

Item No	Quantity	Rate	Amount
<u>SECTION NO. 1</u>			
<u>BILL NO. 1</u>			
<u>PRELIMINARIES (CPAP Work Group No.190 Unless Otherwise Stated)</u>			
<u>MEANING OF TERMS "TENDER / TENDERER"</u>			
Any reference to the words "Tender" or Tenderer" herein and/or in any other documentation shall be constructed to have the same meaning as the words "Bid" or "Bidder"			
PRELIMINARIES			
The JBCC Preliminaries Code 2101, March 2005 edition for use with the JBCC Principal Building Agreement Edition 4.1 Code 2101, March 2005 is taken to be incorporated herein. The tenderer is deemed to have referred to these documents for the full intent and meaning of each clause. These clauses are referred to by number and heading only. Where standard clauses or options are not applicable to the contractor such modifications or connections as are necessary are given under relevant clause. Where an item is not relevant to this specific contract such item is marked."N/A" signifying "Not Applicable"			
PRICING OF PRELIMINARIES			
Should Option A, as set out in clause B10.3.1 hereinafter be used for the adjustment of preliminaries then each item priced is to be allocated to one or more of the three categories Fixed, Value Related or Time Related and the respective amounts entered in the spaces provide under each item			
Items not priced in these Preliminaries shall be deemed to be included elsewhere in these Bills of Quantities			
SECTION A: JBCC PRINCIPAL BUILDING AGREEMENT			
Carried Forward			Included
Section No. 1 Bill No. 1 Preliminaries and General SABC STUDIO 6			

Brought Forward	R	Included
DEFINITIONS <u>A1.0 DEFINITIONS AND INTERPRETATION</u> Clause 1.0 Clause Clause 1.1 Definition of "Commencement Date" is added: 'COMMENCEMENT DATE' means the date that the agreement, made in terms of the Form of Offer and Acceptance, comes into effect Clause 1.1 Definition of "Construction Guarantee" is amended by replacing it with the following: "CONSTRUCTION GUARANTEE" means a guarantee at call obtained by the contractor from an institution approved by the employer in terms of the employer's construction guarantee form as selected in the schedule Clause 1.1 Definition of "Construction Period" is amended by replacing it with the following: "CONSTRUCTION PERIOD" means the period commencing on the commencement date and ending on the date of practical completion Clause 1.1 Definition of "Corrupt Practice" is added: "CORRUPT PRACTICE" means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution. Clause 1.1 Definition of "Fraudulent Practice" is added: "FRAUDULENT PRACTICE" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of any tenderer and includes collusive practice among tenderers (prior to or after the tender submission) designed to establish tender prices at artificial non-competitive levels and to deprive the tenderer of the benefits of free and open competition		
Carried Forward Section No. 1 Bill No. 1 Preliminaries and General SABC STUDIO 6	R	Included

	Brought Forward		R	Included
	Clause 1.1 Definition of "Interest" is amended by replacing it with the following: "INTEREST" means the interest rates applicable on this contract, whether specifically indicated in the relevant clauses or not, will be the rate as determined by the Minister of Finance, from time to time, in terms of section 80 (1) (b) of the Public Finance Management Act, 1999 (Act No.1 of 1999) Clause 1.1 Definition of "Principal Agent" is amended by replacing it with the following: "PRINCIPAL AGENT" means the person or entity appointed by the employer and named in the schedule. In the event of a principal agent not being appointed, then all the duties and obligations of a principal agent as detailed in the agreement shall be fulfilled by a representative of the employer as named in the schedule Clause 1.1 Definition of "Security" is amended by replacing it with the following: "SECURITY" means the form of security provided by the employer or contractor, as stated in the schedule, from which the contractor or employer may recover expense or loss Clause 1.6 is amended by replacing the words "prepaid registered post, telefax or e-mail" with "prepaid registered post or telefax" Clause 1.6.4 is amended by replacing it with the following: No clause			
1	Fixed:_____ Value related:_____ Time Related:_____ OBJECTIVE AND PREPARATION A2.0 OFFER, ACCEPTANCE AND PERFORMANCE Clause 2.0	Item		Included
	Carried Forward		R	Included
	Section No. 1 Bill No. 1 Preliminaries and General SABC STUDIO 6			

	Brought Forward		R	Included
2	Fixed:_____ Value Related:_____ Time Related:_____	Item		Included
	<u>A3.0 DOCUMENTS</u>			
	Clause 3.0			
	Clause 3.2.1 is amended by replacing "14.1" with "14.0"			
	Clause 3.7 is amended by the addition of the following:			
	“The contractor shall keep a copy of all drawings, schedules, unpriced bills of quantities/lump sum document, contract instructions, minutes of site and other meetings, health and safety files as specified in the scope of work, risk register, claims and variation order register, labour records and subcontractors contracts on the site to which the employer, principal agent and agents shall have access at all times. The employer has the right to call for such further information from the contractor it deems necessary in the event it carries out any investigation or audit into potential fraud, corruption, fronting, health and safety incidents or verifying information the contractor has to supply to the employer in terms of this agreement. The Contractor shall ensure a similar right for the Employer with its subcontractors. Copy of JBCC Series 2000 Principal Building Agreement & applicable preliminaries applicable this contract			
3	Clause 3.10 is amended by replacing the second reference to " principal agent " with the word " employer "	Item		Included
4	Fixed:_____ Value Related:_____ Time Related:_____	Item		Included
	<u>A4.0 DESIGN RESPONSIBILITY</u>			
	Clause 4.0			
5	Clause 4.3 is amended by replacing it with the following:	Item		Included
6	No clause	Item		Included
	Carried Forward		R	Included
	Section No. 1			
	Bill No. 1			
	Preliminaries and General			
	SABC			
	STUDIO 6			

	Brought Forward		R	Included
7	Fixed _____ Value Related _____ Time Related _____	Item		Included
	<u>A5.0 EMPLOYER'S AGENTS</u>			
	Clause 5.0			
	Clause 5.1.2 is amended to include clauses 32.6.3, 34.3, 34.4 and 38.5.8			
8	Fixed _____ Value Related _____ Time Related _____	Item		Included
	<u>A6.0 SITE REPRESENTATIVE</u>			
	Clause 6.0			
9	Fixed _____ Value Related _____ Time Related _____	Item		Included
	<u>A7.0 COMPLIANCE WITH REGULATIONS</u>			
	Clause 7.0			
	Note: A separate clause has been included in Section C: Specific Preliminaries of the bills of quantities for the contractor to have the opportunity to price for all the requirements of the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification			
10	Fixed _____ Value Related _____ Time Related _____	Item		Included
	<u>A8.0 WORKS RISK</u>			
	Clause 8.0			
11	Fixed _____ Value Related _____ Time Related _____	Item		Included
	<u>A9.0 INDEMNITIES</u>			
	Clause 9.0			
12	Fixed _____ Value Related _____ Time Related _____	Item		Included
	Carried Forward		R	Included
	Section No. 1 Bill No. 1 Preliminaries and General SABC STUDIO 6			

Brought Forward		R	Included
<u>A10.0 WORKS INSURANCES</u> Clause 10.0 Clause 10.0 is amended by the addition of the following clauses: 10.5 Damage to the Works (a) Without in any way limiting the contractor's obligations in terms of the contract, the contractor shall bear the full risk of damage to and/or destruction of the works by whatever cause during construction of the works and hereby indemnifies and holds harmless the employer against any such damage. The contractor shall take such precautions and security measures and other steps for the protection and security of the works as the contractor may deem necessary. (b) The contractor shall at all times proceed immediately to remove or dispose of any debris arising from the damage to or destruction of the works and to rebuild, restore, replace and/or repair the works (c) The employer shall carry the risk of damage to or destruction of the works and materials paid for by the employer that is the result of the excepted risks as set out in 10.6 (d) Where the employer bears the risk in terms of this contract, the contractor shall, if requested to do so, reinstate any damage or destroyed portions of the works and the costs of such reinstatement shall be measured and valued in terms of 32.0 hereof 10.6 Injury to Persons or loss of or damage to Properties			
Carried Forward Section No. 1 Bill No. 1 Preliminaries and General SABC STUDIO 6		R	Included

Brought Forward		R	Included
(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 death of any person whomsoever arising out of or in the course of or caused by the execution of the works unless due to any act or negligence of any person for whose actions the employer is legally liable (b) The contractor shall be liable for and hereby indemnifies the employer against any liability, loss, claim or proceeding consequent upon loss of or damage to any moveable or immovable or personal property or property contiguous to the site, whether belonging to or under the control of the employer or any other body or person, arising out of or in the course of or by reason of the execution of the works unless due to any act or negligence of any person for whose actions the employer is legally liable (c) The contractor shall, upon receiving a contract instruction from the principal agent, cause the same to be made good in a perfect and workmanlike manner at his own cost and in default thereof the employer shall be entitled to cause it to be made good and to recover the cost thereof from the contractor or to deduct the same from amounts due to the contractor. (d) The contractor shall be responsible for the protection and safety of such portions of the premises placed under his control by the employer for the purpose of executing the works until the issue of the certificate of practical completion. (e)Where the execution of the works involves the risk of removal of or interference with support to adjoining properties including land or structures or any structures to be altered or added to, the contractor shall obtain adequate insurance and will remain adequately insured or insured to the specific limit stated in the contract against the death of or injury to persons or damage to such property consequent on such removal or interference with the support until such portion of the works has been completed.			
Carried Forward Section No. 1 Bill No. 1 Preliminaries and General SABC STUDIO 6		R	Included

Brought Forward		R	Included
(f) The contractor shall at all times proceed immediately at his own cost to remove or dispose of any debris and to rebuild, restore, replace and/or repair such property and to execute the works. 10.7 High risk insurance In the event of the project being executed in a geological area classified as a "High Risk Area", that is an area which is subject to highly unstable subsurface conditions that might result in catastrophic ground movement evident by sinkhole or doline formation the following will apply: 10.7.1 Damage to the works The contractor shall, from the commencement date of the works until the date of the certificate of practical completion bear the full risk of and hereby indemnifies and holds harmless the employer against any damage to and/or destruction of the works consequent upon a catastrophic ground movement as mentioned above. The contractor shall take such precautions and security measures and other steps for the protection of the works as he may deem necessary. When so instructed to do so by the principal agent, the contractor shall proceed immediately to remove and/or dispose of any debris arising from damage to or destruction of the works and to rebuild, restore, replace and/or repair the works, at the contractor's own costs.			
Carried Forward Section No. 1 Bill No. 1 Preliminaries and General SABC STUDIO 6		R	Included

	Brought Forward		R	Included
	10.7.2 Injury to persons or loss of or damage to property The contractor shall be liable for and hereby indemnifies and holds harmless the employer against any liability, loss, claim or proceeding arising at any time during the period of the contract whether arising in common law or by statute, consequent upon personal injuries to or the death of any person whomsoever resulting from, arising out of or caused by a catastrophic ground movement as mentioned above. The contractor shall be liable for and hereby indemnifies the employer against any and all liability, loss, claim or proceeding consequent upon loss of or damage to any moveable or immovable or personal property or property contiguous to the site, whether belonging to or under the control of the employer or any other body or person whomsoever arising out of or caused by a catastrophic ground movement, as mentioned above, which occurred during the period of the contract. 10.7.3 It is the responsibility of the contractor to ensure that he has adequate insurance to cover his risk and liability as mentioned in 10.7.1 and 10.7.2. Without limiting the contractor's obligations in terms of the contract, the contractor shall, within twenty-one (21) calendar days of the commencement date but before commencement of the works, submit to the employer proof of such insurance policy, if requested to do so 10.7.4 The employer shall be entitled to recover any and all losses and/or damages of whatever nature suffered or incurred consequent upon the contractor's default of his obligations as set out in 10.7.1; 10.7.2 and 10.7.3. Such losses or damages may be recovered from the contractor or by deducting the same from any amounts still due under this contract or under any other contract presently or hereafter existing between the employer and the contractor and for this purpose all these contracts shall be considered one indivisible whole.			
13	Fixed_____Related_____Time Related_____	Item		Included
	Carried Forward		R	Included
	Section No. 1 Bill No. 1 Preliminaries and General SABC STUDIO 6			

Brought Forward		R	Included
<u>A11.0 LIABILITY INSURANCES</u>			
	Clause 11.0		
14	Fixed _____ Value Related _____ Time Related _____	Item	Included
<u>A12.0 EFFECTING INSURANCES</u>			
	Clause 12.0		
15	Fixed _____ Value Related _____ Time Related _____	Item	Included
<u>A13.0 No clause</u>			
<u>A14.0 SECURITY</u>			
	Clause 14.0		
	Clause 14.1 - 14.8 are amended by replacing them with the following:		
	14.1 In respect of contracts with a contract sum up to R1 million, the security to be provided by the contractor to the employer will be as a payment reduction of five per cent (5%) of the value certified in the payment certificate (excluding VAT)		
	14.1.1 The payment reduction of the value certified in payment certificate shall be <i>mutatis mutandi</i> in terms of 31.8(A)		
	14.1.2 The employer shall be entitled to recover expense and loss from the payment reduction in terms of 33.0 provided that the employer complies with the provisions of 33.4 in which event the employer's entitlement shall take precedence over his obligations to refund the payment reduction security or portions thereof to the contractor		
Carried Forward		R	Included
Section No. 1 Bill No. 1 Preliminaries and General SABC STUDIO 6			

Brought Forward	R	Included
14.2 In respect of contracts with a contract sum above R1 million, the contractor shall have the right to select the security to be provided in terms of 14.3, 14.4, 14.5, 14.6, or 14.7 as stated in the schedule. Such security shall be provided to the employer within twenty-one (21) calendar days from the commencement date. should the contractor fail to select the security to be provided or should the contractor fail to provide the employer with the selected security within twenty-one (21) calendar days from commencement date, the security in terms of 14.7 shall be deemed to have been selected. 14.3 Where security as a cash deposit of ten per cent (10%) of the contract sum (excluding VAT) has been selected 14.3.1 The contractor shall furnish the employer with a cash deposit equal in value to ten per cent (10%) of the contract sum (excluding VAT) within twenty-one (21) calendar days from commencement date 14.3.2 Within twenty-one (21) calendar days of the date of practical completion of the works the employer shall reduce the cash deposit to an amount equal to three per cent (3%) of the contract value (excluding VAT), and refund the balance to the contractor. 14.3.3 Within twenty-one (21) calendar days of the date of final completion of the works the employer shall reduce the cash deposit to an amount equal to one per cent (1%) of the contract value (excluding VAT) and refund the balance to the contractor. 14.3.4 On the date of payment of the amount in the final payment certificate, the employer shall refund the remainder of the cash deposit to the contractor 14.3.5 The employer shall be entitled to recover expense and loss from the cash deposit in terms of 33.0 provided that the employer complies with the provisions of 33.4 in which event the employer's entitlement shall take precedence over his obligations to refund the cash deposit security or portions thereof of the contractor.		
Section No. 1 Bill No. 1 Preliminaries and General SABC STUDIO 6	R	Included

Brought Forward		R	Included
14.3.6 The parties expressly agree that neither the employer nor the contractor shall be entitled to cede the rights to the deposit to any third party. 14.4 Where security as a variable construction guarantee of ten percent (10%) of the contract sum (excluding VAT) has been selected: 14.4.1 The contractor shall furnish the employer with an acceptable variable construction guarantee equal in value to ten per cent (10%) of the contract sum (excluding VAT) within twenty-one (21) calendar days from commencement date. 14.4.2 The variable construction guarantee shall reduce and expire in terms of the Variable Construction Guarantee form included in the invitation to tender. 14.4.3 The employer shall return the variable construction guarantee to the contractor within fourteen (14) calendar days of it expiring. 14.4.4 Where the employer has a right of recovery against the contractor in terms of 33.0, the employer shall issue a written demand in terms of the variable construction guarantee. 14.5 Where security as a fixed construction guarantee of five percent (5%) of the contract sum (excluding VAT) and a five per cent (5%) payment reduction of the value certified in the payment certificate (excluding VAT) has been selected: 14.5.1 The contractor shall furnish a fixed construction guarantee to the employer equal in value to five per cent (5%) of the contract sum (excluding VAT) 14.5.2 The fixed construction guarantee shall come into force on the date of issue and shall expire on the date of the last certificate of practical completion. 14.5.3 The employer shall return the fixed construction guarantee to the contractor within fourteen (14) calendar days of it expiring.			
Carried Forward Section No. 1 Bill No. 1 Preliminaries and General SABC STUDIO 6		R	Included

Brought Forward	R	Included
14.5.4 The payment reduction of the value certified in a payment certificate shall be in terms of 31.8 (A) and 34.8 14.5.5 Where the employer has the right of recovery against the contractor in terms of 33.0, the employer shall be entitled to issue a written demand in terms of the fixed construction guarantee or may recover from the payment reduction or may do both. 14.6 Where security as a cash deposit of five per cent (5%) of the contract sum (excluding VAT) and a payment reduction of five per cent (5%) of the value certified in the payment certificate (excluding VAT) has been selected: 14.6.1 The contractor shall furnish the employer with a cash deposit equal in the value to five per cent (5%) of the contract sum (excluding VAT) within twenty-one (21) calendar days from commencement date. 14.6.2 Within twenty-one (21) calendar days of the date of practical completion of the works the employer shall refund the cash deposit in total to the contractor. 14.6.3 The payment reduction of the value certified in a payment certificate shall be <i>mutatis mutandi</i> in terms of 31.8(A) 14.6.4 Where the employer has the right of recovery against the contractor in terms of 33.0, the employer may issue a written notice in terms of 33.4 or may recover from the payment reduction or may do both. 14.7 Where security as a payment reduction of ten per cent (10%) of the value certified in the payment certificate (excluding VAT) has been selected: 14.7.1 The payment reduction of the value certified in a payment certificate shall be <i>mutatis mutandi</i> in terms of 31.8(B)		
Carried Forward Section No. 1 Bill No. 1 Preliminaries and General SABC STUDIO 6	R	Included

