

<u>Item No</u>	<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
<u>SECTION 1</u>				
<u>BILL NO. 1 PRELIMINARIES</u>				
<u>PRELIMINARIES</u>				
1				NOTES
2				i) The agreement is to be the JBCC Series 2000 Principal Building Agreement (Edition 4.1) prepared by the Joint Building Contracts Committee, March 2005
3				ii) The Tenderer is deemed to have taken cognizance of the abovementioned documents for the full intent and meaning of each clause. These clauses are referred to by clause number and heading only
4				iii) Where standard clauses or options are not applicable to this contract such modifications, corrections or supplements as are necessary, are given under each relevant clause
5				iv) Tenderers are referred to the above-mentioned documents for the full intent and meaning of each clause thereof (hereinafter referred to by heading and clause number only) for which such allowance must be made as may be considered necessary clause thereof (hereinafter referred to by heading and clause number only) for which such allowance must be made as may be considered necessary
6				v) Where any item is not relevant to this specific contract such item is marked N/A (signifying "not applicable")
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Refurbishment of VIP Ablutions, Classrooms & External Works
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<u>Item No</u>		<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
	<u>Definitions and interpretation (clause 1)</u>				
1	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Objective (A2)</u>				
	<u>Offer, acceptance and performance (clause 2)</u>				
2	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Preparation (A3-A14)</u>				
	<u>Documents (clause 3)</u>				
3	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Design responsibility (clause 4)</u>				
4	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Employer's agents (clause 5)</u>				
5	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Contractor's site representative (clause 6)</u>				
6	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Compliance with regulations (clause 7)</u>				
7	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Works risk (clause 8)</u>				
8	Fixed: _____ Value related: _____ Time related: _____		Item		
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<u>Item No</u>		<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
	<u>Indemnities (clause 9)</u>				
1	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>General insurances (clause 10)</u>				
2	All insurances are to be taken by the Contractor				
3	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Special insurances (clause 11)</u>				
4	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Effecting insurance (clause 12)</u>				
5	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Assignment (clause 13)</u>				
6	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Security (clause 14)</u>				
7	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Execution (A15-A23)</u>				
	<u>Preparation for and execution of the works (clause 15)</u>				
8	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Site and Access (clause 16)</u>				
9	Fixed: _____ Value related: _____ Time related: _____		Item		
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<u>Item No</u>		<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
	<u>Contract instructions (clause 17)</u>				
1	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Setting out of the works (clause 18)</u>				
2	The contractor shall notify the principal agent if any encroachments of adjoining foundations, buildings, structures, pavements, boundaries, etc. exist in order that the necessary arrangements may be made for the rectification of any such encroachments				
3	The contractor shall perform tolerance control checks regularly throughout the contract period and report on this at regular interval to the Principal Agent in the approved format. Should the contractor fail to comply with this requirement to the satisfaction of the the Principal Agent, progressively as the structure is being constructed, the Employer will commission a Registered Land Surveyor to do so on the Contractor's behalf and at the Contractor's Expense.				
4	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Temporary Works and Plant (clause 19)</u>				
5	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Selected sub-contractors (clause 21)</u>				
6	Notwithstanding the content of this clause, the contractor's attention is drawn to the fact that all the work provided for by means of the inclusion of provisional amounts elsewhere in these bills of quantities, is to be executed and installed in the works during the construction period by selected sub-contractors				
7	The selected sub-contractors shall be chosen, as far as possible, by the principal agent together with the contractor				
8	Fixed: _____ Value related: _____ Time related: _____		Item		
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<u>Item No</u>		<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
	<u>Employer's direct contractors (clause 22)</u>				
1	The Contractor shall allow the direct contractors and employers agents access to the work, allocate reasonable space in the building for storage of their materials, tools and equipment, all to the satisfaction of the Principal Agent. The contractor shall also allow the direct contractors, etc. free of charge, use of their ablution facilities and water and power supply to the and shall in no way hinder or prevent the execution of their works. Attendance may be priced against the relevant specified items in the bills of quantities.				
