

PAGE NO	SEC NO	BILL NO	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE
1	1	1	1	SECTION NO. 1			
	1	1	1	BILL NO. 1			
	1	1	1	PRELIMINARIES			
	1	1	1	BUILDING AGREEMENT AND PRELIMINARIES			
	1	1	1	All prices/rates to be net, excluding Value Added Tax			
	1	1	1	General			
	1	1	1	i) The agreement is to be the JBCC Series 2000 Principal Building Agreement (Edition 4.1) prepared by the Joint Building Contracts Committee, March 2005- has V6.2			
	1	1	1	ii) The preliminaries are to be the JBCC Series 2000 Preliminaries prepared by the Joint Building Contracts Committee, March 2005 edition and shall be deemed to be incorporated herein			
	1	1	1	v) Tenderers are referred to the abovementioned documents for the full intent and meaning of each clause thereof (hereinafter referred to by heading and clause number only) for which such allowance must be made as may be considered necessary			
	1	1	1	iii) Where standard clauses or alternatives are not entirely applicable to this contract such modifications, corrections or supplements as will apply are given under each relevant clause heading			
	1	1	1	v) Where any item is not relevant to this specific contract such item is marked N/A (signifying "not applicable")			
	1	1	1	v) Where any item is not relevant to this specific contract such item is marked N/A (signifying "not applicable")			
	1	1	1	vi) If Alternative A as set out in clause B10.3 hereinafter is to be used for the adjustment of the preliminaries each item priced is to be allocated to one or more of the three categories, where "F" denotes a fixed amount (amount not to be varied), "V" denotes an amount variable in proportion to value and "T" denotes an amount in proportion to time			
	1	1	1	vii) 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"			
	1	1	1	A1 DEFINITIONS AND INTERPRETATION			
	1	1	1	Clause 1.0 Clause 1.1 Definition of "Commencement Date" is added:			
	1	1	1	"Commencement date" means the date that the agreement, made in terms of the Form of Offer and Acceptance, comes into effect			
	1	1	1	Clause 1.1 Definition of "Construction Guarantee" is amended by replacing it with the following:			
	1	1	1	"Construction guarantee" means 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			
	1	1	1	Clause 1.1 Definition of "Construction Period" is amended by replacing it with the following:			
	1	1	1	"Construction period" means the period commencing on the commencement date and ending on the date of practical completion			
	1	1	1	Clause 1.1 Definition of "Corrupt Practice" is added:			
	1	1	1	"Corrupt Practice" means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution			
	1	1	1	Clause 1.1 Definition of "Fraudulent Practice" is added:			
	2	1	1	"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			
	2	1	1	Clause 1.1 Definition of "Interest" is amended by replacing it with the following:			
	2	1	1	"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 Finance, from time to time, in terms of section 80(1)(b) of the Public Finance Management Act, 1999 (Act No. 1 of 1999).			
	2	1	1	Clause 1.1 Definition of "Principal Agent" is amended by replacing it with the following:			
	2	1	1	"Principal Agent" means the person or entity appointed by the employer and named in the schedule. In the event of a principal agent not being appointed, then all the duties and obligations of a principal agent as detailed in the agreement shall be fulfilled by a representative of the employer as named in the schedule.			
	2	1	1	Clause 1.1 Definition of "Security" is amended by replacing it with the following:			
	2	1	1	"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			
	2	1	1	Clause 1.6 is amended by replacing the words "prepaid registered post, telefax or e-mail" with "prepaid registered post or telefax"			
	2	1	1	Clause 1.6.4 is amended by replacing it with the following:			
	2	1	1	No clause			
	2	1	1	1 Fixed:_____ Value related:_____ Time related:_____	Item	1	
	2	1	1	OBJECTIVE AND PREPARATION			
	2	1	1	A2 OFFER, ACCEPTANCE AND PERFORMANCE			
	2	1	1	Clause 2.0			
	2	1	1	2 Fixed:_____ Value related:_____ Time related:_____	Item	1	
	2	1	1	A3 DOCUMENTS			
	2	1	1	Clause 3.0			
	2	1	1	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"			
	2	1	1	3 Fixed:_____ Value related:_____ Time related:_____	Item	1	
	2	1	1	A4 DESIGN RESPONSIBILITY			
	2	1	1	Clause 4.0			
	2	1	1	Clause 4.3 is amended by replacing it with the following: No clause			
	2	1	1	4 Fixed:_____ Value related:_____ Time related:_____	Item	1	
	2	1	1	A5 EMPLOYERS AGENTS			
	2	1	1	Clause 5.0			
	2	1	1	Clause 5.1.2 is amended to include clauses 32.6.3, 34.3, 34.4 and 38.5.8			
	2	1	1	5 Fixed:_____ Value related:_____ Time related:_____	Item	1	
	2	1	1	A6 SITE REPRESENTATIVE			
	2	1	1	Clause 6.0			
	2	1	1	6 Fixed:_____ Value related:_____ Time related:_____	Item	1	
	3	1	1	A7 COMPLIANCE WITH REGULATIONS			
	3	1	1	Clause 7.0			
	3	1	1	7 Fixed:_____ Value related:_____ Time related:_____	Item	1	
	3	1	1	A8 WORKS RISK			
	3	1	1	Clause 8.0			
	3	1	1	8 Fixed:_____ Value related:_____ Time related:_____	Item	1	
	3	1	1	A9 INDEMNITIES			
	3	1	1	Clause 9.0			
	3	1	1	9 Fixed:_____ Value related:_____ Time related:_____	Item	1	
	3	1	1	A10 WORKS INSURANCES			
	3	1	1	Clause 10.0			
	3	1	1	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			
	3	1	1	General insurances (clause 10			
	3	1	1	10.5 Damage to the Works			
	3	1	1	Clause 10.0 is amended by the addition of the following clauses (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.			

3	1	1	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			
3	1	1	(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			
1	1	1	(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			
1	1	1	10.6 Injury to Persons or loss of or damage to Properties			
3	1	1	(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			
3	1	1	(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			
3	1	1	(c) 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			
4	1	1	(d) 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			
4	1	1	(e) 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			
4	1	1	10.7 High risk insurance			
4	1	1	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:			
4	1	1	10.7.1 Damage to the works			
4	1	1	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.			
4	1	1	10.7.2 Injury to persons or loss of or damage to property			
4	1	1	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.			
4	1	1	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.			
4	1	1	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.			
4	1	1	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.			
4	1	1	10 Fixed: _____ Value related: _____ Time related: _____	Item	1	
4	1	1	A11 LIABILITY INSURANCES			
4	1	1	Clause 11.0			
4	1	1	11 Fixed: _____ Value related: _____ Time related: _____	Item	1	
4	1	1	A12 EFFECTING INSURANCES			
4	1	1	Clause 12.0			
4	1	1	12 Fixed: _____ Value related: _____ Time related: _____	Item	1	
4	1	1	A13. No clause			
4	1	1	13 Fixed: _____ Value related: _____ Time related: _____	Item	1	
5	1	1	A14 SECURITY			
5	1	1	Clause 14.0			
5	1	1	Clauses 14.1 - 14.8 are amended by replacing them with the following:			
5	1	1	14.1.1 The payment reduction of the value certified in a payment certificate shall be mutatis mutandi in terms of 31.8(A)			
5	1	1	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			
5	1	1	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 or 14.6, 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.			
5	1	1	14.3 Where security as a cash deposit of ten per cent (10%) of the contract sum (excluding VAT) has been selected:			
5	1	1	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			
5	1	1	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			
5	1	1	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			
5	1	1	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			
5	1	1	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			
5	1	1	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			
5	1	1	14.4 Where security as a variable construction guarantee of ten percent (10%) of the contract sum (excluding VAT) has been selected:			
5	1	1	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			
5	1	1	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			
5	1	1	14.4.3 The employer shall return the variable construction guarantee to the contractor within fourteen (14) calendar days of it expiring			
5	1	1	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			
5	1	1	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:			
5	1	1	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)			
6	1	1	14.5.2 The fixed construction guarantee shall come into force on the date of issue and shall expire on the date of the last certificate of practical completion			
6	1	1	14.5.3 The employer shall return the fixed construction guarantee to the contractor within fourteen (14) calendar days of it expiring			
6	1	1	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			
6	1	1	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:			
6	1	1	114.6.1 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			
6	1	1	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			
6	1	1	14.6.3 The payment reduction of the value certified in a payment certificate shall be mutatis mutandi in terms of 31.8(A)			
6	1	1	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			
6	1	1	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			
6	1	1	14 Fixed: _____ Value related: _____ Time related: _____	Item	1	
6	1	1	EXECUTION			
6	1	1	A15 PREPERATION FOR AND EXECUTION OF THE WORKS			
6	1	1	Clause 15.0			

6	1	1	Clause 15.1.1 is amended by replacing it with: No clause			
6	1	1	Clause 15.1 is amended by the addition of the following clause: 15.1.4 An acceptable health and safety plan, required terms of the Occupational Health and Safety Act, 1993 (Act 85 of 1993), within twenty-one (21) calendar daysof commencement date			
6	1	1	Clause 15.2.1 is amended by replacing it with the following clause:			
6	1	1	Give the contractor possession of the site within ten (10) working days of the contractor complying with the terms of 15.1.4			
6	1	1	Fixed:_____ Value related:_____ Time related:_____	Item	1	
6	1	1	A16 ACCESS TO THE WORKS			
6	1	1	Clause 16.0			
6	1	1	Fixed:_____ Value related:_____ Time related:_____	Item	1	
6	1	1	A17 CONTRACT INSTRUCTIONS			
6	1	1	Clause 17.0			
6	1	1	Fixed:_____ Value related:_____ Time related:_____	Item	1	
6	1	1	A18 SETTING OUT OF THE WORKS			
6	1	1	Clause 18.0			
6	1	1	The contractor shall notify the principal agent if any encroachments of adjoining foundations, buildings, structures, pavements, boundaries, etc. exist in order that the necessary arrangements may be made for the rectification of any such encroachments. The contractor shall perform tolerance control checks regularly throughout the contract period and report on this at regular interval to the Principal Agent in the approved format. Should the contractor fail to comply with this requirement to the satisfaction of the Principal Agent, progressively as the structure is being constructed, the Employer will commission a Registered Land Surveyor to do so on the Contractor's behalf and at the Contractor's Expense.			
7	1	1	Fixed:_____ Value related:_____ Time related:_____	Item	1	
7	1	1	A19 ASSIGNMENT			
7	1	1	Clause 19.0			
7	1	1	Fixed:_____ Value related:_____ Time related:_____	Item	1	
7	1	1	A20 NOMINATED SUB-CONTRACTORS			
7	1	1	Clause 20.0			
7	1	1	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			
7	1	1	Fixed:_____ Value related:_____ Time related:_____	Item	1	
7	1	1	A21 SELECTED SUBCONTRACTORS			
7	1	1	Clause 21.0			
7	1	1	Fixed:_____ Value related:_____ Time related:_____	Item	1	
7	1	1	A22 EMPLOYER'S DIRECT CONTRACTORS			
7	1	1	Clause 22.0			
7	1	1	The Contractor shall allow the direct contractors and employers agents access to the work, allocate reasonable space in the building for storage of their materials, tools and equipment, all to the satisfaction of the Principal Agent. The contractor shall also allow the direct contractors, etc. free of charge, use of their ablution facilities and water and power supply to the and shall in no way hinder or prevent the execution of their works. Attendance may be priced against the relevant specified items in the bills of quantities.			
7	1	1	Fixed:_____ Value related:_____ Time related:_____	Item	1	
7	1	1	A23 CONTRACTOR'S DOMESTIC SUBCONTRACTORS			
7	1	1	Clause 23.0			
7	1	1	Fixed:_____ Value related:_____ Time related:_____	Item	1	
7	1	1	COMPLETION			
7	1	1	A24 PRACTICAL COMPLETION			
7	1	1	Clause 24.0			
7	1	1	Fixed:_____ Value related:_____ Time related:_____	Item	1	
7	1	1	A25 WORK'S COMPLETION			
7	1	1	Clause 25.0			
7	1	1	Fixed:_____ Value related:_____ Time related:_____	Item	1	
7	1	1	A26 FINAL COMPLETION			
7	1	1	Clause 26.0			
7	1	1	Clause 26.1.2 is amended by inserting # next to 26.1.2			
7	1	1	Fixed:_____ Value related:_____ Time related:_____	Item	1	
7	1	1	A27 LATENT DEFECTS LIABILITY PERIOD			
7	1	1	Clause 27.0			
7	1	1	Fixed:_____ Value related:_____ Time related:_____	Item	1	
7	1	1	A28 SECTIONAL COMPLETION			
7	1	1	Clause 28.0			
7	1	1	Fixed:_____ Value related:_____ Time related:_____	Item	1	
7	1	1	A29 REVISION OF DATE FOR PRACTICAL COMPLETION			
7	1	1	Clause 29.0			
8	1	1	Clause 29.1.1 shall be deemed to be omitted and replaced by the following: Inclement weather shall be defined as weather in excess of the average rainfall (volume and period) for each calendar month over the past ten (10) years as recorded by the nearest commonly recognised weather bureau in the region of the project. It shall be deemed that the contractor has adequately allowed in his programme and tendered rates for expenses which might result from delays due to average or below rainfall as described above			
8	1	1	Fixed:_____ Value related:_____ Time related:_____	Item	1	
8	1	1	A30 PENALTY FOR NON-COMPLETION			
8	1	1	Clause 30.0			
8	1	1	Fixed:_____ Value related:_____ Time related:_____	Item	1	
8	1	1	PAYMENT			
8	1	1	A31 INTERIM PAYMENT TO THE CONTRACTOR			
8	1	1	Clause 31.0			
8	1	1	Interim payment to the contractor (clause 31)			
8	1	1	Clause 31.5.2 is amended by replacing "14.7.1" with "14.0"			
8	1	1	Clause 31.8 is amended by replacing it with the following two alternative clauses:			
8	1	1	Alternative A			
8	1	1	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:			
8	1	1	31.8(A).1 Ninety-five per cent (95%) of such value in interim payment certificates issued up to the date of practical completion			
8	1	1	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			
8	1	1	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			