	Brought Forward		R	Included
	14.7.2 The employer shall be entitled to recover expense and loss from the payment reduction in terms of 33.0 provided that the employer complies with the provisions of 33.4 in which event the employer's entitlement shall take precedence over his obligations to refund the payment reduction or portions thereof to the contractor. 14.8 Payments made by the guarantor to the employer in terms of the fixed or variable construction guarantee shall not prejudice the rights of the employer or contractor in terms of this agreement			
16	Fixed_____Value Related_____Time Related_____ <u>EXECUTION</u> <u>A15.0 PREPARATION FOR AND EXECUTION OF THE WORKS</u> Clause 15.0 Clause 15.1.1 is amended by replacing it with: No clause Clause 15.1.2 is amended by replacing it with: The security selected in terms of 14.0 Clause 15.1 amended by the addition of the following clause: 15.1.4 An acceptable health and safety plan, required in terms of the Occupational Health and Safety Act, 1993 (Act 85 of 1993), within twenty-one (21) calendar days of commencement date. Clause 15.2.1 is amended by replacing it with the following clause: Give the contractor possession of the site within ten (10) working days of the contractor complying with the terms of 15.1.4	Item		Included
	Carried Forward		R	Included
	Section No. 1 Bill No. 1 Preliminaries and General SABC STUDIO 6			

	Brought Forward		R	Included
17	Fixed _____ Value Related _____ Time Related _____	Item		Included
	<u>A16.0 ACCESS TO THE WORKS</u>			
	Clause 16.0			
18	Fixed _____ Value Related _____ Time Related _____	Item		Included
	<u>A17.0 CONTRACT INSTRUCTIONS</u>			
	Clause 17.0			
	Clause 17.1.11 is amended by deleting the words "and the appointment of nominated and selected subcontractors "			
19	Fixed _____ Value Related _____ Time Related _____	Item		Included
	<u>A18.0 SETTING OUT OF THE WORKS</u>			
	Clause 18.0			
20	Fixed _____ Value Related _____ Time Related _____	Item		Included
	<u>A19.0 ASSIGNMENT</u>			
	Clause 19.0			
21	Fixed _____ Value Related _____ Time Related _____	Item		Included
	<u>A20.0 NOMINATED SUB-CONTRACTORS</u>			
	Clause 20.0			
	Clause 20.1.3 is amended by replacing it with the following:			
	No Clause			
	Carried Forward		R	Included
	Section No. 1 Bill No. 1 Preliminaries and General SABC STUDIO 6			

	Brought Forward		R	Included
	Note: See item B9.1 hereinafter for adjustment of attendance on nominated subcontractors executing work allowed for under provisional sums			
22	Fixed _____ Value Related _____ Time Related _____	Item		Included
	<u>A21.0 SELECTED SUBCONTRACTORS</u>			
	Clause 21.0			
	Clause 21 is amended by replacing it with:			
	No clause			
23	Fixed _____ Value Related _____ Time Related _____	Item		Included
	<u>A22.0 EMPLOYERS DIRECT CONTRACTORS</u>			
	Clause 22.0			
24	Fixed _____ Value Related _____ Time Related _____	Item		Included
	<u>A23.0 CONTRACTOR'S DOMESTIC SUBCONTRACTORS</u>			
	Clause 23.0			
25	Fixed _____ Value Related _____ Time Related _____	Item		Included
	COMPLETION			
	<u>A24.0 PRACTICAL COMPLETION</u>			
	Clause 24.0			
26	Fixed _____ Value Related _____ Time Related _____	Item		Included
	<u>A25.0 WORKS COMPLETION</u>			
	Clause 25.0			
	Carried Forward		R	Included
	Section No. 1 Bill No. 1 Preliminaries and General SABC STUDIO 6			

	Brought Forward		R	Included
27	Fixed _____ Value Related _____ Time Related _____	Item		Included
	<u>A26.0 FINAL COMPLETION</u>			
	Clause 26.0			
	Clause 26.1.2 is amended by inserting "#" next to 26.1.2			
28	Fixed _____ Value Related _____ Time Related _____	Item		Included
	<u>A27.0 LATENT DEFECTS LIABILITY PERIOD</u>			
29	Clause 27.0	Item		Included
30	Fixed _____ Value Related _____ Time Related _____	Item		Included
	<u>A28.0 SECTIONAL COMPLETION</u>			
31	Clause 28.0	Item		Included
32	Fixed _____ Value Related _____ Time Related _____	Item		Included
	<u>A29.0 REVISION OF DATE FOR PRACTICAL COMPLETION</u>			
	Clause 29.0			
33	Clause 29.2.5 is amended by replacing it with:	Item		Included
34	No clause	Item		Included
35	Fixed _____ Value Related _____ Time Related _____	Item		Included
	<u>A30.0 PENALTY FOR NON-COMPLETION</u>			
	Clause 30.0			
	To be discussed			
	Carried Forward		R	Included
	Section No. 1 Bill No. 1 Preliminaries and General SABC STUDIO 6			

	Brought Forward		R	Included
36	Fixed _____ Value Related _____ Time Related _____	Item		Included
	<u>PAYMENT</u>			
	<u>A31.0 INTERIM PAYMENT TO THE CONTRACTOR</u>			
	Clause 31.0			
	Clause 31.5.2 is amended by replacing "14.7.1" with "14.0"			
	Clause 31.8 is amended by replacing it with the following two alternative clauses:			
	Alternative A			
	31.8(A) Where a security is selected in terms of 14.1; 14.5 or 14.6, the value of the works in terms of 31.4.1 and materials and goods in terms of 31.4.2 shall be certified in full. The value certified shall be subject to the following percentage adjustments:			
	31.8(A).1 Ninety-five per cent (95%) of such value in interim payment certificates issued up to the date of practical completion			
	31.8(A).2 Ninety-seven per cent (97%) of such value in interim payment certificates issued on the date of practical completion and up to but excluding the date of final completion			
	31.8(A).3 Ninety-nine per cent (99%) of such value in interim payment certificates issued on the date of final completion and up to but excluding the final payment certificate in terms of 34.6			
	31.8(A).4 One hundred per cent (100%) of such value in the final payment certificate in terms of 34.6 except where the amount certified is in favour of the employer . In such an event the payment reduction shall remain at the adjustment level applicable to the final payment certificate .			
	Carried Forward		R	Included
	Section No. 1 Bill No. 1 Preliminaries and General SABC STUDIO 6			

	Brought Forward		R	Included
	Alternative B 31.8(B) Where security as a payment reduction in terms of 14.7 has been selected, the value of the works in terms of 31.4.1 and materials and goods in terms of 31.4.2 shall be certified in full. The value certified shall be subject to the following percentage adjustments: 31.8(B).1 Ninety per cent (90%) of such value in interim payment certificates issued up to the date of practical completion 31.8(B).2 Ninety-seven per cent (97%) of such value in interim payment certificates issued on the date of practical completion and up to but excluding the date of final completion 31.8(B).3 Ninety-nine per cent (99%) of such value in interim payment certificates issued on the date of final completion and up to but excluding the final payment certificate in terms of 34.6 31.8(B).4 One hundred per cent (100%) of such value in the final payment certificate in terms of 34.6 except where the amount certified is in favour of the employer. In such an event the payment reduction shall remain at the adjustment level applicable to the final payment certificate Clause 31.12 is amended by deleting the following: Payment shall be subject to the employer giving the contractor a tax invoice for the amount due			
37	Fixed _____ Value Related _____ Time Related _____	Item		Included
	<u>A32.0 ADJUSTMENT TO THE CONTRACT VALUE</u>			
38	Clause 32.0	Item		Included
39	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:	Item		Included
	Carried Forward		R	Included
	Section No. 1 Bill No. 1 Preliminaries and General SABC STUDIO 6			

	Brought Forward		R	Included
40	"due to no fault of the contractor "	Item		Included
41	Fixed _____ Value Related _____ Time Related _____	Item		Included
	<u>A33.0 RECOVERY OF EXPENSE AND LOSS</u>			
42	Clause 34.0	Item		Included
43	Fixed _____ Value Related _____ Time Related _____	Item		Included
	<u>A34.0 FINAL ACCOUNT AND FINAL PAYMENT</u>			
	Clause 34.0			
	Clause 34.1 is amended by removing "#" next to 34.1			
	Clause 34.2 is amended by inserting "#" next to 34.2			
	Clause 34.8 is amended by deleting the words "where security as a fixed construction guarantee in terms of 14.4 has been selected or where payment reduction has been applied in terms of 14.7.1"			
	Clause 34.13 is amended by replacing "seven (7) calender days " with "twenty-one (21) calendar days " and deleting the words "subject to the employer giving the contractor a tax invoice for the amount due"			
44	Fixed _____ Value Related _____ Time Related _____	Item		Included
	<u>A35.0 PAYMENT TO OTHER PARTIES</u>			
	Clause 35.0			
45	Fixed _____ Value Related _____ Time Related _____	Item		Included
	CANCELLATION			
	<u>A36.0 CANCELLATION BY EMPLOYER - CONTRACTOR'S DEFAULT</u>			
	Clause 36.0			
	Carried Forward		R	Included
	Section No. 1 Bill No. 1 Preliminaries and General SABC STUDIO 6			

	Brought Forward		R	Included
	Clause 36.1 is amended by the addition of the following clauses: 36.1.3 refuses or neglects to comply strictly with any of the conditions of the contract 36.1.4 estate being sequestrated, liquidated or surrendered in terms of the insolvency laws in force within the Republic of South Africa Clause 36.1.5 In the judgement of the employer, has engaged in corrupt or fraudulent practices in competing for or in executing the contract Clause 36.0 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			
46	Fixed_____Value Related_____Time Related_____ <u>A37.0 CANCELLATION BY EMPLOYER LOSS AND DAMAGE</u> Clause 37.0 Clause 37.3.5 is amended by replacing "ninety (90)" with "one-hundred and twenty (120)" Clause 37.0 is amended by the addition of the following clause:	Item		Included
	Carried Forward		R	Included
	Section No. 1 Bill No. 1 Preliminaries and General SABC STUDIO 6			

	Brought Forward		R	Included
	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			
47	Fixed _____ Value Related _____ Time Related _____ <u>A38.0 CANCELLATION BY CONTRACTOR - EMPLOYER'S DEFAULT</u> Clause 38.0 Clause 38.5.4 is amended by replacing "ninety (90)" with "one-hundred and twenty (120)" Clause 38.0 is amended by the addition of the following clause: 38.7 Notwithstanding any clause to the contrary, on cancellation of this agreement either by the employer or the contractor; or for any reason whatsoever, the contractor shall on written instruction, discontinue with the works on a date stated and withdraw himself from the site. The contractor shall not be entitled to refuse to withdraw from the works on the grounds of any lien or right of retention or on the grounds of any other right whatsoever <u>A39.0 CANCELLATION - CESSATION OF THE WORKS</u> Clause 39.0 Clause 39.3.5 is amended by the addition of the following at the end of the sentence: "within one hundred and twenty (120) working days of completion of such a report"	Item		Included
	Carried Forward		R	Included
	Section No. 1 Bill No. 1 Preliminaries and General SABC STUDIO 6			

	Brought Forward		R	Included
48	Fixed_____Value Related_____Time Related_____ DISPUTE <u>A40.0 DISPUTE SETTLEMENT</u> Clause 40.0 Clause 40.2.2 is amended by replacing "one (1) year" with "three (3) years" Clause 40.6 is amended by removing the reference to: No Clause Clause 40.7.1 is amended by replacing "(10)" with "(15)" and by the addition of the following: Whether or not mediation resolves the dispute, the parties shall bear their own costs concerning the mediation and equally share the costs of the mediator and related costs	Item		Included
49	Fixed_____Value Related_____Time Related_____ <u>SUBSTITUTE PROVISIONS</u> <u>A41.0 STATE CLAUSES</u> Clause 41.0	Item		Included
50	Fixed_____Value Related_____Time Related_____ <u>CONTRACT DATA</u> <u>A42.0 PRE-TENDER INFORMATION</u>	Item		Included
51	Fixed_____Value Related_____Time Related_____	Item		Included
	Carried Forward		R	Included
	Section No. 1 Bill No. 1 Preliminaries and General SABC STUDIO 6			

Brought Forward		R	Included
<u>Clause 42.1</u> <u>CONTRACTING AND OTHER PARTIES</u> 42.1.1 Employer: The South African Broadcasting Corporation 52 Richmond Ave, Auckland Park, Johannesburg, 2092 42.1.2 Principal Agent: N/A			
<u>Clause 42.2</u> <u>CONTRACT DETAILS</u> 42.2.1 Works Description The Refurbishment of The SABC Studio 6 ERF 52 Richmond Ave, Auckland Park, Johannesburg, 2092 42.2.2 Site Description 52 Richmond Ave, Auckland Park, Johannesburg, 2092 42.2.3 Work or installations by others N/A			
Carried Forward Section No. 1 Bill No. 1 Preliminaries and General SABC STUDIO 6		R	Included

Brought Forward		R	Included
42.2.4 This agreement is for government contract where there are specific options that are applicable to a STATE organ only 42.2.5 The date on which possession of the site shall be given to the contractor will be determined after all the requirements are met by the successful contractor. 42.2.6 Period for the commencement of the works after the contractor takes possession of the site shall be seven (7) days. 42.2.7 Completion of the work as a whole will be required; 42.2.8 For the works as a whole the intended date of practical completion and penalty per calendar day shall be: Penalty Amount Penalty amounts to construction contract / calender day are To Be Confirmed Date The date for practical completion after site handover is To Be Confirmed. 42.2.12 Payment for materials and goods on site shall be made 42.2.13 The Law applicable to this contract shall be that of South Africa (Country) 42.2.14 The contract dispute resolution shall be arbitration			
Carried Forward		R	Included
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Brought Forward	R	Included
42.2.15 The arbitration rules shall be as recommended by Association of Arbitrators (SA)		
Clause 42.3 <u>INSURANCES</u>		
42.3.1 Construction risk effected by Contractor shall be limited to Contract Sum Plus 20%		
42.3.2 Contract works insurance to be effected by Contractor is the full value of works		
42.3.3 Public liability insurance to be effected by Contractor For the amount of R 3,500 000.00 per event		
Clause 42.4 <u>DOCUMENTS</u>		
42.4.1 Waiver of contractor's lien is required, the client shall provide a payment guarantee		
42.4.2 Three (3) copies of construction documentation to be supplied to the contractor free of charge		
42.4.3 Bills of Quantities drawn up in accordance with the Standard System of Measuring Building Work issued by The Association of South African Quantity Surveyors		
Edition No.6 Amendment 1999 as amended		
42.4.4 The priced bill of quantities to be submitted with the tender		
Carried Forward Section No. 1 Bill No. 1 Preliminaries and General SABC STUDIO 6	R	Included

