Item No		Quantity	Rate	Amount

SECTION NO. 1
BILL NO. 1
PRELIMINARIES

MEANING OF TERMS "TENDER / TENDERER"

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

PRELIMINARIES

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

PRICING OF PRELIMINARIES

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

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

SECTION A: JBCC PRINCIPAL BUILDING AGREEMENT

DEFINITIONS

1 **A1 DEFINITIONS AND INTERPRETATION**

Clause 1.0

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

Carried Forward R

Brought Forward R

"**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 as stated in the schedule 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 conract execution

Clause 1.1 Definition of "**Fraudulent Practise**" 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, will be the rate as determined by the Minister of Justice, from time to time, in terms of section 1(2) of the Prescribed Rate of Interest Act, 1975 (Act No. 55 of 1975).

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

Carried Forward R

	Brought Forward			R
	"**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 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 works "prepaid registered post, telefax or e-mail" with "prepaid registered post or telefax"			
	Clause 1.6.4 is amended by replacing it with the following:			
	No clause			
	Fixed:_____ Value related:_____ Time related:_____		Item	
	OBJECTIVE AND PREPARATION			
2	**A2 OFFER, ACCEPTANCE AND PERFORMANCE**			
	Clause 2.0			
	Fixed:_____ Value related:_____ Time related:_____		Item	
3	**A4 DESIGN RESPONSIBILITY**			
	Clause 4.0			
	Clause 4.3 is amended by replacing it with the following:			
	No clause			
	Fixed:_____ Value related:_____ Time related:_____		Item	
	Carried Forward			R

	Brought Forward			R
4	**A3 DOCUMENTS** Clause 3.0 Clause 3.2.1 is amended by replacing "14.1" with "14.0" Clause 3.7 is amended by the addition of the following: The **contractor** shall supply and keep a copy of the **JBCC** Series 2000 Principal Building Agreement and Preliminaries applicable to this contract on the **site**, to which the **employer**, **principal agent** and **agents** shall have access at all times Clause 3.10 is amended by replacing the second reference to "**principal agent**" with the word "**employer**" Fixed:_____ Value related:_____ Time related:_____		Item	
5	**A5 EMPLOYER'S AGENTS** Clause 5.0 Clause 5.1.2 is amended to include clauses 32.6.3, 34.3 and 34.4 and 38.5.8 Fixed:_____ Value related:_____ Time related:_____		Item	
6	**A6 SITE REPRESENTATIVE** Clause 6.0 Fixed:_____ Value related:_____ Time related:_____		Item	
	Carried Forward			R

	Brought Forward		R	
7	**A7 COMPLIANCE WITH REGULATIONS** Clause 7.0 Note: The provisions herein include *inter alia*, compliance with all the requirements set out in the Construction Regulations, 2014 issued under the Occupational Health and Safety Act, 1993 (Act No 85 of 1993), and in particular with Regulation 5(1) requiring the compilation of a health and safety plan, as well as Regulation 6(1) requiring the appointment of a construction supervisor See also clause C10 of Section C - Specific Preliminaries Fixed:_____ Value related:_____ Time related:_____	Item		
8	**A8 WORKS RISK** Clause 8.0 Fixed:_____ Value related:_____ Time related:_____	Item		
9	**A9 INDEMNITIES** Clause 9.0 Fixed:_____ Value related:_____ Time related:_____	Item		
10	**A10 WORKS INSURANCES** Clause 10.0 Clause 10.0 is amended by the addition of the following clauses:			
	Carried Forward		R	

Brought Forward R

10.5 Damage to the Works

(a) Without in any way limiting the **contractor's** obligations in terms of the contract, the **contractor** shall bear the full risk of damage to and/or destruction of the **works** by whatever cause during construction of the **works** and hereby indemnifies and holds harmless the **employer** against any such damage. The **contractor** shall take such precautions and security measures and other steps for the protection and security of the **works** as the **contractor** may deem necessary

(b) The **contractor** shall at all times proceed immediately to remove or dispose of any debris arising from damage to or destruction of the **works** and to rebuild, restore, replace and/or repair the **works**

(c) The **employer** shall carry the risk of damage to or destruction of the **works** and material paid for by the **employer** that is the result of the excepted risks as set out in 10.6

(d) Where the **employer** bears the risk in terms of this contract, the **contractor** shall**,** if requested to do so, reinstate any damage or destroyed portions of the **works** and the costs of such reinstatement shall be measured and valued in terms of 32.0 hereof

10.6 Injury to Persons or loss of or damage to Properties

(a) The **contractor** shall be liable for and hereby indemnifies the **employer** against any liability, loss, claim or proceeding whether arising in common law or by statute, consequent upon personal injuries to or the death of any person whomsoever arising out of or in the course of or caused by the execution of the **works** unless due to any act or neglect of any person for whose actions the **employer** is legally liable

Carried Forward R

Brought Forward R

(b) The **contractor** shall be liable for and hereby indemnifies the **employer** against any liability, loss, claim or proceeding consequent upon loss of or damage to any moveable or immovable or personal property or property contiguous to the **site**, whether belonging to or under the control of the **employer** or any other body or person, arising out of or in the course of or by reason of the execution of the **works** unless due to any act or neglect of any person for whose actions the **employer** is legally liable

(c) The **contractor** shall, upon receiving a **contract instruction** from the **principal agent,** cause the same to be made good in a perfect and workmanlike manner at his own cost and in default thereof the **employer** shall be entitled to cause it to be made good and to recover the cost thereof from the **contractor** or to deduct the same from amounts due to the **contractor**

(d) The **contractor** shall be responsible for the protection and safety of such portions of the premises placed under his control by the **employer** for the purpose of executing the **works** until the issue of the **certificate of practical completion**

(e) Where the execution of the **works** involves the risk of removal of or interference with support to adjoining properties including land or structures or any structures to be altered or added to, the **contractor** shall 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**

Carried Forward R

Brought Forward R

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

Carried Forward R

	Brought Forward			R
	The **contractor** shall be liable for and hereby indemnifies the **employer** against any and all liability, loss, claim or proceeding consequent upon loss of or damage to any moveable or immovable or personal property or property contiguous to the **site**, whether belonging to or under the control of the **employer** or any other body or person whomsoever arising out of or caused by a catastrophic ground movement, as mentioned above, which occurred during the period of the contract			
	10.7.3 It is the responsibility of the **contractor** to ensure that he has adequate insurance to cover his risk and liability as mentioned in 10.7.1 and 10.7.2. Without limiting the **contractor's** obligations in terms of the contract, the **contractor** shall, within twenty-one (21) **calendar days** of the **commencement date** but before commencement of the **works**, submit to the **employer** proof of such insurance policy, if requested to do so			
	10.7.4 The **employer** shall be entitled to recover any and all losses and/or damages of whatever nature suffered or incurred consequent upon the **contractor's** default of his obligations as set out in 10.7.1; 10.7.2 and 10.7.3. Such losses or damages may be recovered from the **contractor** or by deducting the same from any amounts still due under this contract or under any other contract presently or hereafter existing between the **employer** and the **contractor** and for this purpose all these contracts shall be considered one indivisible whole			
	Fixed:_____ Value related:_____ Time related:_____		Item	
11	**A11 LIABILITY INSURANCES**			
	Clause 11.0			
	Fixed:_____ Value related:_____ Time related:_____		Item	
12	**A12 EFFECTING INSURANCES**			
	Clause 12.0			
	Fixed:_____ Value related:_____ Time related:_____		Item	
13	**A13.0** ***No clause***		N/A	
	Carried Forward			R

	Brought Forward			R
14	**A14 SECURITY** Clause 14.0 Clauses 14.1 - 14.8 are amended by replacing them with the following: 14.1 In respect of contracts with a **contract sum** up to R1 million, the **security** to be submitted by the **contractor** to the **employer** will be as a payment reduction of five per cent (5%) of the value certified in the **payment certificate** (excluding VAT) 14.1.1 The payment reduction of the value certified in a **payment certificate** shall be *mutatis mutandis* in terms of 31.8(A) 14.1.2 The **employer** shall be entitled to recover expense and loss from the payment reduction in terms of 33.0 provided that the **employer** complies with the provisions of 33.4 in which event the **employer's** entitlement shall take precedence over his obligations to refund the payment reduction security or portions thereof to the **contractor** 14.2 In respect of contracts with a **contract sum** above R1 million, the **contractor** shall have the right to select the **security** to be provided in terms of 14.3, 14.4, 14.5, 14.6, or 14.7 as stated in the **schedule**. Such **security** shall be provided to the **employer** within twenty-one (21) **calendar days** from **commencement date**. Should the **contractor** fail to select the **security** to be provided or should the **contractor** fail to provide the **employer** with the selected **security** within twenty-one (21) **calendar days** from **commencement date**, the **security** in terms of 14.7 shall be deemed to have been selected. 14.3 Where **security** as a cash deposit of ten per cent (10%) of the **contract sum** (excluding VAT) has been selected: 14.3.1 The **contractor** shall furnish the **employer** with a cash deposit equal in value to ten per cent (10%) of the **contract sum** (excluding VAT) within twenty-one (21) **calendar days** from **commencement date** 14.3.2 Within twenty-one (21) **calendar days** of the date of **practical completion** of the **works** the **employer** shall reduce the cash deposit to an amount equal to three per cent (3%) of the **contract value** (excluding VAT), and refund the balance to the **contractor**			
	Carried Forward			R

Brought Forward R

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:

14.4.1 The **contractor** shall furnish the **employer** with an acceptable variable **construction guarantee** equal in value to ten per cent (10%) of the **contract sum** (excluding VAT) within twenty-one (21) **calendar days** from **commencement date**

14.4.2 The variable **construction guarantee** shall reduce and expire in terms of the Variable **Construction Guarantee** form included in the invitation to tender

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

14.4.4 Where the **employer** has a right of recovery against the **contractor** in terms of 33.0, the **employer** shall issue a written demand in terms of the variable **construction guarantee**

14.5 Where **security** as a fixed **construction guarantee** of five per cent (5%) of the **contract sum** (excluding VAT) and a five per cent (5%) payment reduction of the value certified in the **payment certificate** (excluding VAT) has been selected:

Carried Forward R

Brought Forward R

14.5.1 The **contractor** shall furnish a fixed construction guarantee to the **employer** equal in value to five per cent (5%) of the **contract sum** (excluding VAT)

14.5.2 The fixed **construction guarantee** shall come into force on the date of issue and shall expire on the date of **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 twenty-one (21) **calendar days** from **commencement date**

14.6.2 Within twenty-one (21) **calendar days** of the date of **practical completion** of the **works** the **employer** shall refund the cash deposit in total to the **contractor**

14.6.3 The payment reduction of the value certified in a **payment certificate** shall be *mutatis mutandis* 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:

Carried Forward R

	Brought Forward			R
	14.7.1 The payment reduction of the value certified in a **payment certificate** shall be *mutatis mutandis* 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			
15	**A15 PREPARATION FOR AND EXECUTION OF THE WORKS**			
	Clause 15.0			
	Clause 15.1.1 is amended by replacing it with:			
	No Clause			
	Clause 15.1.2 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 twenty-one (21) **calendar days** of **commencement date**			
	Carried Forward			R

	Brought Forward			R
	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 15.1.4 Fixed:_____ Value related:_____ Time related:_____			
16	**A16 ACCESS TO THE WORKS** Clause 16.0 Fixed:_____ Value related:_____ Time related:_____		Item	
17	**A17 CONTRACT INSTRUCTIONS** Clause 17.0 Clause 17.1.11 is amended by deleting the words "and the appointment of nominated and selected subcontractors" The contract value shall be adjusted according to CPAP. The base month for the application of CPAP is the month of closing of the tender. The provision and the contract sum will be adjusted in accordance with the Contract Price Adjustment Provisions (CPAP) as set out in the CPAP Manual and Reference guide as prepared by the Joint Building Contracts Committee (JBCC) series 2000, Code 2105). Fixed:_____ Value related:_____ Time related:_____		Item	
18	**A18 SETTING OUT OF THE WORKS** Clause 18.0 Fixed:_____ Value related:_____ Time related:_____		Item	
19	**A19 ASSIGNMENT** Clause 19.0 Fixed:_____ Value related:_____ Time related:_____		Item	
	Carried Forward			R

	Brought Forward		R	
20	A20 NOMINATED SUB-CONTRACTORS 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		
21	**A21 SELECTED SUBCONTRACTORS** Clause 21.0 Clause 21 is amended by replacing it with: No Clause Fixed:_____ Value related:_____ Time related:_____	Item		
22	**A22 EMPLOYER'S DIRECT CONTRACTORS** Clause 22.0 Fixed:_____ Value related:_____ Time related:_____	Item		
23	**A23 CONTRACTOR'S DOMESTIC SUBCONTRACTORS** Clause 23.0 Fixed:_____ Value related:_____ Time related:_____	Item		
	COMPLETION			
24	**A24 PRACTICAL COMPLETION** Clause 24.0 Fixed:_____ Value related:_____ Time related:_____	Item		
	Carried Forward		R	

	Brought Forward		R	
25	**A25 WORK'S COMPLETION** Clause 25.0 Fixed:_____ Value related:_____ Time related:_____	Item		
26	**A26 FINAL COMPLETION** Clause 26.0 Clause 26.1.2 s amended by inserting "#" next 26.1.2 Fixed:_____ Value related:_____ Time related:_____	Item		
27	**A27 LATENT DEFECTS LIABILITY PERIOD** Clause 27.0 Fixed:_____ Value related:_____ Time related:_____	Item		
28	**A29 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		
29	**A28 SECTIONAL COMPLETION** Clause 28.0 Fixed:_____ Value related:_____ Time related:_____	Item		
30	**A30 PENALTY FOR NON-COMPLETION** Clause 30.0 Fixed:_____ Value related:_____ Time related:_____	Item		
	Carried Forward		R	

PAYMENT

31 **A31 INTERIM PAYMENT TO THE CONTRACTOR**

Clause 31.0

Clause 31.5.2 is amended by replacing "14.7.1" with "14.0"

The contract value shall be adjusted according to CPAP. The base month for the application of CPAP is the month of closing of the tender.