8	1	1	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			
8	1	1	Alternative 8			
8	1	1	31.8(B) Where security is a payment reduction in terms of 14.7 has been selected, the value of the works in terms of 31.4.1 and materials and goods in terms of 31.4.2 shall be certified in full. The value certified shall be subject to the following percentage adjustments:			
8	1	1	31.8(B).1 Ninety per cent (90%) of such value in interim payment certificates issued up to the date of practical completion.			
8	1	1	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.			
8	1	1	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			
8	1	1	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.			
8	1	1	Clause 31.9 is amended by replacing "seven (7) calendar days" with "thirty (30) calendar days" and by deleting the words "subject to the contractor giving the employer a tax invoice for the amount due"			
8	1	1	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			
8	1	1	A32 ADJUSTMENT TO THE CONTRACT VALUE			
9	1	1	Clause 32.0			
9	1	1	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"			
9	1	1	31 Fixed:_____ Value related:_____ Time related:_____	Item	1	
9	1	1	A33 RECOVERY OF EXPENSE AND LOSS			
9	1	1	Clause 33.0			
9	1	1	32 Fixed:_____ Value related:_____ Time related:_____	Item	1	
9	1	1	A34 FINAL ACCOUNT AND FINAL PAYMENT			
9	1	1	Clause 34.0			
9	1	1	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 reductions has been applied in terms of 14.7.1" Clause 34.13 is amended by replacing "seven (7) calendar days" with "thirty (30) calendar days" and deleting the words "subject to the employer giving the contractor a tax invoice for the amount due"			
9	1	1	33 Fixed:_____ Value related:_____ Time related:_____	Item	1	
9	1	1	A35 PAYMENT TO OTHER PARTIES			
9	1	1	Clause 35.0			
9	1	1	34 Fixed:_____ Value related:_____ Time related:_____	Item	1	
9	1	1	CANCELLATION			
9	1	1	A36 CANCELLATION BY EMPLOYER - CONTRACTOR'S DEFAULT			
9	1	1	Clause 36.0			
9	1	1	Clause 36.1 is amended by the addition of the following : 36.1.3 refuses or neglects to comply strictly with any of the conditions of contract 36.1.4 estate being sequestrated, liquidated or surrendered in terms of the insolvency laws in force within the Republic of South Africa			
9	1	1	36.1.5 in the judgement of the employer, has engaged in corrupt or fraudulent practices in competing for or in executing the contract			
9	1	1	Clause 36.3 is amended by removing the reference to "No clause" and replacing the words "principal agent" with "employer"			
9	1	1	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			
9	1	1	35 Fixed:_____ Value related:_____ Time related:_____	Item	1	
9	1	1	A37 TERMINATION BY EMPLOYER - LOSS AND DAMAGE			
9	1	1	Clause 37.0			
9	1	1	36 Fixed:_____ Value related:_____ Time related:_____	Item	1	
9	1	1	A37 CANCELLATION BY EMPLOYER - LOSS AND DAMAGE			
9	1	1	Clause 37.0			
9	1	1	Clause 37.3.5 is amended by replacing "ninety (90)" with "one-hundred and twenty (120)".			
9	1	1	Clause 37.0 is amended by the addition of the following clause:			
9	1	1	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.			
9	1	1	37 Fixed:_____ Value related:_____ Time related:_____	Item	1	
10	1	1	A38 CANCELLATION BY CONTRACTOR - EMPLOYER'S DEFAULT			
10	1	1	Clause 38.0			
10	1	1	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:			
10	1	1	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.			
10	1	1	38 Fixed:_____ Value related:_____ Time related:_____	Item	1	
10	1	1	A39 CANCELLATION - CESSATION OF THE WORKS			
10	1	1	Clause 39.0			
10	1	1	Clause 39.3.5 is amended by the addition of the following at the end of the sentence: "within one hundred and twenty (120) working days of completion of such report"			
10	1	1	39 Fixed:_____ Value related:_____ Time related:_____	Item	1	
10	1	1	DISPUTE			
10	1	1	A40 DISPUTE SETTLEMENT			
10	1	1	Clause 40.0			
10	1	1	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			
10	1	1	40 Fixed:_____ Value related:_____ Time related:_____	Item	1	
10	1	1	SUBSTITUTE PROVISIONS			
10	1	1	A41 STATE CLAUSES			
10	1	1	Clause 41.0			
10	1	1	41 Fixed:_____ Value related:_____ Time related:_____	Item	1	
10	1	1	CONTRACT VARIABLES			
10	1	1	THE SCHEDULE (CL2 CONTRACT DATA)			
10	1	1	A42 PRE-TENDER INFORMATION			
10	1	1	Clause 42.0			
10	1	1	Tenderers are referred to the notes to tenderers for variables pertaining to this contract.			
10	1	1	42 Fixed:_____ Value related:_____ Time related:_____	Item	1	
10	1	1	A42 POST-TENDER INFORMATION			
10	1	1	Clause 42.0			
10	1	1	The required post-tender information shall be inserted in the agreement after consultation with the contractor			

10	1	1	43	Fixed:_____ Value related:_____ Time related:_____	Item	1	
10	1	1		SECTION B: JBCC PRELIMINARIES			
10	1	1		B1.0 DEFINITIONS AND INTERPRETATION			
10	1	1		B1.1 Definitions and interpretation			
10	1	1		See also clause A1.0 of Section A for additional and/or amended definitions which shall apply equally to this Section.			
10	1	1	44	Fixed:_____ Value related:_____ Time related:_____	Item	1	
10	1	1		B2.0 DOCUMENTS			
10	1	1		B2.1 Checking of documents			
11	1	1	45	Fixed:_____ Value related:_____ Time related:_____	Item	1	
11	1	1		B2.2 Provisional bills of quantities			
11	1	1	46	Fixed:_____ Value related:_____ Time related:_____	Item	1	
11	1	1		B2.3 Availability of construction documentation			
11	1	1	47	Fixed:_____ Value related:_____ Time related:_____	Item	1	
11	1	1		B2.4 Interests of agents			
11	1	1	48	Fixed:_____ Value related:_____ Time related:_____	Item	1	
11	1	1		B2.5 Priced documents			
11	1	1	49	Fixed:_____ Value related:_____ Time related:_____	Item	1	
11	1	1		B2.6 Tender submission			
11	1	1		Clause 2.6 is amended by replacing "JBCC Form of Tender" with "Form of Offer and Acceptance [C1.1]".			
11	1	1	50	Fixed:_____ Value related:_____ Time related:_____	Item	1	
11	1	1		B3.0 THE SITE			
11	1	1		B3.1 Defined works area			
11	1	1		The area of the works to be occupied by the contractor, any restriction on the area and the limit of access or exit will be pointed out to the contractor by the Principal Agent on handing over of the site			
11	1	1	51	Fixed:_____ Value related:_____ Time related:_____	Item	1	
11	1	1		B3.2 Geotechnical investigation			
11	1	1	52	Fixed:_____ Value related:_____ Time related:_____	Item	1	
11	1	1		B3.3 Inspection of the site			
11	1	1		Tenderers shall complete the Site Inspection Certificate included in the tender documents and return the same with the tender submission			
11	1	1	53	Fixed:_____ Value related:_____ Time related:_____	Item	1	
11	1	1		B3.4 Existing premises occupied			
11	1	1	54	Fixed:_____ Value related:_____ Time related:_____	Item	1	
11	1	1		B3.5 Previous work - dimensional accuracy			
11	1	1	55	Fixed:_____ Value related:_____ Time related:_____	Item	1	
11	1	1		B3.6 Previous work - defects			
11	1	1	56	Fixed:_____ Value related:_____ Time related:_____	Item	1	
11	1	1		B3.7 Services - known			
11	1	1	57	Fixed:_____ Value related:_____ Time related:_____	Item	1	
11	1	1		B3.8 Services - unknown			
11	1	1	58	Fixed:_____ Value related:_____ Time related:_____	Item	1	
11	1	1		B3.9 Protection of trees			
11	1	1	59	Fixed:_____ Value related:_____ Time related:_____	Item	1	
11	1	1		B3.10 Articles of value			
11	1	1	60	Fixed:_____ Value related:_____ Time related:_____	Item	1	
11	1	1		B3.11 Inspection of adjoining properties			
11	1	1	61	Fixed:_____ Value related:_____ Time related:_____	Item	1	
11	1	1		B4.0 MANAGEMENT OF CONTRACT			
11	1	1		B4.1 Management of the works			
11	1	1	62	Fixed:_____ Value related:_____ Time related:_____	Item	1	
11	1	1		B4.2 Programme for the works			
11	1	1	63	Fixed:_____ Value related:_____ Time related:_____	Item	1	
12	1	1		B4.3 Progress meetings			
12	1	1	64	Fixed:_____ Value related:_____ Time related:_____	Item	1	
12	1	1		B4.4 Technical meetings			
12	1	1	65	Fixed:_____ Value related:_____ Time related:_____	Item	1	
12	1	1		B4.5 Labour and plant records			
12	1	1	66	Fixed:_____ Value related:_____ Time related:_____	Item	1	
12	1	1		B5.0 SAMPLES, SHOP DRAWINGS AND MANUFACTURERS' INSTRUCTIONS			
12	1	1		B5.1 Samples of materials			
12	1	1	67	Fixed:_____ Value related:_____ Time related:_____	Item	1	
12	1	1		B5.2 Workmanship samples			
12	1	1	68	Fixed:_____ Value related:_____ Time related:_____	Item	1	
12	1	1		B5.3 Shop drawings			
12	1	1	69	Fixed:_____ Value related:_____ Time related:_____	Item	1	
12	1	1		B5.4 Compliance with manufacturers instructions			
12	1	1	70	Fixed:_____ Value related:_____ Time related:_____	Item	1	
12	1	1		B6.0 TEMPORARY WORKS AND PLANT			
12	1	1		B6.1 Deposits and fees			
12	1	1	71	Fixed:_____ Value related:_____ Time related:_____	Item	1	
12	1	1		B6.2 Enclosure of the works			
12	1	1	72	Fixed:_____ Value related:_____ Time related:_____	Item	1	
12	1	1		B6.3 Advertising			
12	1	1	73	Fixed:_____ Value related:_____ Time related:_____	Item	1	
12	1	1		B6.4 Plant, equipment, sheds and offices			

12	1	1	74	Fixed:_____ Value related:_____ Time related:_____	Item	1	
12	1	1		B6.5 Main notice board			
12	1	1	75	Fixed:_____ Value related:_____ Time related:_____	Item	1	
12	1	1		B6.6 Subcontractors notice board			
12	1	1	76	Fixed:_____ Value related:_____ Time related:_____	Item	1	
12	1	1		B7.0 TEMPORARY SERVICES			
12	1	1		B7.1 Location			
12	1	1	77	Fixed:_____ Value related:_____ Time related:_____	Item	1	
12	1	1		B7.2 Water			
12	1	1	78	Fixed:_____ Value related:_____ Time related:_____	Item	1	
12	1	1		B7.3 Electricity			
12	1	1	79	Fixed:_____ Value related:_____ Time related:_____	Item	1	
12	1	1		B7.4 Telecommunication facilities			
12	1	1	80	Fixed:_____ Value related:_____ Time related:_____	Item	1	
12	1	1		B7.5 Ablution facilities			
12	1	1	81	Fixed:_____ Value related:_____ Time related:_____	Item	1	
12	1	1		B8.0 PRIME COST AMOUNTS			
12	1	1		B8.1 Responsibility for prime cost amounts			
12	1	1	82	Fixed:_____ Value related:_____ Time related:_____	Item	1	
13	1	1		9.0 ATTENDANCE ON N/S SUBCONTRACTORS			
12	1	1		B9.1 General attendance			
12	1	1	83	Fixed:_____ Value related:_____ Time related:_____	Item	1	
13	1	1		B9.2 Special attendance			
13	1	1	84	Fixed:_____ Value related:_____ Time related:_____	Item	1	
13	1	1		B9.3 Commissioning - fuel, water and electricity			
13	1	1	85	Fixed:_____ Value related:_____ Time related:_____	Item	1	
13	1	1		B10.0 FINANCIAL ASPECTS			
13	1	1		B10.1 Statutory taxes, duties and levies			
13	1	1		Provision is made in the summary of these bills of quantities for the inclusion of Value Added Tax (VAT)			
13	1	1	86	Fixed:_____ Value related:_____ Time related:_____	Item	1	
13	1	1		B10.2 Payment for preliminaries			
13	1	1	87	Fixed:_____ Value related:_____ Time related:_____	Item	1	
13	1	1		B10.3 Adjustment of preliminaries			
13	1	1		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 his priced bills of quantities / lump sum document submitted with his tender offer".			
13	1	1	88	Fixed:_____ Value related:_____ Time related:_____	Item	1	
13	1	1		B10.4 Payment certificate cash flow			
13	1	1	89	Fixed:_____ Value related:_____ Time related:_____	Item	1	
13	1	1		B11. GENERAL			
13	1	1		B11.1 Protection of the works			
13	1	1	90	Fixed:_____ Value related:_____ Time related:_____	Item	1	
13	1	1		B11.2 Protection / Isolation of existing / sectionally occupied works			
13	1	1	91	Fixed:_____ Value related:_____ Time related:_____	Item	1	
13	1	1		B11.3 Security of the works			
13	1	1	92	Fixed:_____ Value related:_____ Time related:_____	Item	1	
13	1	1		B11.4 Notice before covering work			
13	1	1	93	Fixed:_____ Value related:_____ Time related:_____	Item	1	
13	1	1		B11.5 Disturbance			
13	1	1	94	Fixed:_____ Value related:_____ Time related:_____	Item	1	
13	1	1		B11.6 Environmental disturbance			
13	1	1	95	Fixed:_____ Value related:_____ Time related:_____	Item	1	
13	1	1		B11.7 Works cleaning and clearing			
13	1	1	96	Fixed:_____ Value related:_____ Time related:_____	Item	1	
13	1	1		B11.8 Vermin			
13	1	1	97	Fixed:_____ Value related:_____ Time related:_____	Item	1	
13	1	1		B11.9 Overhand work			
13	1	1	98	Fixed:_____ Value related:_____ Time related:_____	Item	1	
13	1	1		B11.10 Instruction manuals and guarantees			
13	1	1	99	Fixed:_____ Value related:_____ Time related:_____	Item	1	
13	1	1		B11.11 As built information			
13	1	1	100	Fixed:_____ Value related:_____ Time related:_____	Item	1	
13	1	1		B11.12 Tenant installations			
13	1	1	101	Fixed:_____ Value related:_____ Time related:_____	Item	1	
13	1	1		B12. SCHEDULE OF VARIABLES			
13	1	1		B12.1 Schedule of variables			
14	1	1		This schedule contains all variables referred to in this document and is divided into pre-tender and post-tender categories. The pre-tender category must be completed in full and included in the tender documents. Both the pre-tender and post-tender categories form part of these Preliminaries.			
14	1	1		Spaces requiring information must be filled in, shown as "not applicable" or deleted and not left blank. Where choices are offered, the non-applicable items are to be deleted. Where insufficient space is provided the information should be annexed hereto and cross-referenced to the applicable clause of the schedule. Key cross reference clauses are italicised in [] brackets.			
14	1	1		12.1 PRE TENDER INFORMATION			
14	1	1		12.1.1 Provisional Bills of Quantities			
14	1	1		[2.2] The quantities are provisional -YES			
14	1	1		12.1.2 Availability of construction documentation			
14	1	1		[2.3] Construction of documentation is complete-YES			

