			
	<u>Jojo polyethelene or other approved water tank</u>			
35	2500 Litre rainwater tank complete including tank stand with access lid with inlet hole placed in position on concrete slab and anchored with and including four 7mm diameter galvanised steel chain anchors fitted into garden hose protective sleeves with top end of chain secured to tank and bottom end secured to and including 10mm diameter x 650mm girth U-shaped high tensile steel securing lugs, bent to detail and cast into concrete plinth	No	12	
	<u>FIRE APPLIANCES ETC</u>			
	<u>Chubb</u>			
36	Everyway hose reel complete with 30m rubber hose, chromium plated stopcock, shut-off nozzle and wall bracket	No	5	
	<u>Fire extinguisher</u>			
37	4.5kg CO2 fire extinguisher with wall mounting bracket fitted to 300 x 150 x 19mm meranti wood backing plate with rounded and smoothed edges fixed at 1200mm above FFL plugged and screwed to wall and backing plate to be dry, sound and clean and prime with one coat of wood primer and finished with two coats of velvaglo satin of selected colour, sanding lightly between coats	No	18	
	<u>WATER SUPPLIES TO FIRE APPLIANCES</u>			
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Plumbing and Drainage

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BUILDING WORKS

Bill No. 15

Plumbing and Drainage

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PAINTWORK ETC TO EXISTING WORK

ON FLOATED PLASTER

Prepare surfaces and remove all loose material.
Apply one coat plaster primer, two coats velvagio
paint

2	On internal walls	m2	2 446
3	On external wall	m2	2 175

ON SCREED

4	Apply epoxy paint	m2	318
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ON FIBRE-CEMENT

One coat primer, one coat universal undercoat and two
coats super acrylic PVA paint

5	On ceilings.	m2	998
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ON METAL

Apply one coat Plascon Metal Primer, one coat
Plascon Universal Undercoat and two coats Plascon
Eggshell Enamel paint

6	On windows frames	m2	215
7	On door frame .	m2	130

ON WOOD

Prepare and apply three coats polyurethane suede
varnish, lightly sanded between applications

8	On Timber doors	m2	173
9	On skirtings, rails, cornices etc not exceeding 300 mm girth	m	840

Carried to Collection

R

Section No. 2
BUILDING WORKS
Bill No. 17
Paintwork

LOUISIANA PRIMARY SCHOOL
REPLACEMENT OF ASBESTOS PROGRAMME

Section No. 2

BUILDING WORKS

Bill No. 17

Paintwork

COLLECTION

Total Brought Forward from Page No.

**Page
No**

112

113

Amount

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Section No. 2
BUILDING WORKS
Bill No. 17
Paintwork

R

LOUISIANA PRIMARY SCHOOL REPLACEMENT OF ASBESTOS PROGRAMME

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**LOUISIANA PRIMARY SCHOOL
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<u>Excavation in earth not exceeding 2m deep</u>					
3	Reduce levels under paved parking and walkways and stockpile	m3	130		
	<u>Extra over all excavations for carting away</u>				
4	Extra over all excavations for carting away surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	120		
<u>Keeping excavations free of water</u>					
5	Keeping excavations free of water other than subterranean water		Item		
<u>Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 98% Mod AASHTO density</u>					
6	Backfilling to platforms	m3	86		
<u>Imported G5 filling or similar approved supplied by the contractor compacted to 95% Mod AASHTO density in 150mm thick layers</u>					
7	Base course under parking areas etc stabilised with 4% portland cement and compacted to 93% Mod AASHTO density	m3	119		
<u>Coarse river sand filling supplied by the contractor</u>					
8	Under floors etc	m3	43		
	<u>Compaction of surfaces</u>				
9	Compaction of ground surfaces under pavings etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% Mod AASHTO density	m2	864		
	<u>Prescribed density tests on filling</u>				
10	"Modified AASHTO Density" test	No	15		
Carried to Collection				R	
Section No. 3 EXTERNAL WORKS Bill No. 1 EXTERNAL WORKS					

