

SECTION 1**PRELIMINARIES****MEANING OF TERMS "TENDER / TENDERER"**

Any reference to the words "Tender" or "Tenderer" herein and/or in any other documentation shall be construed to have the same meaning as the words "Bid" or "Bidder"

PRELIMINARIES

The JBCC Preliminaries Code 2103, May 2005 edition for use with the JBCC Principal Building Agreement Edition 4.1 Code 2101, March 2005 is taken to be incorporated herein. The tenderer is deemed to have referred to these documents for the full intent and meaning of each clause. These clauses are referred to by number and heading only. Where standard clauses or options are not applicable to the contract such modifications or corrections as are necessary are given under each relevant clause. Where an item is not relevant to this specific contract such item is marked "N/A" signifying "Not Applicable"

PRICING OF PRELIMINARIES

Should Option A, as set out in clause B10.3.1 hereinafter be used for the adjustment of preliminaries then each item priced is to be allocated to one or more of the three categories Fixed, Value Related or Time Related and the respective amounts entered in the spaces provided under each item

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

SECTION A: JBCC PRINCIPAL BUILDING AGREEMENT**DEFINITIONS**

A1.0

DEFINITIONS AND INTERPRETATION

Clause 1.0

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

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

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

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

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

"**CONSTRUCTION PERIOD**" means the period commencing on the date on which possession of the **site** is given to the contractor and ending on the date of **practical completion**

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

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

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

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

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

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

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

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

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

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

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

Clause 1.6.4 is amended by replacing it with the following:

No clause

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

OBJECTIVE AND PREPARATION

A2.0

OFFER, ACCEPTANCE AND PERFORMANCE

Clause 2.0

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

A3.0

DOCUMENTS

Clause 3.0

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

Clause 3.2.2 is amended by removing the reference to:

No clause

Clause 3.7 is amended by the addition of the following:

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

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

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

A4.0	DESIGN RESPONSIBILITY Clause 4.0 Clause 4.3 is amended by replacing it with the following: No clause Fixed: _____ Value related: _____ Time related: _____ Item
A5.0	EMPLOYER'S AGENTS Clause 5.0 Clause 5.1.2 is amended to include clauses 32.6.3, 34.3, 34.4 and 38.5.8 in terms of which the employer has retained its authority and has not given a mandate to the principal agent and in terms of which the employer shall sign all documents Fixed: _____ Value related: _____ Time related: _____ Item
A6.0	SITE REPRESENTATIVE Clause 6.0 Fixed: _____ Value related: _____ Time related: _____ Item
A7.0	COMPLIANCE WITH REGULATIONS Clause 7.0 Note: A separate clause has been included in Section C: Specific Preliminaries of the bills of quantities / lump sum document for the contractor to have the opportunity to price for all the requirements of the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification Fixed: _____ Value related: _____ Time related: _____ Item
A8.0	WORKS RISK Clause 8.0 Fixed: _____ Value related: _____ Time related: _____ Item
A9.0	INDEMNITIES Clause 9.0 Fixed: _____ Value related: _____ Time related: _____ Item
A10.0	WORKS INSURANCES Clause 10.0 Clause 10.0 is amended by the addition of the following clauses: 10.5 Damage to the Works (a) Without in any way limiting the contractor's obligations in terms of the contract, the contractor shall bear the full risk of damage to and/or destruction of the works by whatever cause during construction of the works and hereby indemnifies and holds harmless the employer against any such damage. The contractor shall take such precautions and security measures and other steps for the protection and security of the works as the contractor may deem necessary

- (b) The **contractor** shall at all times proceed immediately to remove or dispose of any debris arising from damage to or destruction of the **works** and to rebuild, restore, replace and/or repair the **works**
- (c) The **employer** shall carry the risk of damage to or destruction of the **works** and materials paid for by the **employer** that is the result of the excepted risks as set out in 10.6
- (d) Where the **employer** bears the risk in terms of this contract, the **contractor** shall, if requested to do so, reinstate any damage or destroyed portions of the **works** and the costs of such reinstatement shall be measured and valued in terms of 32.0 hereof

10.6 Injury to Persons or loss of or damage to Properties

- (a) The **contractor** shall be liable for and hereby indemnifies the **employer** against any liability, loss, claim or proceeding whether arising in common law or by statute, consequent upon personal injuries to or the death of any person whomsoever arising out of or in the course of or caused by the execution of the **works** unless due to any act or negligence of any person for whose actions the **employer** is legally liable
- (b) The **contractor** shall be liable for and hereby indemnifies the **employer** against any liability, loss, claim or proceeding consequent upon loss of or damage to any moveable or immovable or personal property or property contiguous to the **site**, whether belonging to or under the control of the **employer** or any other body or person, arising out of or in the course of or by reason of the execution of the **works** unless due to any act or negligence of any person for whose actions the **employer** is legally liable
- (c) The **contractor** shall, upon receiving a **contract instruction** from the **principal agent**, cause the same to be made good in a perfect and workmanlike manner at his own cost and in default thereof the **employer** shall be entitled to cause it to be made good and to recover the cost thereof from the **contractor** or to deduct the same from amounts due to the **contractor**
- (d) The **contractor** shall be responsible for the protection and safety of such portions of the premises placed under his control by the **employer** for the purpose of executing the **works** until the issue of the **certificate of practical completion**
- (e) Where the execution of the **works** involves the risk of removal of or interference with support to adjoining properties including land or structures or any structures to be altered or added to, the **contractor** shall obtain adequate insurance and will remain adequately insured or insured to the specific limit stated in the contract against the death of or injury to persons or damage to such property consequent on such removal or interference with the support until such portion of the **works** has been completed
- (f) The **contractor** shall at all times proceed immediately at his own cost to remove or dispose of any debris and to rebuild, restore, replace and/or repair such property and to execute the **works**

10.7 High risk insurance

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

10.7.1 Damage to the works

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

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

10.7.2 Injury to persons or loss of or damage to property

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

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

10.7.3 It is the responsibility of the **contractor** to ensure that he has adequate insurance to cover his risk and liability as mentioned in 10.7.1 and 10.7.2. Without limiting the **contractor's** obligations in terms of the contract, the **contractor** shall, within fourteen (14) **calendar days** of the **commencement date** but before commencement of the **works**, submit to the **employer** proof of such insurance policy, if requested to do so

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

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

A11.0 **LIABILITY INSURANCES**

Clause 11.0

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

A12.0 **EFFECTING INSURANCES**

Clause 12.0

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

A13.0 **No clause**

A14.0 **SECURITY**

Clause 14.0

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

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

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

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

14.2 In respect of contracts with a **contract sum** above R1 million, the **contractor** shall have the right to select the **security** to be provided in terms of 14.3, 14.4, 14.5, 14.6, or 14.7 as stated in the **schedule**. Such **security** shall be provided to the **employer** within fourteen (14) **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 fourteen (14) **calendar days** from **commencement date**, the **security** in terms of 14.7 shall be deemed to have been selected

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

14.3.1 The **contractor** shall furnish the **employer** with a cash deposit equal in value to ten per cent (10%) of the **contract sum** (excluding VAT) within fourteen (14) **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:

N/A

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 fourteen (14) **calendar days** from **commencement date**

N/A

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

N/A

14.4.3 The **employer** shall return the variable **construction guarantee** to the **contractor** within fourteen (14) **calendar days** of it expiring

N/A

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**

N/A

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) within fourteen (14) **calendar days** from **commencement date**

SECTION 1: PRELIMINARIES (SECTION A)

Each Item Carried to Collection

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

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 fourteen (14) **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)

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

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

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

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

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

Clause 15.0

Clause 15.1.1 is amended by replacing it with:

No clause

Clause 15.1.2 is amended by replacing it with:

The **security** selected in terms of 14.0

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

15.1.4 An acceptable health and safety plan, required in terms of the Occupational Health and Safety Act, 1993 (Act 85 of 1993), within fourteen (14) **calendar days of commencement date**

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

Give the **contractor** possession of the **site** within ten (10) **working days** of the **contractor** complying with the terms of 15.1.2 and 15.1.4

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

Clause 15.2.2 is amended by replacing it with:

No clause

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

A16.0 ACCESS TO THE WORKS

Clause 16.0

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

A17.0 CONTRACT INSTRUCTIONS

Clause 17.0

Clause 17.1.11 is amended by deleting the words "and the appointment of **nominated** and **selected subcontractors**"

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

A18.0 SETTING OUT OF THE WORKS

Clause 18.0

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

A19.0	ASSIGNMENT Clause 19.0 Fixed: _____ Value related: _____ Time related: _____ Item
A20.0	NOMINATED SUBCONTRACTORS Clause 20.0 Clause 20.1.3 is amended by replacing it with the following: No clause Note: See item B9.1 hereinafter for adjustment of attendance on nominated subcontractors executing work allowed for under provisional sums Fixed: _____ Value related: _____ Time related: _____ Item
A21.0	SELECTED SUBCONTRACTORS Clause 21.0 Clause 21 is amended by replacing it with: No clause Fixed: _____ Value related: _____ Time related: _____ Item
A22.0	EMPLOYER'S DIRECT CONTRACTORS Clause 22.0 Fixed: _____ Value related: _____ Time related: _____ Item
A23.0	CONTRACTOR'S DOMESTIC SUBCONTRACTORS Clause 23.0 Fixed: _____ Value related: _____ Time related: _____ Item COMPLETION
A24.0	PRACTICAL COMPLETION Clause 24.0 Fixed: _____ Value related: _____ Time related: _____ Item
A25.0	WORKS COMPLETION Clause 25.0 Fixed: _____ Value related: _____ Time related: _____ Item

SECTION 1: PRELIMINARIES (SECTION A)**Each Item Carried to Collection**

A26.0	FINAL COMPLETION Clause 26.0 Clause 26.1.2 is amended by inserting “#” next to 26.1.2 Fixed:_____ Value related:_____ Time related:_____ Item
A27.0	LATENT DEFECTS LIABILITY PERIOD Clause 27.0 Fixed:_____ Value related:_____ Time related:_____ Item
A28.0	SECTIONAL COMPLETION Clause 28.0 Fixed:_____ Value related:_____ Time related:_____ Item
A29.0	REVISION OF DATE FOR PRACTICAL COMPLETION Clause 29.0 Clause 29.2.5 is amended by replacing it with: No clause Fixed:_____ Value related:_____ Time related:_____ Item
A30.0	PENALTY FOR NON-COMPLETION Clause 30.0 Fixed:_____ Value related:_____ Time related:_____ Item
A31.0	PAYMENT INTERIM PAYMENT TO THE CONTRACTOR Clause 31.0 Clause 31.5.2 is amended by replacing “14.7.1” with “14.0” Clause 31.6.5 is amended by removing the reference to: No Clause And the addition of the following clause: NO DEPOSITS due by the Contractor to any supplier or sub-contractor for materials or equipment will be included in any valuation prior to the delivery to the site of such materials or equipment after which it will be treated as materials on site in terms of clause 31 of the Principal Building Agreement Clause 31.8 is amended by replacing it with the following two alternative clauses: Alternative A

31.8(A) Where a **security** is selected in terms of 14.1; 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:

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

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** as a payment reduction in terms of 14.7 has been selected, the value of the **works** in terms of 31.4.1 and **materials and goods** in terms of 31.4.2 shall be certified in full. The value certified shall be subject to the following percentage adjustments:

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

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

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

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

Clause 31.9 is amended by replacing "twenty-one (21) **calendar days**" with "thirty (30) **calendar days**"

Clause 31.9 is further amended by the addition of the following:

"Should the Service Provider's tax clearance certificate expire during the contract period, the Employer shall be entitled to withhold payment without incurring any liability for interest, until a valid tax clearance certificate is submitted to the Employer, at which point, upon the date, the thirty (30) day period for due date of payment of the invoice shall commence."