14	1	1	12.1.3 Interest of agents				
14	1	1	(2.4) Details: NIL				
14	1	1	12.1.4 Defined works area				
14	1	1	(3.1) Details: The work area will be pointed out to the contractor by the principal agent to the contractor who will sign written acknowledgement therefore before commencing operations.				
14	1	1	12.1.5 Geotechnical investigation				
14	1	1	N/A				
14	1	1	12.1.6 Existing premises occupied				
14	1	1	(3.4) Specific requirements: The premises will be in use and occupied during the course of this contract. The contractor shall execute the works in such a manner as will least interfere with the general routine of the occupants of the premises and shall minimise any nuisance from dust, noise or other causes.				
14	1	1	12.1.7 Previous work - dimensional accuracy				
14	1	1	The contractor shall, within reasonable period after taking possession of the site, but not exceeding ten (10) percent of the construction period or twenty (20) working days whichever is the lesser, check existing levels, lines, profiles and the like affecting the works and satisfy himself as to the dimensional accuracy of work previously executed. The contractor shall forthwith notify the principal agent and request a contract instruction regarding any dimensional inaccuracy found in work previously executed				
14	1	1	12.1.8 Previous work - defects				
14	1	1	The contractor on becoming aware of a defect in work previously executed shall forthwith notify the principal agent requesting a contract instruction regarding such defect				
14	1	1	12.1.9 Services - known				
14	1	1	Existing services and points of connection are shown on the site plan or will be pointed out on the site by the principal agent				
14	1	1	12.1.10 Protection of trees				
14	1	1	(3.9) Specific requirements: Only those trees and shrubs indicated as such on the drawings shall be removed or cut back. The remainder of the trees and shrubs shall be left undamaged.				
14	1	1	12.1.11 Inspection of adjoining properties				
14	1	1	The contractor shall make his own arrangements with the owners of adjoining properties in order to execute the works				
14	1	1	12.1.12 Enclosure of the works				
14	1	1	The contractor shall erect, maintain and remove on completion, hoardings with gantries, fans, safety screens, barriers, access gates, covered gangways and the like as necessary for the enclosure of the works and elements thereof all for the protection of the public and others				
14	1	1	12.1.13 Offices				
15	1	1	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, suitable insulated and ventilated, provided with electric lighting, and fitted with boarded floor, desk, chair, drawing stool, drawing board and lock-up drawers for drawings. The office shall be kept clean and fit for use at all times				
15	1	1	12.1.14 Main notice board				
15	1	1	(6.5) Specific requirements: The contractor shall provide, erect where directed, maintain and remove on completion of the works a notice board size 3 x 3m, constructed of suitable boarding with flat smooth surface and with edging bead 19mm thick round outer edges and projecting 12mm from face of boarding and rounded on front edge. The board shall be securely fixed to hoarding, where hoarding is provided, or fixed to and including a suitable supporting structure of timber or tubular posts and braces. The board is to be painted ivory white and the bead and 52mm wide dividing lines dark green. All wording shall be inscribed in dark green as per the coat of arms for SA. All wording shall be inscribed in dark green painted sans serif lettering.				
15	1	1	12.1.15 Subcontractors' notice board				
15	1	1	(6.6) Specific requirements: NIL				
15	1	1	12.1.16 Water				
15	1	1	(7.2) Option A (by contractor) YES Option B (by employer - free of charge) NO Option C (by b employer - metered) NO				
15	1	1	12.1.17 Electricity				
15	1	1	(7.3) Option A (by contractor) YES Option B (by employer - free of charge) NO Option C (by b employer - metered) NO				
15	1	1	12.1.18 Telecommunications				
15	1	1	(7.4) Telephone NO Facsimile NO E-mail YES				
15	1	1	12.1.19 Ablution facilities				
15	1	1	(7.5) Option A (by contractor) YES Option B (by employer - free of charge) NO Option C (by employer - metered) NO				
15	1	1	12.1.20 Protection of existing/sectionally occupied works				
15	1	1	(11.2) Protection is required YES				
15	1	1	12.1.21 Special attendance				
15	1	1	(8.2) Subcontractor (1) details: Subcontractor (2) details: Subcontractor (3) details: Subcontractor (4) details:				
15	1	1	12.1.22 Protection of works				
15	1	1	(11.1) Specific requirements: N/A				
15	1	1	12.1.23 Disturbance				
15	1	1	(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.				
15	1	1	12.1.24 Environmental disturbance				
15	1	1	(11.6) Specific requirements: N/A				
15	1	1	12.2 POST-TENDER INFORMATION				
15	1	1	12.2.1 Payment of preliminaries				
15	1	1	(10.2) Option A (pro-rated) YES/NO Option B (calculates) YES/NO				
15	1	1	12.2.2 Adjustment of preliminaries				
15	1	1	(10.3) Option A (three categories) YES/NO Option B (detailed breakdown) YES/NO				
15	1	1	12.2.3 Additional agreed preliminaries items				
15	1	1	Details: N/A				
15	1	1	SECTION C: SPECIFIC PRELIMINARIES				
16	1	1	Section C contains specific preliminary items which apply to this contract except where N/A (Not Applicable) appears against an item.				
16	1	1	C1 CONTRACT DRAWINGS				
16	1	1	The drawings issued with the tender documents do not comprise the complete set but serve as a guide only for tendering purposes and for indicating the scope of the work to enable the tenderer to acquaint himself with the nature and extent of the works and the manner in which they are to be executed. Should any part of the drawings not be clearly understood by the tenderer he shall, before submitting his tender, obtain clarification in writing from the principal agent				
16	1	1	102 Fixed: Value related: Time related:	Item			1
16	1	1	C2 GENERAL PREAMBLES				
16	1	1	These tender documents "Model Preambles for Trades (Latest Edition)" as issued by the Association of South African Quantity Surveyors which are obtainable on ASAQ's website alternatively a copy can be e-mailed on request from the Quantity Surveyor offices, 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. No claim arising from brevity of description of items fully described in the said Preambles for Trades will be entertained				
16	1	1	The contractor is referred to the Model Preambles for Trades (Latest Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.				
16	1	1	Supplementary preambles are incorporated in these bills of quantities to satisfy the requirements of this project. Such supplementary preambles shall take precedence over the provisions of the said Model Preambles				
16	1	1	The contractor's prices for all items throughout these bills of quantities must take account of and include for all of the obligations, requirements and specifications given in the said Model Preambles and in any supplementary preambles				
16	1	1	103 Fixed: Value related: Time related:	Item			1
16	1	1	C3 TRADE NAMES				
16	1	1	Wherever a trade name for any product has been described in the bills of quantities / lump sum document, the tenderer's attention is drawn to the fact that any other product of equal quality may be used subject to the written approval of the principal agent being obtained prior to the closing date for submission of tenders. If prior written approval for an alternative product is not obtained, the product described shall be deemed to have been tendered for.				
16	1	1	104 Fixed: Value related: Time related:	Item			1

16	1	1	C4 IMPORTED MATERIALS AND EQUIPMENT						
16	1	1	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 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).						
16	1	1	105 Fixed:_____ Value related:_____ Time related:_____	Item				1	
16	1	1	C5 VIEWING THE SITE IN SECURITY AREAS						
16	1	1	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.						
16	1	1	106 Fixed:_____ Value related:_____ Time related:_____	Item				1	
16	1	1	C6 COMMENCEMENT OF WORK IN SECURITY AREAS						
16	1	1	As the works fall 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.						
16	1	1	107 Fixed:_____ Value related:_____ Time related:_____	Item				1	
16	1	1	C7 ENTRANCE PERMITS TO SECURITY AREAS						
17	1	1	As the works fall 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.						
17	1	1	108 Fixed:_____ Value related:_____ Time related:_____	Item				1	
17	1	1	C8 SECURITY CHECK OF PERSONNEL						
17	1	1	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 any document or information relating to the works.						
17	1	1	109 Fixed:_____ Value related:_____ Time related:_____	Item				1	
17	1	1	C9 PROHIBITION OF TAKING PHOTOGRAPHS						
17	1	1	The contractor shall obtain prior authorisation from the employer for the making of any sketches or the taking of any photographs of any site, installation, building or civil works belonging to the employer and shall ensure that all personnel, subcontractors and other persons entering the site shall comply with this requirement as well.						
17	1	1	110 Fixed:_____ Value related:_____ Time related:_____	Item				1	
17	1	1	C10 HIV/AIDS AWARENESS						
17	1	1	It is required of the contractor to thoroughly study the HIV/AIDS Specification (PW 1544) of the Department that must be read together with and is deemed to be incorporated under this Section of the bills of quantities / lump sum document. Provision for pricing of HIV/AIDS awareness is made under the two items below hereafter and it is explicitly pointed out that all requirements of the aforementioned specification are deemed to be priced hereunder, as the said items represent the only method of measurement and no additional items or extras to the contract in this regard shall be entertained. The contractor must take note that compliance with the HIV/AIDS Specification is compulsory. In the event of partial or total non-compliance, the principal agent, notwithstanding the provisions of Clause A 31 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						
17	1	1	C10.1 AWARENESS CHAMPION						
17	1	1	Selection, appointment, briefing and making available of an Awareness Champion including provision of all relevant services, all in accordance with the HIV/AIDS Specification.						
17	1	1	111 Fixed:_____ Value related:_____ Time related:_____	Item				1	
17	1	1	C10.2 AWARENESS WORKSHOPS						
17	1	1	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.						
17	1	1	112 Fixed:_____ Value related:_____ Time related:_____	Item				1	
17	1	1	C10.3 POSTERS, BOOKLETS, VIDEOS, ETC.						
17	1	1	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.						
17	1	1	113 Fixed:_____ Value related:_____ Time related:_____	Item				1	
17	1	1	C10.4 ACCESS TO CONDOMS						
17	1	1	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.						
18	1	1	114 Fixed:_____ Value related:_____ Time related:_____	Item				1	
18	1	1	C10.5 CO-OPERATION OF CONTRACT FOR COST MANAGEMENT						
18	1	1	It is specifically agreed that the contractor accepts the obligation of assisting the principal agent in implementing proper cost management. The contractor will be advised by the principal agent of all cost management procedures which will be implemented to ensure that the final building cost does not exceed the budget. The principal agent undertakes to make available to the contractor all budgetary allowances and cost assessments/reports to enable the proper procedures to be implemented and the contractor shall attend all cost plan review and cost management meetings. The contractor undertakes to extend these procedures, as necessary, to all subcontractors						
18	1	1	115 Fixed:_____ Value related:_____ Time related:_____	Item				1	
18	1	1	C10.6 MONITORING						
18	1	1	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.						
18	1	1	116 Fixed:_____ Value related:_____ Time related:_____	Item				1	
18	1	1	C11 OCCUPATIONAL HEALTH AND SAFETY ACT						
18	1	1	The contractor shall comply with all the requirements set out in the Construction Regulations, 2003 issued under the Occupational Health and Safety Act, 1993 (Act No. 85 of 1993).						
18	1	1	The contractor must take note that compliance with the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is compulsory. In the event of partial or total non-compliance, the principal agent notwithstanding the provisions of clause A31.0 of Section A or any other clause to the contrary, reserves the right to delay issuing any progress payment certificate until the contractor provides satisfactory proof of compliance. The contractor shall not be entitled to any compensation of whatsoever nature, including interest, due to such delay of payment. Provision for pricing of the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is made under this clause 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.						
18	1	1	117 Fixed:_____ Value related:_____ Time related:_____	Item				1	
18	1	1	C11.1 OCCUPATIONAL HEALTH AND SAFETY MEASURES IN WORKPLACES COVID-19 (C19 OHS)						
18	1	1	The contractor shall comply with all the requirements set out in the COVID-19 Health and Safety Baseline Specification as contained within these tender documents and 2003 issued under the Occupational Health and Safety Act, 1993 (Act No 85 of 1993) in particular Hazardous Biological Agents Regulations governing workplaces in relation to Coronavirus Disease 2019 cause by SARS-CoV-2 and the COVID-19 Occupational Health and Safety Measures in Workplace COVID-19 (C19 OHS), 2020.						
18	1	1	The contractor must take note that compliance with the COVID-19 Health and Safety Baseline Specification as contained within these tender documents and 2003 issued under the Occupational Health and Safety Act, 1993 (Act No 85 of 1993) in particular Hazardous Biological Agents Regulations governing workplaces in relation to Coronavirus Disease 2019 cause by SARS-CoV-2 and the COVID-19 Occupational Health and Safety Measures in Workplace COVID-19 (C19 OHS), 2020 is compulsory. In the event of partial or total non-compliance, the principal agent, notwithstanding the provisions of clause A31.0 of Section A or any other clause to the contrary, reserves the right to delay issuing any progress payment certificate until the contractor provides satisfactory proof of compliance. The contractor shall not be entitled to any compensation of whatsoever nature, including interest, due to such delay of payment.						
19	1	1	Provision for pricing of the COVID-19 Health and Safety Baseline Specification and Occupational Health and Safety Act in particular Hazardous Biological Agents Regulations governing workplaces in relation to Corona virus Disease 2019 cause by SARS-CoV-2 and the COVID-19 Occupational Health and Safety Measures in Workplace COVID-19 (C19 OHS), 2020 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.						
19	1	1	118 Fixed:_____ Value related:_____ Time related:_____	Item				1	
19	1	1	C12 REPORTING BY CONTRACTOR						
19	1	1	The contractor is required to complete the attached Contractors Monthly Report which is to be submitted together with the contractors payment claim. Payment of the contractor is conditional on this information being accurate and timeously provided.						
19	1	1	119 Fixed:_____ Value related:_____ Time related:_____	Item				1	
19	1	1	C13 LOCAL LABOUR AND BUILDING MATERIALS						
19	1	1	C13.1 GENERAL						
19	1	1	Allow for monthly submission of proof of employment of local skilled and unskilled labour to the principal agent.						
19	1	1	It is a general requirement of this contract that persons normally resident in the locality of the works (local labour) be given preference for employment on the contract. Should adequate and appropriate labour not be available within the locality, other labour may be subject to satisfactory proof being provided that every reasonable endeavour has been made to employ local labour. 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 contractor shall furthermore give preference, wherever possible to the employment of single heads of households, women and youth. The contractor shall, in general, maximise the involvement of the local community.						
19	1	1	120 Fixed:_____ Value related:_____ Time related:_____	Item				1	
19	1	1	C13.2 LOCAL BUILDING MATERIALS						
19	1	1	Preference shall be given to the supply of materials produced or manufactured in the Pretoria region provided that: a) Such materials comply in all respects with the specific requirements of Prasa Norms, Guidelines and Standards (NGS) specification b) The availability of such materials shall not adversely affect the desired progress of the specific works c) The use of such materials shall not constitute grounds for any claim for increased cost in respect thereof						
19	1		Section 1: Preliminaries						