2	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Contractor's domestic sub-contractors (Clause 23)</u>				
3	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Completion (A24-A30)</u>				
	<u>Practical completion (clause 24)</u>				
4	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Works completion (clause 25)</u>				
5	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Final completion (clause 26)</u>				
6	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Latent defects liability period (clause 27)</u>				
7	Fixed: _____ Value related: _____ Time related: _____		Item		
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<u>Item No</u>		<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
	<u>Sectional completion (clause 28)</u>				
1	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Revision of date of practical completion (clause 29)</u>				
	<u>Clause 29.1.1 shall be deemed to be omitted and replaced by the following:</u>				
2	Inclement weather shall be defined as weather in excess of the average rainfall (volume and period) for each calendar month over the past ten (10) years as recorded by the nearest commonly recognised weather bureau in the region of the project				
3	It shall be deemed that the contractor has adequately allowed in his programme and tendered rates for expenses which might result from delays due to average or below rainfall as described above				
4	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Penalty for non-completion (42.2.7)</u>				
5	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Payment (A31 - A35)</u>				
6	Interim payment to the contractor (clause 31)				
7	Notwithstanding this or any other clause, materials and goods stored off site shall not be included in the amount authorized for payment				
	<u>Clause 31.6.5 shall be deemed to be deleted</u>				
	<u>Clause 31.9:</u>				
	<u>The wording "seven (7)" be replaced with "thirty (30)"</u>				
8	Fixed: _____ Value related: _____ Time related: _____		Item		
	Carried to Collection			R	
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<u>Item No</u>		<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
	<u>Adjustment to the contract value (clause 32)</u>				
1	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Recovery of expense and loss (clause 33)</u>				
2	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Final account and final payment (clause 34)</u>				
3	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Payment to other parties (clause 35)</u>				
4	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Termination (A36-A39)</u>				
	<u>Termination by employer - contractor's default (clause 36)</u>				
5	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Termination by employer - loss and damage (clause 37)</u>				
6	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Termination by contractor - employer's default (clause 38)</u>				
7	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Termination - cessation of the works (clause 39)</u>				
8	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Dispute (A40)</u>				
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<u>Item No</u>		<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
	<u>Settlement of Disputes (clause 40)</u>				
1	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Contract Agreement (A41)</u>				
	<u>The schedule: Post-tender information (clause 41)</u>				
2	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Contract Agreement (A41)</u>				
	<u>The schedule: Post-tender information (clause 41)</u>				
3	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>CONTRACT DATA - EMPLOYER TO CONTRACTOR</u>				
4	Given hereunder are all variables referred to in the Principal Building Agreement and which are set out in "Contract Data EC", prepared and published by the Joint Building Contracts Committee: Edition 4.1 Code 2101- EC March 2005.				
	<u>42.1 CONTRACTING AND OTHER PARTIES</u>				
	<u>42.1.1 Employer:</u>				
5	Development Bank of Southern Africa 1258 Lever Road, Headway Hill, Midrand, Gauteng, 1685, South Africa.				
	<u>42.1.2 Principal Agent:</u>				
6	Indigo Kulani Group 32 Fricker Road Illovo, Sandton, 2196 Tel: 011 440 2672				
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<u>42.1.3 Agent (1): ARCHITECTURE</u>				
1	Indigo Kulani Group 32 Fricker Road Illovo, Sandton, 2196 Tel: 011 440 2672			
<u>42.1.4 Agent (2): QUANTITY SURVEYING</u>				
2	Indigo Kulani Group 32 Fricker Road Illovo, Sandton, 2196 Tel: 011 440 2672			
<u>42.1.5 Agent (3): CIVIL AND STRUCTURAL ENGINEERING</u>				
3	Indigo Kulani Group 32 Fricker Road Illovo, Sandton, 2196 Tel: 011 440 2672			
<u>42.2 CONTRACT DETAILS</u>				
<u>42.2.1 Works Description:</u>				
4	The Works entails:			
5	(a) Refurbishment of existing Classrooms and Toilets			
<u>42.2.2 Site Description:</u>				
6	Ndlangubo Tribal Authority, Nomyaca Reserve			
7	(Co-ordinates :-28.73762 S, 31.68307 E)			
<u>42.2.3 Works or installations by direct contractors:</u>				
8	No			
<u>42.2.4 Specific options that are applicable to a State organ only:</u>				
9	(1) Interest rate legislation:			
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1	N/A				
2	(2) Lateral support insurance to be effected by the contractor:				
3	N/A				
4	(3) Payment will be made for materials and goods:				
5	Yes				
6	(4) Dispute resolution by litigation:				
7	N/A				
8	(5) Extended defects liability period applicable to the following				
9	elements:				
10	N/A				
	<u>42.2.5 Possession of the site is to be given on:</u>				
11	Date to be determined				
	<u>42.2.6 Period for the commencement of the works after</u>				
12	the contractor takes possession of the site:				
13	Within five (5) days				
	<u>42.2.7 The date for practical completion and the penalty per calendar day</u>				