Clause 31.12 is amended by deleting the following:

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

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

Clause 32.13 is amended by the addition of the following clause:

Clause 5.1 of the JBCC CPAP shall be deemed to be amended as follows:

Xe = the value of the index applicable to such work group and the valuation period for the month in which the payment certificate is dated

A32.0

ADJUSTMENT TO THE CONTRACT VALUE

Clause 32.0

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

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

Fixed:_____ Value related:_____ Time related:_____

Item

A33.0

RECOVERY OF EXPENSE AND LOSS

Clause 33.0

Add the following clauses 33.2.9 to 33.2.13:

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

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

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

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

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

Fixed:_____ Value related:_____ Time related:_____

Item

A34.0

FINAL ACCOUNT AND FINAL PAYMENT

Clause 34.0

Clause 34.1 is amended by removing “#” next to 34.1

Clause 34.2 is amended by inserting “#” next to 34.2

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

Clause 34.13 is amended by replacing “seven (7) **calendar days**” with “thirty (30) **calendar days**” and deleting the words “subject to the **employer** giving the **contractor** a tax invoice for the amount due”

Fixed:_____ Value related:_____ Time related:_____

Item

A35.0

PAYMENT TO OTHER PARTIES

Clause 35.0

Fixed:_____ Value related:_____ Time related:_____

Item**SECTION 1: PRELIMINARIES (SECTION A)****Each Item Carried to Collection**

CANCELLATION

A36.0

CANCELLATION BY EMPLOYER – CONTRACTOR’S DEFAULT

Clause 36.0

Clause 36.1 is amended by the addition of the following clauses:

36.1.3 refuses or neglects to comply strictly with any of the conditions of contract

36.1.4 estate being sequestrated, liquidated or surrendered in terms of the insolvency laws in force within the Republic of South Africa

36.1.5 in the judgement of the **employer**, has engaged in **corrupt** or **fraudulent practices** in competing for or in executing the contractClause 36.3 is amended by removing the reference to “No clause” and replacing the words “**principal agent**” with “**employer**”

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

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

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

A37.0

CANCELLATION BY EMPLOYER – LOSS AND DAMAGE

Clause 37.0

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

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

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

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

A38.0

CANCELLATION BY CONTRACTOR – EMPLOYER’S DEFAULT

Clause 38.0

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

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

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

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

A39.0	CANCELLATION – CESSATION OF THE WORKS Clause 39.0 Clause 39.3.5 is amended by the addition of the following at the end of the sentence: “within one hundred and twenty (120) working days of completion of such a report” Fixed: _____ Value related: _____ Time related: _____ Item DISPUTE
A40.0	DISPUTE SETTLEMENT Clause 40.0 Clause 40.2.2 is amended by replacing “one (1) year” with “three (3) years” Clause 40.6 is amended by removing the reference to: No clause Clause 40.7.1 is amended by replacing “(10)” with “(15)” and by the addition of the following: Whether or not mediation resolves the dispute, the parties shall bear their own costs concerning the mediation and equally share the costs of the mediator and related costs Fixed: _____ Value related: _____ Time related: _____ Item SUBSTITUTE PROVISIONS
A41.0	STATE CLAUSES Clause 41.0 Fixed: _____ Value related: _____ Time related: _____ Item CONTRACT VARIABLES
A42.0	THE SCHEDULE (C1.2: CONTRACT DATA) Clause 42.0 Tenderers are referred to document C1.2: Contract Data (Volume 1) for variables pertaining to this contract Fixed: _____ Value related: _____ Time related: _____ Item

SECTION 1: PRELIMINARIES (SECTION A)**Each Item Carried to Collection**

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

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

Fixed: _____ Value related: _____ Time related: _____

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

Fixed: _____ Value related: _____ Time related: _____

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

Fixed: _____ Value related: _____ Time related: _____

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

Fixed: _____ Value related: _____ Time related: _____

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

Fixed: _____ Value related: _____ Time related: _____

N/A**B2.5 *Priced documents***

Fixed: _____ Value related: _____ Time related: _____

Item**B2.6 *Tender submission***

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

Fixed: _____ Value related: _____ Time related: _____

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

Fixed: _____ Value related: _____ Time related: _____

Item**B3.2 *Geotechnical investigation***

Fixed: _____ Value related: _____ Time related: _____

Item**SECTION 1: PRELIMINARIES (SECTION C)****Each Item Carried to Collection**

B3.3	<i>Inspection of the site</i> Tenderers shall complete the Tender briefing meeting attendance certificate and return the same with the tender submission. Tenderers are encouraged to inspect the various school sites as they deem necessary. Fixed: _____ Value related: _____ Time related: _____ Item
B3.4	<i>Existing premises occupied</i> Fixed: _____ Value related: _____ Time related: _____ Item
B3.5	<i>Previous work – dimensional accuracy</i> Fixed: _____ Value related: _____ Time related: _____ N/A
B3.6	<i>Previous work – defects</i> Fixed: _____ Value related: _____ Time related: _____ N/A
B3.7	<i>Services – known</i> Fixed: _____ Value related: _____ Time related: _____ Item
B3.8	<i>Services – unknown</i> Fixed: _____ Value related: _____ Time related: _____ Item
B3.9	<i>Protection of trees</i> Fixed: _____ Value related: _____ Time related: _____ Item
B3.10	<i>Articles of value</i> Fixed: _____ Value related: _____ Time related: _____ Item
B3.11	<i>Inspection of adjoining properties</i> Fixed: _____ Value related: _____ Time related: _____ Item
B4.0	MANAGEMENT OF CONTRACT
B4.1	<i>Management of the works</i> Fixed: _____ Value related: _____ Time related: _____ Item
B4.2	<i>Programme for the works</i> Fixed: _____ Value related: _____ Time related: _____ Item
B4.3	<i>Progress meetings</i> Fixed: _____ Value related: _____ Time related: _____ Item

SECTION 1: PRELIMINARIES (SECTION C)**Each Item Carried to Collection**

B4.4	Technical meetings	Fixed: _____ Value related: _____ Time related: _____	Item
B4.5	Labour and plant records	Fixed: _____ Value related: _____ Time related: _____	Item
B5.0	SAMPLES, SHOP DRAWINGS AND MANUFACTURERS' INSTRUCTIONS		
B5.1	Samples of materials	Fixed: _____ Value related: _____ Time related: _____	Item
B5.2	Workmanship samples	Fixed: _____ Value related: _____ Time related: _____	Item
B5.3	Shop drawings	Fixed: _____ Value related: _____ Time related: _____	Item
B5.4	Compliance with manufacturers' instructions	Fixed: _____ Value related: _____ Time related: _____	Item
B6.0	TEMPORARY WORKS AND PLANT		
B6.1	Deposits and fees	Fixed: _____ Value related: _____ Time related: _____	Item
B6.2	Enclosure of the works	Fixed: _____ Value related: _____ Time related: _____	Item
B6.3	Advertising	Fixed: _____ Value related: _____ Time related: _____	Item
B6.4	Plant, equipment, sheds and offices	Fixed: _____ Value related: _____ Time related: _____	Item
B6.5	Main notice board	Fixed: _____ Value related: _____ Time related: _____	Item
B6.6	Subcontractors' notice board	Fixed: _____ Value related: _____ Time related: _____	N/A

B7.0	TEMPORARY SERVICES			
B7.1	<i>Location</i>			
	Fixed: _____ Value related: _____ Time related: _____			Item
B7.2	<i>Water</i>			
	Fixed: _____ Value related: _____ Time related: _____			Item
B7.3	<i>Electricity</i>			
	Fixed: _____ Value related: _____ Time related: _____			Item
B7.4	<i>Telecommunication facilities</i>			
	Fixed: _____ Value related: _____ Time related: _____			Item
B7.5	<i>Ablution facilities</i>			
	Fixed: _____ Value related: _____ Time related: _____			Item
B8.0	PRIME COST AMOUNTS			
B8.1	<i>Responsibility for prime cost amounts</i>			
	Fixed: _____ Value related: _____ Time related: _____			Item
B9.0	ATTENDANCE ON N/S SUBCONTRACTORS			
B9.1	<i>General attendance</i>			
	Fixed: _____ Value related: _____ Time related: _____			Item
B9.2	<i>Special attendance</i>			
	Fixed: _____ Value related: _____ Time related: _____			N/A
B9.3	<i>Commissioning – fuel, water and electricity</i>			
	Fixed: _____ Value related: _____ Time related: _____			Item
B10.0	FINANCIAL ASPECTS			
B10.1	<i>Statutory taxes, duties and levies</i>			
	Fixed: _____ Value related: _____ Time related: _____			Item
B10.2	<i>Payment for preliminaries</i>			
	Fixed: _____ Value related: _____ Time related: _____			Item

B10.3	<i>Adjustment of preliminaries</i> Clauses B10.3.1 and B10.3.2 are amended by replacing “within fifteen (15) working days of taking possession of the site ” with “when submitting his priced bills of quantities / lump sum document ” Fixed: _____ Value related: _____ Time related: _____ Item
B10.4	<i>Payment certificate cash flow</i> Fixed: _____ Value related: _____ Time related: _____ Item
B11.0	GENERAL
B11.1	<i>Protection of the works</i> Fixed: _____ Value related: _____ Time related: _____ Item
B11.2	<i>Protection / isolation of existing / sectionally occupied works</i> Fixed: _____ Value related: _____ Time related: _____ Item
B11.3	<i>Security of the works</i> Fixed: _____ Value related: _____ Time related: _____ Item
B11.4	<i>Notice before covering work</i> Fixed: _____ Value related: _____ Time related: _____ Item
B11.5	<i>Disturbance</i> Fixed: _____ Value related: _____ Time related: _____ Item
B11.6	<i>Environmental disturbance</i> Fixed: _____ Value related: _____ Time related: _____ Item
B11.7	<i>Works cleaning and clearing</i> Fixed: _____ Value related: _____ Time related: _____ Item
B11.8	<i>Vermin</i> Fixed: _____ Value related: _____ Time related: _____ Item
B11.9	<i>Overhand work</i> Fixed: _____ Value related: _____ Time related: _____ Item
B11.10	<i>Instruction manuals and guarantees</i> Fixed: _____ Value related: _____ Time related: _____ Item