	Brought Forward		R	Included
	42.4.5 JBCC Engineering General Conditions are to be included with the contract documents N/A 42.4.6 Alternative where the contract is not to be adjusted using CPAP N/A 42.4.7 Details of changes made to the provisions of JBCC standard documentation <u>SECTION B: JBCC PRELIMINARIES</u> <u>B1.0 DEFINITIONS AND INTERPRETATION</u> B1.1 Definitions and interpretation See also clause A1.0 of Section A for additional and/or amended definitions which shall apply equally to this Section			
52	Fixed_____Value Related_____Time Related_____ <u>B2.0 DOCUMENTS</u> B2.1 Checking of documents	Item		Included
53	Fixed_____Value Related_____Time Related_____ B2.2 Provisional bills of quantities	Item		Included
54	Fixed_____Value Related _____Time Related_____ B2.3 Availability of construction documentation	Item		Included
55	Fixed_____Value Related _____Time Related_____ B2.4 Interests of agents	Item		Included
	Carried Forward		R	Included
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	Brought Forward		R	Included
56	Fixed _____ Value Related _____ Time Related _____	Item		Included
	B2.5 Priced documents			
57	Fixed _____ Value Related _____ Time Related _____	Item		Included
	B2.6 Tender submission			
	Clause 2.6 is amended by replacing "JBCC form of tender" with "Form of Offer and Acceptance"			
58	Fixed _____ Value Related _____ Time Related _____	Item		Included
	B3.0 THE SITE			
	B3.1 Defined works area			
59	Fixed _____ Value Related _____ Time Related _____	Item		Included
	B3.2 Geotechnical investigation			
60	Fixed _____ Value Related _____ Time Related _____	Item		Included
	B3.3 Inspection of the site			
61	Fixed _____ Value Related _____ Time Related _____	Item		Included
	B3.4 Existing premises occupied			
62	Fixed _____ Value Related _____ Time Related _____	Item		Included
	B3.5 Previous work - dimensional accuracy			
	All dimensions are to be taken on site			
63	Fixed _____ Value Related _____ Time Related _____	Item		Included
	B3.6 Previous work - defects			
	Carried Forward		R	Included
	Section No. 1			
	Bill No. 1			
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	Brought Forward		R	Included
64	Fixed _____ Value Related _____ Time Related _____	Item		Included
	B3.7 Services - known			
65	Fixed _____ Value Related _____ Time Related _____	Item		Included
	B3.8 Services - unknown			
66	Fixed _____ Value Related _____ Time Related _____	Item		Included
	B3.9 Protection of trees			
67	Fixed _____ Value Related _____ Time Related _____	Item		Included
	B3.10 Articles of value			
68	Fixed _____ Value Related _____ Time Related _____	Item		Included
	B3.11 Inspection of adjoining properties			
69	Fixed _____ Value Related _____ Time Related _____	Item		Included
	<u>B4.0 MANAGEMENT OF CONTRACT</u>			
	B4.1 Management of the works			
70	Fixed _____ Value Related _____ Time Related _____	Item		4,405,182.09
	B4.2 Programme for the works			
71	Fixed _____ Value Related _____ Time Related _____	Item		Included
	B4.3 Progress meetings			
72	Fixed _____ Value Related _____ Time Related _____	Item		Included
	Carried Forward		R	4,405,182.09
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	Brought Forward		R	4,405,182.09
	B4.4 Technical meetings			
73	Fixed _____ Value Related _____ Time Related _____	Item		Included
	B4.5 Labour and plants records			
74	Fixed _____ Value Related _____ Time Related _____	Item		Included
	<u>B5.0 SAMPLES, SHOP DRAWINGS AND MANUFACTURES' INSTRUCTIONS</u>			
	B5.1 Samples of materials			
75	Fixed _____ Value Related _____ Time Related _____	Item		Included
	B5.2 Workmanship samples			
76	Fixed _____ Value Related _____ Time Related _____	Item		Included
	B5.3 Shop drawings			
	Not withstanding the content of this clause, will the following be specific shop drawing requirements that needs to be complied with.			
	Specific shop drawings of routes, elevations and details required - All steel work - Roof construction - All electrical work - HVAC			
77	Fixed _____ Value Related _____ Time Related _____	Item		Included
	B5.4 Compliance with manufacture's instructions			
78	Fixed _____ Value Related _____ Time Related _____	Item		Included
	Carried Forward		R	4,405,182.09
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	Brought Forward		R	4,405,182.09
	<u>B6.0 TEMPORARY WORKS AND PLANT</u>			
	B6.1 Deposits and fees			
79	Fixed _____ Value Related _____ Time Related _____	Item		Included
	B6.2 Enclosure of the works			
	The contractor shall erect, maintain and remove at completion, hoarding with gantries, fans, safety screens, barriers, access gates, covered gangways and the like as necessary for the enclosures of the works and elements thereof all for the protection of the public and others.			
	Fixed _____ Value Related _____ Time Related _____			
	B6.3 Advertising			
	Fixed _____ Value Related _____ Time Related _____			
	B6.4 Plant, equipment, sheds and offices			
80	Fixed _____ Value Related _____ Time Related _____	Item		Included
	B6.5 Main notice board			
81	Fixed _____ Value Related _____ Time Related _____	Item		Included
	B6.6 Subcontractor's notice board			
82	Fixed _____ Value Related _____ Time Related _____	Item		Included
	<u>B7.0 TEMPORARY SERVICES</u>			
	B7.1 Location			
	Carried Forward		R	4,405,182.09
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	Brought Forward		R	4,405,182.09
83	Fixed _____ Value Related _____ Time Related _____ B7.2 Water	Item		Included
84	Fixed _____ Value Related _____ Time Related _____ B7.3 Electricity	Item		Included
85	Fixed _____ Value Related _____ Time Related _____ B7.4 Telecommunication facilities	Item		Included
86	Fixed _____ Value Related _____ Time Related _____ B7.5 Ablution facilities	Item		Included
87	Fixed _____ Value Related _____ Time Related _____ B8.0 PRIME COST AMOUNTS	Item		Included
	B8.1 Responsibility for prime cost amounts			
88	Fixed _____ Value Related _____ Time Related _____ B9.0 FINANCIAL ASPECTS	Item		Included
	B9.1 General Attendance			
89	Fixed _____ Value Related _____ Time Related _____ B9.2 Special attendance	Item		Included
90	Fixed _____ Value Related _____ Time Related _____ B9.3 Commissioning - fuel, water and electricity	Item		Included
	Carried Forward		R	4,405,182.09
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	Brought Forward		R	4,405,182.09
91	Fixed _____ Value Related _____ Time Related _____	Item		Included
	<u>B10.0 FINANCIAL ASPECTS</u>			
	B10.1 Statutory taxes, duties and levies			
92	Fixed _____ Value Related _____ Time Related _____	Item		Included
	B10.2 Payment for preliminaries			
	Option [B] shall apply			
93	Fixed _____ Value Related _____ Time Related _____	Item		Included
	B10.3 Adjustment of preliminaries			
	Clauses B10.3.1 and B10.3.2 are amended by replacing "within fifteen (15) working days of taking possession of the site " with "when submitting his priced Bills of quantities / lump sum document "			
94	Fixed _____ Value Related _____ Time Related _____	Item		Included
	B10.4 Payment certificate cash flow			
95	Fixed _____ Value Related _____ Time Related _____	Item		Included
	<u>B11.0 GENERAL</u>			
	B11.1 Protection of the works YES			
96	Fixed _____ Value Related _____ Time Related _____	Item		Included
	B11.2 Protection / isolation of existing / sectionally occupied works YES			
	Carried Forward		R	4,405,182.09
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		Brought Forward		R	4,405,182.09
97	Fixed _____ Value Related _____ Time Related _____		Item		Included
	B11.3 Security of the works				
98	Fixed _____ Value Related _____ Time Related _____		Item		Included
	B11.4 Notice before covering the work				
99	Fixed _____ Value Related _____ Time Related _____		Item		Included
	B11.5 Disturbance				
100	Fixed _____ Value Related _____ Time Related _____		Item		Included
	B11.6 Environmental disturbance				
101	Fixed _____ Value Related _____ Time Related _____		Item		Included
	B11.7 Works cleaning and clearing				
102	Fixed _____ Value Related _____ Time Related _____		Item		Included
	B11.8 Vermin				
103	Fixed _____ Value Related _____ Time Related _____		Item		Included
	B11.9 Overhand work				
104	Fixed _____ Value Related _____ Time Related _____		Item		Included
	B11.10 Instruction manuals and guarantees				
105	Fixed _____ Value Related _____ Time Related _____		Item		Included
	B11.11 As built information				
		Carried Forward		R	4,405,182.09
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	Brought Forward		R	4,405,182.09
106	Fixed _____ Value Related _____ Time Related _____	Item		Included
	B11.12 Tenant installations			
107	Fixed _____ Value Related _____ Time Related _____	Item		Included
	<u>B12.0 SCHEDULE OF VARIABLES</u>			
	B12.1 Schedule of variables			
108	Fixed _____ Value Related _____ Time Related _____	Item		Included
	This schedule contains all variables referred to in this document and is divided into pre-tender and post-tender categories. The pre-tender category must be completed in full and included in the tender documents. Both the pre-tender and post-tender categories form part of these Preliminaries. Spaces requiring information must be filled in, shown as "not applicable" or deleted and not left blank. Where choices are offered, the non-applicable items are to be deleted. Where insufficient space is provided the information should be annexured hereto and cross-referenced to the applicable clause of the schedule. Key cross reference clauses are italicised in [] brackets			
	<u>12.1 PRE-TENDER INFORMATION</u>			
	12.1.1 Provisional Bills of Quantities			
	(2.2) The quantities are provisional YES			
	12.1.2 Availability of construction documentation			
	(2.3) Construction documentation is complete YES			
	12.1.3 Interest of agents			
	(2.4) Details			
	Carried Forward		R	4,405,182.09
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Brought Forward	R	4,405,182.09
12.1.4 Defined works area (3.1) The works are to be constructed on an existing operational theatre 12.1.5 Geotechnical investigation (3.2) Details: There is no geotechnical investigation available therefore it is the responsibility of the Contractor to make himself familiar to the site conditions. 12.1.6 Existing premises occupied (3.4) Specific requirements: Tenderer s will have to liaise with The SABC in order to program the work in such a way as to cause least inconvenience 12.1.7 Previous work - dimensional accuracy (3.5) Details: 12.1.8 Previous work defects (3.6) Details: 12.1.9 Services - known (3.7) Details: 12.1.10 Protection of trees (3.9) Specific requirements: All trees should be protected and only on instruction of the principal agent may any trees be removed 12.1.11 Inspection of adjoining properties (3.11) Specific requirements: 12.1.12 Enclosure of the works (6.2) Specific requirements:		
Carried Forward	R	4,405,182.09
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Brought Forward	R	4,405,182.09
12.1.13 Offices (6.4.3) Specific requirements The contractor shall provide, maintain and remove on completion of the works an office for the exclusive use of the principal agent, minimum size 4 x 3 x 3m high internally, suitably insulated and ventilated, provided with electrical lighting and fitted with boarded floor, desk chair, drawing stool, drawing board and lock-up drawers for drawings. The office shall be kept clean and fit for use at all times 12.1.14 Main notice board [6.5] Specific requirements The contractor shall provide, erect where directed maintain and remove on completion of the works a notice board size 3 x 3m (drawing to be provided by PA), 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 is provided, or fixed to and including a suitable supporting structure of timber or tubular posts and braces. The board is to be painted ivory white and the bead and 12mm wide dividing lines dark green. All wording shall be inscribed in dark green as per the coat of arms for SA. All wording shall be inscribed in dark green painted sans serif lettering 12.1.15 Subcontractors' notice board [6.5] A notice board is required Specific requirements No 12.1.16 Water 7.20 option A (by contractor) option B (by employer - free of charge) option C (by employer) YES 12.1.17 Electricity [7.3] option A (by contractor) option B (by employer - free of charge) option C (by employer) YES		
Carried Forward	R	4,405,182.09
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Brought Forward		R	4,405,182.09
12.1.18 Telecommunications [7.4] option A (by contractor) YES option B (by employer - free of charge) option C (by employer - metered) Telephone Facsimile E-mail			
12.1.19 Ablution Facilities [7.5] option A (by contractor) option B (by employer - free of charge) option C (by employer) YES			
12.1.20 Protection of existing / sectionally occupied works [11.2] Protection required N/A			
12.1.21 Special Attendance [9.2] Subcontractor (1) details: Subcontractor (2) details: Subcontractor (3) details: Subcontractor (4) details:			
12.1.22 Protection of the works [11.1] Special requirements			
12.1.23 Disturbance [11.5] Specific requirements The contractor shall keep the site, structures, etc well watered during operations to prevent dust and shall provide and erect and remove on completion of the works all necessary temporary dust screens all to the satisfaction of the principal agent			
12.1.24 Environmental disturbance [11.6] Special requirements			
Carried Forward			R 4,405,182.09
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		Brought Forward	R	4,405,182.09
12.2 POST-TENDER INFORMATION				
12.2.1 Payment of preliminaries				
[10.2]	Option A (pro rated)	YES		
	Option B (calculated)	NO		
12.2.2 Adjustment of preliminaries				
[10.30]	Option A (three categories)	YES		
	Option B (detailed breakdown)	NO		
12.2.3 Additional agreed preliminaries items				
	Details:			
	N/A			
SECTION C: SPECIFIC PRELIMINARIES				
Section C contains specific preliminary items which apply to this contract except where N/A (Not Applicable) appears against an item				
C1.0 CONTRACT DRAWINGS				
The drawings issued with the tender documents do not comprise the complete set but serve as a guide only for tendering purposes and for indicating the scope of the work to enable the tenderer to acquaint himself with the nature and extent of the works and the manner in which they are to be executed				
A full set of drawings is issued with the tender documents indicating the full 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				
109	Fixed _____ Value Related _____ Time Related _____	Item		Included
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Brought Forward

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C2.0 GENERAL PREAMBLES

The document "Construction Works: Specifications: General Specification (PW371-A) edition 2.0" is obtainable on the Department's website (<http://www.publicworks.gov.za/> under "Consultants Guidelines") or from the head office and all regional offices of the Department, and shall be read in conjunction with the **bills of quantities** and be referred to for the full description of work to be done and materials to be used

The document "Construction Works: Specifications: Particular Specification (PW371-B) edition 2.0" is issued together with the drawings and shall be read in conjunction with the drawings and the **bills of quantities**

110 Fixed _____ Value Related _____ Time
Related

Item	Included
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C3.0 TRADE NAMES

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

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

111 Fixed _____ Value Related _____ Time
Related

Item	Included
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	Brought Forward		R	4,405,182.09
	<u>C4.0 IMPORTED MATERIALS AND EQUIPMENT</u>			
	Where imported items are listed in the tender documents, the tendere 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 DPW23 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)			
112	Fixed _____ Value Related _____ Time Related _____	Item		Included
	<u>C5.0 VIEWING THE SITE IN SECURITY AREAS</u>			
	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 N/A			
113	Fixed _____ Value Related _____ Time Related _____	Item		Included
	<u>C6.0 COMMENCEMENT OF WORKS IN SECURITY AREAS</u>			
	As the works falls within a security area the contractor must give the unit commander or other responsible officer notice before commencement of the works . Should the contractor fail to make such arrangements, admission to the site may be refused and any additional costs will be for the contractor's account N/A			
114	Fixed _____ Value Related _____ Time Related _____	Item		Included
	Carried Forward		R	4,405,182.09
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	Brought Forward		R	4,405,182.09
	<u>C7.0 ENTRANCE PERMITS TO SECURITY AREAS</u> As the works falls within a security area the contractor shall obtain entrance permits for his personnel and workmen entering the area and shall comply with all regulations and instructions which may be issued from time to time regarding the protection of persons and property under the control of the Defence Force, Police, or Chief Security Officer. N/A			
115	Fixed _____ Value Related _____ Time Related _____ <u>C8.0 SECURITY CHECK OF PERSONNEL</u> The principal agent may require the contractor to have his personnel and workmen, or a certain number of them, security classified In the event of the principal agent requesting the removal of a person or persons from the works for security reasons, the contractor shall do so forthwith and shall thereafter ensure that such person or persons are denied access to the works and the site and/or to any document or information relating to the works N/A	Item		Included
116	Fixed _____ Value Related _____ Time Related _____ <u>C9.0 PROHIBITION OF TAKING OF PHOTOGRAPHS</u> In terms of article 119 of the Defence Act, 44 of 1957, it is prohibited to sketch or to take photographs of any military site or any building work thereon or to be in possession of a camera or other apparatus used for taking of photographs except when authorized thereto by or on behalf of the Minister, End-user, etc The same prohibition is also applicable to all correctional institutions in terms of article 44.1(e) of the Correctional Services Act 8 of 1959 N/A	Item		Included
	Carried Forward		R	4,405,182.09
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		Brought Forward			R	4,405,182.09
117	Fixed _____ Value Related _____ Time Related _____	Item				Included
<u>C10.0 HIV/AIDS AWARENESS</u> It is required of the contractor to thoroughly study the HIV/AIDS Specification (PW 1544) of the Department that must be read together with and is deemed to be incorporated under this Section of the bills of quantities. Provision for pricing of HIV/AIDS awareness is made under items C10.1 to C10.5 hereafter and it is explicitly pointed out that all requirements of the aforementioned specification are deemed to be priced hereunder, as the said items represent 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 31.0 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. <u>C10.1 AWARENESS CHAMPION</u> Selection, appointment, briefing and making available of an Awareness Champion including provisional of all relevant services, all in accordance with the HIV/AIDS Specification						
118	Fixed _____ Value Related _____ Time Related _____	Item				Included
		Carried Forward			R	4,405,182.09
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	Brought Forward		R	4,405,182.09
	<u>C10.2 AWARENESS WORKSHOPS</u>			
	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 media techniques, including follow-up courses, making available all tuition material and performing assessment procedures, all in accordance with the HIV/AIDS Specification			
119	Fixed _____ Value Related _____ Time Related _____	Item		Included
	<u>C10.3 POSTERS, BOOKLETS, VIDEOS, ETC</u>			
	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			
120	Fixed _____ Value Related _____ Time Related _____	Item		Included
	<u>C10.4 ACCESS TO CONDOMS</u>			
	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			
121	Fixed _____ Value Related _____ Time Related _____	Item		Included
	<u>C10.5 MONITORING</u>			
	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.			
	C10.6 Non cession of monies			
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	Clause 10.6			
122	Fixed _____ Value Related _____ Time Related _____	Item		Included
	<u>C10.7 MONEY PROVISION</u>			
	Community Liaison Officer			
123	N/A	No		Included
	<u>HEALTH AND SAFETY EDUCATION</u>			
124	Allow for HIV/AIDS awareness and Implementation programmes, including STI and TB	Item		Included
125	Allow for all compulsory health and safety awareness programme (e.g. Inductions, toolbox Talks, Safety Promotions, H&S related training, etc.)	Item		Included
126	Allow for COVID-19 pandemic regulations.	No		Included
	<u>ENVIRONMENTAL</u>			
127	Provide for adequate handling and storage of materials so as to minimize contamination of ground, air or water.	Item		Included
128	Provide for the adequate and safe collection and disposal of waste material from site by an approved method.	Item		Included
129	Provide Facilities and Eating Area for workers.	Item		Included
130	Provide for rehabilitation on completion of site areas and temporary access routes not covered by construction or landscaping specifications.	Item		Included
131	Provide for stockpiling of topsoil for re-use	Item		Included
	Carried Forward		R	4,405,182.09
	Section No. 1 Bill No. 1 Preliminaries and General SABC STUDIO 6			

	Brought Forward		R	4,405,182.09
	<u>C11.0 OCCUPATIONAL HEALTH AND SAFETY ACT</u>			
	The contractor shall comply with all the requirements set out in the Construction Regulations, 2014 issued under the Occupational Health and Safety Act, 1993 (Act No.85 of 1993). It is required of the contractor to thoroughly study the Health and Safety Specification that must be read together with and is deemed to be incorporated under this Section of the bills of quantities /lump sum document. The contractor must take note that compliance with the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is compulsory. In the event of partial or total non-compliance, the principal agent, notwithstanding the provisions of clause A31.0 of Section A or any other clause to the contrary, reserves the 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 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			
132	Fixed _____ Value Related _____ Time Related _____	Item		Included
133	Notify the provincial director in writing of the commencement of construction work with and including submission of a letter of receipt and acknowledgement of the aforementioned notice by the director of his/her representative	Item		Included
134	Allow for the necessary Workman's Compensation Fund or FEM contributions for the duration of the project with and including renewals	Item		Included
	Carried Forward		R	4,405,182.09
	Section No. 1 Bill No. 1 Preliminaries and General SABC STUDIO 6			

Refurbishment of Studio 6
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	Brought Forward		R	4,405,182.09
135	Allow for the preparation and approval of project-specific H&S Plan & File [CR 7(1)(a)]	Item		Included
136	Allow for the implementation and maintenance of project-specific H&S Plan & File. [CR 7]		SUM	Included
137	Allow for the appointment of a Full-Time Competent Construction Health & Safety Officer to assist in the control of all health and safety related aspects on site as per [CR 8(5)]		SUM	Included
138	Provide for appointment of responsible and competent person/s to manage and supervise the works and administer and enforce health and safety on site as per [CR 8(1),(2), &(7)]		SUM	Included
139	Allow for provision of telecommunication facilities for the appointed Construction Health & Safety Officer		SUM	Included
140	Allow for provision of Basic Emergency Preparedness and Response equipment & at least Level 2 First Aider/s		SUM	Included
	<u>Provide, supply and maintenance for each worker the following SANS approved personal protective equipment & clothing as per the site-specific risk assessments:</u>			
141	Hard Hats(High Density polyethylene, & 6-point lining)	Item		Included
142	Overall/work suit (100% Cotton)	Item		Included
143	Safety boots/shoes (Steel-Toe)	Item		Included
144	Safety gloves	Item		Included
145	Ear Plugs/Muffs	Item		Included
146	Dust Mask(at least FF2 type)	Item		Included
147	Respirators	Item		Included
148	Safety goggles	Item		Included
149	Personal Fall arrest and rescue equipment with and including life lines and associated equipment	Item		Included
	Carried Forward		R	4,405,182.09
	Section No. 1 Bill No. 1 Preliminaries and General SABC STUDIO 6			