14	for the works as a whole:				
15	Date:				
16	TBC				
17	Penalty:				
18	TBC				
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	<u>42.2.8.1 The date for practical completion and the penalty per</u>				
1	calendar day for the works in sections:				
2	N/A				
	<u>42.2.8.2 Penalty per calendar day:</u>				
3	Refer to Contract Data				
	<u>42.2.9 The law applicable to this agreement shall be that of:</u>				
4	Republic of South Africa				
	<u>42.3 INSURANCES</u>				
	<u>42.3.1 Contract works insurance:</u>				
5	To be effected by: Contractor				
6	For the sum of: Contract Sum plus 20%				
7	With a deductible of: To be determined by the contractor				
	<u>42.3.2 Supplementary insurance is required:</u>				
8	No				
	<u>42.3.3 Public liability insurance:</u>				
9	Yes				
10	To be effected by: Contractor				
11	For the sum of: R 5 000 000-00				
12	With a deductible of: To be determined by the contractor				
	<u>42.3.4 Support insurance to be effected by the employer:</u>				
13	No				
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<u>42.4 DOCUMENTS</u>				
<u>42.4.1 Waivers of contractor's lien or right of continuing possession is required:</u>				
1	Yes			
<u>42.4.2 Construction document copies to be supplied to the contractor free of charge:</u>				
2	Three (3) copies of each			
<u>42.4.3 Bills of quantities drawn up in accordance with:</u>				
3	Standard System of Measuring Building Work (7th edition 2015)			
<u>42.4.4 On acceptance of the tender the bills of quantities is to be submitted:</u>				
4	Within fourteen (14) calendar days			
<u>42.4.5 JBCC Engineering General Conditions are to be included in the documents:</u>				
5	Yes			
<u>42.4.6 The contract value is to be adjusted using CPAP:</u>				
6	No			
7	Base month of indexes: N/A			
<u>42.4.7 Details of changes made to the provision of JBCC standard documentation:</u>				
8	"Refer to Contract Data"			
<u>42.5 CONTRACT DETAILS</u>				
9	All post-tender information for this section will be determined once tender is awarded			
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<u>Item No</u>		<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
	<u>42.6 DOCUMENTS</u>				
1	All post-tender information for this section will be determined once tender is awarded				
	<u>42.7 DISPUTE RESOLUTION</u>				
2	All post-tender information for this section will be determined once tender is awarded				
	<u>42.8 SIGNATURES OF THE CONTRACTING PARTIES</u>				
3	All post-tender information for this section will be determined once tender is awarded				
	<u>SECTION B: PRELIMINARIES</u>				
	<u>Definition and interpretation (B1)</u>				
	<u>Definition and interpretation (B1.1 - B1.6.5)</u>				
4	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Documents (B2)</u>				
	<u>Checking of documents (B2.1)</u>				
5	These bills of quantities:				
6	-1 Contain pages and annexes as indexed, and;				
7	-2 Are in multiple procurement format, i.e. all trades are fully measured with minor budgetary allowances trades are fully measured with minor budgetary allowances				
8	Items in these bills of quantities are to be read and priced in conjunction with and the descriptions regarded as amplified by the Model Preambles for Trades, 2008 edition, as recommended and published by the Association of South African Quantity Surveyors and no claim arising from brevity of description of items fully described in the said Model Preambles for Trades will be entertained				
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1	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Provisional bills of quantities (B2.2)</u>				
2	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Availability of construction documentation (B2.3)</u>				
3	The minor budgetary allowances included in this document will be separately procured, based on multiple procurement of selected sub-contractors during the construction period				
4	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Interests of agents (B2.4)</u>				
5	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Priced documents (B2.5)</u>				
6	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Tender submission (B2.6)</u>				
7	Notwithstanding anything contained in this clause tenders shall be valid for a period of ninety (90) days from the closing date of tenders				
8	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>The site (B3)</u>				
	<u>Defined works area (B3.1)</u>				
9	Fixed: _____ Value related: _____ Time related: _____		Item		
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	<u>Geotechnical investigation (B3.2)</u>				
1	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Inspection of the site (B3.3)</u>				
	<u>No claims for extras arising from the contractor having failed to comply with this clause will be entertained</u>				
2	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Existing premises occupied (B3.4)</u>				
3	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Protection of trees, etc (B3.9)</u>				
4	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Inspection of adjoining properties, etc (B3.11)</u>				
5	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Management of contract (B4)</u>				
	<u>Management of the works (B4.1)</u>				
6	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Programming for the works (B4.2)</u>				
	<u>Clause B4.2 is hereby amended by the addition of the following:</u>				
	<u>Programme</u>				
7	The contractor and the principal agent shall agree to a Contract Programme for the control of the Works.				
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<u>Item No</u>		<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
1	The contractor shall submit a draft of the Contract Programme and method statement to the principal agent for approval together with the tender.				