The provision and the contract sum will be adjusted in accordance with the Contract Price Adjustment Provisions (CPAP) as set out in the CPAP Manual and Reference guide as prepared by the Joint Building Contracts Committee (JBCC) series 2000, Code 2105).

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

	Brought Forward			R
	31.8(B) Where **security** is a payment reduction in terms of 14.7 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**			
32	Clause 31.9 is amended with the following clause:			
33	The Employer shall pay to the **Contractor** the amount certified in an interim payment certificate within **thirty (30)** calender days of the date of receipt of the correct payment certificate by the Employer from the Principal Agent, provided that the mandatory monthly report is submitted by the **Contractor** not later than the **twentieth (20th)** of every calender month.			
	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	
	Carried Forward			R

	Brought Forward			R
34	**A32 ADJUSTMENT TO THE CONTRACT VALUE** Clause 32.0 Clauses 32.5.1, 32.5.4 and 32.5.7 are amended by the addition of the following at the end of the sentence: "due to no fault of the **contractor"** The contract value shall be adjusted according to CPAP. The base month for the application of CPAP is the month of closing of the tender. The provision and the contract sum will be adjusted in accordance with the Contract Price Adjustment Provisions (CPAP) as set out in the CPAP Manual and Reference guide as prepared by the Joint Building Contracts Committee (JBCC) series 2000, Code 2105). Fixed:_____ Value related:_____ Time related:_____		Item	
35	**A33 RECOVERY OF EXPENSE AND LOSS** Clause 33.0 Fixed:_____ Value related:_____ Time related:_____		Item	
	Carried Forward			R

	Brought Forward			R
36	**A34 FINAL ACCOUNT AND FINAL PAYMENT** Clause 34.0 Clause 34.1 is amended by removing "#" next to 34.1 Clause 34.2 is amended by inserting "#" next to 34.2 Clause 34.8 is amended by deleting the words "where **security** as a fixed **construction guarantee** in terms of 14.4 has been selected or where payment reduction has been applied in terms of 14.7.1" Clause 34.13 is amended by replacing “seven (7) **calendar days**” with “twenty-one (21) **calendar days**” and deleting the words “subject to the **employer** giving the **contractor** a tax invoice for the amount due” Fixed:_____ Value related:_____ Time related:_____		Item	
37	**A35 PAYMENT TO OTHER PARTIES** Clause 35.0 Fixed:_____ Value related:_____ Time related:_____		Item	
	CANCELLATION **A36 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 he conditions of contract 36.1.4 estate being sequestrated, liquidated or surrendered in terms of the insolvency laws in force within the Republic of South Africa 36.1.5 in the judgement of the **employer,** has engaged in **corrupt** or **fraudulent practices** in competing for or in executing the contract Clause 36.3 is amended by removing the reference to “No clause” and replacing the words “**principal agent**” with “**employer**”			
	Carried Forward			R

	Brought Forward			R
	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	
38	**A37 CANCELLATION BY EMPLOYER – LOSS AND DAMAGE** Clause 37.0 Clause 37.0 is amended by the addition of the following clause: Clause 37.3.5 is amended by replacing "ninety (90)" with "one-hundred and twenty (120)" 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	
39	**A38 CANCELLATION BY CONTRACTOR - EMPLOYER'S DEFAULT** Clause 38.0 Clause 38.5.4 is amended by replacing "ninety (90)" with "one-hundred and twenty (120)" Clause 38.0 is amended by the addition of the following clause:			
	Carried Forward			R

	Brought Forward			R
	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		
40	**A39 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		
41	**A40 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 cost concerning the mediation and equally share the costs of the **mediator** and related costs Fixed:_____ Value related:_____ Time related:_____	Item		
	Carried Forward			R

	Brought Forward		R	
	SUBSTITUTE PROVISIONS			
42	**A41 STATE CLAUSES**			
	Clause 41.0			
	Fixed:_____ Value related:_____ Time related:_____	Item		
	CONTRACT VARIABLES			
43	**A42 PRE-TENDER INFORMATION**			
	Clause 42.0			
	Tenderers are referred to the document C1.2 Contract Data DPW04(EC) for variables pertaining to this contract			
	Fixed:_____ Value related:_____ Time related:_____	Item		
	THE SCHEDULE			
	SECTION B: JBCC PRELIMINARIES			
	B1.0 DEFINITIONS AND INTERPRETATION			
44	***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			
45	***B2.1 Checking of documents***			
	Fixed:_____ Value related:_____ Time related:_____	Item		
46	***B2.2 Provisional bills of quantities***			
	Fixed:_____ Value related:_____ Time related:_____	Item		
	Carried Forward		R	

	Brought Forward			R
47	***B2.3 Availability of construction documentation***			
	Fixed:_____ Value related:_____ Time related:_____		Item	
48	***B2.4 Interests of agents***			
	Fixed:_____ Value related:_____ Time related:_____		Item	
49	***B2.5 Priced documents***			
	Fixed:_____ Value related:_____ Time related:_____		Item	
50	***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			
51	***B3.1 Defined works area***			
	Fixed:_____ Value related:_____ Time related:_____		Item	
52	***B3.2 Geotechnical investigation***			
	Fixed:_____ Value related:_____ Time related:_____		Item	
53	***B3.3 Inspection of the site***			
	Fixed:_____ Value related:_____ Time related:_____		Item	
54	***B3.4 Existing premises occupied***			
	Fixed:_____ Value related:_____ Time related:_____		Item	
55	***B3.5 Previous work - dimensional accuracy***			
	Fixed:_____ Value related:_____ Time related:_____		Item	
	Carried Forward			R

	Brought Forward		R	
56	***B3.6 Previous work - defects***			
	Fixed:_____ Value related:_____ Time related:_____	Item		
57	***B3.7 Services - known***			
	Fixed:_____ Value related:_____ Time related:_____	Item		
58	***B3.8 Services - unknown***			
	Fixed:_____ Value related:_____ Time related:_____	Item		
59	***B3.9 Protection of trees***			
	Fixed:_____ Value related:_____ Time related:_____	Item		
60	***B3.10 Articles of value***			
	Fixed:_____ Value related:_____ Time related:_____	Item		
61	***B3.11 Inspection of adjoining properties***			
	Fixed:_____ Value related:_____ Time related:_____	Item		
	B4.0 MANAGEMENT OF CONTRACT			
62	***B4.1 Management of the works***			
	Fixed:_____ Value related:_____ Time related:_____	Item		
63	***B4.2 Programme for the works***			
	Fixed:_____ Value related:_____ Time related:_____	Item		
64	***B4.3 Progress meetings***			
	Fixed:_____ Value related:_____ Time related:_____	Item		
65	***B4.4 Technical meetings***			
	Fixed:_____ Value related:_____ Time related:_____	Item		
	Carried Forward		R	

	Brought Forward			R
66	***B4.5 Labour and plant records***			
	Fixed:_____ Value related:_____ Time related:_____		Item	
	B5.0 SAMPLES, SHOP DRAWINGS AND MANUFACTURERS' INSTRUCTIONS			
67	***B5.1 Samples of materials***			
	Fixed:_____ Value related:_____ Time related:_____		Item	
68	***B5.2 Workmanship samples***			
	Fixed:_____ Value related:_____ Time related:_____		Item	
69	***B5.3 Shop drawings***			
	Fixed:_____ Value related:_____ Time related:_____		Item	
70	***B5.4 Compliance with manufacturers instruction***			
	Fixed:_____ Value related:_____ Time related:_____		Item	
	B6.0 TEMPORARY WORKS AND PLANT			
71	***B6.1 Deposits and fees***			
	Fixed:_____ Value related:_____ Time related:_____		Item	
72	***B6.2 Enclosure of the works***			
	Fixed:_____ Value related:_____ Time related:_____		Item	
73	***B6.3 Advertising***			
	Fixed:_____ Value related:_____ Time related:_____		Item	
74	***B6.4 Plant, equipment, sheds and offices***			
	Fixed:_____ Value related:_____ Time related:_____		Item	
	Carried Forward			R

	Brought Forward			R
75	***B6.5 Main notice board***			
	Fixed:_____ Value related:_____ Time related:_____		Item	
76	***B6.6 Subcontractors' notice board***			
	Fixed:_____ Value related:_____ Time related:_____		Item	
	B7.0 TEMPORARY SERVICES			
77	***B7.1 Location***			
	Fixed:_____ Value related:_____ Time related:_____		Item	
78	***B7.2 Water***			
	Fixed:_____ Value related:_____ Time related:_____		Item	
79	***B7.3 Electricity***			
	Fixed:_____ Value related:_____ Time related:_____		Item	
80	***B7.4 Telecommunication facilities***			
	Fixed:_____ Value related:_____ Time related:_____		Item	
81	***B7.5 Ablution facilities***			
	Fixed:_____ Value related:_____ Time related:_____		Item	
	B8.0 PRIME COST AMOUNTS			
82	***B8.1 Responsibility for prime cost amounts***			
	Fixed:_____ Value related:_____ Time related:_____		Item	
	Carried Forward			R

	Brought Forward		R	
	9.0 ATTENDANCE ON N/S SUBCONTRACTORS			
83	***B9.1 General attendance***			
	Fixed:_____ Value related:_____ Time related:_____	Item		
84	***B9.2 Special attendance***			
	Fixed:_____ Value related:_____ Time related:_____	Item		
85	***B9.3 Commissioning - fuel, water and electricity***			
	Fixed:_____ Value related:_____ Time related:_____	Item		
	B10. FINANCIAL ASPECTS			
86	***B10.1 Statutory taxes, duties and levies***			
	Fixed:_____ Value related:_____ Time related:_____	Item		
87	**B10.2 Payment for preliminaries**			
	The contract value shall be adjusted according to CPAP. The base month for the application of CPAP is the month of closing of the tender.			
	The provision and the contract sum will be adjusted in accordance with the Contract Price Adjustment Provisions (CPAP) as set out in the CPAP Manual and Reference guide as prepared by the Joint Building Contracts Committee (JBCC) series 2000, Code 2105).			
	Fixed:_____ Value related:_____ Time related:_____	Item		
88	***B10.3 Adjustment of preliminaries***			
	Clauses B10.3.1 and B10.3.2 are amended by replacing "within fifteen (15) **working days** of taking possession of the **site**" with "in hs priced **bills of quantities /lump sum document** submitted with his tender offer"			
	Fixed:_____ Value related:_____ Time related:_____	Item		
	Carried Forward		R	

	Brought Forward		R	
89	***B10.4 Payment certificate cash flow***			
	Fixed:_____ Value related:_____ Time related:_____	Item		
	B11. GENERAL			
90	***B11.1 Protection of the works***			
	Fixed:_____ Value related:_____ Time related:_____	Item		
91	***B11.2 Protection / isolation of existing / sectionally occupied works***			
	Fixed:_____ Value related:_____ Time related:_____	Item		
92	***B11.3 Security of the works***			
	Fixed:_____ Value related:_____ Time related:_____	Item		
93	***B11.4 Notice before covering work***			
	Fixed:_____ Value related:_____ Time related:_____	Item		
94	***11.5 Disturbance***			
	Fixed:_____ Value related:_____ Time related:_____	Item		
95	***B11.6 Environmental disturbance***			
	Fixed:_____ Value related:_____ Time related:_____	Item		
96	***B11.7 Works cleaning and clearing***			
	Fixed:_____ Value related:_____ Time related:_____	Item		
97	***B11.8 Vermin***			
	Fixed:_____ Value related:_____ Time related:_____	Item		
	Carried Forward		R	

98 ***B11.9 Overhand work***

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

99 ***B11.10 Instruction manuals and guarantees***

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

100 ***B11.11 As built information***

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

101 ***B11.12 Tenant installations***

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

B12. SCHEDULE OF VARIABLES

102 ***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 pretender 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 italicized in [ ] brackets

12.1 PRE TENDER INFORMATION
12.1.1 **Provisional Bills of Quantities**
[2.2] The quantities are provisional: *YES*

Brought Forward R

12.1.2 **Availability of construction documentation**
[2.3] *Construction of documentation is complete: NO*

12.1.3 ***Interest of agents***
[2.4] Details: See Contract Data Part C/1 of Tender

12.1.4 ***Defined works area***
[3.1] Details: As per Tender Data

12.1.5 ***Geotechnical investigation***
[3.2] Details: NONE

12.1.6 ***Existing premises occupied***
[3.4] Specific requirements: N/A

12.1.7 ***Previous work - dimensional accuracy***
[3.5] Details: To be checked on site by contractor prior to building operations.