Refurbishment of Studio 6
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[illegible]

Brought Forward

R|| 4,405,182.09

C19 CONSTRUCTION QUALITY MANAGEMENT AND QUALITY MONITORING

156 1. The Contractor shall submit with his tender, a Construction Quality Management Plan (CQMO). This plan shall include the name and CV of the individual who will be responsible for construction quality management on site. This person shall be a different person from the Contractor's site representative (JBCC clause 6.0). The CQMP shall, among others, provide details of how the representatives of the PA responsible for the specific discipline will interface with the quality management function of the contractor. 2. The PA shall submit, for approval by the IA a CQMP before construction commences. 3. The IA shall submit both the CQMP prepared by the contractor and the construction quality monitoring plan prepared by the IA to The SABC for approval before the site is handed over to the contractor for construction. 7.3.2 Should the quality not be to the satisfaction of The SABC, the SABC may request an update of the plans to be submitted within five (5) working days. The SABC will apply internationally accepted criteria for the review of the quality plans. 7.3.3 Should the quality plans not be to the satisfaction of the SABC after a further request, the SABC will have the right: 1. to prescribe to the IA and the PA the quality procedure to follow; or 2. to cancel the contracts of the IA, the PSPs and the contractor with the right to recover any relevant cost if the IA fails to follow quality procedures as set out under 7.3.3

Fixed: _____ Value related: _____
Time related: _____

Item

Included

Carried to Final Summary

R	4,405,182.09
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Section No. 1
Bill No. 1
Preliminaries and General
SABC
STUDIO 6

Item No	Unit	Quantity	Rate	Amount
<u>SECTION NO. 2</u>				
<u>BILL NO 1</u>				
<u>ALTERATIONS (PROVISIONAL) (CPAP Work Group No. 102 Unless Otherwise Stated)</u>				
<u>PREAMBLES FOR TRADES</u>				
The Model Preambles for Trades (2008 edition) as published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these bills of quantities and no claims arising from brevity of description of items fully described in the said Model Preambles will be entertained All tenderers will be deemed to have visited the site prior to submitting their tender to determine the nature and extent of the alteration and demolition work and the value of the materials to be recovered. No claim for a variation in the contract sum or the credit allowance for recoverable materials in respect of alteration /demolition items will be considered. All sizes and dimensions stated herein are approximate and deemed only sufficient to identify the item of work concerned. In taking down and removing existing work the utmost care must be taken to avoid any structural or other damage to the remaining portions of the building and the Contractor shall provide all shoring, needling, strutting, etc. to ensure the stability of all structures during the alteration/demolition work. The Contractor will be held solely responsible for the safety and stability of the buildings for the whole period of the contract and must make good any damage at his own expense. The Contractor shall provide and afterwards remove all necessary temporary tarpaulins, barricades, screens,				
Carried Forward			R	Included
Section No. 2 Bill No. 1 Ground Floor SABC STUDIO 6				

Brought Forward			R	Included
fencing, temporary waterproofing, dust proofing, etc. required to isolate any sections of new or existing buildings for purposes of excluding users of the remainder of the building or any unauthorised persons all to the satisfaction of the Representative/Agent and remove when directed. The Contractor shall cover up and protect from injury all work not removed and shall make good at his own expense any damage that may occur. Existing services must be maintained at all times to the existing buildings. If it is found necessary to disconnect any service than suitable temporary or alternate services must be provided to the existing buildings. Special care shall be exercised during the progress of the work to ensure that any electrical installation, water supply pipes, telephone and other services which may be encountered are not intefered with and notice must be given to the Representative/ Agent if any disconnection or alterations become necessary. The Contractor shall take all precautions to protect the existing roads,paving and gardens from damage during the course of the contract and on complation he shall clear away and make good all damage at his own expense. Building up of existing openings where given in number shall be deemed to include preparing existing surfaces all round, brickwork properly toothed and bonded to existing and shot pinned to concrete, wedging up and making good finishes on both sides to match existing. Taking down existing walls is to include for dead shoring and propping under existing concrete slabs, beams, roof timbers, etc., for removing doors, windows, skirtings, curtain tracks, pelmets, cornices, etc. fixed to same and for making good to walls , floors, ceilings, etc. as described. Removal of doors, windows, fittings, etc., is to include for their removal complete with frames, ironmongery, glass, quadrants, architraves, skirtings, burglar bars and all accessories to walls, reveals, around openings, for cutting out cills, etc., for hacking up flooring at openings and for making good.				
Carried Forward Section No. 2 Bill No. 1 Ground Floor SABC STUDIO 6			R	Included

Brought Forward				R	Included
Any water supply or other piping, etc. that may be encountered and found necessary to disconnect or cut are to be effectually stopped off and any new connections that may be necessary shall be made with the proper fittings to the satisfaction of the Representative/Agent.					
Where sanitary fittings, geysers, etc are to be removed the Contractor shall allow for removing all exposed waste or water supply pipes to the nearest suitable junction or connection and stopping off, as well as for making good plaster, screeds, etc.					
The Contractor shall remove from the site all material, rubble, debris, rubbish, etc. resulting from the alterations/demolitions.					
<u>OLD MATERIALS TO BE CARTED AWAY :</u>					
Old materials from alterations except where described to be handed over, as well as all rubbish, etc., must be regularly carted from the site and not be allowed to accumulate on or around the site.					
<u>TEMPORARY BARRICADES, SCREENS, ETC</u>					
<u>Temporary barricades, screens, roofs, etc including removal</u>					
1	Drywall barricade 3,5m high of galvanised steel channel section rails and studs covered on one side with 12,7mm gypsum plasterboard and finished with two coats interior quality PVA emulsion paint, including corners, ends, etc	m	30	260.00	7,800.00
2	Extra over preceding item for hollow core single door 813 x 2032mm high, including steel frame, two-lever mortice lock, primer and two coats paint	No	2	370.00	740.00
<u>Ground Floor</u>					
<u>Removal of walls, slabs and surface beds</u>					
3	Breakdown and removal of 230mm brick wall	m2	43	250.00	10,750.00
Carried Forward				R	19,290.00
Section No. 2 Bill No. 1 Ground Floor SABC STUDIO 6					

Refurbishment of Studio 6

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Brought Forward			R	19,290.00
Breakdown and removal of 115mm brick wall	m2	21	150.00	3,150.00
<u>Removal of finishes from walls, floors, ceilings, etc.</u>				
Remove all loose plaster from existing walls	m2	219	45.00	9,855.00
Removal of screed to floors	m2	47	45.00	2,115.00
<u>Removal of doors, windows, fittings, etc.</u>				
Removal of all single sound lock doors	No	7	1,250.00	8,750.00
Removal of all double sound lock doors	No	2	3,500.00	7,000.00
<u>Protection of cavities</u>				
Protect existing cavities to prevent debris to fall into cavity. Clean out activities as brickwork proceed			SUM	120,000.00
Carried Forward to Summary of Section No. 2			R	170,160.00
Section No. 2 Bill No. 1 Ground Floor SABC STUDIO 6				

Item No		Unit	Quantity	Rate	Amount
	<u>SECTION NO. 2</u>				
	<u>BILL NO 2</u>				
	<u>ALTERATIONS</u>				
	<u>First Floor</u>				
	<u>Removal of walls, slabs and surface beds</u>				
1	Break down and remove brick piers 350x350	No	28	425.00	11,900.00
2	Break down and remove 230mm brick wall	m2	40	250.00	10,000.00
3	Breakdown and remove 115mm wall	m2	29	150.00	4,350.00
4	Breakdown and remove the 170mm rib and block concrete roof slab	m2	93	550.00	51,150.00
5	Take up and remove waterproofing from roof slabs	m2	90	70.00	6,300.00
	<u>Removal of finishes from walls, floors, ceilings, etc.</u>				
6	Remove 130mm screed from floors	m2	200	45.00	9,000.00
	<u>Removal of doors, windows, fittings, etc.</u>				
7	Remove all single sound lock doors	No	3	1,250.00	3,750.00
8	Remove existing balustrades	m	58	150.00	8,700.00
	Carried Forward to Summary of Section No. 2			R	105,150.00
	Section No. 2 Bill No. 2 First Floor SABC STUDIO 6				

Item No		Unit	Quantity	Rate	Amount
	<u>SECTION NO. 2</u>				
	<u>BILL NO 3</u>				
	<u>ALTERATIONS</u>				
	<u>Second Floor</u>				
	<u>Removal of walls, slabs and surface beds</u>				
1	Breakdown and remove reinforced concrete slab	m2	90	550.00	49,500.00
2	Breakdown and remove 230mm brick wall	m2	88	250.00	22,000.00
3	Break down and remove 115mm brick wall	m2	7	150.00	1,050.00
	<u>Removal of finishes from walls, floors, ceilings, etc.</u>				
4	Remove 130mm screed from floors	m2	124	45.00	5,580.00
5	Remove existing carpet tiles, prepare existing timber floor to receive new anti-static 500x500mm Belgotex Nexus Cube2 colour Scrabble	m2	9	75.00	675.00
	<u>Removal of doors, windows, fittings, etc.</u>				
6	Removal of all single sound lock doors	No	10	1,250.00	12,500.00
7	Removal of all sound lock windows	No	2	500.00	1,000.00
	Carried Forward to Summary of Section No. 2			R	92,305.00
	Section No. 2 Bill No. 3 Second Floor SABC STUDIO 6				

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Item No		Unit	Quantity	Rate	Amount
	<u>SECTION NO. 2</u>				
	<u>BILL NO 5</u>				
	<u>ALTERATIONS</u>				
	<u>Roof</u>				
	<u>Removal of walls, slabs and surface beds</u>				
1	Breakdown and remove reinforced concrete roof slab. Demolitions to be carried out as per structural engineers specifications/instructions at heights above 13 meters including special propping up and carting away of material to suitable designated area not exceeding 2km from site	m2	675	1,500.00	1,012,500.00
2	Breakdown and remove monitor rooms reinforced concrete slab	m2	308	550.00	169,400.00
3	Breakdown and remove reinforced concrete beams	No	3	20,000.00	60,000.00
4	Breakdown and remove 230mm concrete wall	m2	286	650.00	185,900.00
5	Take up and remove waterproofing from roof slabs	m2	1,153	70.00	80,710.00
	<u>Alterations work</u>				
6	Propping up of new reinforced concrete slab			SUM	350,000.00
7	Stripping clean of pre-stressed concrete beams			SUM	95,000.00
8	Preparation of existing structural elements to receive new work and elements			SUM	60,000.00
9	Propping up of new pre stressed concrete beams			SUM	320,000.00
10	Load testing of new pre-stressed concrete beams			SUM	275,000.00
	Carried Forward to Summary of Section No. 2			R	2,608,510.00
	Section No. 2 Bill No. 5 Roof SABC STUDIO 6				

[illegible]

Item No	Unit	Quantity	Rate	Amount
<u>SECTION NO. 3</u>				
<u>BILL NO 1</u>				
<u>EARTHWORKS (PROVISIONAL) (CPAP Work Group No. 104 Unless Otherwise Stated)</u>				
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>Nature of ground</u>				
A soils investigation has been carried out on the site by the engineer and the report is annexed to these bills of quantities. The soils report indicates that the ground varies between silty sand, reworked soil of mixed origin and residual shale, all of which will be deemed as "earth". All very hard unweathered shale, ironstone, etc, the removal of which necessitates the use of explosives or heavy duty hydraulic percussion hammers (peckers), will be classified as "hard rock"				
<u>User note</u>				
<i>The following are typical examples of descriptions of "subterranean water"</i>				
<u>Subterranean water</u>				
No subterranean water is expected				
The water table is expected to vary between approximately ?m and ?m below natural ground level. The removal of subterranean water is given separately				
<u>Excavation for working space in rock</u>				
Notwithstanding clause 11 page 8 of the Standard System of Measuring Building Work, excavation for working space in rock will be measured in cubic metres to the extent executed and given as "extra over" bulk excavation or trench and hole excavation as the case may be				
Carried Forward			R	Included
Section No. 3 Bill No. 1 Ground Floor SABC STUDIO 6				

Brought Forward			R	Included	
<u>Carting away of excavated material</u>					
Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site					
<u>Filling</u>					
Notwithstanding the reference to prescribed multiple handling in clause 1 page 6 of the Standard System of Measuring Building Work, prices for filling and backfilling shall include for all selection and any necessary multiple handling of material					
<u>User note</u>					
<i>When no information regarding density tests is available the following preamble in respect of testing may be inserted</i>					
<u>Testing</u>					
<i>Prices for filling are to include for all necessary density tests in accordance with SABS 1200D</i>					
<u>Site Clearance</u>					
1	Digging up and removal of rubbish, debris,vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc	m2	28	45.00	1,260.00
<u>EXCAVATIONS, FILLING, ETC</u>					
<u>Bulk excavations, excavations for trenches and excavations for holes</u>					
2	Excavations in earth for trenches not exceeding 2m deep	m3	4	74.00	296.00
3	Extra Over trenches for soft rock	m3	4	150.00	600.00
4	Extra over trenches for hard rock	m3	4	320.00	1,280.00
Carried Forward				R	3,436.00
Section No. 3					
Bill No. 1					
Ground Floor					
SABC					
STUDIO 6					

Refurbishment of Studio 6
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	Brought Forward			R	3,436.00
	<u>Excavated material to be carted from the site</u>				
5	Surplus material from excavations and /or stock pile on site to a dumping site to be located by the contractor	m3	4	211.00	844.00
	<u>Risk of collapse of excavations</u>				
6	Sides of trench and hole excavations not exceeding 1,5m deep including keeping excavations free from water	m2	5	12.00	60.00
	<u>Sides of excavations necessarily required to be excavated back for working space ie. beyond the extent defined under clause 6 "Excavations"</u>				
7	Back excavation in earth for working space for excavation in soft rock	m2	28	65.00	1,820.00
	<u>Keeping excavations free of all water other than subterranean water</u>				
8	Keeping excavations free of water other than subterranean water			SUM	10,000.00
	<u>Filling of soil, stone, broken brick, etc for backfilling to trenches, holes, etc, for filling over site, for filling in landscape mounds, berms, etc and for filling under floors, steps, paving, etc</u>				
9	Backfill to trenches, holes, etc.	m3	1	291.00	291.00
10	Bedding	m3	3	291.00	873.00
	<u>Compaction of natural or excavated ground surfaces</u>				
11	Compaction of ground surface under floors, etc. including scarifying for a depth of 100mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% Mod AASHTO density	m2	8	25.00	200.00
	Carried Forward			R	17,524.00
	Section No. 3 Bill No. 1 Ground Floor SABC STUDIO 6				

[illegible]

Item No	Quantity	Rate	Amount
<u>SECTION NO. 4</u> <u>BILL NO. 1</u> <u>CONCRETE, FORMWORK AND REINFORCEMENT (PROVISIONAL)</u> <u>PREAMBLES</u> (For preambles refer to :Specification materials and methods to be used"PW 371 <u>SUPPLEMENTARY PREAMBLES</u> Cost of tests The costs of making, storing and testing of concrete test cubes as required under clause 7 "Tests" of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the architect. The testing shall be undertaken by an independent firm or institution nominated by the contractor and to the approval of the architect. (Test cubes are measured separately) Formwork Descriptions of formwork shall be deemed to include use and waste only (except where described as "left in" or "permanent"), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use. The vertical strutting shall be carried down to such construction as is sufficiently strong to afford the required support without damage and shall remain in position until the newly constructed work is able to support itself.			
Carried Forward			R
Section No. 4 Bill No. 1 Ground Floor SABC STUDIO 6			Included

Brought Forward			R	Included	
Formwork to soffits of (solid) slabs etc shall be deemed to be to slabs not exceeding 250mm thick unless otherwise described					
Formwork to sides of bases, pile caps, ground beams, etc will only be measured where it is prescribed by the engineer for design reasons. Formwork necessitated by irregularity or collapse of excavated faces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavations, provision for which is made in "Earthworks"					
<u>Reinforced Concrete</u>					
<u>30 MPa / 230mm concrete</u>					
1	New 230mm rib and block slab with mesh reinforcement #193 top (25mm cover) by a specialist contractor to engineers approval	m3	155	2,800.00	434,000.00
<u>30 MPa / 200mm concrete</u>					
2	New 170-200mm rib and block slab with mesh reinforcement #193 top (25mm cover) by a specialist contractor to engineers approval	m3	40	2,800.00	112,000.00
<u>30MPa / 170mm concrete</u>					
3	New 170mm rib and block slab with mesh reinforcement #193 top (25mm cover) by a specialist contractor to engineers approval	m3	16	2,800.00	44,800.00
Carried Forward			R	590,800.00	
Section No. 4 Bill No. 1 Ground Floor SABC STUDIO 6					

Section No. 4
Bill No. 1
Ground Floor
SABC
STUDIO 6

		Brought Forward		R	2,506,095.99
9	Permanent shuttering to sides and soffits of beams	m2	61	1,352.00	82,472.00
	<u>MOVEMENTS JOINTS, ETC</u>				
	<u>Construction joints not exceeding 300mm high or wide</u>				
10	10mm thick joint	m	100	120.00	12,000.00
	<u>REINFORCEMENT</u>				
	<u>Various Bar Reinforcements</u>				
11	Steel bar reinforcement of various diameters (100kg/m3)	t	24.70	18,700.00	461,890.00
	<u>Fabric reinforcement</u>				
12	Ref 193 fabric reinforcement in concrete surface beds etc	m2	554	51.86	28,730.44

Item No	Unit	Quantity	Rate	Amount
<u>SECTION NO. 5</u>				
<u>BILL NO. 1</u>				
<u>MASONRY (CPAP Work Group No. 116 Unless Otherwise Stated)</u>				
<u>PREAMBLES</u>				
(For preambles refer to :Specification materials and methods to be used"PW 371				
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>Preambles</u>				
The Standard Preambles and the Notes in the various trade bills are to, and do, apply equally to this section.				
<u>Proprietary Products In Descriptions</u>				
Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent				
<u>Sizes In Descriptions</u>				
Where sizes in descriptions are given in brick units, "one brick" shall be the length and "half brick" the width of a brick				
<u>Cement Mortar</u>				
Unless otherwise described, all brickwork shall be built in 1:6 cement mortar				
<u>Face Bricks</u>				
Bricks shall be ordered timeously to obtain uniformity in size and colour				
Carried Forward			R	Included
Section No. 5 Bill No. 1 Ground Floor SABC STUDIO 6				