2	The contractor shall ensure that the contract programme:				
3	1. Shall be prepared and drawn up to comply in all respects with the requirements of this Agreement.				
4	2. Shall be drawn up using logic developed during the tender period and complies with the planning requirements of the Client.				
5	3. Shall be in accordance with the dates given herein for possession and practical completion; and				
6	4. Shall be in sufficient and approved detail to ensure effective control of the work, including all items necessary to enable calculations to be made for the distribution of finance during the cash-flow analysis.				
7	5. Shall be accompanied by a full written method statement				
8	The principal agent shall examine and comment on the contract programme and method statement within two weeks of its submission.				
9	Following on these comments the contractor shall amend the contract programme and method statement as may be necessary and submit the final contract programme and method statement to the principal agent for approval within a further two weeks thereafter.				
10	The contract programme shall be processed by computer and be presented to the principal agent in the form of logic charts and bar charts in such a way as to determine the critical path and the float on non-critical activities. All supporting printouts must be available to the principal agent on demand.				
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1	The acceptance by the principal agent of the contract programme, or any revision thereof, does not necessarily sanction the accuracy of validity of the network logic, the correctness of individual activities in terms of description or duration, the comprehensiveness of networks or the discrepancies between drawings and any other documents presented by the contractor, and in no way relieves the responsibility of the contractor to comply with the requirements of the Agreement.				
2	No policy decisions other than the planning requirements, procedures and policies provided, will be enforced on the contractor regarding construction of the project and the contractor shall be responsible at all times for ensuring the accuracy, validity and reasonableness of programming information.				
3	Documentation will not be available in complete detail at the date of award of the contract. Non-availability of information will not be deemed an excuse for nonpresentation of programmes. In the event of inadequate information, the contractor shall estimate the predicted time applications on available information and qualify the submission accordingly.				
4	Development of the contract programme and method statement				
5	Within two weeks of award of the contract, the contractor shall submit an updated contract programme and written method statement which shall include the latest information in sufficient detail to permit comprehensive monitoring.				
6	Progress of the works will be monitored by the principal agent. The contractor shall liaise with the principal agent in order to provide whatever information is required to facilitate such monitoring.				
7	Revisions to the contract programme				
8	Revisions to the contract programme may be introduced periodically by the contractor subject to compliance with the contract completion and handover dates.				
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1	Providing the required consultation between the relevant parties has highlighted the implications of the required changes, the programming strategy on the project may be changed and the changes noted and specified on logic charts delivered to the principal agent. The changes to the programme will be recorded as firm and binding once the principal agent has sanctioned the said changes.				
2	A revision to the programme will not invalidate the contractual completion dates and applications for extensions of time will be processed by the principal agent in accordance with the conditions of contract.				
3	Should the contractor fail to submit a request for revision to the construction programme, progress monitoring shall be based on the latest revised programme sanctioned by the principal agent.				
4	The contractor shall make all his necessary revisions on the approved network sheets clearly marking, inter-alia, the logic changes and duration changes. These will then be processed by the necessary parties and then approved in the normal manner.				
5	Progress Monitoring				
6	The contractor shall provide regular progress reports showing actual and expected progress against the latest contract programme. Progress reports shall be submitted at each site progress meeting and shall outline the progress against key target dates and deviation which has occurred against the most recently updated control programme due to the progress reflected in the as-built construction programme.				
7	The status of each activity must also be reported as follows:				
8	Target - If the activity is not complete, the latest predicted completion date shall be supplied.				
9	Start - If the activity has commenced, the actual date shall be supplied.				
10	Finish - If the activity is complete, the actual completion date shall be supplied.				
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1	Problems which may occur during execution of the contract must be specifically identified in progress reports under a separate section of the contractor's report.				
2	Should problems occur during the execution of the contract or the scope of work be increased or decreased, the contractor may be requested to increase the extent or the detail of the programme.				
3	The principal agent may recommend action to be taken by the contractor, including the revision of resource levels, but this information will not be binding on the contractor unless the recommendations are enforced in terms of the conditions of contract by the principal agent and will in no way relieve the contractor of the responsibility to comply with the requirements of the Agreement.				
4	Extension of time				
5	Any extension of time which is granted by the principal agent will be annotated to affect selected activities in the programme and the associated activities will be incorporated by revisions to the programme by the contractor. Should the additional activities or the extension of time on existing activities fall on a noncritical area of the programme, extension will be limited to the activities affected by the said additional activities				
6	or extensions and the contract dates shall not be affected. If, however, the additional activities fall on the critical path, the principal agent shall take this into account when granting any extension of time in terms of the conditions of contract.				