Carried to Final Summary

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PAGE NO	SEC NO	BILL NO	ITEM NO	DESCRIPTION	UNIT	LOCAL CONTENT THRESHOLD	QUANTITY	RATE
1	2	1		SECTION NO. 2	H2			
1	2	1		BILL NO. 1	H2			
1	2	1		ALTERATIONS, DEMOLITIONS, ETC.	H2			
1	2	1		PREAMBLES				
1	2	1		Tenderers are to refer to the Model Preambles for Trades (Latest Edition) and Supplementary Preambles for further description and amplification of work in this section				
1	2	1		SUPPLEMENTARY PREAMBLES				
1	2	1		Notes: 1.Tenderers are advised to study the Prasa Norms, Guidelines and Standards (NGS) for Station Facilities and Part 8 of the Prasa Specifications before pricing this bill				
1	2	1		GENERAL NOTES				
1	2	1		For further preambles and full descriptions of Items not fully described in this Bill, reference must be made to supplementary preambles and descriptions in the other Bills of this Section. Such supplementary preambles and descriptions shall apply equally				
1	2	1		GENERAL				
1	2	1		In taking down and removing existing work the utmost care shall be observed to prevent any structural or other damage to remaining portions of the building and the Contractor shall provide all shoring, needling, strutting, etc. to ensure stability				
1	2	1		Any water supply and other piping that may be encountered and which is found necessary to disconnect or cut shall, after such disconnection or cutting has been authorised by the Representative/Agent, be effectively stopped off				
1	2	1		EXISTING BUILDINGS				
1	2	1		The existing buildings will be in use and occupied during the progress of the contract and the Contractor will be required to carry out the works in such a manner as will least interfere with the occupants and with the minimum of disturbance				
1	2	1		SIZE PERTAINING TO EXISTING WORK				
1	2	1		The Contractor is advised to take all dimensions affecting the existing buildings on the site and he will be held solely responsible for the correctness of sizes of all new work. All sizes given in relation to existing work are approximate.				
1	2	1		MAKING GOOD DAMAGED WORK				
1	2	1		The Contractor shall make good in all trades to existing work where damaged or disturbed through the alterations with all necessary new materials to match the existing				
1	2	1		FORMING NEW OPENINGS OR ALTERING OPENINGS IN EXISTING WALLS				
1	2	1		Descriptions of forming new openings or altering openings in existing walls shall be deemed to include breaking out for and forming new brick, in-situ concrete or prestressed concrete lintels, including all reinforcement, formwork, turning pieces, etc.				
1	2	1		BUILDING UP OPENINGS				
1	2	1		Descriptions of building up existing openings where given in number shall be deemed to include preparing existing surfaces all around, brickwork properly toothed and bonded to existing, wedging up and making good on both sides as described				
1	2	1		PAINTWORK				
1	2	1		Where plasterwork on walls, ceilings, etc. are required to be patched or made good, prices are to include for the appropriate priming coat and one coat undercoat to receive paint finishing coats which are measured elsewhere				
1	2	1		The contractor must protect all work not removed such as walls, floors, doors, windows, fittings, etc. from damage during the progress of the work and provide all necessary materials for doing so.				
1	2	1		Tenderers are advised to visit the site before tendering and satisfy themselves as to the nature and extent of the works, means of access to the site and availability of working space. No claims will be entertained due to the tenderer having failed to comply				
1	2	1		PROCEDURE OF WORK				
1	2	1		The Representative/Agent reserves the right to direct the order in which the contract will be executed, should circumstances necessitate such action.				
1	2	1		LOSS BY THEFT, FIRE OR OTHERWISE				
1	2	1		The risk of loss, theft, fire, storm, not or otherwise of the buildings to be demolished and the materials therein shall rest entirely with the contractor immediately upon the handing over of the site.				
1	2	1		WATER AND OTHER PIPING				
2	2	1		Any water supply or other piping that may be met with and found necessary to disconnect or cut are to be effectually stopped off or grubbed up and removed and any new connections that may be necessary and are to be made with proper fittings				
2	2	1		ELECTRICAL AND OTHER SERVICES				
2	2	1		Special care is to be exercised not to unnecessarily interfere with any electric light, bell, power, telephone or other wires and fittings that may be met with and due notice must be given to the Architect.				
2	2	1		The contractor must protect all work not removed such as walls, floors, doors, windows, fittings, etc. from damage during the progress of the work and provide all necessary materials for doing so.				
2	2	1		OCCUPATION OF EXISTING BUILDINGS				
2	2	1		Tenderers are advised that the existing buildings will be in occupation during the building operations and due allowance must be made for the work being carried out in such a manner as will least interfere with the general routine of the occupants.				
2	2	1		NOISE PREVENTION				
2	2	1		The contractor shall take special care to minimise noisy operations during business hours. Such measures will include, inter alia, the use of silent compressors and strict control of workmen.				
2	2	1		The contractor shall demolish the portions of existing structures or buildings with a minimum amount of damage to adjoining buildings, materials, pavings, etc. Any damage caused is to be made good at his own expense with materials to match the existing.				
2	2	1		ALTERATIONS TO OPENINGS				
2	2	1		Where the Contractor is required to form openings, alter openings or brick up openings in existing walls all brickwork shall be made good at jambs including properly bonding to existing. Brickwork in bricking up openings shall be wedged and pinned up to				
2	2	1		MAKING GOOD, ETC				
2	2	1		Prices are to include for making good in all trades to existing work, where damaged or disturbed through alterations, with all necessary new materials to match existing and leave complete and perfect in every respect.				
2	2	1		Prices are to include for making good in all trades to existing work, where damaged or disturbed through alterations, with all necessary new materials to match existing and leave complete and perfect in every respect.				
2	2	1		REMOVAL OF EXISTING WORK	H2			
2	2	1		Take out and remove doors, windows, etc. including thresholds, sills, etc. (new doors & windows elsewhere).	H3			
2	2	1	1	Damaged timber single door size overall 813 x 2032mm high from half brick wall. DR101	No	N/A		RATE ONLY
2	2	1	2	Damaged timber single door size overall 813 x 2032mm high from one brick wall. DR101	No	N/A		RATE ONLY
2	2	1	3	Damaged double door size overall 1 612 x 2032mm high from one brick wall. DR100	No	N/A		RATE ONLY
2	2	1	4	Damaged Windows complete. WN100	No	N/A		RATE ONLY
2	2	1		Take down and remove roofs, floors, panelling, ceilings, partitions, etc.:	H3			
2	2	1	5	Carefully examine entire roof area for leaks and remove damaged roof parts, including roof trusses, concrete roofs,etc.	m²	N/A		RATE ONLY
2	2	1	6	Remove all ceilings complete	m²	N/A		RATE ONLY
2	2	1		Take out and remove ironmongery, including preparing for new sets.	H3			
2	2	1	7	Toilet paper holder.	No	N/A		RATE ONLY
2	2	1	8	Liquid soap dispenser.	No	N/A		RATE ONLY
2	2	1	9	Paper towel dispenser.	No	N/A		RATE ONLY
2	2	1	10	Towel rail.	No	N/A		RATE ONLY
2	2	1		Taking out/off and removing sundry metalwork	H3			
2	2	1	11	Remove damaged burglar proofing	m²	N/A		RATE ONLY
2	2	1		Hacking up/off and removing tiles including removing mortar bed or adhesive from concrete or brickwork and preparing surfaces for new screed, plaster, tile finish, etc	H3			
2	2	1	12	Wall tiles.	m²	N/A		RATE ONLY
3	2	1	13	Floor tiles.	m²	N/A		RATE ONLY