LOUISIANA PRIMARY SCHOOL REPLACEMENT OF ASBESTOS PROGRAMME

	Weedkillers, insecticides, etc			
11	Weedkiller and soil insecticide mixed in the proportion in strict accordance with the manufacturers instructions applied to earth surfaces under paving	m2	864	
	<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>			
	<u>Concrete</u>			
	<u>30MPa/19mm Concrete</u>			
12	Stairs including landings	m3	18	
13	Surface bed cast in panels and edge beams	m3	43	
	<u>SMOOTH FORMWORK (DEGREE OF ACCURACY II)</u>			
	<u>Smooth formwork to sides</u>			
14	Edges not exceeding 300mm high	m	284	
	<u>Special formwork to sides</u>			
15	Steps	m2	22	
	<u>TEST BLOCKS</u>			
16	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	15	
	<u>CONCRETE SUNDRIES</u>			
	<u>Finishing top surfaces of concrete smooth with a wood float</u>			
17	Walkway to falls and currents	m2	284	
	<u>MOVEMENT JOINTS ETC</u>			
	<u>Saw cut joints</u>			
18	3 x 10mm Saw cut joints in top of concrete, including induced crack, grooved and reamed	m	200	
	<u>REINFORCEMENT (PROVISIONAL)</u>			
	Carried to Collection			R
	Section No. 3 EXTERNAL WORKS Bill No. 1 EXTERNAL WORKS			

**LOUISIANA PRIMARY SCHOOL
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**LOUISIANA PRIMARY SCHOOL
REPLACEMENT OF ASBESTOS PROGRAMME**

	<u>Mass concrete with a coarse aggregate of 9mm and a minimum compressive strength of 15MPa at 28 days</u>				
26	V- shaped channel 900mm wide x 100mm thick with rounded salient edges and finished on exposed surfaces with 2:1 cement mortar laid to falls in panels not exceeding 1,8m long with 12mm bitumen impregnated softboard movement joints with exposed edges raked out for a depth of 10mm and filled with bituminous compound including all necessary excavations and formwork	m	415		
27	Extra for fair open end	No	15		
28	Extra for fair stopped end	No	15		
29	Extra for angle intersection	No	14		
	<u>Movement joints</u>				
30	Movement joint not exceeding 300mm high formed of 12mm bitumen impregnated softboard placed vertical in position between concrete stormwater channel and brick walls or concrete aprons, etc including raking out top section 10mm deep and filling with bituminous compound	m	20		
	<u>EXCAVATIONS</u>				
	<u>Excavation not exceeding 2m deep</u>				
31	Drain trenches	m3	98		
	<u>Backfilling to drain trenches compacted to 93% Mod AASHTO density</u>				
32	Drain trenches	m3	24		
	<u>Selected imported sand filling in bedding under and filling around pipes</u>				
33	Trenches	m3	33		
	<u>19mm Crushed stone bedding under pipes</u>				
34	Under pipes	m3	15		
	Carried to Collection			R	
	Section No. 3				
	EXTERNAL WORKS				
	Bill No. 1				
	EXTERNAL WORKS				