7	The contractor agrees that the contract completion date (i.e. the date for practical completion) has been stipulated in the contract for the benefit of the employer, so that, without derogating from the generality of the afore going principle it is provide that:				
8	1. The contractor shall not be entitled to deliver the site and the works to the employer prior to the contract completion date; and				
Carried to Collection					R
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<u>Item No</u>		<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
1	2. Should there for any reason be any float period indicated in the contract programme prior to the contractual completion date then this float period shall be utilized to absorb any delays or extensions of time without affecting the contract completion date.				
2	3. The contractor shall, at all times, ensure that, notwithstanding the approval or sanctioning, reviewing or inspection of a programme or any revision of a programme by the principal agent in the afore-going terms, practical completion and completion of the works shall take place strictly in accordance with this Agreement.				
3	A defective or faulty programme, even if so sanctioned, approved, reviewed or inspected by the principal agent, shall therefore not constitute a cause for granting an extension of time for completion of the works or for entitling the contractor to the payment by the employer in terms of the contract of any loss, compensation or damage whatsoever.				
4	The contractor acknowledges that the principal agent's afore-going participation in the approval of development of, revisions to and updating of the Contract Programme shall take place in consultation with the contractor. The contractor shall therefore provide the principal agent with such co-operation and/or information and/or access as they may reasonably require for such purposes.				
5	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Progress meetings (B4.3)</u>				
6	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Technical meetings (B4.4)</u>				
7	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Labour and plant records (B4.5)</u>				
8	Fixed: _____ Value related: _____ Time related: _____		Item		
	Carried to Collection			R	
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<u>Item No</u>		<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
	<u>Samples and shop drawings (B5)</u>				
	<u>Samples of materials (B5.1)</u>				
1	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Workmanship samples (B5.2)</u>				
2	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Temporary works and plant (B6)</u>				
	<u>Enclosure of the works (B6.1)</u>				
3	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Advertising (B6.2)</u>				
4	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Plant, equipment, sheds and offices (B6.3)</u>				
5	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Main notice board (B6.4)</u>				
6	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Temporary services (B7)</u>				
	<u>Location (B7.1)</u>				
7	Fixed: _____ Value related: _____ Time related: _____		Item		
	Carried to Collection			R	
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<u>Item No</u>		<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
	<u>Water (B7.2)</u>				
1	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Electricity (B7.3)</u>				
2	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Telecommunication equipment (B7.4)</u>				
3	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Ablution facilities (B7.5)</u>				
4	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Prime cost amounts (B8)</u>				
	<u>Responsibility for prime cost amounts (B8.1)</u>				
5	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Attendance on nominated and selected subcontractors (B9)</u>				
	<u>General attendance (B9.1)</u>				
6	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Special attendance (B9.2)</u>				
7	Fixed: _____ Value related: _____ Time related: _____		Item		
	Carried to Collection			R	
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<u>Item No</u>		<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
	<u>Site security (B11.3)</u>				
1	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Notice before covering work (B11.4)</u>				
2	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Disturbance (B11.5)</u>				
3	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Enviromental disturbance (B11.6)</u>				
4	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Works cleaning and clearing (B11.7)</u>				
5	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Overhand work (B11.8)</u>				
6	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Instruction manuals and guarantees (B11.9)</u>				
7	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>As built information (B11.10)</u>				
8	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Tenant installations (B11.11)</u>				
9	Fixed: _____ Value related: _____ Time related: _____		Item		
	Carried to Collection			R	
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<u>Item No</u>		<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
	<u>12.1.8 Previous work - Defects (B12.1.8)</u>				
1	No				
	<u>12.1.9 Services - known (B12.1.9)</u>				
2	Existing services and points of connection				
3	will be pointed out on site by the principal				
4	agent				
	<u>12.1.10 Protection of trees (B12.1.10)</u>				
5	N/A				
	<u>12.1.11 Inspection of adjoining properties (B12.1.11)</u>				
6	Yes				
	<u>12.1.12 Enclosure of the works (B12.1.12)</u>				
7	(See notes to tenders)				
	<u>12.1.13 Offices (B12.1.13)</u>				
8	The contractor shall provide, maintain and				
9	remove on completion of the works an office				
10	for the exclusive use for meetings to be held				
11	on site.				