B11.11	As built information	Fixed: _____ Value related: _____ Time related: _____	Item
B11.12	Tenant installations	Fixed: _____ Value related: _____ Time related: _____	N/A
B12.0	SCHEDULE OF VARIABLES		
B12.1	Pre-tender information	Fixed: _____ Value related: _____ Time related: _____	Item
This schedule contains all variables referred to in this document and is divided into pre-tender and post-tender categories. The pre-tender category must be completed in full and included in the tender documents. Both the pre-tender and post-tender categories form part of these Preliminaries Spaces requiring information must be filled in, shown as “not applicable” or deleted and not left blank. Where choices are offered, the non-applicable items are to be deleted. Where insufficient space is provided the information should be annexed hereto and cross-referenced to the applicable clause of the schedule. Key cross reference clauses are italicised in [] brackets			
12.1	PRE-TENDER INFORMATION		
12.1.1	<i>Provisional bills of quantities</i>		
[2.2]	<i>The quantities are provisional</i>	(yes/no)	Yes
12.1.2	<i>Availability of construction documentation</i>		
[2.3]	<i>Construction documentation is complete</i>	(yes/no)	No
12.1.3	<i>Interests of agents</i>		
[2.4]	Details: N/A		
12.1.4	<i>Defined works area</i>		
[3.1]	Details: The area of the works to be occupied by the contractor , any restrictions on the area and the limit of access or exit will be pointed out to the tenderers by the principal agent at the pre-tender site inspection.		
12.1.5	<i>Geotechnical investigation</i>		
[3.2]	Details: N/A		
12.1.6	<i>Existing premises occupied</i>		
[3.4]	Specific requirements: N/A		
12.1.7	<i>Previous work – dimensional accuracy</i>		
[3.5]	Details: N/A		
12.1.8	<i>Previous work – defects</i>		
[3.6]	Details: N/A		
12.1.9	<i>Services – known</i>		
[3.7]	Details: Services not indicated on drawings will be pointed out on site by the principal agent.		
12.1.10	<i>Protection of trees</i>		

SECTION 1: PRELIMINARIES (SECTION C)**Each Item Carried to Collection**

[3.9]	Specific requirements: Specific plants to be relocated will be pointed out to the contractor before site clearance takes place.		
12.1.11 [3.11]	Inspection of adjoining properties Specific requirements: All adjacent buildings, municipal roads, kerbs, paving, etc, shall be inspected before the commencement of the works and all existing defects recorded and a photographic record shall be kept.		
12.1.12 [6.2]	Enclosure of the works Specific requirements: The contractor must make provision for fencing the contractor's yard/camp site with a suitable fence at least 1,8m high with lockable access gates, which must be maintained during the construction period and removed on completion of the works .		
12.1.13 [6.4.3]	Offices 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 [6.5]	Main notice board Specific requirements: The contractor shall provide, erect where directed, maintain and remove on completion of the works a notice board size 2.75 x 3.7m as per the specification and the drawing annexed to these bills of quantities for tender purposes, constructed of suitable boarding with flat smooth surface and with edging bead 19mm thick round outer edges and projecting 12mm from face of boarding and rounded on front edge. The board shall be securely fixed to hoarding, where hoarding is provided, or fixed to and including a suitable supporting structure of timber or tubular posts and braces.		
12.1.15 [6.6]	Subcontractors' notice board A notice board is required Specific requirements: None	(yes/no)	No
12.1.16 [7.2]	Water Option A (by contractor) Option B (by employer – free of charge) Option C (by employer – metered)	(yes/no)	Yes No No
12.1.17 [7.3]	Electricity Option A (by contractor) Option B (by employer – free of charge) Option C (by employer – metered)	(yes/no)	Yes No No
12.1.18 [7.4]	Telecommunications Telephone Facsimile E-mail	(yes/no)	Yes No Yes
12.1.19 [7.5]	Ablution facilities Option A (by contractor) Option B (by employer)	(yes/no)	Yes No

SECTION 1: PRELIMINARIES (SECTION C)

Each Item Carried to Collection

12.1.20 [11.2]	Protection of existing/sectionally occupied works Protection is required (yes/no) Yes
12.1.21 [9.2]	Special attendance Subcontractor (1) details: N/A Subcontractor (2) details: N/A Subcontractor (3) details: N/A Subcontractor (4) details: N/A
12.1.22 [11.1]	Protection of the works Specific requirements: None
12.1.23 [11.5]	Disturbance Specific requirements: The contractor shall exercise dust and sand control by watering the site regularly and/or by using any other suitable measures such as providing, erecting and removing on completion of the works all necessary temporary dust screens, all to the satisfaction of the principal agent .
12.1.24 [11.6]	Environmental disturbance Specific requirements: N/A
12.2	POST-TENDER INFORMATION
12.2.1 [10.2]	Payment of preliminaries Option A (prorated) (yes/no) Yes Option B (calculated) (yes/no) No
12.2.2 [10.3]	Adjustment of preliminaries Option A (three categories) (yes/no) Yes Option B (detailed breakdown) (yes/no) No
12.2.3	Additional agreed preliminaries items Details:

SECTION C: SPECIFIC PRELIMINARIES

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

C1.0 CONTRACT DRAWINGS

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

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

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

C2.0 GENERAL PREAMBLES

The items in the **bills of quantities / lump sum document** are to be read and priced in conjunction with, and the descriptions regarded as amplified by, the "Model Preambles for Trades 2008" as published by the Association of South African Quantity Surveyors, and no claim arising from the brevity of descriptions of items fully described in the said Model Preambles for Trades will be entertained.

The Department of Public works Specification of Materials and Methods to be used (PW371 – 4th Revision Oct 1993) shall apply to the works.

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

C3.0 TRADE NAMES

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

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

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

C4.0 IMPORTED MATERIALS AND EQUIPMENT

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.

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)

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

C5.0 VIEWING THE SITE IN SECURITY AREAS

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

Fixed: _____ Value related: _____ Time related: _____
N/A

C6.0 COMMENCEMENT OF WORKS IN SECURITY AREAS

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

Fixed: _____ Value related: _____ Time related: _____
N/A

C7.0 ENTRANCE PERMITS TO SECURITY AREAS

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

Fixed: _____ Value related: _____ Time related: _____
N/A

C8.0 SECURITY CHECK OF PERSONNEL

The **principal agent** may require the **contractor** to have his personnel and workmen, or a certain number of them, security classified

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**

Fixed: _____ Value related: _____ Time related: _____
N/A

C9.0 PROHIBITION ON TAKING OF PHOTOGRAPHS

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

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

Fixed: _____ Value related: _____ Time related: _____
N/A

C10.0

OCCUPATIONAL HEALTH AND SAFETY ACT

The **contractor** shall comply with all the requirements set out in the Construction Regulations, 2003 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 / lump sum document**

The **contractor** must take note that compliance with the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is compulsory. In the event of partial or total non-compliance, the **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, as well as the clauses that follow hereafter and it is explicitly pointed out that all requirements of the aforementioned are deemed to be priced under these clauses and no additional claims in this regard shall be entertained

Fixed: _____ Value related: _____ Time related: _____

Item

C10.1

OCCUPATIONAL HEALTH AND SAFETY

Preparation of contractor's site specific health and safety plan

Fixed: _____ Value related: _____ Time related: _____

Item

C10.2

OCCUPATIONAL HEALTH AND SAFETY

Principal contractor's initial obligations in respect of the Health and Safety Act and Construction Regulations

Fixed: _____ Value related: _____ Time related: _____

Item

C10.3

OCCUPATIONAL HEALTH AND SAFETY

Principal contractor's time related obligations in respect of the Health and Safety Act and Construction Regulations

Fixed: _____ Value related: _____ Time related: _____

Item

C10.4

PROVISION OF PERSONAL PROTECTIVE EQUIPMENT (PPE)

Provision of reflective vests

Fixed: _____ Value related: _____ Time related: _____

Item

C10.5	PROVISION OF PERSONAL PROTECTIVE EQUIPMENT (PPE) Provision of hard hats Fixed: _____ Value related: _____ Time related: _____ Item
C10.6	PROVISION OF PERSONAL PROTECTIVE EQUIPMENT (PPE) Provision of protective footwear Fixed: _____ Value related: _____ Time related: _____ Item
C10.7	PROVISION OF PERSONAL PROTECTIVE EQUIPMENT (PPE) Provision of earplugs Fixed: _____ Value related: _____ Time related: _____ Item
C10.8	PROVISION OF PERSONAL PROTECTIVE EQUIPMENT (PPE) Provision of dust masks Fixed: _____ Value related: _____ Time related: _____ Item
C10.9	PROVISION OF PERSONAL PROTECTIVE EQUIPMENT (PPE) Provision of gloves Fixed: _____ Value related: _____ Time related: _____ Item
C10.10	PROVISION OF PERSONAL PROTECTIVE EQUIPMENT (PPE) Provision of high visibility overalls to SARTSM Chapter 13 Level 3 Fixed: _____ Value related: _____ Time related: _____ Item
C10.11	PROVISION OF PERSONAL PROTECTIVE EQUIPMENT (PPE) Provision of SANS approved ear defenders Fixed: _____ Value related: _____ Time related: _____ Item
C10.12	OCCUPATIONAL HEALTH AND SAFETY Provision of full time construction health and safety officer Fixed: _____ Value related: _____ Time related: _____ Item

C10.13 OCCUPATIONAL HEALTH AND SAFETY

Medical certificates and medical surveillance including initial (baseline) medical examinations, periodic examinations and exit examinations

Fixed: _____ Value related: _____ Time related: _____

Item

C10.14 OCCUPATIONAL HEALTH AND SAFETY

Induction training

Fixed: _____ Value related: _____ Time related: _____

Item

C10.15 OCCUPATIONAL HEALTH AND SAFETY

Provision of first aid boxes to GSR requirements

Fixed: _____ Value related: _____ Time related: _____

Item

C10.16 OCCUPATIONAL HEALTH AND SAFETY

Noise monitoring including establishment of noise zones (plant), audiograms (personnel), etc

Fixed: _____ Value related: _____ Time related: _____

Item

C10.17 OCCUPATIONAL HEALTH AND SAFETY

Submission of health and safety file

Fixed: _____ Value related: _____ Time related: _____

Item

C11.0 **TARGETED LOCAL LABOUR**

It is the requirement of the Client that the contractor enhances the number and range of people employed on the project. This is required to be done through the use of both traditional and labour intensive construction techniques.