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	<u>Class 100D concrete pipes</u>				
35	450mm pipes laid in trenches	m	105		
	<u>Precast concrete circular inspection chambers</u>				
36	Inspection chamber 610mm diameter and not exceeding 750mm deep internally	No	3		
	<u>SEWER RETICULATION</u>				
	<u>EXCAVATIONS</u>				
37	Excavation not exceeding 2m deep for drain trenches	m3	71		
38	Backfilling to sewer trenches compacted to 93% Mod AASHTO density	m3	18		
39	Selected imported sand filling in bedding under and filling around pipes	m3	46		
	<u>Supply, Lay, Joint, Bed uPVC pipes, and Test Pipeline with suitable approved flexible joints on Class C bedding</u>				
40	110mm Diameter Pipe	m	90		
41	160mm Diameter Pipe	m	40		
	<u>Extra over uPVC pipes for fittings</u>				
42	110mm Bend	No	10		
43	110mm Long radius bend	No	8		
44	110mm Junction	No	8		
45	160mm Reducing junction for 110mm pipe	No	5		
46	110mm End cap	No	5		
	<u>Manholes, comprising of 1000mm diameter pre-fabricated concrete chamber rings on top of 20MPa/19mm concrete base, benching and 20MPa/19mm concrete cover slab as well as excavations and backfilling for depths over and up to:</u>				
47	Manhole exceeding 1m and not exceeding 2m deep	No	2		
	Carried to Collection			R	
	Section No. 3				
	EXTERNAL WORKS				
	Bill No. 1				
	EXTERNAL WORKS				

**LOUISIANA PRIMARY SCHOOL
REPLACEMENT OF ASBESTOS PROGRAMME**

48	Extra over manholes for Heavy duty polymer concrete cover	No	2	
<u>FLAG POLE</u>				
<u>EARTHWORKS</u>				
<u>EXCAVATION, FILLING, ETC</u>				
<u>Excavation in earth not exceeding 2m deep</u>				
49	Holes	m3	1	
<u>REINFORCED CONCRETE</u>				
<u>25MPa/19mm concrete</u>				
50	Bases	m3	0.4	
<u>STEEL COLUMNS AND BEAMS</u>				
<u>Welded columns in single lengths with flat section base, top, bearer and connection plates bolted to steel</u>				
51	100 x 40 x 5mm Channel section flag post base, 2m in length welded together with and including 200 long x 50 x 8mm thick flat stop plates both sides at three spots, 170mm long x 20mm Diameter galvanised mild steel locking pin drilled for split pin and including washer	No	1	
52	8m High overall flag pole welded in three sections made up of 2m long x 100mm diameter x 3,5mm hollow section post twice holed for and including M20 x 200 long hinge bolt and locking pin, 3m x 70mm diameter x 3mm thick hollow section mild steel post and 3m x 60mm diameter x 2,5mm post with 70mm diameter x 3mm end cap and 30mm diameter pulley welded on, all set and attached to base bracket with and including hinge bolt and locking pin	No	1	
<u>RETAINING WALL</u>				
<u>EXCAVATIONS</u>				
<u>Excavation in earth not exceeding 2m deep</u>				
53	Trenches	m3	43	
Carried to Collection				R
Section No. 3 EXTERNAL WORKS Bill No. 1 EXTERNAL WORKS				

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REPLACEMENT OF ASBESTOS PROGRAMME**

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**LOUISIANA PRIMARY SCHOOL
REPLACEMENT OF ASBESTOS PROGRAMME**

**SMOOTH FORMWORK (DEGREE OF
ACCURACY I)**

Rough formwork to sides

63	Retaining walls in foundations	m2	199	
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TEST CUBES

64	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	15	
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REINFORCEMENT (PROVISIONAL)

Fabric reinforcement

65	Type 395 fabric reinforcement in concrete surface beds, slabs, etc	m2	324	
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SUBSOIL DRAINAGE

66	Gabion Baskets 110mm Drainex double wall HDPE polymer perforated sub-soil pipes with all necessary HDPE couplings, bends, etc	m	82	
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67	19mm Dust free, washed, crushed stone encasing to pipes	m3	27	
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FILTER FABRIC

"Kaytech Engineered Fabric" or similar approved laid in strict accordance to the manufacturer's instructions

68	"Bidim A2" around stone filling in sub-soil drain trenches, fastened with galvanised steel wire at laps	m2	115	
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69	Kaytech Flownet Type D3 4mm thick drainage core laid vertically against waterproofing with tightly butted joints and entirely covered with Kaytech bidim A2 grade nonwoven continuous filament needle-punched polyester geotextile and linked to Kaytech perforated 100mm Geopipe with HPDE or uPVC couplings	m2	32	
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INTERLOCKING PLANTER BLOCKS