	<u>12.1.14 Main notice board (B12.1.14)</u>				
12	The contractor shall provide, erect where directed, maintain and remove on completion of the works a notice board size 3 x 3m high. The exact extent of the details, colour scheme and wording will be provided by the principal agent on the day of the site handover. The board shall be securely fixed to and including a suitable supporting structure of timber or tubular posts and braces				
	Carried to Collection				R
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<u>Item No</u>		<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
	<u>12.1.15 Sub-contractors notice board (B12.1.15)</u>				
1	A notice board is required:				
2	No				
	<u>12.1.16 Water (B12.1.16)</u>				
3	Alternative selected: A				
	<u>12.1.17 Electricity (B12.1.17)</u>				
4	Alternative selected: A				
	<u>12.1.18 Telecommunications (B12.1.18)</u>				
5	Alternative selected: A				
	<u>12.1.19 Ablution facilities (B12.1.19)</u>				
6	Alternative selected: A				
	<u>12.1.20 Protection of existing/sectionally occupied works (B12.1.20)</u>				
7	No				
	<u>12.1.21 Special attendance (B12.1.21)</u>				
8	No				
	<u>12.1.22 Protection of the works (B12.1.22)</u>				
9	No				
	<u>12.1.23 Disturbance (B12.1.23)Yes</u>				
	<u>12.1.24 Environmental disturbance (B12.1.24)</u>				
10	Yes				
	Carried to Collection			R	
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<u>Item No</u>		<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
	<u>Post-tender information (B12.2)</u>				
1	All post-tender information for this section will be determined once tender is awarded				
2	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>SECTION C: SPECIFIC PRELIMINARIES</u>				
	<u>Clause C1 Contract Drawings</u>				
3	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 him/herself with the nature and extent of the works and the manner in which they are to be executed				
4	Should any part of the drawings not be clearly understood by the tenderer he/she shall, before submitting his tender, obtain clarification in writing from the principal agent				
5	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Clause C2 General Preambles</u>				
6	The document "Specification of Materials and Methods to be used (PW371)" is obtainable on the Department's website (http://www.publicworks.gov.za/ under "Consultants Guidelines") and shall be read in conjunction with the bills of quantities and be referred to for the full descriptions of work to be done and materials to be used				
7	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Clause C3 Trade Names</u>				
8	Wherever a trade name for any product has been described in the bills of quantities, the tenderer's attention is drawn to the fact that any other product of equal quality may be used subject to the written approval of the principal agent being obtained prior to the closing date for submission of tenders.				
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<u>Item No</u>		<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
1	If prior written approval for an alternative product is not obtained, the product described shall be deemed to have been tendered for.				
2	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Clause C4 Proprietary branded products</u>				
3	The contractor shall take delivery of, handle, store, use, apply and/or fix all proprietary branded products in strict accordance with the manufacturers' instructions after consultation with the manufacturer's authorized representative				
4	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Clause C5 Overtime</u>				
5	The position of construction breaks and the extent of individual concrete pours are to be recorded by the contractor on the structural engineer's drawings and are to be submitted to the principal agent and the structural engineer for their records				
6	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Clause C7 Site instructions</u>				
7	All site instructions issued on site shall be recorded in writing within seven (7) calendar days in site instruction book (A4 size and triplicate carbon format), which is to be provided and maintained by the contractor. The said site instruction book shall be kept on site at all times for the exclusive use of recording site instructions only				
8	Site instructions may be issued by the principal agent only. Other consultants, where necessary, may issue site instructions in consultation with the principal agent. Copies of the site instructions are to be submitted to the principal agent and quantity surveyor within seven (7) calendar days of such recording in the site instruction book				
	Carried to Collection			R	
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1	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Clause C8 Labour record</u>				
2	At the end of each week the contractor shall provide the principal agent with a written record, in schedule form, reflecting the number and description of tradesmen and labourers employed by him and all subcontractors on the works each day				
3	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Clause C9 Plant record</u>				
4	At the end of each calendar week the contractor shall provide the principal agent with a written record, in schedule form, reflecting the number, type and capacity of all plant, excluding hand tools, currently used on the works				
5	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Clause C10 Non-cession of monies</u>				
6	The contractor shall not cede nor assign his rights or claims to any monies due or to become due to him under this contract				
7	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Clause C11 Occupational Health and Safety Act</u>				
8	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).				
9	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.				
	Carried to Collection				
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<u>Item No</u>		<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
1	The contractor must take note that compliance with the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is compulsory. In the event of partial or total non compliance, the principal agent, notwithstanding the provisions of clause A31.0 of Section A or any other clause to the contrary, reserves the right to delay issuing any progress payment certificate until the contractor provides satisfactory proof of compliance. The contractor shall not be entitled to any compensation of whatsoever nature, including interest, due to such delay of payment.				
2	Provision for pricing of the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is made under the items following this clause and no additional claims in this regard shall be entertained.				