The **contractor** shall comply with the following targets with regard to the employment of local labour:

- All unskilled labour to be employed on the project must be local labour,
- Contractor to endeavour to employ local semi-skilled and skilled labour,
- Local labour to be employed on the project to be residents from geographic area of the Local Municipality within which each school is situated or,
- the geographic area excluding the Local Municipality, which falls under the jurisdiction of the District Municipality.
- Preference shall be granted to competent labour residing within the Local Municipality above labour residing in the District Municipality.
- Refer C4 Site Information for Local and District Municipalities applicable to each school.

The **contractor** is to submit to the principal agent details of his plan to achieve this aspect, within five working days of being instructed to do so, where after it must be implemented. Should the contractor fail to implement this requirement as indicated above, the contractor shall be liable to the employer for the payment of a penalty amount equal to 2% of the financial value that should have been achieved for this target.

Suitable monthly reports to substantiate compliance with the above requirements shall be submitted by the **contractor** to the **Principal Agent**.

Fixed: _____ Value related: _____ Time related: _____

Item

C12.0 **USE OF LOCAL EME's AND QSE's**

It is the requirement of the **employer** that the **contractor** enhances the use of EME's and QSE's, as described in the Contract Data, on the project.

The contractor shall employ EME's and QSE's as domestic subcontractors on this project to execute work to the minimum value of **30%** of the contract value (excluding preliminaries and any allowances for contingencies, CPAP and direct contractors or consultants of the Employer).

The Targeted Local Labour requirements described elsewhere shall apply *mutatis mutandis* to the employment of EME's and QSE's.

The **contractor** is to submit to the principal agent details of his plan to achieve this aspect, within five working days of being instructed to do so, whereafter it must be implemented. Should the contractor fail to implement this requirement as indicated above, the contractor shall be liable to the employer for the payment of a penalty amount equal to 2% of the financial value that should have been achieved for this target.

Suitable monthly reports to substantiate compliance with the above requirements shall be submitted by the **contractor** to the **Principal Agent**.

Fixed: _____ Value related: _____ Time related: _____

N/A

C13.0 USE OF LOCAL BUILDING MATERIALS

Preference shall be given to the supply of materials produced or manufactured in the Eastern Cape Province, and provided that:

- (a) Such materials comply in all respects with the specific requirements of PW371-A specification
- (b) The availability of such materials shall not adversely affect the desired progress of the specific works
- (c) The use of such materials shall not constitute grounds for any claim for increased cost in respect thereof
- (d) Materials of at least **10%** of the contract value (excluding preliminaries and any allowances for contingencies, CPAP and direct contractors or consultants of the Employer) to be sourced from within 150km of the project site
- (e) Materials of at least **20%** of the contract value (excluding preliminaries and any allowances for contingencies, CPAP and direct contractors or consultants of the Employer) to be sourced from within 400km of the project site

Suitable monthly reports to substantiate compliance with the above requirements shall be submitted by the **contractor** to the **Principal Agent**.

Fixed: _____ Value related: _____ Time related: _____
N/A

C14.0 REPORTING BY CONTRACTOR

The **contractor** is required to complete the mandatory monthly contractor's report which is to be submitted together with the contractor's payment certificate.

Payment to contractor shall be subject to the aforementioned being submitted timeously and accurately.

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

C15.0 COMMUNITY LIAISON OFFICER

C15.1 Provide the amount of R 175 000.00 for a Community Liaison Officer (CLO) to be appointed.

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

C15.2 Profit and attendance on above item.

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

C15.3 Allow for extra cost involved in the employment of a Community Liaison Officer (CLO) in respect of the site office.

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

SECTION NO. 2
NEW BUILDINGS

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 2</u> <u>NEW BUILDINGS</u> <u>BILL NO. 1</u> <u>ALTERATIONS</u> <u>PREAMBLES</u> For Preambles refer to "Department of Public Works & Infrastructure: Specuification of materials and methods to be used - PW371" <u>SUPPLEMENTARY PREAMBLES</u> <u>Proprietary products in descriptions</u> Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent. <u>View site</u> Before submitting the tender the tenderer shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials salvageable from the alterations. No claim for any variations of the contract sum in respect of the nature and extent of the work or of inferior or damaged materials will be entertained. <u>Explosives</u> No explosives whatsoever may be used for alteration purposes unless otherwise stated. <u>General</u> Prices for taking out of doors, windows, etc shall include for removal of all beads, architraves, ironmongery, etc. With regard to building up of openings in existing walls, cement screeds and pavings, granolithic, tops of walls, etc, shall be levelled and prepared for raising of brickwork. Making good of finishes shall include making good of the brick and concrete surfaces onto which the new finishes are applied, where necessary. The contractor will be required to take all dimensions affecting the existing buildings on the site and he will be held solely responsible for the accuracy of all such dimensions where used in the manufacture of new items (doors, windows, fittings, etc.).				
Carried to Collection			R	
Section No. 2 Bill No. 1 Alterations				

		Unit	Quantity	Rate	Amount
<u>REMOVAL OF EXISTING WORK</u>					
<u>Breaking up and removing unreinforced concrete</u>					
1	Steps.	m ³	1		
2	300mm Thick surface beds.	m ²	119		
<u>Taking out and removing doors, windows, etc, including thresholds, sills, etc., and building up openings in brick walls, including making good cement plaster on both sides (making good paintwork elsewhere)</u>					
3	Timber single door and steel frame 813 x 2032mm high overall from one brick wall.	No	5		
4	Glazed steel window brick wall.	No	10		
<u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc</u>					
5	Corrugated sheet steel roof covering and timber purlins.	m ²	150		
6	Gypsum plasterboard ceilings, including timber brandering, cornices, etc.	m ²	119		
<u>OPENINGS THROUGH EXISTING WALLS ETC</u>					
<u>Altering openings</u>					
7	Altering opening in one brick wall where 813 x 2032 mm high steel timber door removed to form opening for new double door and frame 813 x 2032mm high overall by breaking out brickwork on both sides and bottom, including prestressed concrete lintels, making good cement plaster on one side and into reveals and brickwork on other side and into reveals and with 20 MPa concrete threshold with steel trowelled finish (new door and frame and making good paintwork elsewhere).	No	1		
Carried to Collection				R	
Section No. 2					
Bill No. 1					
Alterations					

BILL NO. 1
ALTERATIONS
COLLECTION

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Section No. 2
Bill No. 1
Alterations

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 2</u> <u>NEW BUILDINGS</u> <u>BILL NO. 2</u> <u>EARTHWORKS</u> <u>PREAMBLES</u> For Preambles refer to "Department of Public Works & Infrastructure: Specification of materials and methods to be used - PW371" <u>SUPPLEMENTARY PREAMBLES</u> <u>Proprietary products in descriptions</u> Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent. <u>Nature of material to be excavated</u> The material to be excavated is assumed to be predominantly of a composition that will allow excavation in "earth" as specified, but including a percentage of excavation in "soft rock" and "hard rock". <u>Carting away of excavated material</u> Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations, or alternatively, from stock piles situated on the building site. <u>Dewatering of excavations</u> The contractor shall allow for removing seepage and other water from subterranean sources from the excavations by pumping, baling or otherwise. Accurate records of all such dewatering shall be kept to determine the total volume of water so removed and a clear distinction shall be made between water from subterranean sources and other water. <u>Density testing on filling</u> Rates for filling, etc. shall include for all density and soil type testing to prove that the specified compaction is achieved. When additional testing is done on instruction of the Principal Agent and these tests are successful, they will be paid for additionally.				
Carried to Collection			R	
Section No. 2				
Bill No. 2				
Earthworks				

		Unit	Quantity	Rate	Amount
<u>EXCAVATION, ETC</u>					
<u>Excavation in earth not exceeding 2m deep</u>					
1	Surface trenches. (Labour intensive).	m ³	9		
<u>Extra over trench and hole excavations in earth for excavation in</u>					
2	Soft rock.	m ³	1		
3	Hard rock.	m ³	1		
<u>Extra over all excavations for carting away</u>					
4	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor. (Labour intensive).	m ³	3		
5	Ditto, but spread and levelled within 100m radius over site (Labour intensive).	m ³	9		
<u>Risk of collapse of excavations</u>					
6	Sides of trenches and hole excavations not exceeding 1.5m deep.	m ²	25		
<u>Keeping excavations free from water</u>					
7	Keeping excavations free from mud and all water other than from subterranean sources. (Labour intensive).	Item			
<u>Dewatering</u>					
8	Removal of seepage and other water from subterranean sources from excavations. (Labour intensive).	Item			
<u>FILLING, ETC</u>					
<u>Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 93% Mod AASHTO density</u>					
9	Under floors, etc. (Labour intensive).	m ³	1		
10	Backfilling to trenches, holes, etc. (Labour intensive).	m ³	4		
<u>Earth filling G7 supplied by the contractor compacted to 93% Mod AASHTO density</u>					
11	Under floors, etc. (Labour intensive).	m ³	1		
<u>Earth filling G5 supplied by the contractor compacted to 93% Mod AASHTO density</u>					
12	Under floors, etc. (Labour intensive).	m ³	1		
Carried to Collection				R	
Section No. 2					
Bill No. 2					
Earthworks					

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BILL NO. 2
EARTHWORKS
COLLECTION

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Section No. 2
Bill No. 2
Earthworks

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 2</u>				
<u>NEW BUILDINGS</u>				
<u>BILL NO. 3</u>				
<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>				
<u>PREAMBLES</u>				
For Preambles refer to "Department of Public Works & Infrastructure: Specification of materials and methods to be used - PW371"				
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>Proprietary products in descriptions</u>				
Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.				
<u>Cost of tests</u>				
Descriptions of concrete items shall be deemed to include for all necessary testing of concrete components and trial mixes.				
The costs of making, storing and testing of concrete test cubes as required shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the architect. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval of the Principal Agent. (Test cubes are measured separately).				
<u>UBREINFORCED CONCRETE</u>				
<u>20 MPa/19mm concrete</u>				
1	Surface blinding under footings and bases. (Provisional).	m ³	1	
<u>REINFORCED CONCRETE</u>				
<u>25 MPa/19mm concrete</u>				
2	Strip footing.	m ³	2	
3	Ramps.	m ³	3	
4	Surface beds.	m ³	19	
5	Stairs including landing, beams and inverted beams.	m ³	4	
<u>CONCRETE TESTING</u>				
6	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional).	No	6	
Carried to Collection			R	
Section No. 2				
Bill No. 3				
Concrete, Formwork And Reinforcement				