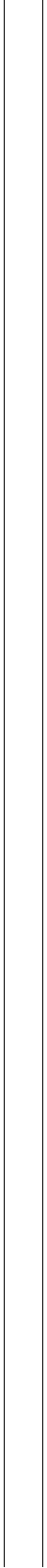
3	2	1	14 Tile skirting 100mm high.	m	N/A	RATE ONLY	
3	2	1	Take out and removing piping, sanitary fittings, etc, including cutting off as necessary, disconnecting piping from fittings and making good floor and wall finishes (making good tiling and paintwork elsewhere)	H3			
3	2	1	15 Wash hand basin with brackets, taps, etc. and all necessary piping, etc.	No	N/A	RATE ONLY	
3	2	1	16 Water closet suite complete with flushing system and all necessary piping, etc.	No	N/A	RATE ONLY	
3	2	1	PREPARATORY WORK TO EXISTING SURFACES	H2			
3	2	1	Hacking off and removing paint from existing plaster and prepare surfaces to receive new paint.	H3			
3	2	1	17 Hacking face of existing painted wall to receive new paint (elsewhere).	m²	N/A	RATE ONLY	
3	2	1	MAKE GOOD FINISHES, ETC.	H2			
3	2	1	Make good internal granolithic, screed, plaster, etc. to match existing:	H3			
3	2	1	18 Plaster on walls in patches.	m²	100% Cement Products	RATE ONLY	
3	2	1	19 Making good cement plaster on walls where tiles removed.	m²	100% Cement Products	RATE ONLY	
3	2	1	BUDGETARY ALLOWANCES	H2			
3	2	1	20 Allow the amount of R 5 000.00 for external alterations/vegetation, etc. This work shall be measured on completion and priced at agreed rates.	Item	N/A	RATE ONLY	5000
3	2	1	TOTAL ALTERATIONS, DEMOLITIONS, ETC.				
3	2	2	SECTION NO. 2	H2			
3	2	2	BILL NO. 2	H2			
3	2	2	WATERPROOFING	H2			
3	2	2	PREAMBLES				
3	2	2	Tenderers are to refer to the Model Preambles for Trades (Latest Edition) and Supplementary Preambles for further description and amplification of work in this section				
3	2	2	SUPPLEMENTARY PREAMBLES				
3	2	2	Tenderers are advised to study the Prasa Norms, Guidelines and Standards (NGS) for Station Facilities and Part B of the Prasa Specifications before pricing this bill				
3	2	2	Waterproofing Under a ten year guarantee. Waterproofing to roofs shall be laid to even falls to outlets etc with necessary ridges, hips and valleys. Waterproofing of roofs, basements, etc shall be deemed to include additional labour to turn-ups and turn-downs				
3	2	2	DAMP-PROOFING OF WALLS AND FLOORS	H2 H2			
3	2	2	One layer of approved 375 micron embossed damp proof course	H3			
3	2	2	1 In walls, window cills, etc.	m²	N/A	RATE ONLY	
3	2	2	Two coats bitumen emulsion waterproof coating:	H3			
3	2	2	2 On walls to receive wall tiling.	m²	N/A	RATE ONLY	
3	2	2	JOINT SEALANTS, ETC	H2			
3	2	2	Two part grey polysulphide sealing compound including backing cord, bond breaker, primer, etc.	H3			
3	2	2	3 Point 6mm wide joint between ceramic sanitaryware and wall with type 2 one component, silicone rubber base joint sealing compound.	m	N/A	RATE ONLY	
3	2	2	4 3 x 35mm in saw cut joints in floors	m	N/A	RATE ONLY	
3	2	2	5 Rake out 12mm thick expansion joint filler to a depth of 10mm, apply approved primer, insert packing strip and fill with type 2 gungrade polysulphide base joint sealing compound.	m	N/A	RATE ONLY	
4	2	2	TOTAL WATERPROOFING				
4	2	3	SECTION NO. 2	H2			
4	2	3	BILL NO. 3	H2			
4	2	3	ROOF COVERING	H2			
4	2	3	PREAMBLES				
4	2	3	Tenderers are to refer to the Model Preambles for Trades (Latest Edition) and Supplementary Preambles for further description and amplification of work in this section				
4	2	3	SUPPLEMENTARY PREAMBLES				
4	2	3	Notes: 1.Tenderers are advised to study the Prasa Norms, Guidelines and Standards (NGS) for Station Facilities and Part B of the Prasa Specifications before pricing this bill				
4	2	3	Straight cutting	H2			
4	2	3	Descriptions of all roof coverings are deemed to include for all straight cutting				
4	2	3	PROFILED SHEETING OF METAL, FIBRE-CEMENT, PLASTICS, ETC.	H2			
4	2	3	Roof slates, manufactured in accordance with SANS 803:2005, size 610 x 406 x 7mm thick, fixed at a pitch of 30°, each slate twice nailed with 63 x 2,5mm copper clout nail to sawn softwood battens at 250mm centres, fixed to trusses with slates fastened together with copper disc rivets.	H3			
4	2	3	1 Roof coverings, etc.	m²	100% Cement Product	RATE ONLY	
4	2	3	Flashings, etc.:	H3			
4	2	3	2 flashing.	m	100% Steel Products	RATE ONLY	
4	2	3	3 Ridge cappings.	m	100% Cement Product	RATE ONLY	
4	2	3	ROOF INSULATION	H2			
4	2	3	Fibreglass reinforced aluminium foil faced resin bonded glass fibre flexible insulation with galvanised straining wires fixed in strict accordance with the manufacturer's instructions:	H3			
4	2	3	100mm Thick fibreglass roof insulation laid taut over purlins (purlins at approximately 1100mm centres) with minimum 100mm side laps and fixed concurrent with roof covering including galvanised steel straining wires, etc.	m²	N/A	RATE ONLY	
4	2	3	TOTAL ROOF COVERING				
3	2	4	SECTION NO. 2	H2			
4	2	4	BILL NO. 4	H2			
4	2	4	CARPENTRY AND JOINERY	H2			
4	2	4	PREAMBLES				
4	2	4	Tenderers are to refer to the Model Preambles for Trades (Latest Edition) and Supplementary Preambles for further description and amplification of work in this section				
4	2	4	SUPPLEMENTARY PREAMBLES				
4	2	4	Notes: 1.Tenderers are advised to study the Prasa Norms, Guidelines and Standards (NGS) for Station Facilities and Part B of the Prasa Specifications before pricing this bill	H2			
4	2	4	Straight cutting				
4	2	4	Descriptions of all roof coverings are deemed to include for all straight cutting				
4	2	4	DOORS, ETC.	H2			
5	2	4	2 Panel door with bolection mouldopen inward, overall size 1 612 x 2032mm high.Guarantee: 10-year.Application: Semi-exterior, Door: 2 Panel door with bolection mould (Code: SD16/1612/OI), Door width: 1612mm, Door height: 2032mm.	H3			
5	2	4	1 Door size overall 1 612 x 2032mm high. (DR100)	No	N/A	RATE ONLY	
5	2	4	6 Panel door, overall size 813 x 2032mm high. Door range: Guarantee: 1-year, Application: Semi-exterior,Door: 6 Panel door,Door width: 813mm,Door height: 2032mm. (frames elsewhere):	H3			
5	2	4	2 Door size overall 813 x 2032mm high. (DR101)	No	N/A	RATE ONLY	
5	2	4	FINANCIAL PROVISIONS	H2			
5	2	4	3 Allow the amount of R 5,000.00 for Joinery Work. This work shall be measured on completion and priced at agreed rates.	Item	N/A	RATE ONLY	5000
5	2	4	TOTAL CARPENTRY AND JOINERY				

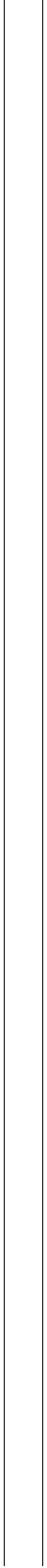
5	2	5	SECTION NO. 2	H2				
5	2	5	BILL NO. 5	H2				
5	2	5	CEILINGS, PARTITIONS AND ACCESS FLOORING	H2				
5	2	5	PREAMBLES					
5	2	5	Tenderers are to refer to the Model Preambles for Trades (Latest Edition) and Supplementary Preambles for further description and amplification of work in this section					
5	2	5	SUPPLEMENTARY PREAMBLES					
5	2	5	Notes: 1.Tenderers are advised to study the Prasa Norms, Guidelines and Standards (NGS) for Station Facilities and Part 8 of the Prasa Specifications before pricing this bill					
5	2	5	Descriptions					
5	2	5	Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins or shot pinned to brickwork or concrete					
5	2	5	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 are measured elsewhere					
5	2	5	Proprietary suspended ceilings					
5	2	5	CEILING TIMBERS, BEADS, INSULATION, ETC	H2				
5	2	5	SOFT CEILING	H2				
5	2	5	30mm closed tongue & amp; groove nail up ceiling, with Mineral natural facing, fixed at right angles to 38 x 38mm timber brandering fixed to tie beams at 700mm centres, using concealed clips at 900mm centres. Side lap shall be interlocking joint using the tongue and groove lap. Ceiling perimeter to be finished using polystyrene cornice (elsewhere specified) and prepared for decoration, all in accordance with the manufacturer's recommendations.Application: nail up ceiling, Board thickness: 30mm,Board facing: Mineral natural,R-value: 1.25,Core density: 34kg/m³.Paint with Matt paint(colour to be selected) to new interior gypsum ceiling boards. Surface to be clean, dry and dust free with a moisture content of less than 12%. Prime surface with one coat Plaster Primer with an overcoating time of 4 hours and finish with two coats Matt paint with an overcoating time of 4 hours.	H3				
5	2	5	1 On ceiling.	m²	N/A		RATE ONLY	
5	2	5	2 On cornices.	m	N/A		RATE ONLY	
5	2	5	TOTAL CEILINGS, PARTITIONS AND ACCESS FLOORING					
5	2	6	SECTION NO. 2	H2				
5	2	6	BILL NO. 6	H2				
5	2	6	IRONMONGERY	H2				
5	2	6	PREAMBLES					
6	2	6	Tenderers are to refer to the Model Preambles for Trades (Latest Edition) and Supplementary Preambles for further description and amplification of work in this section					
6	2	6	SUPPLEMENTARY PREAMBLES					
6	2	6	Notes: 1.Tenderers are advised to study the Prasa Norms, Guidelines and Standards (NGS) for Station Facilities and Part 8 of the Prasa Specifications before pricing this bill					
6	2	6	Finishes to ironmongery					
6	2	6	Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list: BS Satin bronze lacquered CH Chromium plated SC Satin chromium plated SE Silver enamelled GE Grey enamelled AS Anodised silver AB Anodised bronze AG					
6	2	6	HINGES, BOLTS, ETC.	H2				
6	2	6	Stainless steel:	H3				
6	2	6	1 100mm Butt hinges.	No	100% Steel Products		RATE ONLY	
6	2	6	LOCKS	H2				
6	2	6	Stainless steel:	H3				
6	2	6	2 Cylinder sash lock with stainless steel forend.	No	N/A		RATE ONLY	
6	2	6	3 WC indicator cylinder sash lock with stainless steel forend and indicator.	No	N/A		RATE ONLY	
6	2	6	HANDLES	H2				
6	2	6	Natural Anodised Aluminium:	H3				
6	2	6	4 Lever handle with rose.	No	N/A		RATE ONLY	
6	2	6	5 Tubular spring loaded pull handle on and including cylinder backplate.	No	N/A		RATE ONLY	
6	2	6	DOOR CLOSERS	H2				
6	2	6	5 Standard overhead door closer in accordance with SABS 1510 with adjustable closing force strength 2-4, adjustable arm, etc.	No	100% Steel Products		RATE ONLY	
6	2	6	SIGNAGE	H2				
6	2	6	6 150 x 150 x 3mm thick stainless steel pictogram sign with ""Toilet""	No	100% Steel Products		RATE ONLY	
6	2	6	BATHROOM FITTINGS	H2				
6	2	6	1,2/1,5mm thick satin finished stainless steel automatic hands free hand dryer size 280 x 207 x 245mm high with 2 vandal proof lock screws and key wrench, plugged and screwed to the wall with stainless steel 7 screws, 200 W motor connected to 230/240 volt power supply. With 5 year warranty.	No	100% Steel Products		RATE ONLY	
6	2	6	8 Stainless Steel Toilet Tissue Dispenser, overall size 130 x 135 x 256mm high, installed by a installation team.	No	100% Steel Products		RATE ONLY	
6	2	6	SUNDRIES	H2				
6	2	6	9 Floor mounted door stop.	No	100% Steel Products		RATE ONLY	
6	2	6	FINANCIAL PROVISIONS	H2				
6	2	6	The items described hereunder cover work which is not fully defined at tender stage and which is intended to be executed by the Contractor and/or his Sub-Contractors. The amounts shown shall be used as directed by the Representative/ Agent and shall be deducted in whole or in part if not required.					
6	2	6	10 Allow the amount of R 5 000.00 (Thirty Thousand Rand) for installation of Fittings not specified.	Item	N/A		RATE ONLY	5000
6	2	6	TOTAL IRONMONGERY					
6	2	7	SECTION NO. 2	H2				
6	2	7	BILL NO. 7	H2				
5	2	7	METALWORK	H2				
6	2	7	PREAMBLES					
7	2	7	Tenderers are to refer to the Model Preambles for Trades (Latest Edition) and Supplementary Preambles for further description and amplification of work in this section					
7	2	7	SUPPLEMENTARY PREAMBLES					
7	2	7	Notes: 1.Tenderers are advised to study the Prasa Norms, Guidelines and Standards (NGS) for Station Facilities and Part 8 of the Prasa Specifications before pricing this bill					
7	2	7	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	H2				
7	2	7	PRESSED STEEL DOOR FRAMES	H2				
7	2	7	1,6mm Thick Single rebated frames suitable for half brick walls complete with hoop iron anchors welded to frame, one adjustable stainless steel striking plate suitable for cylinder locks, three rubber shock absorbers in rebate and one pair of 100mm standard heavy duty brass butt hinges welded to frame:	H3				
7	2	7	1 Frame for door size 813 x 2032mm high.	No	100% Steel Products		RATE ONLY	
7	2	7	1,6mm Thick Single rebated frames suitable for one brick walls complete with hoop iron anchors welded to frame, one adjustable stainless steel striking plate suitable for cylinder locks, three rubber shock absorbers in rebate and one pair of 100mm standard heavy duty brass butt hinges welded to frame:	H3				
7	2	7	2 Frame for door size 813 x 2032mm high.	No	100% Steel Products		RATE ONLY	
7	2	7	1,6mm Thick Single rebated frames suitable for one and half brick walls complete with hoop iron anchors welded to frame, one adjustable stainless steel striking plate suitable for cylinder locks, three rubber shock absorbers in rebate and one pair of 100mm standard heavy duty brass butt hinges welded to frame:	H3				