3	Note to Quantity Surveyor				
4	Failure, by the Tenderer, to price the items indicated below individually or per item will result in the Tender being deemed non-responsive. The legal requirements contemplated in the Construction Regulations (CR) 5(1)(g):				
5	“A Client must ensure that potential principal contractors submitting tenders, have made adequate provision for the cost of health and safety measures”				
6	and CR 5(1)(h):				
7	“A client must ensure that principal contractor to be appointed has the necessary competencies and resources to carry out the construction work safely”				
8	shall apply and will be used to motivate the disqualification of the Tender.				
9	The Contractor’s attention is further drawn to Section 41 of the Occupational Health and Safety Act No. 85 Of 1993: This Act not affected by agreements				
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<u>Item No</u>		<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
1	Subject to the provisions of sections 10 (4) and 37 (2), a provision of this Act or a condition specified in any notice or direction issued there under or subject to which exemption was granted to any person under section 40, shall not be affected by any condition of any agreement, whether such agreement was entered into before or after the commencement of this Act or before or after the imposition of any such condition, as the case may be.				
2	Note to Principal Contractor				
3	Prior to pricing the principal contractor must familiarize him/herself with the Occupational Health and Safety Act No. 85 Of 1993, Construction Regulations 2014, other relevant Regulations and Standards as well as project specific Health & Safety specifications.				
4	Note to Principal Contractor				
5	After pricing of the health and safety bill of quantities, the Contractor must sign the Certificate of Acquaintance as evidence that he has agreed to the contents, obligations and demands of the Occupational Health and Safety Act No. 85 of 1993, Construction Regulations 2014, other relevant Regulations and Standards as well as project specific Health & Safety specifications. Failure, by the Tenderer, to sign the Certificate of Acquaintance may result in the Tender being deemed non-responsive		Item		
	<u>C11.1 - Notification of Commencement Of Work</u>				
6	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				
7	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>C11.2 - Contribution to Workman's Compensation or FEM</u>				
8	Allow for the necessary Workman's Compensation Fund or FEM contributions for the duration of the project with and including renewals				
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<u>Item No</u>		<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
1	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>COVID-19 RELATED ITEMS</u>				
	<u>C11.3 - Preparation and Approval of OHS Plan And File</u>				
2	Allow for the preparation and approval of project-specific Health and Safety Plan and File [CR 7(1)(a)]				
3	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>C11.4 - Implementation and Maintenance of OHS Plan And File</u>				
4	Allow for the implementation and maintenance of project-specific Health and Safety Plan and File. [CR 7]				
5	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>C11.5 - Appointment of Health and Safety Officer</u>				
6	Allow for the appointment, on a full-time basis, of a competent Health and Safety Officer who is registered with SACPCMP to assist in the control of all health and safety related aspects on site as per [CR 8(5)]				
7	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>C11.6 - Appointment of Competent and Responsible Persons</u>				
8	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)]				
9	Fixed: _____ Value related: _____ Time related: _____		Item		
	Carried to Collection			R	
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<u>Item No</u>		<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
	<u>C11.7 - Telecommunications Facilities</u>				
1	Allow for provision of laptop, printer and telecommunication facilities for the appointed Construction Health and Safety Officer				
2	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>C11.8 - Basic Emergency and Response Equipment</u>				
3	Allow for provision of basic emergency preparedness and response equipment and at least Level 2 First Aider/s				
4	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>C11.9 - Personal Protective Equipment and Clothing</u>				
5	The Contractor must provide, supply and maintain for each worker SANS approved personal protective equipment and clothing as per the site-specific risk assessments				
	<u>C11.9.1 - Hard Hats</u>				
6	Hard Hats (High Density polyethylene and 6-point lining)				
7	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>C11.9.2 - Work Suits</u>				
8	Overall / work suit (100% Cotton)				
9	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>C11.9.3 - Safety Shoes</u>				
10	Safety boots / shoes (Steel-Toe)				
11	Fixed: _____ Value related: _____ Time related: _____		Item		
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<u>Item No</u>		<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
	<u>C11.9.4 - Safety Gloves</u>				
1	Surgical Gloves				
2	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>C11.9.5 - Hand sanitizers (70% alcohol content) and Hand soaps</u>				
3	Hand sanitizers and Hand soap				
4	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>C11.9.6 - Dust Masks/ covid-19 face musks</u>				
5	Dust mask (at least FF2 type)				
6	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>C11.9.7 - Respirators</u>				
7	Respirators				
8	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>C11.9.8 - Safety Goggles</u>				
9	Safety goggles				
10	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>C11.9.9 - Fall and Rescue Equipment</u>				
11	Personal fall arrest and rescue equipment with and including life lines and associated equipment				
12	Fixed: _____ Value related: _____ Time related: _____		Item		
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	<u>C11.9.10 - Visibility Attire</u>				
1	High visibility reflective vests and / or bibs				
2	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>C11.9.11 - Temporary Support</u>				
3	Temporary handrails, toe boards, edge protection, etc., other than for access scaffolding				
4	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>C11.9.12 - Temporary Warning Signs</u>				
5	Temporary warning signs and symbols				
6	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>C11.9.13 - Safety Netting</u>				
7	SANS Approved safety netting (orange colour with minimum of 1,2 meters high)				
8	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>C11.9.15 - Pre-Employment Medical Examinations</u>				
9	Allow for pre-employment medical examinations				
10	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>C11.9.15.1 - Non - contact thermometers</u>				
11	Non - contact thermometers				
12	Fixed: _____ Value related: _____ Time related: _____		Item		
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<u>Item No</u>		<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
	<u>C11.10 - Health and Safety Awareness</u>				
1	Allow for all compulsory health and safety awareness programmes (e.g. inductions, toolbox talks, safety promotions, OHS related training, etc.)				