12.1.8 ***Previous work - defects***
[3.6} Details: To be checked on site by contractor prior to building operations.

12.1.9 **Services - known**
[3.7] Details: Should the contractor encounter any existing services such as underground cables, pipes or sewer during the execution of the works he shall notify the principal agent immediately and suspend all affected work in the immediate vicinity until instruction to proceed has been given by the principal agent.

12.1.10 ***Protection of trees***
[3.9] Specific requirements: All trees on the site outside of the position of the proposed structure must be protected.

12.1.11 **Inspection of adjoining properties**
[3.11] Specific requirements: The contractor must inspect adjoining properties and immediately bring to the notice of the Principal Agent of any consequences that may arise from the building works.

12.1.12 **Enclosure of the works**
[6.2} Specific requirements: The contractor shall enclose the works as required by the Occupational Health and Safety Act.

Carried Forward R

Brought Forward R

12.1.13 **Offices**
[6.4.3] Specific requirements: The contractor shall provide, maintain and remove on completion of the works an office for the exclusive use of the principal agent, minimum size 4 x 3 x 3m high internally, suitably insulated and ventilated, provided with electric lighting and fitted with boarded floor, desk, chairs, drawing stool, drawing board and lock-up drawers for drawings. The office shall be kept clean and fit for use at all times.

12.1.14 **Main notice board**
[6.5] Specific requirements:

The contractor shall provide, erect where directed, maintain and remove on completion of the works an DRPW compliant notice board as detailed by the Principal Agent.

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.

Sub-contractor's individual boards will be allowed on the site subject to the written approval of the Representative/Agent.

12.1.15 ***Subcontractors' notice board***
[6.6] Specific requirements: *NO*

12.1.16 ***Water***
[7.2} O*ption A (by contractor)*
(YES)

Option B (by employer - free of charge when available) (*YES)*

Option C (by employer - metered)
(*NO)*

12.1.17 ***Electricity***
[7.3] Option A (by contractor)
(*YES)*

Option B (by employer - free of charge when available) (NO*)*

Option C (by employer - metered)
(*NO)*

Carried Forward R

Section No. 1
Bill No. 1
PRELIMINARIES

Brought Forward R

12.1.18 ***Telecommunications***
[7.4] Telephone
(*YES)*

Facsimile
(*NO)*

E-mail
(YES*)*

12.1.19 ***Ablution facilities***
[7.5} Option A (by contractor)
(YES)

Option B (by employer)
(NO)

12.1.20 ***Protection of existing/sectionally occupied works***
[11.2] Protection is required (Only when existing buildings) (YES)

12.1.21 ***Special attendance***

[9.2] ***Electrical sub-contractor*** (1) details: Site Meetings

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

The contractor shall protect the works for the duration of the contract.

12.1.23 ***Disturbance***
[11.5] Specific requirements:

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

12.1.24 ***Environmental disturbance***

[11.6] Specific requirements: None

12.2 POST-TENDER INFORMATION

Carried Forward R

	Brought Forward		R
12.2.1 *Payment of preliminaries* *[10.2]* Option A (prorated) (*NO)* Option B (calculates) (*YES)*			
12.2.2 ***Adjustment of preliminaries*** *[10.3]* Option A (three categories) (*YES)* Option B (detailed breakdown) (*YES)*			
12.2.3 ***Additional agreed preliminaries items*** Details:**N/A**			

SCHEDULE OF SUPPLEMENTARY INFORMATION

NOTE:

The information listed below is in respect of certain clauses in the Preliminaries, requiring the supplementary information

Amount of insurance against injury to person or property in respect of any single occurrence **(See contract data)**
Amount of insurance against removal of support to adjoining properties in respect of any single accurance **Not specifically prescribed**

Contract period -
Refer to Contract Data

The date for site handover :- TBA

Amount of penalty per day on which the completion of the works may be in arrear:

6.25 cents per R100 of contract value per day (Excluding VAT)

	Carried Forward		R

Brought Forward R

Specification of materials and methods to be used: Specification of Materials and Methods to be used - **PW 371, Edition 2.1 July 2014**

Edition of Standard System of measuring building work: Seventh Edition including the latest amendments

The provision and the contract sum will be adjusted in accordance with the Contract Price Adjustment Provisions (CPAP) as set out in the CPAP Manual and Reference guide as prepared by the Joint Building Contracts Committee (JBCC) (series 2000, Code 2105).

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

SECTION C: SPECIFIC PRELIMINARIES

103 **C1 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 intelligible to the tenderer he shall, before submitting his tender, obtain clarification in writing from the **principal agent**

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

104 **C2 GENERAL PREAMBLES**

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

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

Carried Forward R

	Brought Forward			R
105	**C3 TRADE NAMES** Wherever a trade name for any product has been described in the **bills of quantities**, the tenderer's attention is drawn to the fact that any other product of equal quality may be used subject to the written approval of the **principal agent** being obtained prior to the closing date for submission of tenders If prior written approval for an alternative product is not obtained, the product described shall be deemed to have been tendered for Fixed: _____ Value related:_____ Time related:_____	Item		
106	**C4 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. (refer to Schedule of Imported Materials and Equipment (DPW23EC) to be completed by tenderer) 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		
107	**C5 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:_____	Item		
	Carried Forward			R

	Brought Forward			R
108	**C6 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:_____		Item	
109	**C7 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:_____		Item	
110	**C8 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:_____		Item	
	Carried Forward			R

	Brought Forward			R
111	**C9 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:_____			
			Item	
	C10 HIV/AIDS AWARENESS It is required of the **contractor** to thoroughly study the HIV/AIDS Specification (PW 1544) of the Department that must be read together with and is deemed to be incorporated under this Section of the **Bills of Quantities.** Provision for pricing of HIV/AIDS awareness is made under items C10.1 to C10.5 hereafter and it is explicitly pointed out that all requirements of the aforementioned specification are deemed to be priced hereunder, as the said items represent the only method of measurement and no additional items or extras to the contract in this regard shall be entertained. Also see Part C3.6 Social and Economic Deliverables F1 The **contractor** must take note that compliance with the HIV/AIDS Specification is compulsory. In the event of partial or total non-compliance, the **principal agent**, notwithstanding the provisions of Clause A 31 of "Section 1: Preliminaries (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.			
	Carried Forward			R

	Brought Forward			R
112	**C10.1 AWARENESS CHAMPION** Selection, appointment, briefing and making available of an Awareness Champion including provision of all relevant services, all in accordance with the HIV/AIDS Specification Fixed:_____ Value related:_____ Time related:_____	Item		
113	**C10.2 AWARENESS WORKSHOPS** Selection and appointment of a competent Service Provider approved by the **principal agent**, provision of a Service Provider Workshop Plan and a suitable venue, conducting of awareness workshops by means of traditional and/or modern multi-media techniques, including follow-up courses, making available all tuition material and performing assessment procedures, all in accordance with the HIV/AIDS Specification Fixed:_____ Value related:_____ Time related:_____	Item		
114	**C10.3 POSTERS, BOOKLETS, VIDEOS, ETC.** Provision, displaying, maintaining and replacing when necessary of four plastic laminated posters, booklets and educational videos, etc. for the duration of the **construction period**, all in accordance with the HIV/AIDS Specification Fixed:_____ Value related:_____ Time related:_____	Item		
115	**C10.4 ACCESS TO CONDOMS** Provision and maintenance of condom dispensers fixed in position, including male and female condoms, replenishing male and female condoms on a daily basis as required for the duration of the **construction period**, all in accordance with the HIV/AIDS Specification Fixed:_____ Value related:_____ Time related:_____	Item		
	Carried Forward			R

	Brought Forward			R
116	**C10.5 MONITORING** Monitoring HIV/AIDS awareness of workers, providing the **principal agent** with access to information including making available all reports, thoroughly completed and reflecting the correct information, for the duration of the **construction period** and close out, all in accordance with the HIV/AIDS Specification Fixed:_____ Value related:_____ Time related:_____		Item	
117	**C11.1 OCCUPATIONAL HEALTH AND SAFETY ACT** The contractor shall comply with the requirements set out in the Construction Regulations, 2014 issued under the Occupational Health and Safety Act, 1993 (Act No. 85 of 1993). It is required of the contractor to thoroughly study the Health and Safety Specification that must be read together with and is deemed to be incorporated under this Section of the bills of quantities/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 A3.10 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, Health and Safety Specification and Project Specific Plan is made under this clause and it is explicitly pointed out that all requirements of the aforementioned are deemed to be priced hereunder and no additional claims in this regard shall be entertained. **Note:** Please refer to "OHS BOQ" within Book 2 of the Tender Document (Total to be carried forward to this item). Fixed:_____ Value related:_____ Time related:_____		Item	
	Carried Forward			R

	Brought Forward			R
	C11.2 COVID-19 SPECIFIC REQUIREMENTS			
118	All legislative requirements relating to Covid-19 is to be priced under this clause - refer to the attached Health and Safety COVID related Specifications. Based on a **24** months Covid-19 restriction period (Provisional) Note: This clause will be excluded from the Fixed, Value and Time-related adjustments.		Item	
119	**C12. SOCIAL AND ECONOMIC DELIVERABLES IN CONSTRUCTION WORKS CONTRACTS** The contractor shall thoroughly study and comply with the requirements and specification data set out in Part C3.6: Specification for Social and Economic Deliverables in Construction. Fixed:_____ Value related:_____ Time related:_____		Item	
120	**C13 LOCAL BUILDING MATERIALS** Preference shall be given to the supply of materials produced or manufactured in the Eastern Cape Province provided that: (a) Such materials comply in all respects with the specific requirements of the "Model Preambles For Trades". (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. Target Area 1: **Umzimvubu District Municipality** Fixed:_____ Value related:_____ Time related:_____		Item	
	Carried Forward			R

	Brought Forward			R
121	**C14 LOCAL EMPLOYMENT GENERATION** It is an explicit condition of this tender that the Contractors labour force must comprise of persons normally resident in the locality of the works (local labour) and hence must be employed on this contract. The contractor will not be allowed to import skilled personnel if the required skills exist within the local community. The contractor will however be allowed to make use of his own permanently employed machine operators and drivers. Provided, however, that should adequate and appropriate labour not be available within the locality, other labour may be employed subject to satisfactory proof that every reasonable endeavour has been made to employ labour from the immediate locality. The contractor shall identify the local community leaders with the purpose of negotiating with them regarding the utilisation of local labour in the construction process. The specific employment goals, which are to be met for this project, are as follows: (a) A minimum of 70% local labour employment Target Area 1: **Umzimvubu District Municipality** Target Area 2: **Alfred Nzo District Municipality** Fixed:_____ Value related:_____ Time related:_____	Item		
	Carried Forward			R

	Brought Forward			R
	C15.1 SMME SPECIFICATIONS			
	The Tenderer is encouraged to target works that can be performed by local enterprises as prime contractors, sub-contractors or suppliers. This target must be based on the value of work to be performed. The Local Enterprise Participation goal must be calculated in relation to every entity involved in the project. Management staff from other areas for the duration of the project will not qualify as local. Plant and equipment brought from other areas will not qualify as local. Material and plant sourced from local suppliers or agencies will qualify as local. A supplier that has been established locally by a Tenderer solely for the purpose of servicing the project will not qualify. The contractor shall ensure full achievement of the deliverables through the construction period of this construction contract.			
122	**C15.2 SMME CONSTRUCTION MENTOR** Provision for pricing for the employment, on a full-time basis for the duration of the contract, a SMME Construction Mentor. All costs associated with the execution of the SMME Construction Mentor duties, provision of office facilities and tools of trade are deemed to be priced hereunder. No additional claims in this regard shall be entertained. The above is in strict accordance with Section D 11.1 of the Specification for the Employment of SMME Sub Contractors (SES 006) and all costs should be included in this item. Fixed:_____ Value related:_____ Time related:_____	Item		
	Carried Forward			R

	Brought Forward			R
123	**C15.2 SMME CONSTRUCTION MENTOR** Provision for pricing for the employment, on a full-time basis for the duration of the contract, a SMME Construction Mentor. All costs associated with the execution of the SMME Construction Mentor duties, provision of office facilities and tools of trade are deemed to be priced hereunder. No additional claims in this regard shall be entertained. The above is in strict accordance with Section D 11.1 of the Specification for the Employment of SMME Sub Contractors (SES 006) and all costs should be included in this item. Fixed:_____ Value related:_____ Time related:_____	Item		
	WAIVER OF LIEN			
124	The tenderers are notified that he/she shall sign "Waiver of Lien" together with the JBCC Principal Building Agreement Edition 4.1 Code 2101 March 2005.	Item		
	Carried to Final Summary			R

Section No. 1
Bill No. 1
PRELIMINARIES

Item No		Quantity	Rate	Amount

BILL NO. 1

ALTERATIONS

ALL TRADES BILL PROVISIONAL

The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2017 Edition), the Department of Public Works document No. PW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated hereunder.