		Unit	Quantity	Rate	Amount
<u>CONCRETE SUNDRIES</u>					
<u>Finishing top surfaces of concrete smooth with a wood float</u>					
7	Surface beds, slab, etc.	m ²	129		
<u>ROUGH FORMWORK</u>					
<u>Formwork to</u>					
8	Edges, risers, end and reveals not exceeding 300mm high or wide.	m	20		
<u>MOVEMENT JOINTS, ETC</u>					
<u>Expansion joints with bitumen impregnated softboard between vertical concrete or brick surfaces</u>					
9	10mm Joints not exceeding 300mm high (Provisional).	m	84		
<u>REINFORCEMENT (Provisional)</u>					
<u>Fabric reinforcement</u>					
10	Ref. 193 fabric reinforcement in concrete surface beds, slabs, etc.	m ²	129		
<u>Mild steel reinforcement</u>					
11	10mm Diameter bars.	Tonnes	1		
<u>High steel reinforcement</u>					
12	10mm Diameter bars.	Tonnes	1		
13	12mm Diameter bars.	Tonnes	1		
Carried to Collection				R	
Section No. 2					
Bill No. 3					
Concrete, Formwork And Reinforcement					

BILL NO. 3

CONCRETE, FORMWORK AND REINFORCEMENT

COLLECTION

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Section No. 2

Bill No. 3

Concrete, Formwork And Reinforcement

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 2</u> <u>NEW BUILDINGS</u> <u>BILL NO. 4</u> <u>MASONRY</u> <u>PREAMBLES</u> For Preambles refer to "Department of Public Works & Infrastructure: Specification of materials and methods to be used - PW371" <u>SUPPLEMENTARY PREAMBLES</u> <u>Proprietary products in descriptions</u> Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent. <u>BRICKWORK</u> <u>Sizes in descriptions</u> Where sizes in descriptions are given in bricks units, "one brick" shall be the length and "half brick" the width of a brick. <u>Cement mortar</u> Unless otherwise described, all brickwork shall be built in 1:6 cement mortar. <u>Face bricks</u> Bricks shall be ordered timeously to obtain uniformity in size and colour. <u>Pointing</u> Description of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc. <u>Samples, etc.</u> Rates for brickwork, faced brickwork, etc shall include for all required samples. <u>Brickwork of NFX bricks in foundations (Provisional)</u>				
1	m ²	10		
<u>Brickwork of NFP bricks</u>				
2	m ²	27		
Carried to Collection			R	
Section No. 2 Bill No. 4 Masonry				

BILL NO. 4
MASONRY
COLLECTION

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Section No. 2
Bill No. 4
Masonry

WATERPROOFING

PREAMBLES

For Preambles refer to "Department of Public Works & Infrastructure: Specification of materials and methods to be used - PW371"

SUPPLEMENTARY PREAMBLES

Proprietary products in descriptions

Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.

DAMPPROOFING OF WALLS AND FLOORS

One layer of 375 micron embossed damp proof course

- 1 Below walls and cills.

 m^2

2

One layer of 250 micron USB green waterproof sheeting sealed at laps with pressure sensitive tape

- 2 Under surface beds.

 m^2

10

WATERPROOFING TO ROOFS, BASEMENTS ETC

Glass fibre bandage flashing membrane set in two coats bitumen flashing compound:

- 3 Bandage flashing 150mm wide to roof. (Provisional).

m

4

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Waterproofing

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 2</u> <u>NEW BUILDINGS</u> <u>BILL NO. 6</u> <u>ROOF COVERINGS</u> <u>PREAMBLES</u> For Preambles refer to "Department of Public Works & Infrastructure: Specification of materials and methods to be used - PW371" <u>SUPPLEMENTARY PREAMBLES</u> <u>Proprietary products in descriptions</u> Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent. <u>Fixing</u> Fixing shall be done according to SABS 1200HB with minimum 225mm end laps. <u>Guarantee</u> The contractor will be required to provide a written guarantee, stating that: The roof sheeting is of the specified thickness. The client is indemnified against any defects, including colour deterioration for a minimum period of 15 years. <u>STEEL ROOF SHEETING AND ACCESSORIES</u> <u>0.6mm Thick brown "Chromadek" or similar approved roof sheeting to be fixed onto 75 x 50mm SA pine purlins by self-tapping screws with roof flashing and all necessary waterproofing items.</u>				
1	m ²	16		
2	m	3		
3	m	5		
Carried to Collection			R	
Section No. 2 Bill No. 6 Roof Coverings				

	Unit	Quantity	Rate	Amount
<u>ROOF AND WALL INSULATION</u>				
<u>"Super Sisalation" 405 multi-purpose reinforced aluminium foil insulation double sided, light grammege, durable, reflective foil laminate incorporation layers of aluminium foil, high stretch kraft paper and reinforcing scrim bonded together with low density polythlyne</u>				
4 Insulation laid taut over purlins (at approximately 1m centers) and fixed concurrent with roof covering, including taped laps and nylon / galvanised straining wires.	m ²	15		
Carried to Collection			R	
Section No. 2				
Bill No. 6				
Roof Coverings				

BILL NO. 6
ROOF COVERINGS
COLLECTION

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Section No. 2
Bill No. 6
Roof Coverings

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 2</u> <u>NEW BUILDINGS</u> <u>BILL NO. 7</u> <u>CARPENTRY AND JOINERY</u> <u>PREAMBLES</u> For Preambles refer to "Department of Public Works & Infrastructure: Specification of materials and methods to be used - PW371" <u>SUPPLEMENTARY PREAMBLES</u> <u>Proprietary products in descriptions</u> Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent. <u>Roof trusses</u> The truss system shall be designed by an Engineer and the Contractor shall complete and submit a certificate of confirmation. This certificate will state that the trusses have been designed, manufactured and erected in accordance with the relevant SABS code. The details of the registered engineer certifying this will appear on the certificate. <u>Joinery</u> Descriptions of frames shall be deemed to include frames, transoms, mullions, rails, etc. Description of hardwood joinery shall be deemed to include pelleting of bolts holes. <u>Fixing</u> All nailing of timber roof trusses, purlins, etc shall be done with galvanised nails. In coastal areas, copper, aluminium or stainless steel nails shall be used. Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete. Where items are described as "bolted" the bolts have been measured elsewhere.				
Carried to Collection			R	
Section No. 2 Bill No. 7 Carpentry And Joinery				

		Unit	Quantity	Rate	Amount
<u>PREFABRICATED ROOF TRUSSES, ETC</u>					
<u>Plate nailed timber roof truss construction</u>					
1	Provide the amount of R50 000.00 (Fifty Thousand Rand) for supply and installation / erection of prefabricated MiTek or similar approved timber roof trusses designed in accordance with part "A" and "L" of the national building regulations. Trusses should be supplied complete to engineer's specification (including bracing and sundries).	Item			
2	Allow for profit.	Item			
3	Allow for attendance.	Item			
<u>ROOFS, ETC</u>					
<u>Treated sawn softwood</u>					
4	38 x 114mm Wall plates.	m	8		
5	50 x 76mm Purlins.	m	16		
<u>EAVES, VERGES, ETC</u>					
<u>Medium density plain grooved Nu-tec</u>					
6	12 x 225mm Fascia boards, fixed to timber rafters twice with 12 x 40mm countersunk brass screws with PVC H-profile corner joiner at boards end.	m	35		
7	12 x 225mm Barge boards, fixed to timber twice with 12 x 40mm countersunk brass screws with PVC H-profile corner joiner at boards end.	m	24		
<u>SKIRTINGS</u>					
<u>Wrought meranti</u>					
8	225 x 12mm Meranti hardwood skirting fixed onto walls above selected floor finish and sealed with approved wood sealant all per manufacture's recommendation.	m	86		
<u>DOORS, ETC</u>					
<u>Heavy duty exterior medium density fibre solid doors, with commercial veneer both sides and with hardwood edge strips, tongued and grooved on to edges.</u>					
9	44mm Single flush door, size 813 x 2032mm high.	No	1		
Carried to Collection				R	
Section No. 2					
Bill No. 7					
Carpentry And Joinery					

		Unit	Quantity	Rate	Amount
	<u>Heavy duty interior medium density fibre solid doors with commercial venner both sides and with hardwood edge strips, tongued and grooved on to edges.</u>				
10	40mm Thick single flush door size 813 x 2032mm high.	No	3		
	<u>Swartland double glass door</u>				
11	1612 x 2032mm high double door.	No	1		
	<u>FRAMED FRAMES ETC</u>				
	<u>Wrought meranti</u>				
12	44 x 76mm Swartland Code SK1 or similar approved, rebated and angle rounded frames plugged to fit 900 x 2132mm high opening.	No	4		
13	44 x 76mm Swartland Code SK1 or similar approved, rebated and angle rounded frames plugged to fit 1700 x 2132mm high opening.	No	1		
Carried to Collection				R	
Section No. 2					
Bill No. 7					
Carpentry And Joinery					

BILL NO. 7
CARPENTRY AND JOINERY
COLLECTION

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Section No. 2
Bill No. 7
Carpentry And Joinery

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 2</u> <u>NEW BUILDINGS</u> <u>BILL NO. 8</u> <u>CEILINGS PARTITIONS AND ACCESS FLOORING</u> <u>PREAMBLES</u> For Preambles refer to "Department of Public Works & Infrastructure: Specification of materials and methods to be used - PW371" <u>SUPPLEMENTARY PREAMBLES</u> <u>Proprietary products in descriptions</u> Proprietary products shall be used as specified, Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent. <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. <u>NAILED UP CEILINGS</u> <u>BPB Gypsum 6.4mm "RhinoCell Value" with square edged Rhinoboard fixed print side up, with joints covered with strips of mesh scrim nailed over joints and the whole finished with 2 coats gypsum skim plaster trowelled to a smooth polished surface to the thickness recommended by the manufacturer</u>				
1	m ²	129		
2	No	1		
3	m	82		
Carried To Section Summary			R	
Section No. 2				
Bill No. 8				
Ceilings Partitions And Access Flooring				

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IRONMONGERY

PREAMBLES

For Preambles refer to "Department of Public Works & Infrastructure: Specification of materials and methods to be used-PW371"

SUPPLEMENTARY PREAMBLES

Proprietary products in descriptions

Proprietary products shall be used as specified, Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.