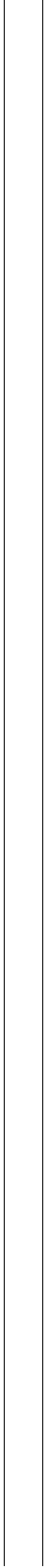
7	2	7	3	Frame for door size 1 612 x 2032mm high.	No	100% Steel Products	RATE ONLY	
7	2	7		STEEL WINDOWS	H2			
7	2	7		Standard residential type steel windows with burglar bars to fixed and opening sections:	H3			
7	2	7	4	Steel windows with burglar bars (On Various sizes, window schedule by the architect to be available during construction stage)	No	100% Steel Products	RATE ONLY	
7	2	7		FINANCIAL PROVISIONS	H2			
7	2	7		The items described hereunder cover work which is not fully defined at tender stage and which is intended to be executed by the Contractor and/or his Sub-Contractors. The amounts shown shall be used as directed by the Representative/ Agent and shall be deducted in whole or in part if not required.				
7	2	7	5	Allow the amount of R 20,000.00 metalwork not specified. This work shall be measured on completion and priced at agreed rates.	Item	100% Steel Products	RATE ONLY	
7	2	7		TOTAL METALWORK				
7	2	8		SECTION NO. 2	H2			
7	2	8		BILL NO. 8	H2			
7	2	8		PLASTERING	H2			
7	2	8		PREAMBLES				
7	2	8		Tenderers are to refer to the Model Preambles for Trades (Latest Edition) and Supplementary Preambles for further description and amplification of work in this section				
7	2	8		SUPPLEMENTARY PREAMBLES				
7	2	8		Notes: 1.Tenderers are advised to study the Prasa Norms, Guidelines and Standards (NGS) for Station Facilities and Part 8 of the Prasa Specifications before pricing this bill				
7	2	8		Floor preparation to include grout grinding, levelling and skim coating surface with new mortar ready to receive new screed	H2			
7	2	8		Wall preparation to include grout grinding, levelling and skim coating surface with new mortar ready to receive new plaster/backing				
7	2	8		Screeds on concrete:	H3			
8	2	8	1	All surfaces to be clean and free from oil, dust or shutter release agents and concrete surfaces to be chipped or scarified to remove laitance. Apply epoxy into cavity at one point only to avoid entrapping air. Applied in accordance with approved manufacturer's specifications by approved applicators.	m²	N/A	RATE ONLY	
8	2	8		INTERNAL PLASTER and EXTERNAL PLASTER ON WALLS	H2			
8	2	8		All existing bricks to be cleaned with Brick wash, Acid based detergent, Replace any bricks applicable with 222 x 106 x 73mm, S1 bricks per m² and sealed with brick dressing from manufacturer	H3			
8	2	8	2	Plaster on walls	m²	100% Cement Products	RATE ONLY	
8	2	8	3	In narrow widths.	m²	100% Cement Products	RATE ONLY	
8	2	8		CRACK REPAIRS	H2			
8	2	8		Repairs to non-structural cracks in walls:	H3			
8	2	8	4	Cut a 6mm wide x 15mm deep saw cut above and below the crack and plaster with 5:1 cement mortar to form a v-joint.	m	100% Cement Products	RATE ONLY	
8	2	8		TOTAL PLASTERING				
8	2	9		SECTION NO. 2	H2			
8	2	9		BILL NO. 9	H2			
8	2	9		TILING	H2			
8	2	9		PREAMBLES				
8	2	9		Tenderers are to refer to the Model Preambles for Trades (Latest Edition) and Supplementary Preambles for further description and amplification of work in this section				
8	2	9		SUPPLEMENTARY PREAMBLES				
8	2	9		Notes: 1.Tenderers are advised to study the Prasa Norms, Guidelines and Standards (NGS) for Station Facilities and Part 8 of the Prasa Specifications before pricing this bill				
8	2	9		Descriptions 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	H2			
8	2	9		WALL TILING	H2			
8	2	9		Slate tiles, size 300 x 300mm fixed to internal wall plaster backing with tile adhesive mixed with bonding liquid in lieu of water with diagonal joints continuous in both directions and grouted with tile grout (elsewhere specified), excess grout on the surface to be cleaned with water as work proceeds. Apply natural stone sealer as per manufacturer's recommendations.	H3			
8	2	9	1	On walls.	m²	N/A	RATE ONLY	
8	2	9	2	In splashbacks, etc.	m²	N/A	RATE ONLY	
8	2	9		FLOOR TILING	H2			
8	2	9		Rustic cement wash based tiles, size 600 x 600 x 20mm thick, with 5-8mm diagonal joints continuous in both directions grouted with suitable grout, excess grout on the surface to be cleaned with water as the work proceeds, bedded in a cement slurry on 25-30mm thick semi-dry mortar screed and tamped using a rubber mallet on a 100mm thick concrete surface bed on 150mm subbase, conforming to SANS 12000 M1 degree of Accuracy.	H3			
8	2	9	3	On floors.	m²	N/A	RATE ONLY	
8	2	9	4	100mm High skirting.	m	N/A	RATE ONLY	
8	2	9		CORNER PROTECTORS, DIVIDING STRIPS, ETC.	H2			
8	2	9	5	12mm high aluminium straight trim fixed in strict accordance with the manufacturer's instructions.	m	N/A	RATE ONLY	
8	2	9		TOTAL TILING				
8	2	10		SECTION NO. 2	H2			
9	2	10		BILL NO. 10	H2			
9	2	10		GLAZING	H2			
9	2	10		PREAMBLES				
9	2	10		Tenderers are to refer to the Model Preambles for Trades (Latest Edition) and Supplementary Preambles for further description and amplification of work in this section				
9	2	10		SUPPLEMENTARY PREAMBLES				
9	2	10		Notes: 1.Tenderers are advised to study the Prasa Norms, Guidelines and Standards (NGS) for Station Facilities and Part 8 of the Prasa Specifications before pricing this bill	H2			
9	2	10		GLAZING TO STEEL WITH PUTTY	H2			
9	2	10		Install 4mm clear glazing on all missing and broken casements	H3			
9	2	10	1	Provision of R22 000 for glazing replacement. This work shall be measured on completion and priced at agreed rates. (On Various sizes, window schedule by the architect to be available during construction stage)	Sum	N/A	RATE ONLY	22000
9	2	10		TOPS, SHELVES, MIRRORS, ETC.	H2			
9	2	10		Mirrors to comply with SABS 1236 Class A.	H3			
9	2	10		6mm Silvered float glass copper backed mirrors with polished edges holed for and fixed with chromium plated dome capped mirror screws with rubber buffers to plugs in brickwork or concrete and foam backing strip all round:	H3			
9	2	10	2	Mirror size 600 x 900mm high.	No	N/A	RATE ONLY	
9	2	10		TOTAL GLAZING				
9	2	11		SECTION NO. 2	H2			
9	2	11		BILL NO. 11	H2			
9	2	11		PAINTWORK	H2			
9	2	11		Tenderers are to refer to the Model Preambles for Trades (Latest Edition) and Supplementary Preambles for further description and amplification of work in this section				
9	2	11		SUPPLEMENTARY PREAMBLES				
9	2	11		Notes: 1.Tenderers are advised to study the Prasa Norms, Guidelines and Standards (NGS) for Station Facilities and Part 8 of the Prasa Specifications before pricing this bill				

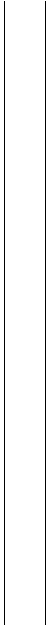
9	2	11	PAINTWORK TO NEW WORK and PREVIOUSLY PAINTED SURFACES	H2				
9	2	11	PAINTWORK	H2				
9	2	11	Approved Quality Matt paint (colour to be selected by architect) to new exterior cement plaster. Surface to be clean, dry and dust free with a moisture content of less than 12%. Prime surface with one coat Plaster Primer with an overcoating time of 4 hours and finish with two coats Matt paint with an overcoating time of 4 hours.	H3				
9	2	11	1 Internal and external plastered walls, columns, recessed bands, etc.	m²	N/A		RATE ONLY	
9	2	11	ON METAL SURFACES	H2				
			Aluminium oleoresinous paint (colour to be selected) to previously decorated solvent based exterior shop primed mild steel.					
			Remove all shop-primer and corrosion products from the steel by means of sand blasting steel to a bright metal condition, and a cleanliness standard of Sa2½ minimum. Prime surface with one coat Primer for Steel with an overcoating time of 18 hours. Apply one coat undercoat with an overcoating time of 18 hours and finish with two coats Aluminium Paint with an overcoating time of 18 hours.					
9	2	11		H3				
9	2	11	2 Door frames and linings.	m²	N/A		RATE ONLY	
9	2	11	3 Windows with burglar bars. (On Various sizes, window schedule by the architect to be available during construction stage)	m²	N/A		RATE ONLY	
9	2	11	TOTAL PAINTWORK					
9	2		BUILDERS WORK SUMMARY					
9	2		1 ALTERATIONS	Page			33	
10	2		2 WATERPROOFING	Page			51	
10	2		3 ROOF COVERING, ETC.	Page			55	
10	2		4 CARPENTRY AND JOINERY	Page			58	
10	2		5 CEILINGS PARTITIONS AND ACCESS FLOORING	Page			64	
10	2		6 IRONMONGERY	Page			68	
10	2		7 METALWORK	Page			72	
10	2		8 PLASTERING	Page			75	
10	2		9 TILING	Page			79	
10	2		10 GLAZING	Page			87	
10	2		11 PAINTWORK	Page			91	
			Sub-Total					
10	2		SUBTOTAL - Carried to Final Summary					

AMOUNT









PAGE NO	SEC NO	BILL NO	Item	Description	Unit	LOCAL CONTENT THRESHOLD	Qty	Rate	Amount
				SECTION NO. 3					
1	3	1	1	1 BILL 1: RETICULATION AND DISTRIBUTION BOARDS					
1	3	1	1.1	Distribution Boards					
1	3	1	1	Distribution boards complete with all MCBs, switchgear, accessories, sheet metal frames, sub-frames, busbars, terminals, wiring, conduit terminations, labelling, fixtures and fittings as specified, with all equipment fitted and equipped in factory all strictly as per schematic diagram.					
1	3	1	1.1.1	(Please note that the distribution board's shop drawing should be submitted to the Engineer for approval prior to manufacture).					
1	3	1	1	DB-A: MLVB	Supply Install	No. No.	N/A	RATE ONLY	
1	3	1	1.1.2	DB-B	Supply Install	No. No.	N/A	RATE ONLY	
1	3	1	1.1.3	DB-C	Supply Install	No. No.	N/A	RATE ONLY	
1	3	1	1.2	Low voltage cables					
1	3	1	1	600/1 000V PVC/PVC/SWA/PVC multi-core copper cable installed in sleeves (sleeves measured elsewhere)					
1	3	1	1.2.1	35mm ² 4 Core	Supply Install	m m	90% Electrical cables	RATE ONLY	
1	3	1	1.2.2	16mm ² 4 Core	Supply Install	m m	90% Electrical cables	RATE ONLY	
1	3	1	1.2.3	10mm ² 4 Core	Supply Install	m m	90% Electrical cables	RATE ONLY	
1	3	1	1.3	Low voltage cable terminations (Lugs, Glands & Shrouds)					
1	3	1	1	Make off and terminate the LV cable, complete with glands and shrouds including connection of cable to equipment terminals					
1	3	1	1.3.1	35mm ² 4 Core	Supply Install	No. No.	90% Electrical cables	RATE ONLY	
1	3	1	1.3.2	16mm ² 4 Core	Supply Install	No. No.	90% Electrical cables	RATE ONLY	
1	3	1	1.3.3	10mm ² 4 Core	Supply Install	No. No.	90% Electrical cables	RATE ONLY	
1	3	1	1.4	Earthing Conductors					
1	3	1	1	Bare stranded copper earth conductor installed in sleeves (sleeves measured elsewhere)					
1	3	1	1.4.1	16mm ²	Supply Install	m m	90% Electrical cables	RATE ONLY	
1	3	1	1.4.2	10mm ²	Supply Install	m m	90% Electrical cables	RATE ONLY	
				Carried forward to next page					
PAGE NO	SEC NO	BILL NO	Item	Description	Unit		Qty	Rate	Amount
				Brought forward from previous page					
2	3	1	1.5	Earthing conductor terminations					
2	3	1	1	Make off and terminate earth conductor, including lugs and connections					
2	3	1	1.5.1	16mm ²	Supply Install	No. No.	90% Electrical cables	RATE ONLY	
2	3	1	1.5.2	10mm ²	Supply Install	No. No.	90% Electrical cables	RATE ONLY	
2	3	1	1.6	Earth Rods					
2	3	1	1	SABS approved copper earth rod					
2	3	1	1.6.1	2400mm long 16mm diameter	Supply Install	No. No.	90% Electrical cables	RATE ONLY	
2	3	1	1.7	Sleeves					
2	3	1	1	High density (or equal and approved) polyethylene (HDPE) sleeve with double wall construction, corrugated outer wall and smooth inner wall finish inclusive of couplers, bends, etc					
2	3	1	1.7.1	110mm diameter	Supply Install	m m	100% HDPE	RATE ONLY	
2	3	1	1.7.2	50mm diameter	Supply Install	m m	100% HDPE	RATE ONLY	
2	3	1	1.8	Draw wires					
2	3	1	1	Draw wire drawn into sleeves and conduits including approximately 300mm slack in boxes, distribution board, etc.					
2	3	1	1.8.1	1.6mm ² Galvanised steel draw wire	Supply Install	m m	90% Electrical cables	RATE ONLY	
2	3	1	1.9	Excavations					
2	3	1	1	All excavations, back filling and compaction must be done manually using local labour					
2	3	1	1	Excavate for cable and sleeve trench including temporary support of sides, keeping excavations dry, backfilling and compacting to the Engineer's specification					
2	3	1	1.9.1	Pickable Soil		m ³	N/A	RATE ONLY	
2	3	1	1.9.2	For Soft Rock		m ³	N/A	RATE ONLY	
2	3	1	1.9.3	For Hard Rock		m ³	N/A	RATE ONLY	
2	3	1	1.9.4	Bedding under and filling around cables comprising sifted sand	Supply Install	m ³ m ³	N/A	RATE ONLY	
2	3	1	1.10	Cable Tape and Markers					
2	3	1	1.10.1	PVC warning marking tape	Supply Install	m m	N/A	RATE ONLY	
2	3	1	1.10.3	Concrete route markers	Supply Install	No. No.	100% Cement	RATE ONLY	
				Carried forward to next page					
PAGE NO	SEC NO	BILL NO	Item	Description	Unit		Qty	Rate	Amount
				Brought forward from previous page					
3	3	1	1.11	Manholes complete with heavy duty trafficable covers					
3	3	1	1.11.1	1000 x 1000 x 800 mm	Supply Install	No. No.	100% Steel Product	RATE ONLY	
3	3	1	1.11.2	600 x 600 x 800 mm	Supply Install	No. No.	100% Steel Product	RATE ONLY	
3	3	1	1.12	Area Lights					
3	3	1	1	Installed and mounted on poles, including poles, excavation to install poles, lamps, 5A circuit breaker and 2 x 2.5mm ² PVC conductors from circuit breaker to luminaire on top of pole.					