View site

Before submitting his 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.

Explosives

No explosives whatsoever may be used for alteration purposes unless otherwise stated.

General

The contractor shall carry out the whole of the works with as little mess and noise as possible and with a minimum of disturbance to tenants in the building and to adjoining premises and their tenants. He shall provide proper protection and provide, erect and remove when directed, any temporary tarpaulins that may be necessary during the progress of the works, all to the satisfaction of the Principal Agent.

Water supply pipes and other piping that may be encountered and found necessary to disconnect or cut, shall be effectually stopped off or grubbed up and removed and any new connections that may be necessary shall be made with proper fittings, to the satisfaction of the Principal Agent.

Carried Forward R

	Brought Forward			R
	Doors, fanlights, windows, fittings, frames, linings, etc which are to be re-used shall be thoroughly overhauled before refixing including taking off, easing and rehanging, cramping up, re-wedging as required and making good cramps, dowels, etc, and oiling, adjusting and repairing ironmongery as necessary, replacing any glass damaged in removal or subsequently and stopping up all nail and screw holes with tinted plastic wood to match timber, unless otherwise described. Re-painting or re-varnishing is given separately.			
	Prices for taking out of doors, windows, etc shall include for removal of all beads, architraves, ironmongery, etc			
	Prices for taking out and removing doors and frames shall include for removing door stops, cabin hooks, 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).			
	TEMPORARY BARRIERS, SCREENS, ETC			
	Temporary barriers, screens, etc. including removal:			
1	Hoarding 2400mm high formed of 2200mm long 100mm diameter gum poles embedded 400mm into ground and 2 500mm centres with timber purlins horizontal at 600mm centres to form a frame nailed upon gum poles with 70% shade net including excavating, backfilling, compacting, etc., complete including maintenance, reuse and removal thereof on completion.	m	100	
2	Allow for installing shutter board to form boarding for opening complete with frames	m2	3	
3	Extra over for 5600mm x 1800mm Double swing galvanised mesh gate fitted and screwed to post	No	1	
	Carried Forward			R

	Brought Forward			R	
	PREPARATORY WORK TO EXISTING SURFACES				
	Prepare existing surfaces to receive new paint:				
4	Hack off plaster from walls and cart away rubble to a dump site located by Contractor.	m2	604		
	REMOVAL OF EXISTING WORK				
	Taking out and removing doors, windows, etc. including thresholds, sills, etc. from walls to be demolished (demolishing elsewhere) and carting away to a dump site selected by the contractor:				
5	Timber single door and frame not exceeding 2m².	No	9		
6	Timber double door and frame exceeding 2m² not exceeding 4m².	No	1		
	Taking out and removing doors, windows, etc. including thresholds, sills, etc. including carting away to a dump site selected by the contractor (building up openings and making good finishes elsewhere):				
7	Glazed steel window not exceeding 2m².	No	68		
	Taking down and removing roofs, floors, panelling, ceilings, partitions, etc				
8	Corrugated bull nose sheet steel roof covering and timber purlins.	m2	289		
9	Ceilings suspension grid, hangers, etc.	m2	289		
10	Aluminium rainwater pipes and gutters not exceeding 500mm girth.	m	39		
	Taking down and removing steel roof trusses including carting away to a dump site selected by the contractor:				
11	Pitched roof trusses not exceeding 2.5mm high overall of timber trusses, purlins, bracing, fascias, barges, eaves and verges soffits, etc.	m2	289		
	Carried Forward			R	

	Brought Forward			R	
	Taking up and removing wood block floor coverings, vinyl floor coverings, carpets, etc. including carting away to a dump site selected by the contractor and and preparing screeds for new floor coverings:				
12	Vinyl floor tiles and adhesive from floors and prepare for new.	m2	148		
13	Granolithic/cement screeds and prepare for new.	m2	183		
	Hacking off and removing ceramic tiles including removing mortar bed or adhesive from concrete or brickwork and preparing surfaces for new screed, plaster, tile finish, etc:				
14	Tiles to floor.	m2	35		
	Taking out and removing glass and mirrors:				
15	Mirrors	No	4		
	Taking out and removing piping, including cutting off as necessary, holder bats and making good floor and wall finishes (making good tiling and paintwork elsewhere)				
16	PVC piping not exceeding 50mm external diameter.	m	10		
17	PVC piping exceeding 50mm and not exceeding 100mm external diameter.	m	10		
	Allow for the careful removal of existing sanitary fittings and replace with new (elsewhere measured) including making safe of water connection and carting away to a dumpsite located by Contractor:				
18	Wash hand basin.	No	4		
19	Water closet.	No	5		
20	Shower.	No	5		
21	Toilet roll holders.	No	5		
22	900mm stainless steel shower curtain rails	No	5		
	Carried Forward			R	

	Brought Forward			R	
	BUILDING UP, ADJUSTING EXISTING OPENINGS OR FORMING NEW OPENINGS THROUGH EXISTING WALLS, ETC.				
	Block work in building up walls:				
23	190mm Block walls up to under side of roof	m2	30		
	2.5mm Galvanised brick reinforcement:				
24	150mm Wide brick reinforcement built in horizontally.	m	150		
	CLEANING DOWN SURFACES				
	Thoroughly clean down existing surfaces by means of high pressure water jet (minimum 250 bar) and chemicals, remove all flaking substances, fungal marks, grease and all other contaminants, etc. as described in the specification:				
25	Vertical and horizontal tinted blockwork.	m2	214		
26	Plaster bend and column.	m2	52		
	Cleaning and Repainting of Existing Exposed Structural Steelwork				
27	Removal of rust and loose paint, surface preparation, one coat of anti-corrosive primer and two coats of approved enamel paint, complete with all necessary labour, materials and access equipment.	t	1.00		
	Carried Forward to Summary of Section No. 2			R	

Item No			Quantity	Rate	Amount
	BILL NO. 2				
	WATERPROOFING				
	The Tenderer is referred to the relevant Clauses in the separate Supplementary Preambles hereunder and Department of Public Works PW371 document.				
	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.				
	Waterproofing:				
	Waterproofing of roofs, basements, etc shall be laid under a ten year guarantee. Waterproofing to roofs shall be laid to even falls to outlets etc with necessary ridges, hips and valleys. Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs.				
	JOINT SEALANTS, ETC.				
	Caulk with clear silicone sealant with pressure caulking gun:				
1	In joints between timber or metal doors and / or windows and face brickwork or plaster.	m	163		
	Carried Forward to Summary of Section No. 2			R	

Item No		Quantity	Rate	Amount

BILL NO. 2

ROOF COVERINGS, ETC.

PREAMBLES

The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2017 Edition), the Department of Public Works document No. PW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated hereunder.

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:

Fixing shall be done according to SABS 1200HB with minimum 225mm end laps.

Guarantee:

The contractor will be required to provide a written guarantee, stating that:
1. The roof sheeting is of the specified thickness.
2. The client is indemnified against any defects, including colour deterioration for a minimum period of 15 years.

Pricing:

Prices for roof covering and cladding are to include for all necessary drive screws, hook bolts, sheet bolts, nuts, washers, etc., for drilling holes for screws and bolts including removing all swarf from the sheeting and all right angle cutting and waste (Measured net).

Carried Forward R

	Brought Forward			R	
	PROFILED METAL SHEETING AND ACCESSORIES				
	0.58mm thick 406mm cover Klip-Lok 406™ profile Chromadek Ultim® Z275 spelter ISQ550 Azure Blue finish topcoat and Pebble Grey backing coat roof sheeting, fixed to steel purlins at 1824mm centres and eaves and end-span purlins at 1632mm centres (final spacing to be calculated by an Engineer) using KL 65 clips fixed with 10No.11 x 45mm long self-drilling wafer head PH2 screws, type 17 drill point fasteners (fastener lengths may vary depending on the insulation used or requirements), all following the manufacturer`s specifications by a GRS approved contractor.				
1	Roof covering with pitch not exceeding 25 degrees.	m2	289		
2	600mm Girth ridge capping.	m	19		
3	580mm Girth barge flashing.	m	30		
4	Narrow and broad flute closers 140mm girth	m	39		
	ROOF INSULATION				
	135mm Non-combustible lightweight fibreglass insulation blanket. All to be fixed in accordance with manufacturers specification:				
5	Insulation laid loose on top of brandering and fitted between tie beams including galvanised steel straining wires, laps, etc.	m2	289		
	Carried Forward to Summary of Section No. 2			R	

Item No		Quantity	Rate	Amount

BILL NO. 3

CARPENTRY & JOINERY

PREAMBLES

The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2008 Edition), the Department of Public Works document No. PW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated hereunder.

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.

Prefabricated roof trusses:

Prefabricated timber roof trusses shall be constructed of South African pine by a firm of specialist designer manufacturer's as approved by the Architect.

Prices must include for all cross and windbracing according to the manufacturer's instruction.

Prices must include for the design, plans and approval of all timber trusses and no claim shall be considered.

Trusses shall be assembled in truss fabricating jigs with the truss having the proper camber, all tightly clamped together with joints secured using approved connector plates of galvanised steel sheet. Connector plates shall be pressed into the timber simultaneously from both sides of the truss with a hydraulic press capable of exerting such pressure as will ensure complete penetration of the teeth into the timber.

The connector plates shall be of such size as will ensure that the joints so made will adequately withstand the forces exerted on the joints.

Carried Forward R

Brought Forward R

Approval of pre-fabricated roofing systems, whether measured as an alternative or not, shall be subject to the following requirements:

(a) The Manufacturer of the pre-fabricated trusses shall hold a certificate of competence issued by the Insitute for Timber Construction.

(b) A polyester print, size A1 having a minimum thickness of 0,5mm, shall be submitted by the Contractor to the Regional Representative at an early stage for approval by the Directorate: Structural Engineering Services.

(c) The drawings shall be signed by a Registered Professional Engineer whose name appears on the Departmental panel for structural work.

(d) In the case of systems buildings, approval shall be given with submission of the contract drawings on acceptance of the tender.

The following minimum information shall be shown on the drawings:

(a) Details of the roof system with the position of the rafters and purlins indicated thereon as well as typical elevations.

(b) Bracing as recommended by the Institute for Timber Construction.

(c) Sizes and grading of the timber components.

(d) Truss sizes, e.g. height of ridge or angle of pitch.

(e) Plate sizes for every construction point. (Code numbers only are deemed insufficient).

(f) Seperate connection details for hip, valley and jack rafters.

(g) Maximum spacing for purlins and brandering to ceilings shall be according to Subclauses 7.6.1 and 7.6.2 and Clauses 7.8, 7.9 and 9.5.