Carried to Collection

R

Section No. 3
EXTERNAL WORKS
Bill No. 1
EXTERNAL WORKS

**LOUISIANA PRIMARY SCHOOL
REPLACEMENT OF ASBESTOS PROGRAMME**

	<u>"Loffelstein" precast concrete interlocking planter blocks finished smooth on exposed surfaces</u>				
70	Type L300 retaining walls structure with stepped face and curves as required to suit slopes with a maximum average height of 3m high, including backfilling behind the walls with earth obtained from the excavations and filling the blocks with garden soil lightly tamped as the work proceeds and base block on and including a 500 x 300mm 30Mpa unreinforced concrete base, inclusive of all excavations, backfilling etc. in strict accordance to the manufacturer's instructions	m2	718		
	<u>FENCING</u>				
	<u>Clear vu fence</u>				
71	Supply and install a 2.1 high security Clear vu or similar fencing with the following specification or similar on Steep Slope 76.2mm x 12.7mm mesh aperture Wire diameter of 3mm horizontal and 4mm Vertical 4 Stiffening wire bend Galvanised coating after welding 600mm deep hole with 25Mpa Concrete. Supply all materials for and install Anti cut and Anti climb ClearVu fencing complete	m	1 119		
72	Clear Vu gate, size 840mm wide x 2,1m high, consisting of 50 x 50x 3mm hollow section square tubing frame filled in with Clear Vu, with fence post with one and half 12mm bullet hinges welded to fence post and gate, cylinder lock, handles etc	No	1		
73	Clear Vu sliding gate, size 5m wide x 2.1m high, with and including guide rails and rail in ground in concrete beam including all excavations, concrete, etc.	No	1		
74	63mm Brass five-pin tumbler padlock with two keys	No	1		
	<u>MOBILE CLASSROOMS RENTAL</u>				
75	Arrange for the rental to supply and Install mobile classrooms size 7m x 7m including delivery to Louisiana Primary School, site establishment, electrical connections, disconnecting and collections upon completion, including all the necessary earthworks etc for duration of 12 (Twelve) Months.	No	5		
	Carried to Collection			R	
	Section No. 3 EXTERNAL WORKS Bill No. 1 EXTERNAL WORKS				

LOUISIANA PRIMARY SCHOOL REPLACEMENT OF ASBESTOS PROGRAMME

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**LOUISIANA PRIMARY SCHOOL
REPLACEMENT OF ASBESTOS PROGRAMME**

Item No		Quantity	Rate	Amount
	<u>Section No. 4</u>			
	<u>PROVISIONAL SUMS & BUDGETARY ALLOWANCES</u>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	The following Budgetary Allowances are all NET amounts (exclusive of commission or discount for the Contractor) and are for work to be executed by Nominated/Selected Sub-contractors.			
	Under no circumstances may any Provisional or Budgetary amounts be extended at an amount lower than the amount given in the descriptions.			
	Provisional sums and Budgetary allowances contained herein may be omitted or reduced at the Employer's discretion and the Contractor shall not be entitled to claim for any loss by way of reductions or omission of any discount, or percentage relating to Provisional amounts and Budgetary sums or any loss of profit related.			
	<u>COMMUNITY LIASION OFFICER</u>			
1	Provide the amount of R 100 000.00 (One Hundred for the appointment of a Community Liaison Officer for the duration of the project (R10 000.00 per month)	Item		
	<u>ASBESTOS INSPECTION AUTHORITIES</u>			
2	Provide the amount of R 350 000.00(Three Hundred and Fifty Thousand Rand) for the appointment of Asbestos Inspector	Item		
	Carried to Final Summary			
	Section No. 4			
	PROVISIONAL SUMS AND BUDGETARY ALLOWANCE			
	Bill No. 1			
	PROVISIONAL SUMS AND BUDGETARY ALLOWANCE			
			R	