Fixing

Description of wall mounted and floor standing ironmongery items shall be deemed to include for fixing in position and all fixing accessories.

Description of proprietary items shall be deemed to include fixing in position and all fixing accessories as specified by the manufacturer.

HINGES, BOLTS, ETC

Hinges

"Dorma"

- 1 102 x 75 x 2mm Stainless steel ball bearing butt hinge.

HANDLES, KEYHOLES, ETC

"Dorma".

- 2 Tubular stainless steel door handle type TH 123.

LOCKS

Union

- 3 "Union CZ 692-24-95" two lever mortice lockset for
rebating meeting stiles.

- 4 "Union CZ 692-24-95" three lever mortice lockset for
rebating meeting styles.

Carried to Collection

Ironmongery

		Unit	Quantity	Rate	Amount
<u>CATCHES, CABIN HOOKS, ETC</u>					
<u>Halcast</u>					
5	Type 166 150mm satin chromium plated on brass cabin hook and eye including 70 x 70 x 20mm chamfered hardwood block twice oiled and plugged.	No	2		
<u>Miscellaneous</u>					
6	50mm Plastic key tag.	No	4		
<u>SUNDRIES</u>					
<u>"Union"</u>					
7	CZ8731SC Rubber buffered door stop.	No	6		
<u>BLINDS</u>					
<u>Riveria Grey (semi-blockout) roller blinds premium (G2) 2400 or similar approved with side controlled manual chain opening mechanism fixed to window reveal</u>					
8	Window size 600 x1800mm high.	No	12		
9	Window size 1200 x1200mm high.	No	2		
Carried to Collection				R	
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Bill No. 10					
Ironmongery					

BILL NO. 10
IRONMONGERY
COLLECTION

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Section No. 2
Bill No. 10
Ironmongery

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 2</u> <u>NEW BUILDINGS</u> <u>BILL NO. 11</u> <u>METALWORK</u> <u>PREAMBLES</u> For Preambles refer to "Department of Public Works & Infrastructure: Specification of materials and methods to be used-PW371" <u>SUPPLEMENTARY PREAMBLES</u> <u>Proprietary products in descriptions</u> Proprietary products shall be used as specified, Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent. Description of bolts shall be deemed to include nuts and washers. Description of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork of concrete. Metalwork described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described. NOTE: All steel will be Hot dipped galvanised unless otherwise stated <u>SUNDRIES</u> <u>Aluminium edging strip</u> 1 Between floors. m 5 <u>Anodised aluminum windows complying with AAAMSA performance as per required criteria and glazed in accordance with SANS 10160, SANS 10137, SANS 10400 (Part N of Section 3) and SANS 1263 with clear glassing accordance with SANS 10160: 2010, SANS 10137:2002, SANS 10400:2010 (Part N of Section 3) and SANS 1263: 2006</u> 2 Window size 600 x 1800mm high. No 12 3 Window size 1200 x 1200mm high. No 2 <u>SECURITY GATES</u> <u>Hot dipped galvanised steel gates</u> 4 Single gate size 813 x 2032mm high. No 1 5 Double gate size 1981 x 2070mm high. No 1 Carried To Section Summary Section No. 2 Bill No. 11 Metalwork				
			R	

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 2</u>				
<u>NEW BUILDINGS</u>				
<u>BILL NO. 12</u>				
<u>PLASTERING</u>				
<u>PREAMBLES</u>				
For Preambles refer to "Department of Public Works & Infrastructure: Specification of materials and methods to be used-PW371"				
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>Proprietary products in descriptions</u>				
Proprietary products shall be used as specified, Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.				
<u>SCREEDS</u>				
<u>Screeds on concrete</u>				
1	25mm Thick on floors.	m ²	129	
2	On threads and risers of stairs.	m ²	6	
<u>GRANOLITHIC</u>				
<u>Untinted granolithic on concrete</u>				
3	30mm Average thick on floors to falls.	m ²	15	
<u>INTERNAL PLASTER</u>				
<u>Cement plaster on brickwork</u>				
4	On walls.	m ²	157	
5	On narrow width.	m ²	7	
<u>CORNER PROTECTORS, DIVIDING STRIPS, ETC</u>				
6	3 x 25mm Flat section brass weather bar between different floor finishes.	m	13	
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Section No. 2				
Bill No. 12				
Plastering				

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 2</u> <u>NEW BUILDINGS</u> <u>BILL NO. 13</u> <u>PLUMBING AND DRAINAGE</u> <u>PREAMBLES</u> For Preambles refer to "Department of Public Works & Infrastructure: Specification of materials and methods to be used-PW371" <u>SUPPLEMENTARY PREAMBLES</u> <u>Proprietary products in descriptions</u> Proprietary products shall be used as specified, Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent. <u>Fixing</u> Description of wall mounted, floor standing, drop-in, etc type sanitary fittings shall be deemed to include fixing in position and all fixing accessories. Description of proprietary items shall include fixing in position and all fixing accessories as specified by the manufacturer. <u>Chasing</u> Chasing pipes into new walls shall be regarded as "building in" and is not measured separately. The cost of chasing and making good shall be included in the rates for pipes. <u>Stainless steel sanitary fittings</u> Units shall have standard aprons on all exposed edges and tiling keys against walls where applicable. <u>Waste unions</u> Descriptions of waste unions shall be deemed to include rubber or vulcanite plugs and chains fixed to fittings. <u>PLUMBING</u> <u>RAINWATER DISPOSAL</u> <u>"Watertile" or similar approved aluminium</u> 1 150 x 150mm box gutter fixed to fibre-cement fascia board as described.				
	m	35		
<u>Extra for</u> 2 Stopped end.				
	No	6		
Carried to Collection			R	
Section No. 2 Bill No. 13 Plumbing And Drainage				

		Unit	Quantity	Rate	Amount
3	External angle.	No	6		
4	Outlet with 80mm diameter nozzle.	No	6		
	<u>(End of extra for)</u>				
5	100mm Diameter rainwater pipe and fixing to wall with holderbats plugged to wall.	m	18		
	<u>Extra for</u>				
6	Offset bend.	No	6		
7	90 Degree bend.	No	6		
8	Shoe.	No	6		
	<u>FIRE APPLIANCES, ETC</u>				
9	5 Kg Co2 fire extinguisher including backboard, plugged and screwed.	No	2		
Carried to Collection				R	
Section No. 2					
Bill No. 13					
Plumbing And Drainage					

BILL NO. 13
PLUMBING AND DRAINAGE
COLLECTION

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Section No. 2
Bill No. 13
Plumbing And Drainage

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 2</u>				
<u>NEW BUILDINGS</u>				
<u>BILL NO. 14</u>				
<u>PAINTWORK</u>				
<u>PREAMBLES</u>				
For Preambles refer to "Department of Public Works & Infrastructure: Specification of materials and methods to be used-PW371"				
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>Proprietary products in descriptions</u>				
Proprietary products shall be used as specified, Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.				
<u>PAINTWORK, ETC TO NEW WORK</u>				
<u>ON FLOATED PLASTER</u>				
<u>Prepare and apply one coat "Dulux Duraseal" alkali resistant primer and two coat "Dulux Dura" low sheen PVA paint or similar approved</u>				
1 On internal plastered walls.	m ²	238		
<u>ON FIBRE CEMENT</u>				
<u>Prepare and apply one coat bonding liquid and two coats Plascon wall and acrylic paint or similar approved</u>				
2 On fascia boards and barge board.	m	59		
<u>SKIMMED SURFACE</u>				
<u>Prepare and apply one coat universal undercoat and two coats "super PVA acrylic emulsion or similar approved" paint on</u>				
3 Ceiling, and cornices.	m ²	135		
<u>ON WOOD</u>				
<u>Prepare and apply one coat Plascon Woodcoat Suede polyurethane coating thinned 25% with mineral turpentine, sand lightly and apply two coats Plascon Woodcoat Suede polyurethane</u>				
4 On doors.	m ²	20		
5 On doors frame.	m ²	9		
6 On skirting, rails, etc not exceeding 300mm girth.	m	86		
Carried To Section Summary			R	
Section No. 2				
Bill No. 14				
Paintwork				

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NEW BUILDINGS
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SECTION NO. 3

OCCUPATIONAL HEALTH AND SAFETY

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 3</u>				
<u>OCCUPATIONAL HEALTH AND SAFETY</u>				
<u>BILL NO. 1</u>				
<u>Rogue Trade 1</u>				
<u>OCCUPATIONAL HEALTH AND SAFETY</u>				
1	Preparation of the Contractor's site specific Health and Safety Plan.	Lump Sum		
2	Principal Contractor's initial obligations in respect of the Occupational Health and Safety Act and Construction Regulations.	Lump Sum		
3	Provision of Personal Protective Equipment as determined in the baseline risk assessment.	Lump Sum		
4	Provision of a full time Construction Health and Safety Officer (SACPCMP Registered).	No	8	
5	OHS related trainings (eg. First aid, scaffolding, HIRA etc).	Lump Sum		
<u>Cost of medical surveillance</u>				
6	(a) Initial (baseline) medical examinations.	Lump Sum		
7	(b) Exit examinations.	Lump Sum		
<u>Site establishment</u>				
8	(a) Submit a site layout drawing indicating welfare facilities and other necessary facilities for approval.	Lump Sum		
9	(b) Site office.	Lump Sum		
Carried to Collection			R	
Section No. 3				
Bill No. 1				
Rogue Trade 1				

				Mqhekezweni TC	
		Unit	Quantity	Rate	Amount
10	(c) General storage.	Lump Sum			
11	(d) Hazardous Chemical Substances storage.	Lump Sum			
12	(e) Eating areas (all weather conducive).	Lump Sum			
13	(f) Toilets (Male & Female).	No	2		
14	(g) Change/locker rooms.	Lump Sum			
15	(f) Perimeter fence and no admittance.	Lump Sum			
16	(g) Mandatory and necessary safety signage.	Lump Sum			
17	h) Barricadding net: 1,2m high x 50m long. Drawstrings for easy attachment to stakes. Flexible and durable. Bright orange and yellow for clear visibility . Flameproof and chemical resiatant. Colour fast UV protection.	No	4		
18	i) Dust protection net 2.57 x 50m: monofilament high-density polyethylene, air and water permeable, weather resistant and UV resistant.	No	5		
19	Fire Extinguisher (4,5 Kg).	No	1		
20	Noise control and monitoring.	Lump Sum			
21	Provision of First Aid Boxes to GSR requirements.	No	1		
22	Submission of Notification for construction wortks to the Department of Labour.	Lump Sum			
23	Internal Monthly OHS Audit reports.	No	8		
24	Submission of a Health and Safety File for approval.	Lump Sum			
Carried to Collection				R	
Section No. 3					
Bill No. 1					
Rogue Trade 1					

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		Unit	Quantity	Rate	Amount
<u>Covid-19 Management</u>					
25	a) Covid-19 Compliance Officer.	Lump Sum			
26	b) Submit Covid-19 Management plan for approval.	No	1		
27	c) Covid-19 Risk Assessmnet (Issue-based).	No	1		
28	d) Covid-19 screening, monitoring and supervision.	Lump Sum			
29	e) Sanitizer (70% Alc. Vol) 25L.	No	5		
30	f) Waste disposal bins.	No	1		
31	Submission of the original consolidated health and safety file (Project Close-out) for approval.	Lump Sum			
Carried to Collection				R	
Section No. 3					
Bill No. 1					
Rogue Trade 1					

BILL NO. 1
Rogue Trade 1
COLLECTION

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Section No. 3
Bill No. 1
Rogue Trade 1

SECTION NO. 3

OCCUPATIONAL HEALTH AND SAFETY

SECTION SUMMARY

Bill No.