Carried Forward R

	Brought Forward			R	
	(h) The type of roof covering as well as the design load. Over and above the supervision undertaken by the Representative / Agent, the Truss Fabricator or his Design Engineer shall inspect the completed roof structure and issue a certificate of confirmation to the Department that: "The roof structure(s) has (have) been erected in accordance with the Design Engineer's drawings, as accepted by the Department, and the relevant details given in the manual "THE ERECTION AND BRACING OF TIMBER ROOF TRUSSES" issued by the National Timber Research Institute and the Institute for Timber Construction".				
	Joinery:				
	Descriptions of frames shall be deemed to include frames, transomes, mullions, rails, etc.				
	Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes.				
	Fixing:				
	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.				
	SKIRTINGS				
	Wrought hardwood:				
1	19mm x 69mm Meranti timber skirting securely plugged and screwed to wall at 400mm centres with screw heads recessed and covered with an approved matching timber filter.	m	66		
	TIMBER DOORS, WINDOWS, ETC.				
	DOORS, ETC.				
	Carried Forward			R	

	Brought Forward			R	
	Solid core pine softwood timber flush panel door with hardborad both sides and two concealed edges:				
2	40mm x 813mm x 2032mm high	No	4		
3	40mm x 915mm x 2032mm high	No	5		
	Solid core pine softwood timber flush panel door with hardboard both sides and two concealed edges, with 6.38mm clear safety laminated glass viewing panel:				
4	1800mm x 2100mm high Double door.	No	1		
	FRAMES, LININGS, ETC.				
	Wrought hardwood:				
5	44mm x 69mm Frame for door 813mm x 2032mm high, 12mm rebated and 14mm x 14mm chamfered outward exposed edge.	No	4		
6	44mm x 69mm Frame for door 915mm x 2125mm high, 12mm rebated and 14mm x 14mm chamfered outward exposed edge.	No	5		
7	44mm x 69mm Frame for door 1800mm x 2125mm high, 12mm rebated and 14mm x 14mm chamfered outward exposed edge.	No	1		
	BEADS, ARCHITRAVES, SILLS, ETC.				
	Wrought hardwood:				
8	16mm Quadrant beads.	m	148		
	EAVES, VERGES, ETC.				
	High density plain ungrooved Fibre Cement fascia boards and barge boards with PVC H-profile fascia joiner between boards and PVC H-profile fascia corner joiners at board ends.:				
9	15mm x 225mm Fascia boards, including H-profile joiners, etc.	m	39		
10	Ditto, for barge boards	m	15		
	Carried Forward to Summary of Section No. 2			R	

Section No. 2
Bill No. 4
CARPENTRY AND JOINERY

Item No		Quantity	Rate	Amount
	BILL NO. 4			
	CEILINGS, PARTITIONS AND ACCESS FLOORING			
	PREAMBLES			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2008 Edition), the Department of Public Works document No. PW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated hereunder.			
	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.			
	Descriptions:			
	Items described as nailed shall be deemed to be fixed with hardened steel nails or pins or shot pinned to brickwork or concrete.			
	Items described as plugged shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres, and where described as bolted the bolts have been given.			
	NAILED UP AND SCREW UP CEILINGS			
	1200 x 600 x 12.5mm gypsum ceiling panels face-covered with fissured embossed vinyl.			
1	Ceiling laid on fire rated S3 exposed demountable Butt-cut T24 suspension system, comprising galvanised main tees and cross tees with main tees suspended by means of galvanised hangers at centres not exceeding 1200mm with ceiling perimeter finished with Perimeter W-trim, plugged and screwed at 200mm centres, and all installed to manufacturer's instructions.	m2 148		
	Carried Forward		R	

	Brought Forward			R	
	Everite Nutec 4mm thick plain ceiling boards, manufactured in accordance with SANS 9001:2000 carrying SANS 803:2005 H-profile white PVC jointing strips over joints, ll in accordance with the manufacturer`s recommendations.:				
2	Ceiling boards fixed to demountable Butt-cut T24 suspension system, comprising galvanised main tees and cross tees with main tees suspended by means of galvanised hangers at centres not exceeding 1200mm in accordance with the manufacturer's recommendations.	m2	35		
3	Extra over for 600 x 600mm ceiling trap door complete with frame.	No	1		
	INSULATION				
	Isover 100mm thick Aerolite non-combustible light weight fibreglass Glasswool thermal ceiling insulation. All to be fixed in accordance with manufacturers specification:				
4	Insulation laid loose on top of brandering and fitted between tie beams including galvanised steel straining wires, laps, etc.	m2	183		
	Carried Forward to Summary of Section No. 2			R	

Section No. 2
Bill No. 5
CEILINGS, PARTITIONS AND ACCESS FLOORING

Item No			Quantity	Rate	Amount
	BILL NO. 6				
	FLOOR COVERINGS, WALL LININGS, ETC				
	The Tenderer is referred to the relevant Clauses in the separate Supplementary Preambles hereunder and Department of Public Works PW371 document.				
	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.				
	Cleaning:				
	Rates for floor covering shall include for proper cleaning on completion.				
	FLOOR COVERINGS				
	2mm thick x 2 m wide homogeneous(PUR) fully flexible vinyl flooring, Polyurethane coated of a weight not greater than 3,55kg per m2 laid in conductive acrylic adhesive spread with a notched trowel on suitablyprepared cement screed with a hygrometer reading showing a moisture content of less than 70%, with joints welded with a fully flexible welding rod to provide a smooth, hygienic sealed finish and rolled with 68kg articulated floor roller, all in accordancewith manufacturer`s recommendations, laid in acrylic adhesive.				
1	On floors.	m2	148		
	POLISH, SEALERS, ETC.				
	Prepare and apply three coats of a water based floor dressing complying to SANS 1042:				
2	On vinyl flooring	m2	148		
	Carried Forward to Summary of Section No. 2			R	
	Section No. 2 Bill No. 6 FLOOR COVERINGS				

Item No		Quantity	Rate	Amount

BILL NO. 5

IRONMONGERY

PREAMBLES

The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2008 Edition), the Department of Public Works document No. PW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated hereunder.

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:

Finishes to ironmongery:

Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list:

BS Satin bronze lacquered
CP Chromium plated
SC Satin chromium plated
SE Silver enamelled
GE Grey enamelled
AS Anodised silver
AB Anodised bronze
AG Anodised gold
ABL Anodised black
PB Polished brass
PL Polished and lacquered
PT Epoxy coated
SD Sanded Fixing

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

Descriptions of proprietary items shall be deemed to include fixing in position and all fixing accessories.

Carried Forward R

	Brought Forward			R	
	HINGES, BOLTS, ETC.				
	Manufactured by "Dormakaba" or Equally Approved:				
1	102mm "DBB-SS-009" stainless steel two-ball bearing hinge.	Pairs	14.0		
	LOCKS				
	Manufactured by "Dormakaba" or Equally Approved:				
2	"D036S-SS" stainless steel sash lock.	No	4		
3	"DMWC-SS-008" Bathroom deadlock.	No	5		
4	"DWC-005" Bathroom WC indicator (red and white) and turnknob.	No	5		
	The following locks are to be suitable for master key operation				
5	"DDC206301 MK" satin nickel euro profile nickel plated E-SP 5 pin double cylinder master keyed.	No	4		
6	"D038RNP" rebate conversion kit for Euro profile locks D036S, D037D	No	1		
7	"DFB-SC-180 153mm flush bolt with heel"	No	2		
	HANDLES				
	Manufactured by "Dormakaba" or Equally Approved:				
8	110mm "CB-30-CYL" satin chrome lever handle.	No	4		
9	150mm "109SC" Halcast SC on brass surface fix pull handle fixed with one way screws.	No	5		
10	200 x 22mm straight tubular pull handle	No	1		
	DOOR CLOSER				
	Carried Forward			R	

	Brought Forward			R	
	Manufactured by "Dormakaba" or Equally Approved:				
11	Dormakaba EN 3 Cam action door closer with standard NON-HOLD OPEN slide channel arm. EN1154, certified to ISO 9001. Hydraulic speed control. Standard pull-side door leaf fixing. Transom push-side fixing. EN3 suitable for door width 850-950mm. Fire rated: CERTI FIRE approved (CF 119) for door types of ITT 120, MM/IMM 240.	No	1		
	LETTERS, NAMEPLATES, ETC.				
	All signage specifications to be in line with SABS Standards and to comply with all SANS Regulations.				
	Manufacturers to provide guarantees on all items and art work for weather proofing and UV protection. All fixing details to be in accordance with Engineer's recommendations and manufacturers specifications.				
12	150mm x 150mm Dormakaba or Equally Approved engraved FEMALE sign	No	1		
13	150mm x 300mm x 1.2mm thick Grade 430 stainless steelplate.	No	1		
	SUNDRIES				
	Manufactured by "Dormakaba" or Equally Approved:				
14	"DDS-SS-017" stainless steel half door stop.	No	1		
15	"401SC" Halcast or Equally approved doorstop and holder	No	5		
16	"DJW" concealed fixing rubbber doorstop	No	5		
17	"DPS-SS-032" Dust proof strike	No	1		
	CURTAINS AND BLINDS, WINDOW TREATMENTS, ETC.				
	Stainless steel curtain rod, specialist fixed to walls, complete with marine blue blockout fire-retardant curtains with lace , curtain headings, brackets, end caps, fixing accessories and all necessary fittings, with curtain sizes to match respective window openings, supplied and installed complete in accordance with manufacturer's recommendations.				
18	2200 x 2100mm high	No	6		
	Carried Forward			R	

	Brought Forward			R	
19	2800 x 2100mm high	No	2		
	Carried Forward to Summary of Section No. 2			R	

Section No. 2
Bill No. 7
IRONMONGERY

Item No		Quantity	Rate	Amount

BILL NO. 8

METALWORK

PREAMBLES

The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2008 Edition), the Department of Public Works document No. PW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated hereunder.

SUPPLEMENTARY PREAMBLES

Descriptions

Descriptions of bolts shall be deemed to include nuts and washers.

Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete.

Metalwork described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described.

NOTE: All steel will be galvanised unless otherwise stated.

Reference to drawings and details:

Where drawings and/ or details have been referred to Tenderers should price for complete detail and specification on such details and/ or drawing. No claims relating to the omissions on the part of tenders will be entertained.

Descriptions of bolts, anchors, etc.:

Unless otherwise described, descriptions of items shall be deemed to include for fixing to brickwork or concrete.

Where item are described as "bolted", the bolts are measured elsewhere.

Descriptions of bolts shall be deemed to include nuts and washers.

Carried Forward R

Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete.

Items described as 'holed for bolt(s)' shall be deemed to exclude the bolts unless otherwise described.

Fixing:

Items described as 'plugged' shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres.

Doors and windows shall comply with AAAMSA design criteria Glazing shall comply with SAGGA regulations. Glass shall be laminated performance glass as shown on the window schedules appended to these bills of quantities (as described in the headings to window descriptions). Glass thickness shall comply with SAGGA regulations irrespective of thickness shown on the schedules. Doors and windows shall be supplied with protective tape and plastic and shall be removed only once surrounding trades have been completed. For purpose made windows and doors, refer to drawings annexed to these bills of quantities.

The following certificates shall be provided prior to commencement of site work:

1. A copy of the relevant AAAMSA Performance Test Certificate from the manufacturer/contractor supplying the architectural aluminium product.

2. A Certificate of Conformance confirming that anodising or powder coating has been processed in accordance with SANS 999 and SANS 1796 respectively.

3. A powder guarantee of not less than 15 years issued by the powder manufacturer. The specific conditions contained in this guarantee shall form part of the powder coating process.

4. A Certificate of Conformance confirming that glazing has been installed in accordance with SANS 0137, ensuring that safety glazing materials have been installed in the mandatory areas and that each individual pane of safety glazing materials has been permanently marked.

	Brought Forward			R	
	5. A warranty from the manufacturer of the laminated safety glass and/or hermetically sealed glazing units guaranteeing the products against delamination and colour degradation for a period of not less than five years.				
	Note: The contractor is to check on site measurements before placing of order.				
	SECURITY GATES				
	Purpose made wall mounted trellidor burglar bars or similar approved burglar bars constructed from 30mm x 12 mm flat bars with 10mm round bars in full approximately 125mm centres, fixed to wall with M10 expansion bolts to cover door space to specialist:				
1	1800mm x 2100mm high.	No	1		
	STEEL MINOR WORK				
	Hot-dipped galvanised steel beams, columns, purlins complete with end plates, bolts, hanger brackets, etc.:				
2	305 x 102 x 33kg/m I section to form tapered sprockets with welded end plates including attaching to existing steel	t	0.37		
3	200 x 100 x 20 x 2.5mm cold-formed lipped channel (CFLC) purlins at 1260mm centres, including welded 125 x 75 x 8mm angle cleats and 4 No. M12 bolts per connection, complete as per Engineer's specifications.	t	2.52		
4	90 x 65 x 6mm mild steel angle fascia rails, including all necessary fixing accessories, complete as per Engineer's specifications.	t	0.32		
	Carried Forward			R	

	Brought Forward				R
	ALUMINIUM WINDOWS, ETC.				
	Supply and install the aluminium windows complete with burglar bars comprising of 30 × 12mm galvanised steel flat bars with 10mm diameter galvanised steel round bar infills at approximately 125mm centres, fixed to internal masonry reveals with M10 expansion bolts into predrilled holes, including all necessary fittings, fixings and accessories, installed in accordance with manufacturer's recommendations.				
5	600 x 600mm high with 6.38mm obscure laminated safety glass (W01)	No	40		
6	600 x 600mm high with 6.38mm clear laminated safety glass (W02)	No	22		
7	600 x 600mm high with 6.38mm osbure laminated safety glass (W04)	No	5		
8	600 x 600mm high with 6.38mm obscure laminated safety glass (W05)	No	1		
	STEEL FURNITURE				
	Allow for the supply of the following furniture item including setting into position:				
9	Steel Single over single bunk bed size 1900 x 910mm comprising on 25mm diameter x 1,6mm thick tublar steel head frame, foot frame and legs, welded to 40 x 40 x 2,5mm thick angle iron frame with maximum 60mm x 60mm mesh mattress support welded to frame with 4x 40 x 40 x 3mm thick base plate welded to bed frame. Maximum carry weight to be 120kg. Bed assembly and stability to be done as per manufacturer's recommendations	No	50		
10	Extra over for 910mm x 1880mm Single bed medium density foam student mattress covered in polycotton warp knit. Mattress thickness is 150mm	No	100		
11	Heavy Duty Single door steel locker Size :1800mm (h) x 300mm (w) x450mm (d). Top shelf, hanging rail and bottom shelf. Louvred door. Hasp and staple for padlock facility (Colour : Ivory Karoo)	No	100		
12	Steel bench comprising of single Steel frame and wooden slats seat, measuring 1500mm (l) x 350mm (w) x 430mm (h) (Colour of frame: black)	No	15		
	Carried Forward to Summary of Section No. 2				R

Section No. 2
Bill No. 8
METALWORKS

Item No		Quantity	Rate	Amount

BILL NO. 9

PLASTERING

PREAMBLES

The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2008 Edition), the Department of Public Works document No. PW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated hereunder.