Item No			Quantity	Rate	Amount R
	CPG Bill of Quantities:				
	Note to tenderers: As CPGs may not provide any bidder a competitive advantage. Provisional amounts and fixed percentages for profit and attendance have been provided. Only the provisional amount will be adjusted once the awarded tender amount and/or the beneficiaries have been appointed, and the final values have been ascertained.				
	MINIMUM TARGETED LOCAL BUILDING MATERIAL MANUFACTURERS				
	Provision is made for the Minimum Targeted Local Building Material Manufacturers CPG in the execution of this project as described in C3.1 Project Specifications. Allowance for monitoring and monthly reporting on material purchased from Local Building Material Manufacturers by main contractor and subcontractors based on determination by Employer taking into account specific project variables	PS	1	R36 642,12	R36 642,12
	Allowance for profit and attendance, all inclusive of associated costs to the contractor for implementation.	%			
	Allowance for attendance all inclusive of associated costs to the contractor for implementation.	%			
	MINIMUM TARGETED LOCAL BUILDING MATERIAL SUPPLIERS				
	Provision is made for the Minimum Targeted Local Building Material Suppliers CPG in the execution of this project as described in C3.1 Project Specifications. Allowance for monitoring and monthly reporting on material purchased from Local Building Material Suppliers by main contractor and subcontractors based on determination by Employer taking into account specific project variables	PS	1	R36 642,12	R36 642,12
	Allowance for profit and attendance, all inclusive of associated costs to the contractor for implementation.	%			
	Allowance for attendance all inclusive of associated costs to the contractor for implementation	%			
				R	
	Carried Forward to Summary of Section No.				
	SECTION NO.4 - PROVISIONAL SUMS				
	Bill No. 1				
	Provisional Sums				

Item No			Quantity	Rate	Amount R
	MINIMUM TARGETED ENTERPRISE DEVELOPMENT				
	A provisional amount has been allowed for in the execution of this project as described in C3.1 Project Specifications. The provisional amount allowed is for the appointment of training coordinator, mentor, training service providers and training of the beneficiary enterprises including monitoring and monthly reporting.	PS	1	R366 421,23	R366 421,23
	Allowance for profit all inclusive of associated costs to the contractor for implementation.	%			
	Allowance for attendance all inclusive of associated costs to the contractor for implementation.	%			
	LABOUR INTENSIVE PARTICIPATION GOAL				
	Labour Intensive Participation Goal - Allowance for monthly reporting of labour intensive works by main contractor based on determination by Employer taking into account specific project variables. Allowance for monitoring and monthly reporting on Works executed by means of Labour Intensive methods by main contractor and subcontractors based on determination by Employer taking into account specific project variables	PS	1	R72 000,00	R72 000,00
	Allowance for profit all inclusive of associated costs to the contractor for implementation.				
	Allowance for attendance all inclusive of associated costs to the contractor for implementation.				
	Carried to Collection			R	
	SECTION NO.4 – ASBESTOS REPLACEMENT				
	Bill No. 1				
	Provisional Sums				

**LOUISIANA PRIMARY SCHOOL
REPLACEMENT OF ASBESTOS PROGRAMME**

Section No	<u>FINAL SUMMARY</u>	Page No		Amount
1	PRELIMINARIES	54		
2	BUILDING WORKS	115		
3	EXTERNAL WORKS	126		
4	PROVISIONAL SUMS AND BUDGETARY ALLOWANCE	127		
	Sub Total		R	
	<u>Contingencies:</u>			
	Provide 5% (FIVE PERCENT) for Contingency to be used as directed by the Architect/ Client and deducted in whole or part if not required	Item		
	Sub Total		R	
	<u>Add:</u> Value Added Tax at 15%		R	
	Carried to Form of Tender		R	