1

Rogue Trade 1

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Section No. 3
SECTION SUMMARY

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SECTION NO. 4
EXTENAL WORKS

EXTENAL WORKS

BILL NO. 1

EXTERNAL WORKS

PREAMBLES

For Preambles refer to "Department of Public Works & Infrastructure: Specification of materials and methods to be used-PW371"

NOTE:

Where items in this Bill are identical to those in the previous Bills, the descriptions have been shortened, and the full descriptions in the Trades concerned are to be referred to for the full meaning and intent of each item.

SUPPLEMENTARY PREAMBLES

Proprietary products shall be used as specified, Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.

SITE CLEARANCE, BULK EARTHWORKS, ETC (PROVISIONAL)

CLEARING OF SITE

- 1 Allow for clearing of site of all vegetable matter, rubbish, etc. including small trees having a circumference of less than 200mm measured at circumference of less than 200mm measured at a height of 1000mm above ground level, that may be encountered and roughly level site to be built upon and carting away any debris to a site to be found by the contractor. (Labour intensive).

 m^2

5 318

EARTHWORKS

Excavations

- 2 Strip off top soil to an average depth of 150mm over areas of roads, buildings etc and wheel and deposit in spoil heaps on site where directed for re-use. (Labour intensive).

 m^3

450

Site clearance, bulk earthworks, etc.

- 3 Excavate in earth to open face not exceeding 2m deep to reduce levels and deposit in spoil dump on site, for use as filling or carting away as necessary (carting away elsewhere measured). (Labour intensive).

 m^3

200

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Section No. 4

Bill No. 1

External Works

		Unit	Quantity	Rate	Amount
4	Excavate in earth to open face not exceeding 2m deep to reduce levels and deposit on site as filling (cut and fill) spread, levelled, consolidated In layers not exceeding 300mm thick and compacted to 93% modified AASHTO density including forming terraces, slopes, banks, cambers, etc. (Labour intensive).	m ³	375		
	<u>PIT LATRINES (PROVISIONAL)</u>				
	NOTE:				
	Where items in this Bill are identical to those in the previous Bills, the descriptions have been shortened, and the full description In the Trades concerned are to be referred to for the full meaning and intent of each item.				
	For Preambles refer to "Department of Public Works & Infrastructure: Specification of materials and methods to be used-PW371"				
	<u>EARTHWORKS</u>				
	<u>Excavate in earth for</u>				
5	Surface trenches not exceeding 2m deep. (Labour intensive).	m ³	14		
6	Pit not exceeding 2m deep. (Labour intensive).	m ³	21		
7	Pit exceeding 2m and not exceeding 4m deep. (Labour intensive).	m ³	5		
	<u>Extra over trench and hole excavations in earth for excavation in</u>				
8	Soft rock.	m ³	2		
9	Hard rock.	m ³	20		
	<u>Extra over all excavations for carting away</u>				
10	Surplus material from excavations and / or stock piles on site to a dumping site to be located by the contractor. (Labour intensive).	m ³	26		
11	Ditto, but spread and levelled within 100m radius over site. (labour intensive).	m ³	14		
	<u>Risk of collapse of excavations</u>				
12	Allow for risk of collapse not exceeding 1.5m deep for trenches, holes, etc.	m ²	60		
13	Ditto, but exceeding 1.5m deep.	m ²	13		
	Carried to Collection				
	Section No. 4				
	Bill No. 1				
	External Works				
				R	

		Unit	Quantity	Rate	Amount
	<u>Keeping excavation free of water</u>				
14	Keeping excavation free of water. (Labour intensive).	Item			
	<u>Dewatering</u>				
15	Removal of seepage and other water from subterranean sources from excavations. (Labour intensive).	Item			
	<u>FILLINGS, ETC</u>				
	<u>Earth filling obtained from the excavations and / or prescribed stock piles on site compacted to 93% Mod AASHTO density</u>				
16	Under floors. (Labour intensive).	m ³	3		
17	Backfilling to trenches, holes, etc. (Labour intensive).	m ³	9		
	<u>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>				
	<u>25Mpa/19mm Concrete</u>				
18	Strip footings.	m ³	6		
	<u>REINFORCED CONCRETE</u>				
	<u>25Mpa/19mm Concrete</u>				
19	Slabs.	m ³	6		
20	Columns.	m ³	2		
	<u>CONCRETE TESTING</u>				
21	Making and testing 150 x 150 x 150mm concrete strength test cube.	No	6		
	<u>FORMWORK</u>				
	<u>Rough formwork to</u>				
22	Soffit of slab including removal through opening size 450mm diameter.	m ²	10		
23	Edge not exceeding 300mm high.	m	13		
24	Box in for and form rebated opening size 470mm diameter through 170mm thick slab.	No	4		
	<u>REINFORCEMENT</u>				
	<u>High tensile steel reinforcement</u>				
25	10mm Diameter rod reinforcement to slab, etc.	Tonnes	1,00		
Carried to Collection					R
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		Unit	Quantity	Rate	Amount
	<u>BRICKWORK</u>				
	<u>Brickwork of "Corobrick or similar approved" NFX burnt clay bricks (14Mpa nominal compressive strength) in class I mortar in foundations</u>				
26	One brick wall with staggered open perpends in foundations.	m ²	40		
	<u>Brickwork in clay bricks in class II mortar</u>				
27	Half brick walls in superstructure.	m ²	6		
28	One brick walls in superstructure.	m ²	54		
29	Half brick walls in beamfilling,	m ²	3		
	<u>Sundries</u>				
	<u>Bagging and sealing the outer face of the inner skin of walls with 1:6 cement and sand mixture and seal with two coats "Brixal" bitumen emulsion waterproofing coating</u>				
30	To walls.	m ²	48		
	<u>Galvanised hoop iron cramps, tiles, etc.</u>				
31	40 x 2mm Roof tie 1800mm long with one end fixed to timber and other end built into brickwork.	No	10		
	<u>Turning pieces</u>				
32	220mm Wide turning piece to walls, etc.	m	6		
	<u>"Corobrick golden wheat travertine or similar approved" FBX clay face bricks bedded and jointed in Class 1 cement mortar and pointed with recessed vertical and horizontal joints</u>				
33	Extra over brickwork for face brickwork.	m ²	48		
34	Extra over brickwork for face brickwork in foundations (Provisional).	m ²	7		
35	Extra over brickwork in beamfilling for face brickwork.	m ²	3		
36	220mm Wide lintel pointed on both faces and soffit.	m	4		
	<u>Reinforcement to brickwork</u>				
37	High tensile steel brick reinforcement 75mm wide well lapped at all angle and passings and built into brick walls.	m	23		
38	High tensile steel brick reinforcement 150mm wide well lapped at all angle and passings and built into brick walls.	m	213		
	Carried to Collection			R	
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		Unit	Quantity	Rate	Amount
	<u>WATERPROOFING</u>				
	<u>One layer of 375 micron embossed damp proof course</u>				
39	In walls.	m ²	6		
	<u>ROOFING</u>				
	<u>0.6mm Thick Brown "Chromadek" or similar approved roof sheeting to be fixed onto 75 x 50mm SA pine purlins by self-tapping screws with roof flashing and all necessary waterproofing items.</u>				
40	Mono pitch roof covering.	m ²	33		
	<u>CARPENTRY AND JOINERY</u>				
	<u>Roofs, etc</u>				
	<u>Sawn softwood grade 4</u>				
41	38 x 114mm Wallplate.	m	14		
42	38 x 76mm Windbracing (Provisional).	m	7		
43	38 x 114mm Windbracing (Provisional).	m	8		
44	50 x 76mm Purlin.	m	28		
45	50 x 76mm Verge batten nailed to wall.	m	7		
	<u>Wrought softwood grade 4</u>				
46	70 x 70mm Splayed purlin.	m	14		
47	44 x 144mm Fascia fixing battren.	No	12		
	<u>Gangnail Roof trusses</u>				
	<u>The following trusses shall be Gangnail or similar approved engineering designed roof trusses manufactured from wrought softwood and suitable for corrugated iron covering and no ceiling</u>				
48	Mono pitched roof truss.	No	4		
	<u>Sundries</u>				
49	Hurricane clip between truss and windbracing (Provisional).	No	18		
50	Hurricane clip between truss and purlin (Provisional).	No	36		
	<u>Eaves, verges, etc</u>				
	<u>Pressed fibre cement</u>				
51	12 x 225mm Fascia board including Chromaprep steel H-profile jointing strip, screws, holes, etc.	m	19		
Carried to Collection				R	
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		Unit	Quantity	Rate	Amount
52	85 x 275mm Barge board fixed to roof timbers including Chromaprep steel H-profile jointing plates, screws, holes, etc.	m	7		
	<u>Doors, etc</u>				
	<u>Wrought meranti doors hung to steel frames</u>				
53	44mm Framed, ledged, braced and battern door 813 x 1732mm high of 44 x 146mm top rail and stiles, 22 x 146mm middle ledge and braces and 22mm bottom rail filled in with 22mm V-jointed one side bording and covered on other side with 3mm plywood with veneer to match door let into and including rebates all round.	No	4		
	<u>IRONMONGERY</u>				
	<u>Hinges, bolts, etc</u>				
54	100mm Brass hinge.	No	8		
55	75mm Satin chrome brass barrel bolt with keep fixed to mental.	No	4		
	<u>Locks</u>				
56	3122-51 Union brass padlock.	No	2		
	<u>Handles</u>				
57	100mm Chromium plated pull handle.	No	8		
	<u>Sundries</u>				
58	38mm Diameter black rubber pull handle.	No	6		
59	Chromium plated thief-proof toilet roll holder plugged to wall.	No	4		
	<u>METALWORK</u>				
	<u>The following in hot dip galvanised after fabrication mild steel framed and welded gate including all welding, cutting, drilling and grinding smooth</u>				
60	Sliding padlock keep comprising 40 x 60 x 2.5mm hollow section keep 100mm long, once holed for 16mm diameter sliding padbolt and with 60 x 60 x 5mm angle cleat 100mm long welded on and twice holed for and fixed with and including two 10mm diameter masonry anchors to brickwork.	No	2		
	Carried to Collection				
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		Unit	Quantity	Rate	Amount
61	Single gate 755 x 1850mm high of 40 x 60 x 2.5mm hollow section frame filled in with five 20 x 40 x 2.5mm hollow section verticals and one middle rail, fitted with 16mm diameter x 240mm long sliding bolt with hole through perimeter frame and one holed padlock plate and frame with 50 x 50 x 3mm angle once holed padbolt stop plate 50mm long and with two 254 x 40 x 5mm hook and band hinges with splayed pins for and built into brickwork.	No	2		
62	Spot weld anchor bolts to frame and touch up with cold galvanising.	No	4		
	<u>Pre-galvanised 1.2mm double rebated frames suitable for half brick walls</u>				
63	Frame for door 813 x 2032mm high.	No	4		
	<u>PLASTERING</u>				
	<u>Untinted granolithic finish to concrete</u>				
64	40mm Thick (average) on floors to falls.	m ²	12		
	<u>Internal plaster</u>				
	<u>Cement plaster on brickwork</u>				
65	On walls.	m ²	79		
	<u>PLUMBING, ETC</u>				
	<u>Rainwater disposal</u>				
	<u>"Watertite" or similar approved aluminium</u>				
66	150 x 150mm box gutter fixed to fibre-cement fascia board as described.	m	5		
	<u>Extra for</u>				
67	Stopped end.	No	2		
68	Outlet with 80mm diameter nozzle.	No	2		
	<u>End of extra for</u>				
69	10mm Diameter rainwater pipe and fixing to wall with holderbats plugged to wall.	m	5		
	<u>Extra for</u>				
70	Offste bend.	No	2		
71	Shoe.	No	2		
Carried to Collection				R	
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External Works					