	Brought Forward			R	Included
<u>Pointing</u>					
Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc					
<u>Samples, etc</u>					
Rates for brickwork, faced brickwork, etc shall include for all required samples					
<u>BRICKWORK</u>					
<u>SUPERSTRUCTURE</u>					
<u>Brickwork of NFXE bricks (14 MPa nominal compressive strength) in class I mortar in loadbearing walls etc</u>					
1	280mm cavity brick wall	m2	11	580.00	6,380.00
2	280mm cavity brick wall	m2	13	580.00	7,540.00
3	230mm brick wall	m2	28	450.00	12,600.00
4	115mm brick wall	m2	22	225.00	4,950.00
<u>FACE BRICKWORK</u>					
<u>External facings in approved face bricks (FBS) with a PC Amount of R 5 500.00 per thousand bricks delivered to site (excluding VAT) pointed with square recessed horizontal and vertical joints</u>					
5	230mm Face brick wall	m2	265	750.00	198,750.00
Carried Forward to Summary of Section No. 5				R	230,220.00
Section No. 5 Bill No. 1 Ground Floor SABC STUDIO 6					

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[illegible]

Item No		Unit	Quantity	Rate	Amount
	<u>SECTION NO. 5</u>				
	<u>BILL NO. 4</u>				
	<u>MASONRY</u>				
	<u>Brickwork of NFXE bricks (14 MPa nominal compressive strength) in class I mortar in loadbearing walls etc</u>				
1	115mm brick wall	m2	61	425.00	25,925.00
	Carried Forward to Summary of Section No. 5				R 25,925.00
	Section No. 5 Bill No. 4 Third Floor SABC STUDIO 6				

[illegible]

Bill No	SECTION SUMMARY - Masonry	Page No	Amount
1	Ground Floor	68	230,220.00
2	First Floor	69	95,500.00
3	Second Floor	70	57,975.00
4	Third Floor	71	25,925.00
5	Roof	72	207,060.00
Carried to Final Summary			R 616,680.00
Section No. 5 SABC STUDIO 6			

Item No		Unit	Quantity	Rate	Amount
	<u>SECTION NO. 6</u> <u>BILL NO. 1</u> <u>WATERPROOFING (CPAP Work Group No.120 Unless Otherwise Stated)</u> <u>PREAMBLES</u> (For preambles refer to :Specification materials and methods to be used"PW 371 <u>Waterproofing</u> Waterproofing of roofs, basements, etc shall be laid under a ten year guarantee. Waterproofing to roofs shall be laid to even falls to outlets etc with necessary ridges, hips and valleys. Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs <u>DAMPPROOFING OF WALLS AND FLOORS</u> <u>One layer 375 micron embossed polyethylene dampproof membrane (SANS 952-1985 type B) turn-ups not exceeding 300mm girth</u> 1 Apply 4mm torch on bitumen Derbigum waterproofing strictly in accordance with the man. spec and 150mm flashing to walls. Two coats silver aluminium coating. New waterproofing to be covered by 10 years manufacturers guarantee.	m2	1,007	950.00	956,650.00
	Carried to Final Summary			R	956,650.00
	Section No. 6 Bill No. 1 Roof Slabs SABC STUDIO 6				

Item No		Unit	Quantity	Rate	Amount
	<u>SECTION NO. 7</u>				
	<u>BILL NO 1</u>				
	<u>ROOF COVERINGS, CLADDINGS, ETC</u> <u>(CPAP Work Group No. 125 Unless Otherwise Stated)</u>				
	<u>PREAMBLES FOR TRADES</u>				
	The Model Preambles for Trades (2008 edition) as published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these bills of quantities and no claims arising from brevity of description of items fully described in the said Model Preambles will be entertained				
	<u>ROOF AND WALL INSULATION</u>				
	<u>135 mm Thick Pink-Flexible fibreglass blanket insulation or similar and approved in accordance to SANS 204</u>				
	<u>Insulation</u>				
1	Fill blocks with 50mm thick 47.5 kg/m ³ density mineral wool	m ²	1,095	450.00	492,750.00
2	Cover mineral wool with black lantor cloth	m ²	1,074	185.00	198,690.00
3	10mm x 10mm POLYURETHANE SEALANT TO SANS 1077, TO ARCHITECT'S DETAILS	m	38	150.00	5,700.00
4	10mm Layers of Jointex	m	38	70.00	2,660.00
	Carried to Final Summary			R	699,800.00
	Section No. 7 Bill No. 1 Ground to Third Floor SABC STUDIO 6				

Item No	Unit	Quantity	Rate	Amount
<u>SECTION NO. 8</u>				
<u>BILL NO. 1</u>				
<u>CARPENTRY AND JOINERY (CPAP Work Group No. 126 Unless Otherwise Stated)</u>				
<u>PREAMBLES</u>				
(For preambles refer to :Specification materials and methods to be used"PW 371				
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>Fixing</u>				
Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete				
Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere				
<u>Joinery</u>				
Descriptions of frames shall be deemed to include frames, transomes, rails, etc				
Descriptions of hardwood joinery shall be deemed to include sinking and pelleting heads and nuts of bolts				
<u>Decorative thermosetting plastic laminate covering</u>				
Laminate covering shall be glued under pressure and edge strips of same shall be butt jointed at junctions with adjacent similar finish				
Carried Forward				Included
Section No. 8 Bill No. 1 Ground to Third Floor SABC STUDIO 6				

Refurbishment of Studio 6
RFP/LOG/2020/49 - STAGE 4 TENDER ESTIMATE

	Brought Forward			R	Included
	<u>Wooden beams</u>				
1	200mm H x 100mm W laminated SA Pine wooden beams bolted to existing concrete beam acting as closer to suspended ceiling from slab. Finished with 2 coats clear vanish, sanded lightly between coats	m	42	495.00	20,790.00
	<u>Wall plates, bracing, purlins, battens, etc.</u>				
2	Install 228x50mm SA Pine ceiling Fascia to gallery ceilings.	m	128	200.00	25,600.00
3	Install 50 x 50mm selected SA Pine battens in grid at 600 x 600 mm centres as indicated on elevation drawings.	m	4,895	190.00	930,050.00
4	Install 50 x 50mm selected SA Pine battens in grid as indicated On elevation drawings. Horizontal	m	1,068	180.00	192,240.00
	<u>Skirtings</u>				
5	350 x 30mm laminated timber skirting screwed to wall	m	42	850.00	35,700.00
6	350 x 30mm laminated timber skirting screwed to wall. Note that this skirting to be removable with exposed dome cap screws. Skirting to be installed in 1200mm lengths with butt joints.	m	23	850.00	19,550.00
	<u>Doors, windows, sashes, etc</u>				
	<u>Doors, windows, sashes, fanlights, fly screens and shutters</u>				
7	Sound lock door size 1350 x 2650mm D20 Sem-solid Meranti veneer rebated single door with opening side panel with a solid meranti hardwood single rebate frame in drywall with 3 coats clear matt varnish. Lightly sanded between coats.Fixed with 3 brass plated butt hinges per leaf. handle - Union lockwith thumb cylinder lock. Concealed slididng bolts top and bottom	No	1	25,000.00	25,000.00
	Carried Forward			R	1,248,930.00
Section No. 8 Bill No. 1 Ground to Third Floor SABC STUDIO 6					

Refurbishment of Studio 6
RFP/LOG/2020/49 - STAGE 4 TENDER ESTIMATE

	Brought Forward			R	1,248,930.00
8	Sound lock door size 877 x 2232mm D17/D18 Sem-solid Meranti veneer rebated single door with opening side panel with a solid meranti hardwood single rebate frame in drywall with 3 coats clear matt varnish. Lightly sanded between coats.Fixed with 3 brass plated butt hinges per leaf. handle - Union lockwith thumb cylinder lock. Concealed slidding bolts top and bottom.	No	2	12,500.00	25,000.00
9	Sound lock door size 1270 x 2275mm D16 Sem-solid Meranti veneer rebated single door with opening side panel with a solid meranti hardwood single rebate frame in drywall with 3 coats clear matt varnish. Lightly sanded between coats.Fixed with 3 brass plated butt hinges per leaf. handle - Union lockwith thumb cylinder lock. Concealed slidding bolts top and bottom.	No	1	20,000.00	20,000.00
10	Sound lock door size 1125 x 2650mm D3/D4/D22 Sem-solid Meranti veneer rebated single door with opening side panel with a solid meranti hardwood single rebate frame in drywall with 3 coats clear matt varnish. Lightly sanded between coats.Fixed with 3 brass plated butt hinges per leaf. handle - Union lockwith thumb cylinder lock. Concealed slidding bolts top and bottom.	No	3	22,500.00	67,500.00
11	Timber double glazing windows size 1480 x 1300mm high. Purpose-made high density superwood frame - double frame with neoprene seperation. Masonite Sarah-E cladded with black felt fixed in cavity all around. 8mm safety glass on both size.	No	2	12,500.00	25,000.00
	Carried Forward			R	1,386,430.00
	Section No. 8 Bill No. 1 Ground to Third Floor SABC STUDIO 6				

	Brought Forward			R	1,386,430.00
	<u>Construct vertical cable ducts with cupboard doors hinged counter sunk steel butterfly hinges two per door. Door constructed of 50 x 50mm selected SA Pine frame with 6mm thick Masonite peg board matching wall panel fixed with counter sunk screws. Mineral wool wrapped in black plastic bag fixed with chicken mesh into thickness of door stapled to door frame. Doors fitted spring clips, top and bottom. Each door to be fitted with cupboard aluminium D-handle 100 long</u>				
12	Construct vertical cable ducts with cupboard doors size 1200 x 8150mm high, hinged counter sunk steel butterfly hinges two per door. Door constructed of 50x50mm selected SA pine frame with 6mm thick masonite peg board matching wall panel fixed with counter sunk screws 50mm thick 47,5kg/cube.m. Mineral wool wrapped in black plastic bag fixed with chicken mesh into thickness of door stapled to door frame. Doors fitted with spring clips, top and bottom. Each door to be fitted with cupboard aluminium D-handle 100mm long	No	8	55,000.00	440,000.00
13	Construct vertical cable ducts with cupboard doors size 650 x 8150mm high, hinged counter sunk steel butterfly hinges two per door. Door constructed of 50x50mm selected SA pine frame with 6mm thick masonite peg board matching wall panel fixed with counter sunk screws 50mm thick 47,5kg/cube.m. Mineral wool wrapped in black plastic bag fixed with chicken mesh into thickness of door stapled to door frame. Doors fitted with spring clips, top and bottom. Each door to be fitted with cupboard aluminium D-handle 100mm long	No	6	27,500.00	165,000.00
	Carried Forward			R	1,991,430.00
Section No. 8 Bill No. 1 Ground to Third Floor SABC STUDIO 6					

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Item No	Unit	Quantity	Rate	Amount
<u>SECTION NO. 9</u>				
<u>BILL NO. 1</u>				
<u>CEILINGS, PARTITIONS AND ACCESS FLOORING, ETC (CPAP Work Group No. 129 Unless Otherwise Stated)</u>				
<u>PREAMBLES</u>				
(For preambles refer to :Specification materials and methods to be used"PW 371				
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>Fixing</u>				
Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete				
Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere				
<u>Ceilings</u>				
Unless otherwise described ceilings shall be deemed to be horizontal				
<u>Bulkheads</u>				
Bulkheads are defined as those portions of ceilings which are stepped down from the general ceiling level in a particular room or area and which generally occur along the perimeter. Their purpose is either to conceal services or to create architectural features				
Carried Forward			R	Included
Section No. 9 Bill No. 1 Ground to Third Floor SABC STUDIO 6				

Brought Forward		R	Included
Bulkheads have only been described as such where they conform to the above definition and where the horizontal or vertical dimensions do not exceed 900mm. Where these dimensions are more than 900mm such portions of ceilings have been included in the appropriate general items of ceilings			
Unless otherwise described bulkheads shall be deemed to be horizontal along the length			
<u>Steel components</u>			
All steel components for ceilings, partitions, etc are to be galvanised in accordance with SANS 121			
<u>SUSPENDED CEILINGS</u>			
<u>Proprietary suspended ceilings</u>			
Hangers, suspension grids, "lay-in" panels, etc are to be in accordance with the manufacturers' recommendations			
<u>Ground to Third Floor</u>			
<u>Suspended Ceilings</u>			
1	Supply and install selected 50 x 50mm SA Pine battens at 600 x 600mm centres. Supply and fit galvanized chicken mesh to underside of roof slab. Supply and fit in between battens 47.5 kg/m ³ cubed density mineral wool fixed to chicken mesh with wire clips. Fix and staple lantor cloth and fix 3mm thick sarah E masonite boarding painted with undercoat and two coats Plastic Acrylic PVA paint standard colour.	m2 194 450.00	87,300.00
2	Supply and install selected 50 x 50mm SA Pine battens at 600 x 600mm centres. Supply and fit galvanized chicken mesh to underside of roof slab. Supply and fit in between battens 47.5 kg/m ³ cubed density mineral wool fixed to chicken mesh with wire clips. Fix and staple lantor cloth and fix 3mm thick sarah E masonite boarding painted with undercoat and two coats Plastic Acrylic PVA paint standard colour.	m2 109 450.00	49,050.00
Carried Forward		R	136,350.00
Section No. 9 Bill No. 1 Ground to Third Floor SABC STUDIO 6			

	Brought Forward			R	136,350.00
3	Supply and install vivid white Donn T-hangers at 600 x 600mm centres suspended slab in studio 300mm from roof slab and install Masonite Fine Fissure 600 x 600mm acoustic ceiling tiles laid into grid. Shadow line on one brick wall to be SM25 profile. Supply and install 50mm 47.5kg/m3 thick in black plastic bags sized to fit 600 x 600mm grid of ceiling	m2	123	480.00	59,040.00
4	Supply and install vivid white Donn T-hangers at 600 x 600mm centres suspended slab in studio 300mm from roof slab and install Masonite Fine Fissure 600 x 600mm acoustic ceiling tiles laid into grid. Shadow line on one brick wall to be SM25 profile. Supply and install 50mm 47.5kg/m3 thick in black plastic bags sized to fit 600 x 600mm grid of ceiling	m2	79	480.00	37,920.00
	<u>Partitions</u>				
5	Construct new drywall partition floor slab to roof slab 3700mm high consisting of 63mm galvanized studs, two gypsum boards 12.7mm thick each both sides in staggered joints. skim all joints and clad drywall with chicken mesh stapled to boarding. Cavity in drywall filled with 47.5kg/q.m mineral wool. dry wall cladded with 50x50mm selected SA pine brandering in grid 600x600mm. Fill blocks with 50mm thick 47,5kg/m3 density mineral wool. Cover mineral wool with Lantor cloth and fix 6mm thick Masonite boarding with 6mm holes with 25mm grid fixed over brandering with butt joints. Boards painted with undercoat and 2 coats Plascon Acrylic PVA paint- standard colour.	m	19	1,800.00	34,200.00
	Carried Forward			R	267,510.00
Section No. 9 Bill No. 1 Ground to Third Floor SABC STUDIO 6					

	Brought Forward			R	267,510.00
6	Construct new drywall partition floor slab to roof slab 3300mm high with double boards on both sides consisting of 63mm galvanized studs, two gypsum boards 12.7mm thick each both sides in staggered joints. skim all joints and clad drywall with chicken mesh stapled to boarding. Cavity in drywall filled with 47.5kg/q.m mineral wool. dry wall cladded with 50x50mm selected SA pine brandering in grid 600x600mm. Fill blocks with 50mm thick 47,5kg/m3 density mineral wool. Cover mineral wool with Lantor cloth and fix 6mm thick Masonite boarding with 6mm holes with 25mm grid fixed over brandering with butt joints. Boards painted with undercoat and 2 coats Plascon Acrylic PVA paint- standard colour.	m	15	3,500.00	52,500.00
7	Construct new drywall partition floor slab to roof slab 4300mm high consisting of 63mm galvanized studs, two gypsum boards 12.7mm thick each both sides in staggered joints. skim all joints and clad drywall with chicken mesh stapled to boarding. Cavity in drywall filled with 47.5kg/q.m mineral wool. dry wall cladded with 50x50mm selected SA pine brandering in grid 600x600mm. Fill blocks with 50mm thick 47,5kg/m3 density mineral wool. Cover mineral wool with Lantor cloth and fix 6mm thick Masonite boarding with 6mm holes with 25mm grid fixed over brandering with butt joints. Boards painted with undercoat and 2 coats Plascon Acrylic PVA paint- standard colour.	m	6	1,800.00	10,800.00
	Carried to Final Summary			R	330,810.00
Section No. 9 Bill No. 1 Ground to Third Floor SABC STUDIO 6					

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 10</u>			
	<u>BILL NO. 1</u>			
	<u>FLOOR COVERINGS, WALL LININGS, ETC.(CPAP Work Group No. 130 Unless Otherwise Stated)</u>			
	<u>PREAMBLES</u>			
	(For preambles refer to :Specification materials and methods to be used"PW 371			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Fixing</u>			
	Floor coverings, wall linings, etc shall, where applicable, be fixed with adhesive as recommended by the manufacturers of the flooring, linings, etc			
	<u>FLOOR COVERINGS</u>			
	<u>Tiling</u>			
1	Install sarlon® 15dB acoustic vinyl flooring in accordance with manufacturer's recommendations.Sub-floors must be smooth, hard, clean, and dry before laying commences. Uneven, solid or suspended timber floors may need preparation to meet the required standard. In case of direct to earth concrete, it is essential that a damp proof membrane is incorporated. sarlon® Tech must be allowed to relax for 24 hours in a uniform room temperature between 18°C and 27°C. All sub-floors must be tested for moisture content prior to installation. Note that moisture in the sub-floor will react adversely with the adhesive during the curing period. Recommended adhesive: FloorworX No. 62 acrylic adhesive	m2	466	530.00
				246,980.00
	Carried Forward		R	246,980.00
	Section No. 10 Bill No. 1 Ground to Third Floor SABC STUDIO 6			