3	3	1	1.12.1	Type B26: Surface mounted high pressure die-cast aluminium powder coated body with injection-moulded, high-impact, non-discolouring acrylic diffuser, the diffuser shall be held to the body by four captive stainless steel Allen head screws c/w 2 x 9W LED T5 lamps, 600 lumens, IP65 and electronic control gear.	Supply Install	No. No.	N/A	RATE ONLY		
3	3	1	1.12.2	Type S1: Post top LED luminaire c/w top cover, high pressure powder coated die-cast aluminium base and gear plate, high impact acrylic protector, 55W LED lamp, 6 490 lumens, IP66, electronic control gear and 3.6m galvanised steel pole.	Supply Install	No. No.	N/A	RATE ONLY		
3	3	1	1.13	Galvanised steel conduits						
3	3	1	1.13.1	Galvanised steel conduit including bending, short lengths, draw boxes, cutting,bands, jointing, couplings, saddles and accessories as per SABS 1065. Fixed to surface or laid in or flush mounted in brickwork, dry walls (partitions), concrete, roof space or ceiling void. The rate to allow for the conduit mounting brackets to suspend conduits from concrete slab as would be required in the ceiling void. 20mm	Supply Install	m m	100% Steel Product	RATE ONLY		
3	3	1	1.14	Galvanised boxes						
3	3	1		Surface or flush mounted galvanised boxes with one, two, three or four way or back entry as required, including fixing to conduit with the necessary locknuts, adaptors, bushes, etc., installed chased in brickwork, on surface in ceiling or cast in concrete, excluding coverplates.						
3	3	1	1.14.1	20mm	Supply Install	No. No.	100% Steel Product	RATE ONLY		
Carried forward to next page										
PAGE NO	SEC NO	BILL NO	Item	Description		Unit		Qty	Rate	Amount
Brought forward from previous page										
4	3	1	1.15	PVC insulated conductors						
4	3	1		600/1000V PVC insulated conductors drawn into conduit or installed in wiring channel including conductor identification labels, terminating, etc.						
4	3	1	1.15.1	2.5 mm ²	Supply Install	m m	90% Electrical cables	RATE ONLY		
4	3	1	1.16	Bare copper earth conductors						
4	3	1		Earth conductors drawn into conduit or installed in wiring channel including conductor identification labels, terminating, etc.						
4	3	1	1.16.1	2.5 mm ²	Supply Install	m m	90% Electrical cables	RATE ONLY		
4	3	1	1.17	Photocell						
4	3	1		Photocell installed in a suitably sized rectangular bulkhead luminaire housing with clear UV stabilised high impact acrylic lens and labelling as specified						
4	3	1	1.17.1	16A, 230V, Photocell	Supply Install	No. No.	N/A	RATE ONLY		
4	3	1	1.18	Testing and commissioning						
4	3	1	1.18.1	Testing and commissioning of the works covered within this bill.		Item	N/A	RATE ONLY		
Carried forward to Summary Page										
PAGE NO	SEC NO	BILL NO	Item	Description		Unit		Qty	Rate	Amount
5	3	2	2	BILL 2: BUILDING BLOCKS - ELECTRICAL INSTALLATIONS						
5	3	2	2.1	PVC conduits						
5	3	2		PVC conduit including bending, short lengths, draw boxes, cutting,bands, jointing, couplings, saddles and accessories as per SABS 1065. Fixed to surface or laid in or flush mounted in brickwork, dry walls (partitions), concrete, roof space or ceiling void. The rate to allow for the conduit mounting brackets to suspend conduits from concrete slab as would be required in the ceiling void.						
5	3	2	2.1.1	20mm	Supply Install	m m	100% PVC Product	RATE ONLY		
5	3	2	2.1.2	25mm	Supply Install	m m	100% PVC Product	RATE ONLY		
5	3	2	2.2	PVC round boxes						
5	3	2		Surface or flush mounted 60mm deep PVC conduit round boxes with one, two, three or four way or back entry as required, including fixing to conduit with the necessary locknuts, adaptors, bushes, etc., installed in brickwork, on surface in ceiling void or cast in concrete inclusive of coverplates, where necessary.						
5	3	2	2.2.1	20mm	Supply Install	No. No.	100% PVC Product	RATE ONLY		
5	3	2	2.2.2	25mm	Supply Install	No. No.	100% PVC Product	RATE ONLY		
5	3	2	2.3	Galvanised boxes						
5	3	2		Surface or flush mounted galvanised boxes with one, two, three or four way or back entry as required, including fixing to conduit with the necessary locknuts, adaptors, bushes, etc., installed chased in brickwork, on surface in ceiling or cast in concrete, excluding coverplates.						
5	3	2	2.3.1	100 x 50 x 50mm	Supply Install	No. No.	100% Steel Product	RATE ONLY		
5	3	2	2.3.2	100 x 100 x 50mm	Supply Install	No. No.	100% Steel Product	RATE ONLY		
5	3	2	2.4	Cable Ladders and Trays						
5	3	2		Heavy Duty Galvanised Cable Ladders and Trays complete with cantilever hangers or suspension rods complete with all joints, bends, tees, splicing etc as specified on the Drawings and the Quality Specifications.						
5	3	2	2.4.1	150mm wide cable ladder	Supply Install	m m	100% Steel Product	RATE ONLY		
5	3	2	2.4.2	200mm wide cable ladder	Supply Install	m m	100% Steel Product	RATE ONLY		
5	3	2	2.4.3	300mm wide wiremesh cable tray	Supply Install	m m	100% Steel Product	RATE ONLY		
Carried forward to next page										
PAGE NO	SEC NO	BILL NO	Item	Description		Unit		Qty	Rate	Amount
Brought forward from previous page										
6	3	2	2.5	PVC insulated conductors						
6	3	2		600/1000V PVC insulated conductors drawn into conduit or installed in wiring channel including conductor identification labels, terminating, etc.						
6	3	2	2.5.1	2.5 mm ²	Supply Install	m m	90% Electrical cables	RATE ONLY		
6	3	2	2.5.2	4.0 mm ²	Supply Install	m m	90% Electrical cables	RATE ONLY		
6	3	2	2.6	Insulated earth conductors						
6	3	2		Earth conductors drawn into conduit or installed in wiring channel including conductor identification labels, terminating, etc.						
6	3	2	2.6.1	2.5 mm ²	Supply Install	m m	90% Electrical cables	RATE ONLY		
6	3	2	2.7	Bare copper earth conductors						

9	3	2	Joint between dissimilar materials to be done by crimping lugs on the two types of materials and bond the lugs with M6 20mm long brass bolts, nuts and washers.							
9	3	2	Earth electrodes to be extensible copper clad steel rods 12mm diameter and 1500mm long driven into the ground to a depth of not less than 600mm below finished ground level.							
9	3	2	Bonding between stranded copper conductors and earth electrodes to be done by CAD weld method. Bonding to steel reinforcing to be done with a U clamp, the copper conductor to be equipped with a lug.							
9	3	2	Test points to be created between down conductors and earth electrode conductors equipped with lugs and bonded with M6 20mm long brass bolts, nuts and washers.							
9	3	2	Site survey to be done prior to the installation and the soil resistivity shall be measured, the prevailing site conditions checked and a proposal submitted to the Engineer regarding the type of earthing.							
9	3	2	Draw boxes, conduits equipped with draw wire placed in position for casting into concrete or screed, for building in or chased into concrete or brickwork and for surface mounted in ceiling voids including bending, threading, jointing, short lengths, draw boxes, couplings, bends, tees and saddles, etc. as specified.							
9	3	2	2.18.1	Conduct soil resistivity tests and submit results	Item	N/A		RATE ONLY		
9	3	2	2.18.2	32mm diameter PVC conduit built into brickwork/ installed in ground	Supply Install	m m	100% PVC Products	RATE ONLY		
9	3	2	2.18.3	70mm ² PVC insulated copper down conductor	Supply Install	m m	90% Electrical cables	RATE ONLY		
9	3	2	2.18.4	70mm ² bare stranded copper conductor installed in ground	Supply Install	m m	90% Electrical cables	RATE ONLY		
				Carried forward to next page	Unit			Qty	Rate	Amount
PAGE NO	SEC NO	BILL NO	Item	Description						
10	3	2	2.18.5	Brought forward from previous page						
				Test points between down conductor and earth electrode conductor installed complete with lugs, bolts, nuts and washers as specified.	Supply Install	No. No.	N/A	RATE ONLY		
10	3	2	2.18.6	Bonding of down conductors to roof sheetings installed complete with lugs, bolts, nuts and washers as specified.	Supply Install	No. No.	N/A	RATE ONLY		
10	3	2	2.18.7	Bonding of earth electrode conductors to earth electrodes installed complete with CAD weld, lugs, bolts, nuts and washers as specified.	Supply Install	No. No.	N/A	RATE ONLY		
10	3	2	2.18.8	12mm diameter 1500mm long extensible earth electrode complete installed 600mm below finished ground level	Supply Install	No. No.	90% Electrical cables	RATE ONLY		
10	3	2	2.18.9	25mm x 3mm copper tape	Supply Install	m m	90% Electrical cables	RATE ONLY		
10	3	2	2.18.10	8mm ² solid aluminium conductor	Supply Install	m m	90% Electrical cables	RATE ONLY		
10	3	2	2.18.11	Air discharge copper conductor	Supply Install	No. No.	90% Electrical cables	RATE ONLY		
10	3	2	2.18.12	Connection/test terminal on column inclusive of termination materials	Supply Install	No. No.	N/A	RATE ONLY		
10	3	2	2.18.13	Allow for any other cost you may deem necessary to complete the installation of the lightning protection system.	Item		N/A	RATE ONLY		
10	3	2	2.18.14	Testing and Commissioning	Sum		N/A	RATE ONLY		
10	3	2	2.18.15	Issue earth resistance test certificate	Sum		N/A	RATE ONLY		
PAGE NO	SEC NO	BILL NO	Item	Description						Amount
				SUMMARY						
11	3	1	1	BILL 1: RETICULATION AND DISTRIBUTION BOARDS						0
11	3	2	2	BILL 2: BUILDING BLOCKS - ELECTRICAL INSTALLATIONS						0
				FINAL SUMMARY: BUILDING WORKS (EXCLUDING VAT)						0

PAGE NO	SEC NO	BILL NO	Item	Description	Unit	LOCAL CONTENT THRESHOLD	Qty	Rate	Amount
1	4	1		BILL 1 - HOT AND COLD WATER INSTALLATION					
1	4	1		ITEMS IN RED WERE ADDED AFTER TENDER FOR FULL FUNCTIONALITY					
1	4	1		All rates supplied in this bill of quantities will be deemed to include scaffolding to any height and fixing of cold and hot water pipes up to and including roof height.					
1	4	1		All pipes shall be deemed to include in the rates all necessary hanger brackets, threaded rod (irrespective of the suspension length), nuts, washers, anchors and drilling of holes in the concrete slab.					
1	4	1	1	Cold and Hot Water Piping					
1	4	1	1.1	Supply, deliver, install and pressure test of copper Class 0 SANS 460 piping c/w consumables, supports, hangers, anchors, etc	m	N/A		RATE ONLY	
1	4	1	1,1,1	Dia. 15mm pipe	m	N/A		RATE ONLY	
1	4	1	1,1,2	Dia. 22mm pipe					
1	4	1	1.2	Supply, deliver, install and pressure test of HDPE piping c/w consumables, fittings and supports					
1	4	1	1.2.1	Dia. 75mm pipe	m	100% HDPE		RATE ONLY	
1	4	1		Carry forward to next page					
				Carried forward from the previous page					
1	4	1	2	Isolating Valves					
1	4	1	2.1	Dia. 15mm	No	70% Gate valve		RATE ONLY	
1	4	1	2.2	Dia. 22mm	No	70% Gate valve		RATE ONLY	
1	4	1	3	Non-Return Valves					
1	4	1	3.1	Dia.75mm	No	70% PRV		RATE ONLY	
1	4	1	4	Pressure Reducing Valve (Adjustable)					
1	4	1	4.1	Dia. 75mm, with gauge	No	70% PRV		RATE ONLY	
1	4	1	5	Extra over copper pipework as follows:					
1	4	1	5.1	Tee's					
1	4	1	5,1,1	Dia. 15mm Equal Tee	No	N/A		RATE ONLY	
1	4	1	5,1,2	Dia. 22mm Equal Tee	No	N/A		RATE ONLY	
1	4	1	6	Elbows					
1	4	1	6,1,1	Dia. 15mm 90° elbow	No	N/A		RATE ONLY	
1	4	1	6,1,2	Dia. 22mm 90° elbow	No	N/A		RATE ONLY	
1	4	1							
1	4	1	7	Testing and commissioning of the entire system	Sum	N/A		RATE ONLY	
1	4	1	8	Allow for submission of workshop drawings, technical data sheets and as-built drawings for approval	Sum	N/A		RATE ONLY	
				Carry forward to summary					