SUPPLEMENTARY PREAMBLES

Moisture tests:

Before any finishes, coverings, etc. are applied to screeds, plastering, etc. or any other in-situ finish moisture tests are to be carried out to the complete satisfaction of the Principal Agent to ensure that these surfaces have the correct moisture content for the finish to be applied.

Labours, etc.:

Labours such as fair, rounded and chamfered edges, trowel cuts, throats, V-joints, angles, etc. shall be deemed to be included in the descriptions.

Granolithic:

Coloured granolithic shall be tinted with an approved colouring pigment mixed into a true and even colour.

Granolithic shall be covered with clean hessian with waterproof building foil over and kept wet for at least seven days after laying.

Granolithic shall be laid in panels not exceeding 14m\'b2 for monolithic finishes, not exceeding 9,5m\'b2 for bonded finishes and not exceeding 6m\'b2 for all external granolithic. Wherever possible, panels shall be square but at no time should the length of the panel exceed 1,5 times its width.

Carried Forward R

	Brought Forward			R	
	Unless otherwise described, granolithic shall attain a compressive strength of at least 41MPa. The coarse aggregate shall comply with SANS 1083 and shall generally be capable of passing a 10mm mesh sieve. Where the thickness of the granolithic exceeds 25mm, the size of the coarse aggregate shall be increased to the maximum size compatible with the thickness of the granolithic. For granolithic applied monolithically, the concrete floor shall be swept clean after bleeding of the concrete has ceased and the slab has begun to stiffen; any remaining bleed water shall be removed and the granolithic applied immediately thereafter. For granolithic to be bonded to the floor slab after it has hardened, the slab surface shall be hacked (preferably by mechanical means) until all dirt, oil, etc. is dislodged and swept clean of all loose matter. The slab shall then be wetted and kept damp for at least six hours before applying the granolithic. Where possible joints between panels shall be positioned over joints in the floor slab and shall be at least 3mm wide through the full thickness of the finish, separated by strips of wood or fibreboard and finished with V-joints. <u>Cement plaster:</u> Unless otherwise described, cement plaster shall be taken to mean Class 1 cement plaster. <u>Self - levelling screed:</u> To Contractor's expense should Grade 1 variance in F1 above not be achieved. Grind & prime existing surface with self-leveling Tal-Screed Master or equal & approved - thickness between between 4 to 5mm. **<u>SCREEDS</u>** **<u>Screed Repairs and Surface Preparation</u>**				
1	Prepare existing screeded floor surfaces and apply approximately 2.5mm thick "FloorworX Pavelite" or Equally Approved cementitious screed repairing compound, including cleaning, priming, mixing, steel trowel application, smoothing and light sanding, complete in accordance with manufacturer's specifications.	m2	183		
	Carried Forward			R	

	Brought Forward			R	
	3:1 Cement plaster screed power floated on concrete:				
2	30mm Thick screed on floors and landings.	m2	183		
	INTERNAL PLASTER				
	10mm - 20mm thick 1:6 cement sand mix finished with a steel trowel to rough brick walls. IDM is to be manufactured in accordance with SANS 50197-1:				
3	On walls.	m2	604		
4	On narrow widths.	m2	60		
	EXTERNAL PLASTER				
	10mm - 20mm thick 1:6 cement sand mix finished with a wood trowel to rough brick walls. IDM is to be manufactured in accordance with SANS 50197-1:				
5	On walls.	m2	25		
6	On narrow widths.	m2	10		
	Carried Forward to Summary of Section No. 2			R	

Section No. 2
Bill No. 9
PLASTERING

Item No			Quantity	Rate	Amount
	BILL NO. 10				
	TILING				
	PREAMBLES				
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2008 Edition), the Department of Public Works document No. PW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated hereunder.				
	SUPPLEMENTARY PREAMBLES				
	Fixing:				
	Unless described as 'fixed with adhesive to plaster (plaster elsewhere)' descriptions of tiling on brick or concrete walls, columns, etc. shall be deemed to include 1:4 cement plaster backing and descriptions of tiling on concrete floors etc. shall be deemed to include 1:3 plaster bedding.				
	Tiling described as "fixed with adhesive on power floated concrete" shall be deemed to include for approved tiling key - coat.				
	Ceramic, tiles are to be fixed and grouted with suitable adhesives and grouts from the Professional range of products as recommended by the manufacturer of the tiles.				
	WALL TILING				
	200 x 200mm glazed ceramic wall tiles fixed to wall plaster backing with TAL tile adhesive (elsewhere specified) with joints continuous in both directions and grouted with TAL tile grout (elsewhere specified)(colour white)				
1	On walls.	m2	114		
	Carried Forward			R	

	Brought Forward			R	
	FLOOR TILING				
	300mm x 300mm Full body ceramic tiles (Code: 1UNICT112A300), floor tiles fixed to wood floated cement screed with with TAL tile adhesive (elsewhere specified) with joints continuous in both directions and grouted with TAL tile grout (elsewhere specified), excess grout on the surface to be cleaned with water as work proceeds				
2	On floors.	m2	35		
3	On narrow widths to form 100mm high skirting.	m	6		
	SUNDRIES				
	Aluminium dividing strips, etc.:				
4	40mm Aluminium transition strip embedded into screed.	m	3		
	Carried Forward to Summary of Section No. 2			R	

Section No. 2
Bill No. 10
TILING

Item No		Quantity	Rate	Amount

BILL NO. 11

PLUMBING AND DRAINAGE (PROVISIONAL)

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.

The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2017 Edition), the Department of Public Works document No. PW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated hereunder.

SUPPLEMENTARY PREAMBLES

References to details and drawings:

Where drawings and/ or details have been referred to Tenderers should price for complete detail and specification on such details and/ or drawing. No claims relating to the omissions on the part of tenders will be entertained.

Wire gratings:

Descriptions of gutter outlets etc. shall be deemed to include wire balloon gratings.

Stormwater channels:

Descriptions of channels shall be deemed to include necessary excavation, surface preparation, compaction, etc., and disposal of surplus material on site.

French drains:

Descriptions of French drains shall be deemed to include excavation, stone filling graded from 300mm diameter at bottom to 75mm diameter at top, approved geo-fabric filter blanket over stone, 300mm earth filling over and disposal of surplus material on site.

Carried Forward R

Stainless steel basins, sinks, wash troughs, urinals, etc.:

Stainless steel for economy basins, domestic sinks and worktops shall be Type 430 (17/0) Stainless steel for urinals, basins, quality sinks, wash troughs, institutional equipment, etc. shall be Type 304 (18/8) Stainless steel for laboratory sinks, photographic equipment, etc. shall be Type 316 (18/8) Units shall have standard aprons on all exposed edges and tiling keys against walls where applicable.

Sealing of edges:

Outer edges of sinks, basins, baths, urinals, etc. are to be sealed against adjacent surfaces with approved silicone.

uPVC pipes and fittings:

Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings Soil, waste and vent pipes and fittings shall be solvent weld jointed or sealed with butyl rubber rings.

uPVC pressure pipes and fittings:

Pipes of 50mm diameter and smaller shall be plain ended with solvent welded uPVC loose sockets and fittings Pipes of 63mm diameter and greater shall have sockets and spigots with push-in type integral rubber ring joints. Bends shall be uPVC and all other fittings shall be cast iron, all with similar push-in type joints.

High density polyethylene (HDPe) pipes and fittings:

Pipes shall be type IV and of the class specified with Plasson or Alprene compression fittings.

Polycop polypropylene pipes:

Polypropylene pipes 54mm diameter and smaller shall be seamless copper coloured Class 16 pipes jointed with Fast-fuse heat welded thermoplastic or where so described Polylock compression fittings Pipes shall be firmly fixed to walls, etc. with coloured nylon snap-in pipe clips with provision for accommodating thermal movement and jointed and fixed strictly in accordance with the manufacturer's instructions.

Brought Forward R

Copper pipes:

Pipes shall be hard drawn and half-hard Maksal pipes of the class described. Class 0 (thin walled hard drawn) pipes shall not be bent. Class 1 (thin walled half-hard), Class 2 (half-hard) and Class 3 (heavy walled half-hard) pipes shall only be bent with benders with inner and outer formers. Fittings to copper waste, vent and anti-syphon pipes, capillary solder fittings and compression fittings shall be Cobra Watertech type. Capillary solder fittings shall comply with ISO 2016.

Copper pipes are to be installed in accordance with the latest revision of the Code of Practice for Copper Plumbing soldering techniques. Flux, solder, etc. to be strictly in accordance with the manufacturer's requirements with special attention to copper flux composition.

Reducing fittings:

Where fittings have reducing ends or branches they are described as 'reducing' and only the largest end or branch size is given. Should the contractor wish to use other fittings and bushes or reducers he may do so on the understanding that no claim in this regard will be entertained.

Fixing of pipes:

Unless specifically otherwise stated, descriptions of pipes shall be deemed to include fixing to walls, etc., casting in, building in or suspending not exceeding 1m below suspension level.

Paper wrapping to pipes:

Pipes chased into brickwork must be wrapped with two layers of stout brown paper tied with wire. Rates are to include for wrapping around joints and fittings.

Disinfection of water pipework:

Water pipework is to be disinfected at completion in accordance with SABS 1200L (provision for disinfection elsewhere).

Laying, backfilling, bedding, etc. of pipes:

Pipes shall be laid and bedded in accordance with manufacturers' instructions and trenches shall be carefully backfilled.

Carried Forward R

Where no manufacturers' instructions exist, pipes shall be laid in accordance with Clauses 5.1 and 5.2 of each of the following: SABS 1200L : Medium-pressure pipelines SABS 1200LD : Sewers SABS 1200LE : Stormwater drainage Pipe trenches, etc. shall be backfilled in accordance with Clauses 3, 5.5, 5.6, 5.7 and 7 of SABS 1200DB : Earthworks (Pipe trenches) Pipes shall be bedded in accordance with Clauses 3.1 to 3.4.1, 5.1 to 5.3 and 7 of SABS 1200LB : Bedding (Pipes) Unless otherwise described bedding of rigid pipes shall be Class B bedding.

General:

Descriptions of cast iron roof outlets shall be deemed to include joints to pipes and casting into concrete (adaptors for joints to PVC pipes, etc. are given separately) Descriptions of overflow pipes where measured in number, shall be deemed to include joints to cisterns and splay cut ends.

Descriptions of pipes laid in and including trenches and of inspection chambers, catchpits, etc. shall be deemed to include excavation, bedding, backfilling, compaction to a minimum of 93% Mod AASHTO density and disposal of surplus material on site.

Descriptions of service pipes and flexible connecting pipes shall be deemed to include connections to taps, cisterns, etc. and to steel pipes (adaptors for connections to copper pipes, etc. are given separately).

Descriptions of WC pans, slop hoppers, etc. shall be deemed to include for joints to soil pipes (pan connectors are separately measured).

As-built drawings:

Where required, the contractor shall prepare an updated set of as-built drawings. At completion of the contract the contractor shall hand these drawings to the principal agent for reproducing onto the originals for handing over to the employer (provision for allowance of as-built drawings elsewhere).