Refurbishment of Studio 6

RFP/LOG/2020/49 - STAGE 4 TENDER ESTIMATE

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Item No	Unit	Quantity	Rate	Amount
<u>SECTION NO. 12</u>				
<u>BILL NO. 1</u>				
<u>STRUCTURAL STEELWORK (CPAP Work Group No. 134 Unless Otherwise Stated)</u>				
<u>PREAMBLES</u>				
(For preambles refer to :Specification materials and methods to be used"PW 371				
<i>Consideration is to be given in specific applications (eg where "heavy" steel structures such as in industrial plants, towers for mine shafts, etc are dominant) to implement the principles laid down by the "Measurement for Structural Steelwork" as prepared and recommended by the South African Institute of Steel Construction</i>				
<i>This bill however is based on the Standard System of Measuring Building Work Sixth Edition (Revised)</i>				
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>Descriptions</u>				
Descriptions of bolts shall be deemed to include nuts and washers				
Descriptions of L-shaped and U-shaped anchor bolts shall be deemed to include bending, threading, nuts and washers and embedding in concrete				
Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete				
Provide lump sum and rates per tonne for the supply, fabrication, delivery and erection of the structural steelwork listed below. Steelwork to be Grade 350WA or S355JR(unless otherwise noted) in accordance with SANS 50025 (U.N.O). Rates to include for the preparation of fabrication drawings for approval.				
Carried Forward			R	Included
Section No. 12 Bill No. 1 Ground Floor to Roof SABC STUDIO 6				

Brought Forward			R	Included	
The prices are to include for all normal fabrication labours associated with the type of member described in the Bill, e.g. includes for normal chamfering and notching of flanges on beam to beam and beam to column connections. Weights of notches and holes etc, will not be deducted and weight of welding will not be added.					
<u>STEELWORK</u>					
<u>Beams and 10mm thick end plate for supporting the slab</u>					
1	Steel beams 203x203x46UC. Top flange of new beam to be fixed against the soffit of the existing RC slab by M16 chemical anchors, spaced a 500mm centres. Steel beam to have 260 x 180 x 10mm welded end plates, bolted to existing RC beam by 4M20 chemical anchors	t	16.23	49,000.00	795,270.00
2	Steel beams 254x146x31UB. Top flange of new beam to be fixed against the soffit of the existing RC slab by M16 chemical anchors, spaced a 500mm centres. Steel beam to have 260 x 180 x 10mm welded end plates, bolted to existing RC beam by 4M20 chemical anchors	t	7.14	49,000.00	349,860.00
3	Steel beams 254x146x37UB. Top flange of new beam to be fixed against the soffit of the existing RC slab by M16 chemical anchors, spaced a 500mm centres. Steel beam to have 260 x 180 x 10mm welded end plates, bolted to existing RC beam by 4M20 chemical anchors	t	1.55	49,000.00	75,950.00
4	Steel beams 203x133x25UB . Top flange of new beam to be fixed against the soffit of the existing RC slab by M16 chemical anchors, spaced a 500mm centres. Steel beam to have 260 x 180 x 10mm welded end plates, bolted to existing RC beam by 4M20 chemical anchors	t	1.50	49,000.00	73,500.00
5	Steel columns C152X152X23	t	2.44	49,000.00	119,560.00
Carried Forward				R	1,414,140.00
Section No. 12 Bill No. 1 Ground Floor to Roof SABC STUDIO 6					

Brought Forward				R	1,414,140.00	
<u>Stairs, balustrading, handrails, cat ladders, flooring, etc.</u> <u>integral with structural steelwork</u>						
6	Steel stairs with 'Vastrap' treads. Treads min 270mm, Risers max 150mm. 50mm diameter handrail bolted to stairs and to wall and finished with matt enamel paint over factory painted oxide primer coat.			SUM	10,000.00	
7	50 x 50mm mild steel handrail rode. Stainless mild stanchion post with clearVu fence with 1100mm wide gates	m	128	3,200.00	409,600.00	
8	75 x 75mm 4.6m long mild steel post to underside of slab	No	23	1,610.00	37,030.00	
9	Replace existing mild steel columns in staircase to match existing profile. Sand down existing steel balustrades and finish with red oxide paint and 3 coats matt enamel paint. Supply and fit 75x50mm Meranti handrail on top of steel rail with rounded corners to match existing. Finish timer with 3 coats matt varnish sanded in between coats. All counter sunk crews to be plugged and filled t			SUM	250,000.00	
Carried to Final Summary					R	2,120,770.00
Section No. 12 Bill No. 1 Ground Floor to Roof SABC STUDIO 6						

Item No	Unit	Quantity	Rate	Amount
<u>SECTION NO. 13</u>				
<u>BILL NO. 1</u>				
<u>METALWORK (CPAP Work Group No. 136 Unless Otherwise Stated)</u>				
<u>PREAMBLES</u>				
<u>(For preambles refer to :Specification materials and methods to be used"PW 371</u>				
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>Descriptions of bolts, anchors, etc</u>				
Descriptions of bolts shall be deemed to include nuts and washers				
Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete				
Items described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described				
Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres				
Carried Forward				
Section No. 13 Bill No. 1 Ground to Third Floor SABC STUDIO 6				R Included

Brought Forward			R	Included
<u>Aluminium doors, windows, etc</u> Doors and windows shall comply with AAAMSA design criteria Glazing shall comply with SAGGA regulations. Glass shall be maximum laminated performance glass as shown on the window schedules/drawings appended to these bills of quantities as described in the headings to window descriptions. Glass thickness shall comply with SAGGA regulations irrespective of thicknesses shown on the schedules/drawings Doors and windows shall be supplied with protective tape and plastic and shall be removed only once surrounding trades have been completed For purpose made windows and doors, refer to drawings annexed to these bills of quantities The following certificates shall be provided prior to commencement of site work: 1 A copy of the relevant AAAMSA Performance Test Certificate from the manufacturer/contractor supplying the architectural aluminium product 2 A Certificate of Conformance confirming that anodising or powder coating has been processed in accordance with SANS 999 and SANS 1796 respectively				
Carried Forward Section No. 13 Bill No. 1 Ground to Third Floor SABC STUDIO 6			R	Included

Brought Forward				R	Included
3	A powder guarantee of not less than 15 years issued by the powder manufacturer. The specific conditions contained in this guarantee shall form part of the powder coating process				
4	A Certificate of Conformance confirming that glazing has been installed in accordance with SANS 0137, ensuring that safety glazing materials have been installed in the mandatory areas and that each individual pane of safety glazing materials has been permanently marked				
5	A warranty from the manufacturer of the laminated safety glass and/or hermetically sealed glazing units guaranteeing the products against delamination and colour degradation for period of not less than five years				
a					
<u>Sundry Steelwork</u>					
<u>Sheeting, wire mesh, screening, expanded metal, gratings and the likes</u>					
1	22 x 55mm Mentis flatex 344 flattened expanded metal mesh	m2	451	95.00	42,845.00
2	Galvanized chicken mesh	m2	1,095	95.00	104,025.00
3	Construct and install new steel mesh fencing 4100mm high	m	15	1,500.00	22,500.00
<u>STEEL DOORS</u>					
<u>Pressed steel doors</u>					
4	Double steel rebated sound lock door fitted to new purpose made steel frame. Frame to be finished with hammertone finish, factory applied. Top needle roller hinge. Bottom single ball thrust bearing hinge. Cast aluminium door handle. Steel pin lock as per existing studio 7 doors.	No	2	1,100,000.00	2,200,000.00
Carried Forward					R 2,369,370.00
Section No. 13 Bill No. 1 Ground to Third Floor SABC STUDIO 6					

Refurbishment of Studio 6
RFP/LOG/2020/49 - STAGE 4 TENDER ESTIMATE

	Brought Forward			R	2,369,370.00
5	Sound lock door size 1360 x 2650mm D5/D6/D7(2 right handed, 1left handed). Steel rebated sound lock door fitted to new purpose made steel frame. Frame to be finished with hammertone finish, factory applied. Top needle roller hinge. Bottom single ball thrust bearing hinge. Cast aluminium door handle. With 2 x 6.25mm glass panels.				
		No	3	185,000.00	555,000.00
6	Sound lock door size 1440 x 2800mm D8 (Right handed). Steel rebated sound lock door fitted to new purpose made steel frame. Frame to be finished with hammertone finish, factory applied. Top needle roller hinge. Bottom single ball thrust bearing hinge. Cast aluminium door handle. With 2 x 6.25mm glass panels.				
		No	1	225,000.00	225,000.00
7	Sound lock door size 1360 x 2000mm D9/D10 (1 left handed, 1 right handed). Steel rebated sound lock door fitted to new purpose made steel frame. Frame to be finished with hammertone finish, factory applied. Top needle roller hinge. Bottom single ball thrust bearing hinge. Cast aluminium door handle. With 2 x 6.25mm glass panels.				
		No	2	185,000.00	370,000.00
8	Sound lock door size 1360 x 2550mm D11 (Right handed). Steel rebated sound lock door fitted to new purpose made steel frame. Frame to be finished with hammertone finish, factory applied. Top needle roller hinge. Bottom single ball thrust bearing hinge. Cast aluminium door handle. With 2 x 6.25mm glass panels.				
		No	1	185,000.00	185,000.00
9	Sound lock door size 1470 x 250mm D14 (Right handed). Steel rebated sound lock door fitted to new purpose made steel frame. Frame to be finished with hammertone finish, factory applied. Top needle roller hinge. Bottom single ball thrust bearing hinge. Cast aluminium door handle. With 2 x 6.25mm glass panels.				
		No	1	185,000.00	185,000.00
	Carried Forward			R	3,889,370.00
Section No. 13 Bill No. 1 Ground to Third Floor SABC STUDIO 6					

	Brought Forward			R	3,889,370.00
10	Sound lock door size 900 x 2100mm D13/D13A (1 right handed, 1 left handed). Steel rebated sound lock door fitted to new purpose made steel frame. Frame to be finished with hammertone finish, factory applied. Top needle roller hinge. Bottom single ball thrust bearing hinge. Cast aluminium door handle. With 2 x 6.25mm glass panels.	No	2	165,000.00	330,000.00
11	Sound lock door size 1470 x 2500mm D15/D15A (2 right handed). Steel rebated sound lock door fitted to new purpose made steel frame. Frame to be finished with hammertone finish, factory applied. Top needle roller hinge. Bottom single ball thrust bearing hinge. Cast aluminium door handle. With 2 x 6.25mm glass panels.	No	2	210,000.00	420,000.00
12	Sound lock door size 1440 x 2800mm D19 (Right handed). Steel rebated sound lock door fitted to new purpose made steel frame. Frame to be finished with hammertone finish, factory applied. Top needle roller hinge. Bottom single ball thrust bearing hinge. Cast aluminium door handle. With 2 x 6.25mm glass panels.	No	1	275,000.00	275,000.00
13	Sound lock door size 1360 x 2550mm D21 (Right handed). Steel rebated sound lock door fitted to new purpose made steel frame. Frame to be finished with hammertone finish, factory applied. Top needle roller hinge. Bottom single ball thrust bearing hinge. Cast aluminium door handle. With 2 x 6.25mm glass panels.	No	1	185,000.00	185,000.00
	<u>Adjustable louvres</u>				
	<u>Mild Steel Louvres</u>				
14	Louvres size 3010 x 1260mm high. 82mm high x 1.5mm thick weather louvre in mild steel with factory primed red oxide primer with enamel paint. Sand down existing timber door and varnish 3 coats clear varnish sanded lightly between coats. 40mm wide x 50mm deep angle frame fabricated from mild steel with factory primed red oxide primer and 2 coats SABS approved matt enamel paint. Bird screen 10mm x 10mm grid x 1mm diameter wire bird mesh to be galvanized	No	4	6,500.00	26,000.00
	Carried Forward			R	5,125,370.00
	Section No. 13 Bill No. 1 Ground to Third Floor SABC STUDIO 6				

Brought Forward				R	5,125,370.00
15	Louvres 4160 x 1260mm high.82mm high x 1.5mm thick weather louvre in mild steel with factory primed red oxide primer with enamel paint. Sand down existing timber door and varnish 3 coats clear varnish sanded lightly between coats. 40mm wide x 50mm deep angle frame fabricated from mild steel with factory primed red oxide primer and 2 coats SABS approved matt enamel paint. Bird screen 10mm x 10mm grid x 1mm diameter wire bird mesh to be galvanized	No	2	5,500.00	11,000.00
<u>Brackets, anchors, etc</u>					
16	450 Long galvanized metal straps fixed onto steel columns and built into the wall at every third course	No	266	95.00	25,270.00
Carried to Final Summary				R	5,161,640.00
Section No. 13 Bill No. 1 Ground to Third Floor SABC STUDIO 6					

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 14</u>			
	<u>BILL NO. 1</u>			
	<u>PLASTERING (CPAP Work Group No. 142 Unless Otherwise Stated)</u>			
	<u>PREAMBLES</u>			
	(For preambles refer to :Specification materials and methods to be used"PW 371			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>PLASTERING</u>			
	<u>SCREEDS</u>			
	<u>Screeds steel trowelled, on concrete</u>			
1	Install new 30mm thick screed with steel trowel finish. Allow for expansion joints every 3m.	m2	2,659	195.00
				518,505.00
	<u>INTERNAL PLASTER</u>			
	<u>Compo plaster steel trowelled, on concrete</u>			
2	Apply 13mm plaster with steel trowl finish onto brick wall	m2	1,949	85.00
				165,665.00
	<u>EXTERNAL PLASTER</u>			
	<u>Compo plaster steel trowelled, on concrete</u>			
3	Apply 13mm plaster with steel trowl finish onto brick wall	m2	250	85.00
				21,250.00
4	Apply 13mm plaster with steel trowl finish onto brick wall	m2	5	85.00
				425.00
	Carried to Final Summary		R	705,845.00
	Section No. 14 Bill No. 1 Ground to Third Floor SABC STUDIO 6			

[illegible]

Item No	Quantity	Rate	Amount
<u>SECTION NO. 16</u>			
<u>BILL NO. 1</u>			
<u>PAINTWORK (CPAP Work Group No. 152 Unless Otherwise Stated)</u>			
<u>PREAMBLES</u>			
(For preambles refer to :Specification materials and methods to be used"PW 371			
<u>PREPARATORY WORK TO EXISTING WORK</u>			
<u>Previously painted plastered surfaces</u>			
Surfaces shall be thoroughly washed down and allowed to dry completely before any paint is applied. Blistered or peeling paint shall be completely removed and cracks shall be opened, filled with a suitable filler and finished smooth			
<u>Previously painted metal surfaces</u>			
Surfaces shall be thoroughly rubbed and cleaned down. Blistered or peeling paint shall be completely removed down to bare metal			
<u>Previously painted wood surfaces</u>			
Surfaces shall be thoroughly cleaned down. Blistered or peeling paint shall be completely removed and cracks and crevices shall be primed, filled with suitable filler and finished smooth			
<u>PAINT SPECIFICATIONS</u>			
All painting shall be done in accordance with the architect's specifications			
<u>COLOURS</u>			
Unless otherwise described all paintwork shall be deemed to have a colour value in excess of 7 on the Munsell system in accordance with SANS 1091			
Carried Forward			R Included
Section No. 16 Bill No. 1 Ground to Third Floor SABC STUDIO 6			

Brought Forward			R	Included	
<u>PAINTWORK, ETC TO NEW WORK</u>					
<u>ON INTERNAL FLOATED PLASTER SURFACES</u>					
1	Apply primer paint to plastered walls	m2	1,172	75.00	87,900.00
2	Apply a single coat of paint to plastered walls	m2	1,172	75.00	87,900.00
<u>ON EXTERNAL FLOATED PLASTER SURFACES</u>					
3	Apply primer to plastered walls	m2	255	60.00	15,300.00
4	Apply a double coat of paint to plastered walls	m2	255	60.00	15,300.00
<u>Paintwork to Ceiling Panels</u>					
5	Paint ceiling panels with undercoat and two coats Plastic Acrylic PVA paint standard colour.	m2	595	100.00	59,500.00
<u>Paintwork to Expanded Mesh</u>					
6	Factory primer coat and factory sprayed matt black enamel two coats	m2	431	90.00	38,790.00
Carried to Final Summary				R	304,690.00
Section No. 16 Bill No. 1 Ground to Third Floor SABC STUDIO 6					

Item No		Unit	Quantity	Rate	Amount
	<u>SECTION NO. 17</u>				
	<u>BILL NO.1</u>				
	<u>HEATING, VENTILATION AND AIR CONDITIONING</u>				
	<u>Preliminaries and General</u>				
	<u>Special Preliminary and General Conditions Pertaining to this Subcontract</u>				
1	Shop Drawings		Item		50,000.00
2	Engineering Services		Item		75,000.00
3	12 Months Maintenance (as per spec)		Item		Included
4	Test and Inspections		Item		25,000.00
	<u>Inspection of Documents</u>				
	<u>It is hereby deemed that the tenderer shall have carried out a full and detailed inspection of all drawings, tender documents (Part1,2,3,4) and site conditions prior to the submission of the tender for this project. By such an inspection the tenderer shall be deemed to be fully informed in all matters which may influence his tender. No claim of any nature whatsoever will be considered after the submission of tenders, due to failure on the part of the tenderer to fulfill the obligation.</u> <u>Cognisance must be taken of all the information when pricing. Should the tenderer consider that inadequate information has been provided he shall apply in writing to Graeme Page Consulting Engineers for complete information, as no claim in this respect will be considered after receipt of tenders.</u>				
	Carried Forward			R	150,000.00
	Section No. 17 Bill No. 1 HVAC SABC STUDIO 6				

Brought Forward			R	150,000.00
<u>Contract</u>				
<u>The successful tenderer for the Heating, Ventilation and Air Conditioning installation will be appointed as a selected sub-contractor to the main contractor.</u>				
<u>The preliminaries applicable to the Main Contract Agreement are included in Part 3 of this tender document.</u>				
<u>The Terms and Conditions of Contract shall be in general accordance with JBCC Series 2000 Edition 6.1 published March 2014 N-S Subcontract Agreement Contract Data SE</u>				
<u>The penalties for late completion shall be as stated in the preliminaries applicable to the Main Contract Agreement in Part 3 of this tender document.</u>				
<u>Contract Period</u>				
The construction on site has already commenced and practical completion for the project will be as provided by the PQS documentation.				
Tenderers are to ensure that they can comply with the programme requirements of the Main Contract. High level program is included by the PQS				
<u>Pricing of Tenders</u>				
Prices are required to be included in the tender for each offer and in the right is hereby reserved to accept all or part of the items listed and priced for. The prices shall be presented and be compiled in the tender pricing schedule included in Part 1.				
Carried Forward			R	150,000.00
Section No. 17 Bill No. 1 HVAC SABC STUDIO 6				

Brought Forward

R

150,000.00

Foreign Exchange Risks

Preference will be given to tenders for which forward cover against foreign exchange variations will be provided by the tenderer. The tenderer shall state in the Price Adjustment Schedule whether he will provide this cover.