		Unit	Quantity	Rate	Amount
	<u>Plumbing</u>				
	<u>PVC waste or vent pipes and fittings</u>				
72	160mm Pipe fixed to walls, etc.	m	12		
	<u>Extra for</u>				
73	160mm Bend.	No	4		
74	160mm GI two-way vent valve.	No	4		
	<u>Sanitary fittings</u>				
75	Atlas plastics code 235 AP or other approved VIP pit pedestal with flap fixed to floor with an approved epoxy or boited to floors with and including four 6mm diameter x 50mm long expansion bolts.	No	4		
	<u>PAINTING</u>				
	<u>On floated plaster</u>				
	<u>Prepare and apply one coat plaster primer "Dulux Duraseal" alkali resistant primer and two coats "Dulux Dura" low sheen PVA paint or similar approved</u>				
76	Internal walls.	m ²	79		
	<u>On PVC</u>				
	<u>Prepare and apply one coat PVC primer and two coats black enamel paint on</u>				
77	On pipe exceeding 300mm girth.	m ²	4		
	<u>On fibre-cement</u>				
	<u>Prepare and apply one coat plaster primer and two coats Plascon polvin super acrylic PVA paint on</u>				
78	Fascia and bargeboard.	m ²	6		
	<u>On galvanised iron</u>				
	<u>Prepare and apply one coat bluminous paint on</u>				
79	Backs of pressed steel door linings.	m ²	7		
	<u>Prepare, scrub down with galvanised iron cleaner, one coat metal primer and two coats Plascon velvagio polyurethane velvet enamel paint on</u>				
80	Door frames.	m ²	7		
81	Grille gate (both sides measured overall on flat).	m ²	7		
Carried to Collection				R	
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External Works					

		Unit	Quantity	Rate	Amount
	<u>On wood</u>				
	<u>Prepare and apply two coats Carbolinium wood preservative on</u>				
82	Wall plate.	m ²	2		
	<u>Prepare and apply two coats Creosote on</u>				
83	General surfaces of trusses.	m ²	4		
84	Purlins, etc not exceeding 300mm girth.	m	28		
	<u>Prepare and apply one coat primer thinned 20% with enamel turpentine and two coats Plascon velvaglo polyurethane velvet enamel paint on</u>				
85	Doors.	m ²	13		
	<u>APRON PAVING</u>				
	<u>Earthworks</u>				
86	Excavate in earth to reduce levels under paving. (Labour intensive).	m ³	6		
87	Scarify in-situ material for a depth of 150mm and compact to obtain 93% modified AASHTO dry density. (Labour intensive).	m ²	13		
88	Extra over all excavations for carting away surplus excavated material and spreading, levelling and lightly compacting on site where directed average 50m from excavations. (Labour intensive).	m ³	6		
	<u>Filling</u>				
89	Approved clean, hand, dry decomposed dolerite filling supplied by the contractor in filling under paving, compacted top 93% Mod. AASHTO density. (Labour intensive).	m ³	6		
	<u>Cement concrete (20MPa) mass in</u>				
90	Pavings.	m ³	4		
	<u>Sundries</u>				
91	Floating smooth tops of concrete surface beds laid in panels with a wood float including slightly rounded edges to panels.	m ²	13		
	<u>Expansion joints</u>				
92	12mm Thick bitumen impregnated softboard in expansion joint between edge of concrete paving and walls in narrow widths not exceeding 300mm wide including slightly rounded edges to panels.	m	5		
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	External Works				

		Unit	Quantity	Rate	Amount
	<u>Rough formwork</u>				
93	Edges, risers, ends and reveals not exceeding 300mm high or wide.	m	30		
	<u>Two-part grey polysulphine sealing compound including backing cord, bond breaker, primer, etc</u>				
94	In 10 x 10mm expansion joints in paving including raking out expansion joint filler as necessary.	m	5		
	<u>SOIL DRAINAGE</u>				
	<u>The following in french drain soakaway 6m long</u>				
95	Clear site over 500mm wide trench including digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc. (Labour intensive).	m	6		
96	Excavate in earth not exceeding 2m deep. (Labour intensive).	m ³	10		
97	Extra over excavations in earth for excavations in soft rock	m ³	5		
98	Ditto, but in hard rock.	m ³	1		
99	Extra over all excavations for carting away surplus excavated material. (Labour intensive).	m ³	5		
100	Allow for risk of collapse to sides of excavations exceeding 1.5m deep.	m ²	27		
101	Allow for keeping excavations free from water. (Labour intensive).	Item			
102	Removal of seepage and other water from subterranean sources from excavations. (Labour intensive).	Item			
103	Selected filling from the excavations in backfilling and forming berm over trench. (Labour intensive).	m ³	5		
104	Topsoil from spoil heaps on site on top of geographic (elsewhere) spread and levelled. (Labour intensive).	m ³	7		
105	50-75mm Graded stone 1filling selected and supplied by the contractor, laid in trench. (Labour intensive)	m ³	9		
106	Kaymat U24 geographic membrane laid around stone filling.	m ²	12		
107	250 Micro polyethylene dampproof membrane and laying over top of geofabric membrane (elsewhere measured).	m ²	5		
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EXTERNAL WORKS
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External Works

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EXTENAL WORKS
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SECTION NO. 5
SMME PACKAGES

SECTION NO. 5
SMME PACKAGES

PAVING

- 1 Provisional Sum of R 230 000,00 (Two Hundred and Thirty Thousand Rand) for Paving to be done by SMME.
- 2 Allow for Profit.
- 3 Allow for Attendance.

Item	230 000	00
Item		
Item		

FENCING

- 4 Provisional Sum of R 200 000,00 (Two Hundred Thousand Rand) for Fencing to be done by SMME.
- 5 Allow for Profit.
- 6 Allow for Attendance.

Item	200 000	00
Item		
Item		

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Section No. 5
Bill No. 1
Provisional Sums

SECTION NO. 6
PROVISIONAL SUMS

SECTION NO. 6
PROVISIONAL SUMS

NOTES

For Preambles refer to "Department of Roads and Public Works:
Specification of materials and methods to be used-PW371"

ELECTRICAL INSTALLATION

- 1 Provisional Sum of R200 000,00 (Two Hundred Thousand Rand) nett including Value Added Tax for Electrical Installation to be supplied and installed complete by a Selected Sub-Contractor.

Item 200 000 00

- 2 Allow for Profit.

Item

- 3 Allow for Attendance.

Item

EXPANDED PUBLIC WORKS PROGRAMME (EPWP)

- 4 Provide an amount of R50 000,00 (Fifty Thousand Rand) as training allowance to be paid to target labour in respect of formal training i.e daily wages and for Transport and Accommodation.

Item 50 000 00

EMPLOYMENT OF TRADE TESTED AP+COD ARTISANS

- 5 Provide an amount of R44 000,00 (Forty Four Thousand Rand) for employment of 1No. Trade tested artisans at a rate of R5 500.00/month for the duration of the project and should liase with the CIDP/EPWP person within the region.

Item 44 000 00

INSERVICE TRAINING

- 6 Provide an amount of R144 000,00 (One Hundred Forty Four Thousand Rand) for the provision of practical training for the following:

Item 144 000 00

a) 1 No. Graduate within the built environment at a rate of R11 000,00/month for the duration of the project.

b) 1 No.Student - Practical Training at a rate R7 000,00/month for the duration of the project.

STEERING COMMITTEE

- 7 Provide the amount of R6 000,00 (Six Thousand Rand) for 3 members of the steering Committee to be paid at R250,00/Person/Progress meeting for the duration of the contract (8 months).

Item 6 000 00

COMMUNITY LIASON OFFICER

- 8 Provide the amount of R48 000.00(Forty Eight Thousand Rand) for the employment of a Community Liason Officer to be employed by the Main contractor and be paid an allowance of (R6000.00 a month for the contract duration 8 Months).

Item 48 000 00

Carried To Section Summary

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Section No. 6

Bill No. 1

Provisional Sums

9 Add Main Contractor mark-up for all social deliverables from item 4 to Item 8.

Item

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Section No. 6
Bill No. 1
Provisional Sums

SECTION NO. 6
PROVISIONAL SUMS
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Section No. **FINAL SUMMARY**

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ADD: CONTINGENCIES

Allow the Amount of R100 000.00 (One Hundred Thousand Rand) for contingencies, to be used by the Architect in terms of Clause 17 of the Principal Building Agreement.

100 000 00

SubTotal excluding Value Added Tax

ADD VAT @ 15%:

Carried to Tender

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FINAL SUMMARY