	Brought Forward			R	
	RAINWATER DISPOSAL				
	Ogee profile pre-coated aluminium seamless gutter fixed to fibre cement fascia with fixings, brackets, etc. in colour Armour Grey including matching rivet-fixed mitres and end caps internally sealed using Silicon Mastic:				
1	150 x 100 x 0,6mm eave gutter fixed to falls in continuous lengths at not exceeding 600mm centres with and including approved gutter brackets.	m	39		
2	Extra over eaves gutter for stopped end.	No	4		
3	Extra over eaves gutter for outlet.	No	2		
	Precoated aluminum rectangular fluted downpipes, to match gutter fixed to walls with pre-painted downpipe cleats using nail-in anchor fixings.				
4	100 x 75 x 0,6mm Rainwater down pipes.	m	6		
5	Extra over rainwater down pipe for bend.	No	2		
6	Extra over rainwater pipe for shoe.	No	2		
	SANITARY FITTINGS				
	Supply and fix the following sanitary fittings, geysers and equipment together with loose ancillary fittings supplied therewith, including unloading, storing, unpacking, hoisting or lowering as required, fixing and building into position, cutting all mortices and chases as required for fixing and building in position, cutting, brackets, clamps, etc., and connecting up pipework and handing over in perfect working order at completion:				
	Manufactured by "Cobra" or Equally Approved:				
7	Cobra close-coupled WC suite	No	5		
8	Hibiscus wash-hand basin	No	4		
9	Shower basins	No	5		
	Carried Forward			R	

	Brought Forward			R	
	TAPS, VALVES, ETC.				
	Manufactured by "Cobra" or Equally Approved:				
10	CS-294CP or similar approved one hole basin mixer with cast fixed outlet.	No	4		
11	15mm "COB-832/350F" chrome plated angle regulating valve including 350mm braided flexible pipe.	No	9		
12	Cobra Nitro or equally approved chrome-plated single-function shower head with ball-joint connector, anti-lime spray nipples and classic jet spray pattern, flow restricted to 9 litres/minute, complete with ½" BSP female iron connection end, including all necessary fittings and connections, installed in accordance with manufacturer's specifications.	No	5		
13	Cobra Stella or equally approved chrome-plated concealed under-wall stop tap, complete with hot and cold indices, flange and 15mm copper-to-copper compression connection ends, including all necessary fittings and connections, installed in accordance with manufacturer's specifications.	No	5		
	WASTE UNIONS,ETC.				
	Manufactured by "Cobra" or Equally Approved:				
14	40mm "Code: 323CPchrome plated Watertech	No	9		
	TRAPS, ETC.				
	Manufactured by "Cobra" or Equally Approved:				
15	32mm "COB-345/50" chrome plated bottle trap.	No	4		
	BATHROOM FITTINGS				
	Franke or Equally Approved				
16	RODX674B or similar approved four-roll toilet roll holder, complete with all necessary brackets, screws and fixing accessories, securely fixed to walls in accordance with manufacturer's specifications.	No	5		
	Carried Forward			R	

	Brought Forward			R	
17	Stainless steel sensor-operated paper roll dispenser, size 400 × 290 × 230mm deep, suitable for 200mm wide paper rolls, complete with security lock, plugged and screwed to walls with stainless steel screws, including all necessary fixing accessories.	No	1		
18	0.8mm thick satin-finished stainless steel waste bin, size 355 × 168 × 460mm high, with 23-litre capacity, complete with cylinder lock and standard Franke key, plugged and screwed to walls with stainless steel screws, including all necessary fixing accessories.	No	1		
19	Polished stainless steel single-arm soap rack, size 110 × 114mm deep, plugged and screwed to walls with stainless steel screws, including all necessary fixing accessories, complete.	No	5		
	Soap Dispenser				
20	Nampak (Code 0475) or similar approved stainless steel liquid soap dispenser, size 120 × 210 × 112mm, complete with dispensing mechanism, securely plugged and screwed to walls with stainless steel screws, including all necessary fixing accessories.	No	2		
	Sanitary Bin				
21	Heavy-duty 20-litre stainless steel pedal-operated sanitary bin, size 490 × 420 × 170mm, manufactured from 0.7mm thick Grade 430 stainless steel with mirror-finished interior and exterior, complete with removable plastic inner bucket, foot-operated lid mechanism and all necessary components.	No	5		
	SANITARY PLUMBING				
	uPVC Pipes:				
22	40mm Pipes.	m	45		
23	110mm Pipes.	m	25		
	Extra over uPVC pipes for fittings or Equally Approved:				
24	40mm Bend.	No	15		
25	110mm fittings.	No	3		
26	110mm Pan Connector.	No	5		
	Carried Forward			R	

	Brought Forward			R	
	WATER SUPPLIES				
	Copper pipes (Class II) with brass compression fittings:				
27	15mm Pipes.	m	70		
	Extra over copper pipes (Class II) for compression brass fittings:				
28	15mm Fittings.	No	15		
	TESTING				
	Testing:				
29	Provide all necessary apparatus, water, etc., for and test the whole of the Water Supply to the satisfaction of the Architect and Local Authority and replace any defective work free of charge and leave perfect.		Item		
	Carried Forward to Summary of Section No. 2			R	

Section No. 2
Bill No. 11
PLUMBING AND DRAINAGE

Item No			Quantity	Rate	Amount
	BILL NO. 12				
	GLAZING				
	The Tenderer is referred to the relevant Clauses in the separate Supplementary Preambles hereunder and Department of Public Works PW371 document.				
	TOPS, SHELVES, DOORS, MIRRORS, ETC.				
	6mm 'GG' quality polished silvered float glass copper backed mirrors with polished edges holed for and fixed with round rose chromium plated mirrror screws with rubber buffers to plugs in brickwork or concrete:				
1	Ditto, for 600 x 900 mm dormitory mirror	No	3		
2	Mirror 600mm x 1200mm high with four screws.	No	4		
	SHOWER CUBICLE PANELS AND DOORS				
	Aluminium shower doors with frames, pivot hinges, cleats, stops, etc. and ?mm toughened clear safety glass, plugged to tiled walls and sealed with silicone sealant				
3	Aqua D'Or Alpine pivot shower door, chrome finish, size 880 × 880 × 1850mm high, or similar approved, complete with glazed panels, pivot hinges, handles, aluminium framing, seals, fixing brackets, waterproof silicone sealant and all necessary accessories, installed in accordance with manufacturer's recommendation	No	5		
	Carried Forward to Summary of Section No. 2			R	
	Section No. 2 Bill No. 12 GLAZING				

Item No		Quantity	Rate	Amount

BILL NO. 13

PAINTWORK

PREAMBLES

The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2008 Edition), the Department of Public Works document No. PW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated hereunder.

SUPPLEMENTARY PREAMBLES

PREPARATORY WORK TO EXISTING WORK

Previously painted plastered surfaces

Surfaces shall be thoroughly washed down and allowed to dry completely before any paint is applied. Blistered or peeling paint shall be completely removed and cracks shall be opened, filled with a suitable filler and finished smooth.

Previously painted metal surfaces

Surfaces shall be thoroughly rubbed and cleaned down. Blistered or peeling paint shall be completely removed down to bare metal.

Previously painted wood surfaces

Surfaces shall be thoroughly cleaned down. Blistered or peeling paint shall be completely removed and cracks and crevices shall be primed, filled with suitable filler and finished smooth.

Painting specification:

All painting shall be done in accordance with SABS specifications unless otherwise described.

Colours:

Unless otherwise described, all paintwork shall be deemed to have a colour value in excess of 7 on the Munsell system in accordance with SABS 1091.

Carried Forward R

	Brought Forward			R	
	When staining timber, the resultant colour or shade must be to the complete satisfaction of the Principal Agent before any overcoating or preservative is applied.				
	ON INTERNAL FLOATED PLASTER SURFACES				
	Prepare surfaces and remove all loose material, apply Plascon Double Velvet to plaster. Prime with 1ct. Professional Plaster Primer and finish with 2xcts. Double Velvet with 2 hours drying time between coats.				
1	Walls.	m2	604		
2	In narrow widths.	m2	15		
	ON EXERNAL FLOATED PLASTER SURFACES				
	Prepare surfaces and remove all loose material, apply Plascon Double Velvet to plaster. Prime with 1ct. Professional Plaster Primer and finish with 2xcts. Double Velvet with 2 hours drying time between coats.:				
3	External walls.	m2	52		
4	In narrow widths.	m2	10		
	ON METAL				
	Prepare, clean galvanised surfaces and apply one coat synthetic metal primer, one universal undercoat and two finishing coats of high gloss enamel paint on:				
5	Steel columns, purlins, plates, etc.	m2	285		
	ON NUTEC BOARD SURFACES				
	One coat alkali resistant primer and two coats superior quality acrylic emulsion paint for interior and exterior use:				
6	Fibre cement ceiling.	m2	35		
7	Fascias and barge boards, including priming metal jointing strips.	m2	13		
	Carried Forward			R	

	Brought Forward			R	
	ON WOOD SURFACES				
	Two coats oil wood primer:				
8	Backs of frames, linings, etc not exceeding 300mm wide	m	6		
	Sand down, prepare surface and apply varnish all to Architect specification:				
9	Skirtings, rails, etc not exceeding 300mm girth	m	66		
10	On quadrants, beads, etc.	m	148		
	One coat wood pink primer, one coat universal coat and two coats gloss enamel paint on:				
11	Doors.	m2	44		
12	Door frames.	m2	13		
	Carried Forward to Summary of Section No. 2			R	

Section No. 2
Bill No. 13
PAINTWORK

SECTION SUMMARY - REFURBISHMENT

Bill No		Page No	Amount
1	ALTERATIONS	49	
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Carried to Final Summary R

Section No. 2

Item No			Quantity	Rate	Amount
	BILL NO. 1				
	RAINWATER TANKS				
	PREAMBLES				
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2008 Edition), the Department of Public Works document No. PW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated hereunder.				
	Reference to drawings and details:				
	Where drawings and/ or details have been referred to in the description of items the Tenderers should price for complete detail and specification on such details and/ or drawing. No claims relating to the omissions on the part of tenders will be entertained.				
	SUPPLEMENTARY PREAMBLES				
	Supplementary Preambles from relevant trades/Bills in this tender document are applicable to items in this section				
	Extra over all excavations for loading, carting, and dumping surplus excavated material (no allowance made for increase in bulk) :				
	Rainwater tanks:				
1	5000 Litre uPVC JOJO or Equally Approved water tank, with screw lid and setting in position on concrete tankstand (elsewhere measured) and tying down with 8mm diameter galvanised round strand steel rope fastened and secured to side of tank stand with one end fixed to galvanized hook and eye bolt embedded into concrete. (Note: tanks to be filled with water before Practical Completion).	No	2		
2	Hole through top of tank lid for 100mm diameter pipe.	No	2		
3	Supply and fit complete to manufacturer's instructions leaf eater rain heads to downpipes to prevent blocking	No	2		
	Carried Forward			R	

	Brought Forward			R	
	Galvanised steel wire rope, ties, etc:				
4	8mm Galvanised round strand steel rope tied to tank and fastened to bolts in concrete.	m	48		
5	10 x 100mm Hook eye bolts including setting into tank with sika or equally approved grout.	No	8		
	Carried to Final Summary			R	

Section No. 3
Bill No. 1
RAINWATER TANKS

Item No			Quantity	Rate	Amount
	BILL NO. 1				
	DISTRIBUTION BOARDS, ELECTRICAL CABLING, ETC.				
	DISTRIBUTION BOARDS				
	The supply and installation of the following surface or flush mounted distribution boards in line with SABS standards				
1	DB-GH - 150A TP MAIN DB (GIRLS HOSTEL)			SUM	
2	DB-GH1 - 63A TP GIRLS HOSTEL EAST WING - FED FROM DB-GH			SUM	
3	DB-GH1 - 63A TP GIRLS HOSTEL EAST WING - FED FROM DB-GH			SUM	
	Cable Terminations: **Note: Rates Include Armour Glands, Shrouds, Lugs and Connections and Include** **Drilling of Holes to dB's and Wire Ways:**				
4	95 mm x 4-core PVC-SWA cable.	No	2		
5	16 mm x 4-core PVC-SWA cable.	No	4		
6	10 mm x 4-core PVC-SWA cable.	No	2		
7	25 mm x 3-core PVC-SWA cable.	No	2		
	Carried Forward			R	