If no mention is made, it is accepted that the contractor allowed in the tender price for forward cover against foreign exchange variations. If the contract price or part thereof is subjected to adjustment for variations in rates of foreign exchange, the rate applied shall be that ruling at the date of the contractual despatch ex-factory

Escalation

The fully completed tender price and rates shall be fixed and firm for the duration of the contract and shall not be subjected to escalation.

Value Added Tax

Tenderers shall allow for Value Added Tax in the tender prices as indicated in the Form of Tender and if applicable, the Schedule of Quantities. VAT is currently applicable and shall apply. Should the percentage tax be adjusted during the currency of the contract, the increase or decrease will apply only to such materials as have been purchased at the date of the change.

Alternative Offers

If the Tenderer wishes to submit other offers in place of any of the provisions of the Requirements for Tendering, Conditions of Contract, Specification or Schedules, he shall set out details of his proposals in a separate covering letter.

Carried Forward

R

150,000.00

Section No. 17
Bill No. 1
HVAC
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Brought Forward				R	150,000.00
<u>Schedule of Sub-Contracts</u>					
The Tenderer shall state in the Schedule of Proposed Sub-Contractors the name of any Sub-Contractors he proposes to employ to assist him to complete the Works and the proposed extent of the Sub-Contractor's responsibilities. All sub-contractors who are proposed to be used during the contract must be nominated in order of the Engineer or Client's representative to sanction such choices					
<u>Copyright</u>					
No part of any document enclosed in this enquiry may be copied, photographed or repeated in any manner or by any processes without the written consent of the Engineer. Copyright is reserved on all designs, specifications, patents and patentable designs, systems and processes contained in the documents and drawings. The person, firm, body or contractor to whom these documents and drawings are issued or made available, shall be held responsible, jointly or severally, in their personal and corporate capabilities for any contravention of this requirement for tendering and/or copyright clause contained in the documents					
<u>Existing Air Handling Units</u>					
5	Dismantling, demolition and removal of existing Air Handling Units and associated ducting, chilled water piping.		Item		200,000.00
<u>TV Production Studio</u>					
6	Supply and install new chilled water air handling units, c/w humidity control, new electronic control valves. Units to be built in situ on site.	m2	574	2,100.00	1,205,400.00
<u>Equipment Room</u>					
7	Supply and install closed control chilled water top discharge unit c/w humidity control. New electronic control valves.	m2	33	11,364.00	375,012.00
Carried Forward				R	1,930,412.00
Section No. 17 Bill No. 1 HVAC SABC STUDIO 6					

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Item No	Unit	Quantity	Rate	Amount
<u>SECTION NO. 18</u>				
<u>BILL NO.1</u>				
<u>Preliminaries and General</u>				
<u>TENDER DOCUMENTATION</u>				
The Tenderers shall check the number of pages, and should any be missing or duplicate or the reproduction be indistinct, or if any doubt exist as to the full extent and meaning of any description, or this document contains any obvious errors, the Tenderers shall notify the Fire Engineer at once for rectification. No liability whatsoever will be admitted in respect of errors in any tender due to above-mentioned causes.				
<u>DESCRIPTION OF PROJECT</u>				
As a rough guide only to Tenderers, the work in this contract comprises:				
The installations of new;				
• Detection and alarm system • Gas suppression system • Smoke ventilation system • Fire extinguishers • Fire hose reels • Fire hydrants • Fire doors • Sealing of penetrations through fire walls				
Carried Forward			R	Included
Section No. 18 Bill No. 1 Fire Protection SABC STUDIO 6				

Brought Forward			R	Included
<u>SUBMISSION OF TENDERS</u> The Form of Tender is to be competed in full and returned in a sealed envelope marked: Tender for fire protection systems for the SABC – Studio 6 revamp The Tender is to be returned to the office of FENCO Fire Engineers & Consultants on or before the closing time and date. Tenders will not be opened in public. No other details of the submissions will be disclosed. <u>INSPECTION OF SITE DRAWINGS</u> Site drawings will be made available on request <u>INSPECTION OF SITE</u> Site inspections will be made available on request <u>TENDER DOCUMENTATION</u> The tenderers shall check the number of pages <u>FLUCTUATION OF BUILDING COST</u> The tender shall remain fixed for the duration of the project.				
Carried Forward Section No. 18 Bill No. 1 Fire Protection SABC STUDIO 6			R	Included

Brought Forward		R	Included
<u>TENDERS</u>			
Value Added Tax (VAT) needs to be excluded in pricing			
<u>NOTES REGARDING INSTALLATION</u>			
All Builder's Work and electrical supplies will be carried out by others.			
<u>Fire Protection</u>			
<u>Base Building</u>			
1	Gas suppression	Item	7,000,000.00
2	Fire Hose Reels	Item	42,750.00
3	Fire Hydrant including mains	Item	56,020.00
4	Fire Extinguishers	Item	12,240.00
5	Fire Signage	Item	11,940.00
6	Smoke ventilation Exctraction	Item	140,000.00
7	Fire stopping to Penetration	Item	100,000.00
Carried to Final Summary		R	7,362,950.00
Section No. 18 Bill No. 1 Fire Protection SABC STUDIO 6			

Item No		Unit	Quantity	Rate	Amount
	<u>SECTION NO. 19</u>				
	<u>BILL NO.1</u>				
	<u>ELECTRICAL WORK</u>				
	<u>Preliminaries and General</u>				
1	Preliminaries and General			SUM	587,596.23
	<u>Part 1</u>				
	<u>CONDITIONS OF CONTRACT</u>				
	<u>Provisional and General items in order to comply with the Conditions of Contract associated with the works contained in this document.</u>				
	<u>PART 2</u>				
	<u>STANDARD PRELIMINARIES</u>				
	<u>Competency Certificates</u>				
2	Construction Regulation - Health & Safety	m			Included
	<u>Work Programme</u>				
	<u>Equipment Selections</u>				
	<u>Workshop Drawings</u>				
	<u>Performance Tests and Inspections</u>				
	<u>Statutory tests and certification</u>				
	<u>Training of Staff</u>				
	<u>"As Built" drawings</u>				
	<u>Operating and Maintenance manuals</u>				
	<u>Liabilities Maintenance</u>				
	Carried Forward			R	587,596.23
	Section No. 19 Bill No. 1 Electrical SABC STUDIO 6				

Brought Forward				R	587,596.23
<u>Pricing of Rates</u>					
<u>Increase in labour intensity</u>					
<u>OTHER ITEMS</u>					
<u>Any other items tenderers may wish to add of a preliminary and general nature not specifically mentioned above in order to comply with the specification and contract conditions.</u>					
<u>LOW VOLTAGE DISTRIBUTION</u>					
<u>DISTRIBUTION BOARDS</u>					
<u>The installation of the following distribution boards, inclusive of taking delivery, storage, rigging in place, positioning & electrical terminations and issue of COC. Includes the supply of the boards - to be supplied by a specialist firm. To include for factory acceptance tests at manufacturer workshop (Supply & Install)</u>					
<u>DB B14, B14E & B14.5, B14.5E (Main DB - Second Floor)</u>					
3	Supply of DB	No	1	650,000.00	650,000.00
4	Off loading, taking delivery, attendance & storage	No	1	10,600.00	10,600.00
5	Rigging in place, positioning of the LV panel in plantroom	No	1	10,600.00	10,600.00
6	Installation, electrical connection, testing and commissioning of the LV panel	No	1	10,600.00	10,600.00
<u>DB B14.6, B14.6E (Sub DB - Third Floor)</u>					
7	Supply of DB	No	1	150,000.00	150,000.00
8	Off loading, taking delivery, attendance & storage	No	1	5,600.00	5,600.00
9	Rigging in place, positioning of the LV panel in plantroom	No	1	5,600.00	5,600.00
Carried Forward				R	1,430,596.23
Section No. 19 Bill No. 1 Electrical SABC STUDIO 6					

Refurbishment of Studio 6
RFP/LOG/2020/49 - STAGE 4 TENDER ESTIMATE

	Brought Forward			R	1,430,596.23
10	Installation, electrical connection, testing and commissioning of the LV panel	No	1	5,600.00	5,600.00
	<u>DB B14.6.1, B14.6.1E (Sub DB - AC Plant Room)</u>				
11	Supply of DB	No	1	75,000.00	75,000.00
12	Off loading, taking delivery, attendance & storage	No	1	5,600.00	5,600.00
13	Rigging in place, positioning of the LV panel in plantroom	No	1	5,600.00	5,600.00
14	Installation, electrical connection, testing and commissioning of the LV panel	No	1	5,600.00	5,600.00
	<u>DB 14.5T (TV Tech Board - Second Floor)</u>				
15	Supply of DB	No	1	55,000.00	55,000.00
16	Off loading, taking delivery, attendance & storage	No	1	5,600.00	5,600.00
17	Rigging in place, positioning of the LV panel in plantroom	No	1	5,600.00	5,600.00
18	Installation, electrical connection, testing and commissioning of the LV panel	No	1	5,600.00	5,600.00
	<u>CABLES</u>				
	<u>600/1000V steel wire armoured cable in shaft, sleeve, trench, on cable rack or on surface, including strapping or clamping, supports, etc. (Supply & Installation)</u>				
19	2.5 mm ² x 4 core	m		62.66	Included
20	4 mm ² x 4 core	m	200	81.85	16,370.00
21	6 mm ² x 4 core	m	10	101.31	1,013.10
22	10 mm ² x 4 core	m	400	146.00	58,400.00
23	16 mm ² x 4 core	m	220	183.56	40,383.20
24	25 mm ² x 4 core	m	40	294.88	11,795.20
	Carried Forward			R	1,727,757.73
	Section No. 19 Bill No. 1 Electrical SABC STUDIO 6				

Refurbishment of Studio 6
RFP/LOG/2020/49 - STAGE 4 TENDER ESTIMATE

		Brought Forward			R	1,727,757.73
25	35 mm ² x 4 core	m	100	398.17		39,817.00
26	50 mm ² x 4 core	m	60	513.75		30,825.00
27	70 mm ² x 4 core	m	10	700.93		7,009.30
28	95 mm ² x 4 core	m	60	928.83		55,729.80
29	120 mm ² x 4 core	m	10	1,181.20		11,812.00
30	150 mm ² x 4 core	m	100	1,429.13		142,913.00
31	185 mm ² x 4 core	m	200	1,753.46		350,692.00
	<u>CABLE TERMINATIONS</u>					
	<u>Terminate and connect 600/1000V steel wire armoured Cu cable, including drilling, bolting, lugs, number tags, core markers, gland, shroud, heat shrink, etc. (Supply & Installation)</u>					
32	2.5 mm ² x 4 core	No		239.61		Included
33	4 mm ² x 4 core	No	8	271.30		2,170.40
34	6 mm ² x 4 core	No	2	334.29		668.58
35	10 mm ² x 4 core	No	10	371.37		3,713.70
36	16 mm ² x 4 core	No	8	458.14		3,665.12
37	25 mm ² x 4 core	No	4	358.32		1,433.28
38	35 mm ² x 4 core	No	6	664.97		3,989.82
39	50 mm ² x 4 core	No	4	786.58		3,146.32
40	70 mm ² x 4 core	No	2	1,043.20		2,086.40
41	95 mm ² x 4 core	No	6	1,232.00		7,392.00
42	120 mm ² x 4 core	No	4	1,369.58		5,478.32
43	150 mm ² x 4 core	No	2	1,598.58		3,197.16
		Carried Forward			R	2,403,496.93
	Section No. 19 Bill No. 1 Electrical SABC STUDIO 6					

	Brought Forward			R	2,403,496.93
44	185 mm ² x 4 core	No	20	1,802.73	36,054.60
	<u>EARTH CONDUCTORS</u>				
	<u>Copper earth conductor with green & yellow insulation outer sheath in trench or sleeve, on racking, steelwork or strapped to cable (Supply & Installation)</u>				
45	4 mm ² copper conductor	m	200	26.85	5,370.00
46	6 mm ² copper conductor	m	10	26.85	268.50
47	10 mm ² copper conductor	m	400	35.53	14,212.00
48	16 mm ² copper conductor	m	220	48.68	10,709.60
49	25 mm ² copper conductor	m	40	75.71	3,028.40
50	35 mm ² copper conductor	m	100	98.04	9,804.00
51	50 mm ² copper conductor	m	60	134.78	8,086.80
52	70 mm ² copper conductor	m	10	184.97	1,849.70
53	95 mm ² copper conductor	m	60	261.39	15,683.40
54	120 mm ² copper conductor	m	10	355.28	3,552.80
55	150 mm ² copper conductor	m	100	454.36	45,436.00
56	185 mm ² copper conductor	m	200	526.69	105,338.00
	<u>EARTH TERMINATIONS</u>				
	<u>Terminate and connect earth conductor including lug, bolt, nut, etc. (Supply & Installation)</u>				
57	4 mm ² conductor termination	No	8	146.87	1,174.96
58	6 mm ² conductor termination	No	2	146.87	293.74
59	10 mm ² conductor termination	No	10	162.08	1,620.80
	Carried Forward			R	2,665,980.23
	Section No. 19 Bill No. 1 Electrical SABC STUDIO 6				

Refurbishment of Studio 6
RFP/LOG/2020/49 - STAGE 4 TENDER ESTIMATE

	Brought Forward			R	2,665,980.23
60	16 mm ² conductor termination	No	8	191.24	1,529.92
61	25 mm ² conductor termination	No	4	243.44	973.76
62	35 mm ² conductor termination	No	6	301.34	1,808.04
63	50 mm ² conductor termination	No	4	331.67	1,326.68
64	70 mm ² conductor termination	No	2	369.24	738.48
65	95 mm ² conductor termination	No	6	416.72	2,500.32
66	120 mm ² conductor termination	No	4	460.75	1,843.00
67	150 mm ² conductor termination	No	2	531.66	1,063.32
68	185 mm ² conductor termination	No	20	590.76	11,815.20
	<u>CABLE JOINTS</u>				
	<u>Joint kit for 600/1000V steel wire armoured cables in shaft, sleeve, trench, on cable rack or on surface, including strapping or clamping, supports, etc. (Supply & Installation)</u>				
69	185 mm ² x 4 core	No	10	3,744.26	37,442.60
	<u>Join earth conductors together including suitable ferrule and heat shrink, etc. (Supply & Installation)</u>				
70	185 mm ² copper conductor	No	10	638.53	6,385.30
	<u>CABLE TRAY</u>				
	<u>Heavy-duty, powder coated (colours as per drawings) cable trays including all accessories, floor/wall/soffit mounted horizontally/vertically on a P1000 stand off bracket or P4000 unistrut hanger with 10mm ϕ threaded rod suspensions [1000mm dropper] for overhead installation. The Contractor to allow for splice sets, reducers, elbows, risers, droppers, T-pieces, bonding of cable ways etc. (Supply & Installation)</u>				
	Carried Forward			R	2,733,406.85
Section No. 19 Bill No. 1 Electrical SABC STUDIO 6					

Refurbishment of Studio 6
RFP/LOG/2020/49 - STAGE 4 TENDER ESTIMATE

	Brought Forward			R	2,733,406.85
	<u>Straight cable tray [including off sets]</u>				
71	150mm Wide	m	180	213.93	38,507.40
72	300mm Wide	m	340	427.85	145,469.00
73	400mm Wide	m	340	506.28	172,135.20
74	500mm Wide	m	10	709.85	7,098.50
75	600mm Wide	m	450	851.82	383,319.00
76	800mm Wide	m	70	1,135.76	79,503.20
77	1000mm Wide	m			Included
	<u>Horizontal bend,</u>				
78	150mm Wide	No	2	410.64	821.28
79	300mm Wide	No	12	467.05	5,604.60
80	400mm Wide	No	20	505.50	10,110.00
81	500mm Wide	No	1	551.56	551.56
82	600mm Wide	No	10	594.69	5,946.90
83	800mm Wide	No	2	750.00	1,500.00
84	1000mm Wide	No			Included
	<u>External/Internal elbow</u>				
85	150mm Wide	No	2	420.69	841.38
86	300mm Wide	No	12	452.17	5,426.04
87	400mm Wide	No	20	475.75	9,515.00
88	500mm Wide	No	1	505.30	505.30
89	600mm Wide	No	10	535.19	5,351.90
	Carried Forward			R	3,605,613.11
	Section No. 19 Bill No. 1 Electrical SABC STUDIO 6				

Refurbishment of Studio 6
RFP/LOG/2020/49 - STAGE 4 TENDER ESTIMATE

		Brought Forward			R	3,605,613.11
90	800mm Wide	No	2	624.88		1,249.76
91	1000mm Wide	No				Included
	<u>Tee-Junction</u>					
92	150mm Wide	No	2	599.09		1,198.18
93	300mm Wide	No	4	660.75		2,643.00
94	400mm Wide	No	2	746.32		1,492.64
95	500mm Wide	No	1	800.41		800.41
96	600mm Wide	No	1	891.91		891.91
97	800mm Wide	No	1	950.00		950.00
98	1000mm Wide	No		1,000.00		Included
	<u>CABLE LADDERS</u>					
	<u>Heavy-duty cable ladders, hot-dip galvanised (HDG) finish including all accessories, floor/wall/soffit mounted horizontally/vertically on a P1000 stand off bracket or P4000 unistrut hanger with 10mm ø threaded rod suspensions [1000mm dropper] for overhead installation. The Contractor to allow for splice sets, reducers, elbows, risers, droppers, T-pieces, bonding of cable ways etc. (Supply & Installation)</u>					
99	150mm Wide	m		607.74		Included
100	300mm Wide	m	20	712.23		14,244.60
101	400mm Wide	m		804.73		Included
102	500mm Wide	m		910.11		Included
103	600mm Wide	m	10	996.13		9,961.30
104	800mm Wide	m	10	1,156.98		11,569.80
		Carried Forward			R	3,650,614.71
	Section No. 19					
	Bill No. 1					
	Electrical					
	SABC					
	STUDIO 6					