PAGE NO	SEC NO	BILL NO	Item Description	Unit	LOCAL CONTENT THRESHOLD	Qty	Rate	Amount
			BILL 2 - FIRE PROTECTION					
			Tenderers are referred to the specification and drawings numbered annexed to these bills of quantities for the mechanical work, for the full descriptions of the following items which are to be read and priced in conjunction with the said specification and drawings. All Fire Protection Equipment, including portable extinguishers, hose reels, hydrants and compliance to SANS 10400.					
1	4	2	Fire Protection Services shall be as per relevant specifications, schedules, scope of works, drawings and technical information.					
1	4	2	Fire Protection equipment offered shall generally be of a good quality standard and shall be approved.					
1	4	2	The engineer and/or Client will authorize the installation as well as ordering equipment by way of signing off each pre-defined building area's audit and scope of works report					
1	4	2	3 Fire Fighting Equipment					
			Supply, deliver and install the following					
			Fire extinguisher	No.	N/A		RATE ONLY	
1	4	2	1.1 4.5kg DCP with backing boards	No.	100% Steel Products		RATE ONLY	
1	4	2	3.2 Photoluminescent signage	Sum				
			Fire hose reels					
1	4	2	3.3 25mm x 30mL fire hose reels	No.	N/A		RATE ONLY	
1	4	2	3.4 Photoluminescent signage	Sum	100% Steel Products		RATE ONLY	
			Fire hydrant					
1	4	2	3.5 65mm fire hydrant complete with boosters and valves	No.	Fire Hydrants		RATE ONLY	
1	4	2	3.6 Photoluminescent signage	Sum	100% Steel Products		RATE ONLY	
1	4	2	4 Piping					
			Supply, deliver and install pipework complete with supports and accessories:					
			Medium grade, seamless galvanised mild steel	m	100% Steel Products		RATE ONLY	
1	4	2	4.1 25mm dia piping including painting	m	100% Steel Products		RATE ONLY	
1	4	2	4.2 65mm dia piping including painting	m	100% Steel Products		RATE ONLY	
			HDPE class 16					
1	4	2	4.3 110mm dia piping	m	100% HDPE		RATE ONLY	
			Carry forward to next page					
			Carried forward from the previous page					
2	4	2	5 Extra over pipework as follows:					
			90 Degree Bends					
2	4	2	5.1 25mm dia galvanised	No.	100% Steel Products		RATE ONLY	
2	4	2	5.2 65mm dia galvanised	No.	100% Steel Products		RATE ONLY	
2	4	2	5.3 25mm dia HDPE	No.	100% HDPE		RATE ONLY	
2	4	2	5.4 75mm dia HDPE	No.	100% HDPE		RATE ONLY	
			Reducers					
2	4	2	5.5 75mm to 65mm dia	No.	100% Steel Products		RATE ONLY	
2	4	2	5.6 110mm to 25mm dia HDPE	No.	100% HDPE		RATE ONLY	
2	4	2	5.7 110mm to 75mm dia HDPE	No.	100% HDPE		RATE ONLY	
			Tees					
2	4	2	5.8 110x110x110mm dia HDPE	No.	100% HDPE		RATE ONLY	
2	4	2	5.9 110x110x75mm dia HDPE	No.	100% HDPE		RATE ONLY	
2	4	2	5.1 110x110x55mm dia HDPE	No.	100% HDPE		RATE ONLY	
2	4	2	6 Valves					
			Supply, deliver and install the following complete:					
2	4	2	6.1 110mm dia isolation valves	No.	70% Gate valve		RATE ONLY	
2	4	2	6.2 65mm dia isolation valves	No.	70% Gate valve		RATE ONLY	
2	4	2	6.3 25mm dia isolation valves	No.	70% Gate valve		RATE ONLY	
2	4	2	6.4 110mm non-return valves	No.	70% PRV		RATE ONLY	
2	4	2	6.5 110mm strainers	No.				
2	4	2	6.6 110mm adjustable pressure reducing valve	No.	70% PRV		RATE ONLY	
2	4	2	7 Fire alarm and suppression system	Sum	N/A		RATE ONLY	
2	4	2	8 Fire Detection	Sum	N/A		RATE ONLY	
			150 x 150mm hef F13 /F14 /F15 /F16 /F17 /F18 /F19 /F20 /F21 /F31 /F27 /E1 /E2 /E3 /E6 /E10 /E29 /FV7 /F41 anodised aluminiumplate with fire ext,	Sum	100% Steel Products		RATE ONLY	
2	4	2	9 fire alarms, fire extinguisher, fire hose reel or fire hydrant symbols	Sum	100% Steel Products		RATE ONLY	
2	4	2	10 Allow for trenching 1m deep by 500mm wide for fire connection points to ring main piping	m	N/A		RATE ONLY	
2	4	2	11 Fire doors					
			Supply, deliver and install the following complete:					
2	4	2	11 Class A fire doors, 60min fire rating with weather seal and self-closing, single	No	N/A		RATE ONLY	
2	4	2	12 Allow for submission of workshop drawings, technical data sheets and as-built drawings for approval	Sum	N/A		RATE ONLY	
			Carry forward to summary					

PAGE NO	SEC NO	BILL NO	Item	Description	Unit	LOCAL CONTENT THRESHOLD	Qty	Rate	Amount
				BILL 3 - BUILDING DRAINAGE RETICULATION					
				All pipes shall be deemed to include in the rates all necessary adaptors, couplers, brackets, reducers, expansion sockets, couplings necessary in joining of pipes and drilling of holes in the concrete slab and walls.					
1	4	3							
1	4	3	1	Piping					
				Supply, deliver and install soil and waste drainage piping. PVC pipe fixed vertically or horizontally on any structure i.e concrete or brick walls etc.					
1	4	3	1.1	50mm PVC SV SABS pipes	m	100% PVC Products		RATE ONLY	
1	4	3	1.2	110mm PVC SV SABS pipe	m	100% PVC Products		RATE ONLY	
1	4	3	2	Extra over pipework					
				Supply, deliver and install soil and waste pipe fittings, junctions, bends, etc complete with rodding eye, pan connectors, branches, etc.					
1	4	3	2.1	110mmx45° PVC UG L/Hand IE junction	No	100% PVC Products		RATE ONLY	
1	4	3	2.2	110mmx45° PVC UG plain bend	No	100% PVC Products		RATE ONLY	
1	4	3	2.3	110mmx45° R/Hand IE junction	No	100% PVC Products		RATE ONLY	
1	4	3	2.4	110mmx45° ABC PVC UG IE end (RE)	No	100% PVC Products		RATE ONLY	
1	4	3	2.5	110mm PVC P trap gully + overflow	No	100% PVC Products		RATE ONLY	
1	4	3	2.6	Dish gully tops	No	100% PVC Products		RATE ONLY	
1	4	3	2.7	110mm PVC UG gully hopper heads	No	100% PVC Products		RATE ONLY	
1	4	3	2.8	50mmx45° PVC SV IE bends	No	100% PVC Products		RATE ONLY	
1	4	3	2.9	110mmx90° PVC UP plain bend	No	100% PVC Products		RATE ONLY	
1	4	3	2.1	110mmx90° PVC SV IE bend	No	100% PVC Products		RATE ONLY	
1	4	3	2.1	110mmx110mm PVC SV IE junction	No	100% PVC Products		RATE ONLY	
1	4	3	2.1	110mm 2 way vent valve	No	100% PVC Products		RATE ONLY	
1	4	3	2.1	110mmx50mm PVC SV horn bend	No	100% PVC Products		RATE ONLY	
1	4	3	2.1	50mm 2 way vent valves	No	100% PVC Products		RATE ONLY	
1	4	3	2.2	110mmx45° PVC UG plain junction	No	100% PVC Products		RATE ONLY	
1	4	3	2.2	50mmx90° PVC SV plain junction	No	100% PVC Products		RATE ONLY	
1	4	3	2.2	50mmx90° PVC SV plain bends	No	100% PVC Products		RATE ONLY	
1	4	3	2.2	50mmx90° PVC SV IE bends	No	100% PVC Products		RATE ONLY	
1	4	3	2.2	50mmx90° PVC SV IE junction	No	100% PVC Products		RATE ONLY	
1	4	3	2.2	600mmx600mm concrete surrounds frames & cover (heavy duty)	No	100% Cement		RATE ONLY	
1	4	3	2.2	Manholes, 1200mmLx 750mmWx1000mmDepth	No	100% Cement		RATE ONLY	
1									
				Pressure testing of entire piping system in accordance with the requirements as set out in 10252-2. All pipes need to be pressure tested, documented and signed-off by main contractor, quality assurance offices, project engineer, etc	Sum	N/A		RATE ONLY	
1	4	3	4	Allow for submission of workshop drawings, technical data sheets and as-built drawings for approval	Sum	N/A		RATE ONLY	
				Carry forward to summary					

PAGE NO	SEC NO	Bill No	Description	Amount
1	3	1	BILL 1 - HOT AND COLD WATER INSTALLATION	
1	3	2	BILL 2 - FIRE PROTECTION	
1	3	3	BILL 3 - BUILDING DRAINAGE RETICULATION	
			Total excluding VAT	

TOTAL AMOUNT CARRIED TO FINAL SUMMARY

PAGE NO	SEC NO	BILL NO	ITEM NO	DESCRIPTION	UNIT	LOCAL CONTENT THRESHOLD	QUANTITY	RATE	AMOUNT
1	5	1		SECTION NO. 5	H2				
1	5	1		BILL NO. 1	H2				
1	5	1		PROVISIONAL SUMS	H2				
1	5	1		The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2008 Edition)	H2				
1	5	1		Under no circumstances may any Provisional Sum or P.C Item be altered.					
1	5	1		Unless a specific percentage mark up for attendance is indicated in the rate column, the amounts priced by the contractor for attendance against each Provisional Sum shall be deemed to be Lump Sum and shall not be adjusted unless the scope of the sub-contract varies significantly.					
1	5	1		Provisional Sums contained herein may be omitted or reduced at the employer's sole discretion and the contractor shall not be entitled to claim for any loss by way of reductions or omissions of any discount, or percentage relating to the Provisional Sums pr P.C Amounts or any loss of profit related thereto.					
1	5	1		BUDGETARY ALLOWANCES : SUNDRY BUILDERS WORK ITEMS NOT MEASURABLE OR IDENTIFIABLE AT TENDER STAGE	H2				
1	5	1	1	Allow a sum of R126 500.00 for builderswork in connection with services	Item	N/A	1	126500	126500
1	5	1		ALLOW THE FOLLOWING PROVISIONAL SUMS	H2				
1	5	1		HVAC INSTALLATION	H3				
1	5	1	2	Provide the amount of R60 000.00 for Heat Pump Split Units installed complete.	Item	N/A	1	60000	60000
1	5	1	3	Profit on above item.	%/T	N/A			0
1	5	1	4	Attendance on ditto.	%/T	N/A			0
1	5	1		SANITARY FITTINGS	H3				
1	5	1	5	Provide the amount of R150 000.00 for Sanitary fittings installed complete.	Item	N/A	1	150000	150000
1	5	1	6	Profit on above item.	%/T	N/A			0
1	5	1	7	Attendance on ditto.	%/T	N/A			0
1	5	1		JOINERY FITTINGS	H3				
1	5	1	8	Provide the amount of R88 800.00 for Joinery fittings installed complete.	Item	N/A	1	88800	88800
1	5	1	9	Profit on above item.	%/T	N/A			0
1	5	1	10	Attendance on ditto.	%/T	N/A			0
1	5	1		EXTERNAL CIVIL SERVICES INSTALLATION	H3				
1	5	1	11	Provide the amount of R910 000.00 for External Civil Services complete.	Item	N/A	1	910000	910000
1	5	1	12	Profit on above item.	%/T	N/A			0
1	5	1	13	Attendance on ditto.	%/T	N/A			0
1	5	1		PERIMETER WALLING & FENCING	H3				
1	5	1	14	Provide the amount of R420 000.00 for Perimeter walling and fencing complete.	Item	100% Steel Product	1	420000	420000
1	5	1	15	Profit on above item.	%/T	N/A			0
1	5	1	16	Attendance on ditto.	%/T	N/A			0
1	5	1		DIRECTIONAL SIGNAGE	H3				
1	5	1	17	Provide the amount of R150 000.00 for Directional Signage complete.	Item	100% Steel Product	1	150000	150000
1	5	1	18	Profit on above item.	%/T	N/A			0
1	5	1	19	Attendance on ditto.	%/T	N/A			0
1	5	1		APPOINTMENT OF CONSULTANTS	H3				
				Allow a provisional amount of R900 000.00 for the appointment of consultants i.e. Architect, Civil&Structural Engineer, Electrical& Mechanical Engineer and Health&Safety Consultants. Consultants must be professionally registered with their relevant professional bodie e.g ECCSA, SACPCMP, SACAP. Consultants must also have a professional indemnity insurance of R1m per consultant. Professional fees will be adjusted at R225 000.00 per consultant.					
1	5	1	20		Sum		1	900000	900000
1	5	1	21	Profit on above item.	%/T				0
1	5	1	22	Attendance on ditto.	%/T				0
1	5	1		TOTAL PROVISIONAL SUMS					0
1	5			FINAL SUMMARY					
1	5		1	PRELIMINARIES					0
1	5		2	BUILDING WORK (TOTAL)					0
				MAIN BUILDING					0
1	5		3	ELECTRICAL & MECHANICAL ENGINEER				RATE PER HOUR	0
1	5		4	CIVIL & STRUCTURAL ENGINEER				RATE PER HOUR	0
1	5		5	ARCHITECT				RATE PER HOUR	0
			6	HEALTH & SAFETY CONSULTANT				RATE PER HOUR	0
1	5			Sub-Total					0
2	5			Contingency @7.5%					0
2	5			SUBTOTAL	ST				0
2	5			Value Added Tax (15%)	TAX		0.15		0
2	5			Total carried to form of tender	ST				0