				R
	Brought Forward			
	TRENCHING AND BACKFILLING			
	Trenching			
8	Trenching to lay cable in sleeve. The trench should be 600mm deep and 800mm wide.	m3	300	
9	Excavation on Soft rock	m3	185	
10	Excavation on Hard rock	m3	135	
	Backfilling			
11	Backfilling and compacting as initially found. Including disposal of unsuitable/surplus material.	m	300	
	Sleeves			
12	Kabelflex 110mm Black flexible PVC sleeve installed in trenches, including draw wire, slow bends and elbows. Excluding trenching	m	300	
13	Kabelflex 50mm Black flexible PVC sleeve installed in trenches, including draw wire, slow bends and elbows. Excluding trenching	m	300	
	Seal Cable Sleeves			
14	Seal off cable sleeves ends after the installation of cables with a non hardening product like Polyurethane. Supply	No	2	
15	Supply and install yellow electrical cable dange tape at 400mm below finished ground level in the trenches above.	m	300	
	LIGHT FITTINGS			
	Rates for supplying lighting fittings, type of lamps and wattage are described.			
16	Supply and install a 4400lm LED, Cool white, Linear Light fitting with diffuser. Brand: Enlite Code: EN-SFS1240/40 OR Equal and approved. TYPE B	No	89	
17	Supply and Install as above but with 20% maintained battery pack (Cool white). A separate non-switched live feed from out-going side of MCB to emergency fitting is to be Installed. 24hr. Supplier: Aurora Lighting. Brand: Enlite Code:EN-SFS1240/40EM TYPE BE	No	18	
	Carried Forward			R

				R	
	Brought Forward				
18	Supply and install 15W Cool white polycarbonated round drum LED wall mounted bulkhead. Brand: Enlite Code: EN-BH15/40 TYPE BH1 OR equally approved.	No	21		
19	Supply and install 20W Cool white polycarbonated round drum LED wall mounted bulkhead IP65. Brand: Enlite Code: EN-BH120/40 TYPE BH2 OR equally approved.	No	14		
20	Supply and install 15W Cool white polycarbonated round drum LED surface mounted bulkhead with 20% maintained battery pack (Cool white). A separate non-switched live feed from out-going side of MCB to emergency fitting is to be Installed. 24hr. Brand: Enlite Code: EN-BH15/40 TYPE BH3 OR equally approved.	No	8		
	Appliances				
	Switched Sockets				
	Note: Crabtree Diamond Range, or Equal and Approved 16A 3-pin Single Phase Standard Switched Socket Outlet, including Installation and Connection of the Socket and Switch Assembly and Cover Plate, including Box.				
21	Duo flush mounted.	No	6		
22	Single Flush mounted in 100 x 100 box - Normal Earth Pin.	No	53		
	Crabtree, or Eal and Approved 16A 3-Pin Flat Earth Pin Type Single Phase Switched Socket Outlet, Including Installation and Connection of the Socket and Switch Assembly and Cover Plate, including Box				
23	Single flush Mounted WHITE - Flush mounted in power skirting including mounting plate.	No	13		
	Plug Points Isolators and Switches				
24	Supply and Install New One (1) Lever One (1) Way light switch suitable for 100 x 100 PVC Box complete with cover plates.	No	31		
25	Supply and Install New day night switch for external lighting	No	2		
26	Supply and Install Data Point Cradle and Cover plate suitable for 100 x 100 mm PVC box. Flush Mounted	No	20		
	Carried Forward			R	

	Brought Forward			R	
27	Supply and Install tripple pole isolator 20A Isolator with weatherproof protection.	No	3		
28	Supply and Install tripple pole isolator 30A Isolator with weatherproof protection.	No	2		
	Wireways				
	Cab Strut P803, 3-Compartment Power Skirting Hospital Grey Finish, Surface mounted on Perimeter Wall/partition, Including all Accessories, Front Covers, Chassis Punched Holes and Installation to Complete				
29	Power skirting, Surface Mounted (per metre)	m	14		
30	Power skirting, End caps.	No	2		
31	Power skirting, 90 degree complete bend-piece	No	6		
	Galvanised Steel Wiring Trunking Complete with all Accessories, Metal Cover plates, and as Indicated on Drawings, Suspended from Slab or Steel Structure, excluding Conduit Work and Wiring. Supports to Include all Galvanised Hanger brackets, 10 mm Threaded Rod & Rawlbolts/Clamps etc. Spacing Shall be in Accordance with SANS 10142:1 2003, as Amended.				
32	Galvanised Wire Trunking, P9000 (126 x 76 mm).	m	266		
33	Galvanised Wire Trunking, P9000 Splayed Distribution Board entry.	No	6		
	Bends:				
34	Galvanised Bends, P9000 (126 x 76 mm).	No	12		
	T-Pieces:				
35	Galvanised T-Piece, P9000 (126 x 76 mm).	No	14		
	4Way Cross Over-Pieces:				
36	Galvanised 4Way, P9000 (126 x 76 mm).	No	3		
	End Caps:				
37	Galvanised End Caps, P9000 (126 x 76 mm).	No	8		
	Carried Forward			R	

	Brought Forward			R	
	Cables:				
	Note: Rates Include for Supply, Delivery and Complete Installation of the following Copper Cables laid in Trenches, Installed in Sleeves, Fixed on surface and Laid on trays.				
38	95 mm x 4-core PVC-SWA cable.	m	200		
39	25 mm x 4-core PVC-SWA cable.	m	100		
40	Supply and install 6 mm PVC insulated copper wire	m	60		
41	Supply and install 4 mm PVC insulated copper wire	m	30		
42	Supply and Install 2.5 mm PVC insulated copper wire.	m	2,050		
	Insulated Earth Wire, Drawn into Conduit, Wiring Channel or Power Skirting:				
43	2.5 mm Insulated Earth Wire.	m	1,025		
44	4 mm Insulated Earth Wire.	m	30		
45	16 mm Bare Copper Earth Wire.	m	100		
46	50 mm Bare Copper Earth Wire.	m	200		
	PVC Conduit Chased in Brickwork, Including Chasing. (Making Good by Others)				
47	20 mm PVC Conduit including Chased in Bricks.	m	246		
48	25 mm PVC Conduit including Chased in Bricks.	m	120		
	PVC Conduit Chased in Concrete, Including Chasing. (Making Good by Others)				
49	Commisioning and testing of the complete electrical installation according to the design criteria as shown on the drawings.			SUM	
50	Lable all DBs, Isolators, plugs and telephone points, network points.			SUM	
51	Submission of the COC upon completion of the project plus O and M manuals			SUM	
	Carried Forward			R	

	Brought Forward		R
	Provision of As Built Drawings		
52	Allow Five Thousand Rands (R5 000,00) for the production of As Built Drawing by contractor by hand with all dimensions and measurements.		SUM
	Carried to Final Summary		R

Section No. 4
Bill No. 1
DISTRIBUTION BOARDS, ELECTRICAL CABLING, ETC.

Item No		Quantity	Rate	Amount

BILL NO. 1

FIRE EQUIPMENT, SIGNAGE, ETC.

SUPPLEMENTARY PREAMBLES

The General Preambles for Trades 2017 as published by
the Association of South African Quantity Surveyors shall be deemed to be incorporated in these bills of quantities and no claims arising from brevity of description of items fully described in the said Model Preambles will be entertained. The bill of quantities must be read in conjunction with the rest of the contract documents and drawings. A price must be submitted for every item. Items for which no prices are given will be regarded as being covered by other items in the Bills. The quantities measured in the Bill of Quantities for work and material must not be viewed as a limitation of the amount of work to be done and material provided by the contractor in the complete execution of the work. The general descriptions and data of the work given in the drawings, report or schedules are not fully repeated in the Bill of Quantities and reference to the other documents for complete information is therefore important and necessary. No variations or omissions may be done to the Bill of Quantities by the tenderer, any such variations or omissions will not be recognized and the text of the Bill of Quantities will be strictly adhered to. Material must be ordered as determined on site and not from the drawings or Bill of Quantities. The Employer will not accept any responsibility for surplus or inadequately ordered material. Payments will only be made for the actual re-measured quantities as installed. All fittings and accessories shall always include the connections thereto.

Unless otherwise stated in the Bill of Quantities, all prices shall allow for the following items: Supply, deliver to site, and store new unused and undamaged and of the best quality available and complete with small materials necessary for the installation, testing, commissioning and rendering in proper working order.

Note: Contractor to ensure that they provide a commissioning certificate for the fire extinguishers in line with the statutory requirements and service labels

EQUIPMENT

Carried Forward R

	Brought Forward			R	
	FIRE INSTALLATIONS				
	Fire Systems				
1	Supply, delivery, installation of 4.5kg DCP (ABC) fire extinguishers complete with back board and hanging bracket (J bracket not allowed) including enclosure for externally mounted fire extinguishers.	No	2		
	Supply, delivery and installation in accordance with SANS 1186 & SANS 10400. The following signage reference codes are applicable in reference to the fire signage drawings				
2	190mm x 190mm Photoluminescent Pictograms	No	10		
	Carried to Final Summary			R	

Section No. 5
Bill No. 1
FIRE EQUIPMENT, SIGNAGE, ETC.

Item No		Quantity	Rate	Amount

SECTION NO. 6

BILL NO. 1

PROVISIONAL SUMS

SUPPLEMENTARY PREAMBLES

General:

Unless otherwise described, all prime cost amounts and provisional sums shall be nett. No provision for 5 percent cash discount shall be included for the main
Prime cost amounts and provisional sums exclude value added tax.
In the event of a prime cost amount or provisional sum being omitted the items "Allow for profit"... and "allow for attendance" applicable, shall be omitted together with the prime cost amount or provisional sum and no claim whatsoever will be entertained in this regard.
The principal agent shall be entitled to nominate or select any further specialist and other to execute work or supply and fix any goods whether or not a provisional sum is included in the bills of quantities and such specialists and other will then be deemed to be "selected subcontractors" as the case may be.
Where profit stated, the contractor may allow for profit if required

Attendance upon nominated/selected subcontractors:

The item "Allow for attendance...." which follows each provisional sum for nominated/selected subcontractors work, shall be deemed to cover all the contractors costs incurred in providing free of charge to the subcontractor the service as set out in the relevant clause in the preliminaries

Taking delivery:

Taking delivery of goods or articles by the contractor on site shall mean getting in, unpacking, checking that the quantity is correct and that the goods are complete and undamaged, submitting a report thereof to the interested parties and issuing vouchers for the receipt of such goods.The contractor is to store the goods and will be held responsible for the safety thereof and indemnify the employer against any damage or loss which may occur.

Carried Forward R

Brought Forward R

Works executed under a seperate/direct contract:

The contractor shall permit access to the site and to the places where the work is to be carried out and provide every facility to enable the specialist to carry out his work in a workmanlike manner and in propper order and sequence.

Co-ordination:

The contractor shall obtain all necessary particulars of the subcontractors work timeously and the contractor will be responsible for the programming and coordination
of the works.

Number of nominated/selected subcontractors:

The contractors attention is drawn to the fact that the indicated individual provisional sums may consist of numerous specialist, all of which will become nominated/selected subcontractors.The contractor must therefore allow in his tender for any cost implication this may bring about, as no claims in this regard will be entertained.

The contractor shall obtain all necessary particulars of the subcontractors work timeously and the contractor will be responsible for the programming and coordination
of the works

Carried Forward R

	Brought Forward			R
	PROVISIONAL SUMS FOR NOMINATED/SELECTED SUB-CONTRACTORS			
	Community Liaison Officer			
1	Provide the sum of R50,000.00 (Fifty Thousand) for Community Liaison Officer, with a stipend of R 10 000.00 per month to be used at the discretion of the Employer and deducted in whole or in part if not required.	Item		
2	Profit.	Item		
3	Attendance.	Item		
	Earthing and Lighting Protection			
4	Provide the sum of R85,000.00 (Eighty Five Thousand) for Earthing and Lighting Protection for the existing and new blocks to be used at the discretion of the Employer and deducted in whole or in part if not required.	Item		
5	Profit.	Item		
6	Attendance.	Item		
	Public Address System			
7	Provide the sum of R25,000.00 (Twenty Five Thousand) for a one way Public Address System for the schools communication system to be used at the discretion of the Employer and deducted in whole or in part if not required.	Item		
8	Profit.	Item		
9	Attendance.	Item		
	CCTV and Security System			
10	Provide the sum of R25,000.00 (Twenty Five Thousand) for CCTV and Security system at the new Girls Hostel to be used at the discretion of the Employer and deducted in whole or in part if not required.	Item		
11	Profit.	Item		
12	Attendance.	Item		
	Carried to Final Summary			R

Section No. 6
Bill No. 1
PROVISIONAL SUMS

FINAL SUMMARY

Section No		Page No		Amount
1	PRELIMINARIES	44		
2	REFURBISHMENT	85		
3	EXTERNAL WORKS	87		
4	ELECTRICAL WORK	93		
5	MECHANICAL WORK	95		
6	PROVISIONAL SUMS	98		
	TOTAL FOR BUILDING WORKS		R	
	CONTINGENCIES			
	Provide the Sum of R300,000.00 (Three Hundred Thousand) for contingencies, to be adjusted, used and paid as instructed and approved by the Employer		R	300,000.00
	Sub Total		R	
	VAT at the rate of 15%		R	
	Carried to Form of Tender		R	