Refurbishment of Studio 6
RFP/LOG/2020/49 - STAGE 4 TENDER ESTIMATE

		Brought Forward			R	3,650,614.71
	<u>Horizontal bend</u>					
105	150mm Wide	No		885.90	Included	
106	300mm Wide	No	2	1,005.77		2,011.54
107	400mm Wide	No		1,109.23	Included	
108	500mm Wide	No		1,253.20	Included	
109	600mm Wide	No	1	1,410.19		1,410.19
110	800mm Wide	No	1	1,722.78		1,722.78
	<u>External/Internal elbow</u>					
111	150mm Wide	No		807.42	Included	
112	300mm Wide	No	2	881.68		1,763.36
113	400mm Wide	No		937.64	Included	
114	500mm Wide	No		1,013.72	Included	
115	600mm Wide	No	4	1,308.40		5,233.60
116	800mm Wide	No	4	1,519.02		6,076.08
	<u>Tee-Junction</u>					
117	150mm Wide	No		1,273.28	Included	
118	300m Wide	No	2	1,476.47		2,952.94
119	400mm Wide	No		1,606.88	Included	
120	500mm Wide	No		1,788.22	Included	
121	600mm Wide	No	1	2,200.96		2,200.96
122	800mm Wide	No	1	2,582.61		2,582.61
	<u>SUBSTATION FITTINGS AND ACCESSORIES</u>					
		Carried Forward			R	3,676,568.77
	Section No. 19 Bill No. 1 Electrical SABC STUDIO 6					

	Brought Forward			R	3,676,568.77
	<u>Provide complete furnished and fitted LV cupboard, plantroom per standard specification (Supply & Installation)</u>				
123	Notices and Danger Signs - L.V. Cupboards / Plantroom	No	4	3,020.82	12,083.28
124	A0 drawing display frame in LV Cupboards /Plantroom	No	4	2,277.06	9,108.24
	<u>TESTING AND COMMISSIONING</u>				
125	Test, commission and certify entire electrical installation			SUM	69,293.03
126	Issue Electrical Certificate of Compliance (COC) for all distribution boards and the entire installation			SUM	39,756.34
	<u>POWER INSTALLATION</u>				
	<u>CONDUIT</u>				
	<u>SANS approved galvanised conduit complete with bends, joints, adaptors, couplings, saddles, cutting, etc. (Supply & Installation)</u>				
	<u>Built or chased into brickwork or dry-wall</u>				
127	20 mm φ conduit	m	200	71.97	14,394.00
128	25 mm φ conduit	m	50	84.68	4,234.00
129	32 mm φ conduit	m		104.41	Included
130	50 mm φ conduit	m	40	165.00	6,600.00
	<u>Surface mounted to any surface by means of stand-off saddles (Supply & Installation)</u>				
131	20 mm φ conduit	m	1,800	65.01	117,018.00
132	25 mm φ conduit	m	220	78.61	17,294.20
133	32 mm φ conduit	m		96.01	Included
134	50 mm φ conduit	m	200	165.00	33,000.00
	Carried Forward			R	3,999,349.86
	Section No. 19 Bill No. 1 Electrical SABC STUDIO 6				

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Refurbishment of Studio 6
RFP/LOG/2020/49 - STAGE 4 TENDER ESTIMATE

	Brought Forward			R	4,144,208.36
	<u>Fittings and accessories complete with all necessary screws, cover plates, labelling, cradles, including all holes, drilling, etc. (Supply & Installation)</u>				
149	16A, 3-Pin flush mounted switched socket outlet	No	50	233.30	11,665.00
150	16A, 3-Pin flush mounted switched socket outlet, [double]	No	10	286.51	2,865.10
151	16A, 3-Pin industrial switched socket outlet complete with surface mounted box, weatherproof	No	2	810.45	1,620.90
152	16A, 3-Pin flush mounted UPS power switched socket outlet with keyed earth pin [Red "D" earth pin]	No	30	369.30	11,079.00
153	16A Single phase D.P. isolator complete with surface mounted box	No	3	368.68	1,106.04
154	32A Single phase D.P. isolator complete with surface mounted box	No	1	438.64	438.64
155	32A Single phase isolator [weatherproof IP55] complete with weatherproof box	No	1	733.54	733.54
156	60A Single phase isolator [weatherproof IP55] complete with weatherproof box	No		827.20	Included
157	16A Three phase isolator complete with surface mounted box	No	3	838.09	2,514.27
158	30A Three phase isolator complete with surface mounted box	No	1	966.38	966.38
159	60A Three phase isolator complete with surface mounted box	No	3	1,107.38	3,322.14
160	16A Three phase isolator [weatherproof IP55] complete with weatherproof box	No		962.68	Included
161	30A Three phase isolator [weatherproof IP55] complete with weatherproof box	No		1,125.82	Included
162	60A Three phase isolator [weatherproof IP55] complete with weatherproof box	No		1,529.83	Included
	Carried Forward			R	4,180,519.37
	Section No. 19 Bill No. 1 Electrical SABC STUDIO 6				

Refurbishment of Studio 6
RFP/LOG/2020/49 - STAGE 4 TENDER ESTIMATE

	Brought Forward			R	4,180,519.37
163	32A 3 pin Marechal surface mounted plug on P9000	No		2,500.00	Included
164	13A, 3-Pin square industrial switched socket outlet complete with surface mounted on P9000	No		450.00	Included
165	100A Three phase isolator complete with surface mounted box	No	1	10,000.00	10,000.00
166	300A Three phase isolator complete with surface mounted box	No	1	20,000.00	20,000.00
	<u>TRUNKING</u>				
	<u>Powder coated (colours as per drawings) trunking complete with powder coated metal cover plates, splices and all necessary supports, painting, knock-outs, clamps, hanger rods, channel clamps, etc. (Supply & Installation)</u>				
167	P9000 unistrut with powder coated metal covers and hanger brackets at 1500 intervals	m	1,000	500.44	500,440.00
168	P8200 unistrut with powder coated metal covers and hanger brackets at 1500 intervals	m	480	500.44	240,211.20
169	P2000 unistrut with powder coated metal covers and hanger brackets at 1500 intervals	m	100	500.44	50,044.00
	<u>4 Way Cross</u>				
170	P9000	No	4	419.37	1,677.48
171	P8200	No	4	350.00	1,400.00
172	P2000	No	4	250.00	1,000.00
	<u>T-Piece</u>				
173	P9000	No	20	326.68	6,533.60
174	P8200	No	40	360.00	14,400.00
175	P2000	No	20	260.00	5,200.00
	Carried Forward			R	5,031,425.65
	Section No. 19 Bill No. 1 Electrical SABC STUDIO 6				

Refurbishment of Studio 6
RFP/LOG/2020/49 - STAGE 4 TENDER ESTIMATE

	Brought Forward			R	5,031,425.65
	<u>90 deg bend</u>				
176	P9000	No	100	241.84	24,184.00
177	P8200	No	50	180.00	9,000.00
178	P2000	No	10	110.00	1,100.00
	<u>End cap</u>				
179	P9000	No	50	130.36	6,518.00
180	P8200	No	20	110.00	2,200.00
181	P2000	No	10	95.00	950.00
	<u>POWERSKIRTING</u>				
	<u>Power skirting, metallic powder coated (colour to be confirmed), complete with covers and accessories. Equal or similar to O-Line or Cabstrut. (Supply & Installation)</u>				
182	Two compartment power skirting	No	40	280.31	11,212.40
183	Ditto 90° external/internal elbow	No	4	141.00	564.00
184	Ditto 45° external/internal elbow	No		141.00	Included
185	Ditto T-piece	No	2	225.00	450.00
186	Ditto end caps	No	4	94.50	378.00
187	Telephone and data outlet cover plates suitable for surface mounted outlets	No	8	193.50	1,548.00
188	20A Isolator with gripper gland on power skirting, complete with cover	No		202.50	Included
189	16A normal power SSO on power skirting, complete with pre-punched cover.	No	10	142.50	1,425.00
190	16A Red UPS power SSO on power skirting, complete with pre-punched cover.	No	10	169.50	1,695.00
	Carried Forward			R	5,092,650.05
	Section No. 19 Bill No. 1 Electrical SABC STUDIO 6				

	Brought Forward			R	5,092,650.05
191	Cut-out in back of power skirting for 100 x 50mm outlet box including grommets	No	4	199.50	798.00
	<u>CONDUCTORS</u>				
	<u>600/1000V insulated copper conductors into conduit, trunking or power skirting, including conductor identification labels, terminating, etc. (Supply & Installation)</u>				
192	2.5 mm ² conductor	m	11,000	14.18	155,980.00
193	4 mm ² conductor	m	16,000	20.51	328,160.00
194	6 mm ² conductor	m	10	28.43	284.30
	<u>Insulated copper earth conductor into conduit, trunking, etc.</u>				
195	2.5 mm ² green insulated conductor	m	5,500	13.25	72,875.00
196	4 mm ² green insulated conductor	m	8,000	16.97	135,760.00
197	6 mm ² green insulated conductor	m	5	24.10	120.50
	<u>"Surfix" cable into conduit, trunking, etc.</u>				
198	2.5 mm ² 3-core (live, neutral & earth) "surfix" cable	m	150	41.32	6,198.00
199	4 mm ² 3-core (live, neutral & earth) "surfix" cable	m	100	57.65	5,765.00
200	6 mm ² 3-core (live, neutral & earth) "surfix" cable	m	20	67.60	1,352.00
	<u>Terminate and connect "Surfix" Cu cable, including drilling, bolting, lugs, number tags, core markers, gland, shroud, heat shrink, etc. (Supply & Installation)</u>				
201	2.5 mm ² 3-core (live, neutral & earth) "surfix" cable	No	30	120.00	3,600.00
202	4 mm ² 3-core (live, neutral & earth) "surfix" cable	No	20	135.00	2,700.00
	<u>LIGHTING INSTALLATION</u>				
	<u>CONDUIT</u>				
	Carried Forward			R	5,806,242.85
	Section No. 19 Bill No. 1 Electrical SABC STUDIO 6				

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Refurbishment of Studio 6
RFP/LOG/2020/49 - STAGE 4 TENDER ESTIMATE

	Brought Forward			R	5,949,958.45
	<u>Surface or flush mounted galvanised conduit boxes including fixing to conduit with necessary locknuts, adaptors, bushes, etc. (Supply & Installation)</u>				
215	100 x 100 x 50mm outlet box	m	50	134.37	6,718.50
216	100 x 50 x 50mm outlet box	m	203	115.50	23,446.50
217	60mm round outlet box	m	410	145.94	59,835.40
218	60mm diameter cover plate	m		89.42	Included
219	100 x 100 blank cover plates	m		107.49	Included
220	100 x 50 blank cover plates	m		92.12	Included
	<u>LUMINAIRES</u>				
	<u>The supply, installation and electrical connection of light fittings including bolts, nuts, brackets, cable with plug-top for power, cut-outs in ceiling, identification marks, etc. INCLUDING cost of the fittings. Refer luminaire schedule for description (Supply & Installation)</u>				
	<u>Type C1</u>				
221	Supply	No	100	1,250.00	125,000.00
222	Install	No	100	108.00	10,800.00
	<u>Type D1</u>				
223	Supply	No			Included
224	Install	No	50	108.00	5,400.00
	<u>Type E1</u>				
225	Supply	No	32	2,100.00	67,200.00
226	Install	No	32	108.00	3,456.00
	Carried Forward			R	6,251,814.85
	Section No. 19 Bill No. 1 Electrical SABC STUDIO 6				

Refurbishment of Studio 6
RFP/LOG/2020/49 - STAGE 4 TENDER ESTIMATE

		Brought Forward			R	6,251,814.85
	<u>Type E1-E</u>					
227	Supply	No	8	3,800.00		30,400.00
228	Install	No	8	108.00		864.00
	<u>Type E2</u>					
229	Supply	No	50	2,600.00		130,000.00
230	Install	No	50	108.00		5,400.00
	<u>Type E3</u>					
231	Supply	No	130	2,900.00		377,000.00
232	Install	No	130	108.00		14,040.00
	<u>Type F</u>					
233	Supply	No	30	950.00		28,500.00
234	Install	No	30	108.00		3,240.00
	<u>Type N1</u>					
235	Supply	No				Included
236	Install	No	12	108.00		1,296.00
	<u>Type Q</u>					
237	Supply	No				Included
238	Install	No	16	108.00		1,728.00
	<u>Type R1</u>					
239	Supply	No				Included
240	Install	No	8	108.00		864.00
	<u>Type U</u>					
241	Supply	No				Included
		Carried Forward			R	6,845,146.85
	Section No. 19					
	Bill No. 1					
	Electrical					
	SABC					
	STUDIO 6					

Refurbishment of Studio 6
RFP/LOG/2020/49 - STAGE 4 TENDER ESTIMATE

Brought Forward				R	6,845,146.85
242	Install	No	16	108.00	1,728.00
	<u>Type U2</u>				
243	Supply	No			Included
244	Install	No	8	108.00	864.00
	<u>Type V</u>				
245	Supply	No			Included
246	Install	No	4	108.00	432.00
	<u>Type W</u>				
247	Supply	No			Included
248	Install	No	5	108.00	540.00
	<u>LIGHT SWITCHES & SOCKETS</u>				
	<u>Light switches, complete with all necessary connections, labelling, screws, cover plates, etc. (Supply & Installation)</u>				
249	16A One lever one-way light switch, flush mount	No	21	179.11	3,761.31
250	16A Two lever one-way light switch, flush mount	No	4	228.51	914.04
251	16A One lever two-way light switch, flush mount	No	19	226.00	4,294.00
252	16A Two lever two-way light switch, flush mount	No	4	244.93	979.72
253	16A One lever one-way light switch, with bell-press for dimming flush mount	No	20	250.00	5,000.00
254	5A, 3 Pin surface mounted unswitched socket outlet, complete with surface 50 x 50 box and cover	No	120	221.00	26,520.00
255	1 way intermediate gang light switch in 50x100mm recessed outlet box	No	6	662.83	3,976.98
	<u>CONDUCTORS</u>				
	Carried Forward			R	6,894,156.90
Section No. 19 Bill No. 1 Electrical SABC STUDIO 6					

					R	6,894,156.90	
	Brought Forward						
	<u>Insulated copper conductors into conduit, trunking, including conductor identification labels, terminating, etc. (Supply & Installation)</u>						
256	2.5 mm² conductor	m	4,032	15.21		61,326.72	
	<u>Insulated copper earth conductor into conduit, trunking, etc.</u>						
257	2.5 mm² conductor	m	2,016	14.08		28,385.28	
	TESTING AND COMMISSIONING						
258	Testing and commissioning of the entire lighting installation contained in this section.				SUM	21,975.64	
	ELECTRONIC SERVICES						
	CONDUITS						
	<u>Supply and installation of galvanised conduit, complete with all accessories (Supply & Installation)</u>						
259	25 mm ϕ on surface	m	800	78.64		62,912.00	
260	25 mm ϕ built in brickwork or dry-wall	m	200	83.04		16,608.00	
	<u>Supply and installation of PVC conduit, complete with all accessories (Supply & Installation)</u>						
261	25 mm ϕ on surface	m	800	45.41		36,328.00	
262	25 mm ϕ built in brickwork or dry-wall	m	200	47.50		9,500.00	
263	32 mm ϕ built in brickwork or dry-wall	m		57.13		Included	
264	50 mm ϕ built in brickwork or dry-wall	m		88.17		Included	
	<u>Supply and installation of flexible galvanised conduit, complete with all accessories (Supply & Installation)</u>						
265	25 mm ϕ	m	500	117.92		58,960.00	
	Carried Forward					R	7,190,152.54
	Section No. 19 Bill No. 1 Electrical SABC STUDIO 6						

Refurbishment of Studio 6
RFP/LOG/2020/49 - STAGE 4 TENDER ESTIMATE

	Brought Forward			R	7,190,152.54
	<u>Galvanised conduit boxes, complete with conduit terminations and accessories (Supply & Installation)</u>				
266	60mm round outlet box	No	219	149.96	32,841.24
267	100 x 100 x 50mm outlet box	No	15	132.88	1,993.20
268	100 x 50 x 50mm outlet box	No	15	118.76	1,781.40
269	60mm diameter cover plate	No	219	69.74	15,273.06
270	100 x 100 blank cover plates	No	15	91.07	1,366.05
271	100 x 50 blank cover plates	No	15	82.13	1,231.95
272	Draw-wire pulled into conduits	No	2,750	8.72	23,980.00
	<u>PRIME COST AMOUNTS</u>				
273	Prime cost amount for the supply of light fittings			SUM	300,000.00
274	Allow for placing of orders, taking delivery and on site storage and Allow for profit and mark-up.			SUM	54,000.00
275	Provisional allowance for electrical works associated with temporary and unforeseen works			SUM	50,000.00
276	Provisional allowance for electrical works associated with lighting installation			SUM	50,000.00
277	Provisional allowance for electrical works infra red scanning			SUM	15,000.00
278	Provisional allowance for electrical works associated with specialised earthing			SUM	60,000.00
279	Provisional allowance for electrical works associated with HVAC installation			SUM	60,000.00
280	Provisional allowance for integrated system testing			SUM	70,000.00
	<u>Assumed a period of 2 weeks (over and above commissioning and testing of individual equipment and installations). May be done during normal hours and/or after hours</u>				
	Carried to Final Summary			R	7,927,619.44
	Section No. 19 Bill No. 1 Electrical SABC STUDIO 6				

Section No	<u>FINAL SUMMARY</u>		Page No		Amount
1	Preliminaries		49		4,405,182.09
2	Alterations		58		3,006,260.00
3	Earthworks		62		20,024.00
4	Concrete, Formwork and reinforcement		66		3,091,188.43
5	Masonry		73		616,680.00
6	Waterproofing		74		956,650.00
7	Roof coverings, cladding,etc		75		699,800.00
8	Carpentry and joinery		81		5,561,930.00
9	Ceilings, partitioning and access flooring		85		330,810.00
10	Floor coverings, wall linings, etc		87		449,480.00
11	Ironmongery		88		100,000.00
12	Structural Steelwork		91		2,120,770.00
13	Metalwork		97		5,161,640.00
14	Plastering		98		705,845.00
15	Plumbing and Drainage		99		130,000.00
16	Paintwork		101		304,690.00
17	HVAC		106		5,505,484.00
18	Fire Protection		109		7,362,950.00
19	Electrical		130		7,927,619.44
	Sub Total			R	48,457,002.96
	Contingency at 5%	48,457,002.96%		5.00	2,422,850.15
	Carried Forward			R	50,879,853.11
	SABC STUDIO 6				