2	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>C11.11- Health and Safety Training</u>				
3	Allow for all health and safety training (e.g. H&S representative, working at heights, fall protection planner, first aider level 2, scaffolding inspector, erector, supervisor, temporary works erector, construction plant operators etc.)				
4	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>C11.12 - Handling and Storage of Materials</u>				
5	Provide for adequate handling and storage of materials so as to minimize contamination of ground, air or water				
6	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>C11.13 - Collection and Disposal of Waste Material</u>				
7	Provide for the adequate and safe collection and disposal of general and hazardous waste material from site by an approved method				
8	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>C11.14 - Worker Facilities</u>				
9	Provide adequate and appropriate facilities and eating area for workers				
10	Fixed: _____ Value related: _____ Time related: _____		Item		
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<u>Item No</u>		<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
	<u>C11.15 - Maintenance of Records, Inspections, Etc.</u>				
1	Provide for a responsible person to prepare and update method statements, conduct regular inspections, maintain records and report to the Principal Agent				
2	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Clause C12 Security Clauses</u>				
3	Viewing of site in security areas, commencement of work in security areas, entrance permits to security areas, security check on personnel, prohibition on taking photographs are not applicable				
4	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Clause C13 HIV/AIDS Awareness</u>				
5	It is required of the contractor to thoroughly study the HIV/AIDS Specification (PW1544) of the Department of Public Works that must be read together with and is deemed to be incorporated under this Section of the Bills of Quantities. Provision for pricing of HIV/AIDS awareness is made under items C10.1 to C10.5 hereafter and it is explicitly pointed out that all requirements of the aforementioned specification are deemed to be priced hereunder, as the said items represent the only method of measurement and no additional items or extras to the contract in this regard shall be entertained				
6	The contractor must take note that compliance with the HIV/AIDS Specification is compulsory. In the event of partial or total non-compliance, the principal agent, notwithstanding the provisions of Clause A 31 of “Section 1: Preliminaries (Section A)” or any other clause to the contrary, reserves the right to delay issuing any progress payment certificate until the contractor provides satisfactory proof of compliance. The contractor shall not be entitled to any compensation of whatsoever nature, including interest, due to such delay of payment				
	Carried to Collection				
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Refurbishment of VIP Ablutions, Classrooms & External Works
Nomyaca High School-KZN

<u>Item No</u>		<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
	<u>C13.1 - Awareness Campaign</u>				
1	Selection, appointment, briefing and making available of an Awareness Campaign including provision of all relevant services, all in accordance with the HIV/AIDS Specification				
2	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>C13.2 - Awareness Workshops</u>				
3	Selection and appointment of a competent Service Provider approved by the principal agent, provision of a Service Provider Workshop Plan and a suitable venue, conducting of awareness workshops by means of traditional and/or modern multi-media techniques, including follow-up courses, making available all tuition material and performing assessment procedures, all in accordance with the HIV/AIDS Specification				
4	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>C13.3 - Posters, Booklets, Videos, Etc.</u>				
5	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				
6	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>C13.4 - Monitoring</u>				
7	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				
8	Fixed: _____ Value related: _____ Time related: _____		Item		
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<u>Item No</u>		<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
	<u>Clause C14 Reporting by Contractor</u>				
1	The contractor is required to complete the attached Contractor's Monthly Report which is to be submitted together with the Contractor's payment claim. Payment of the contractor's is conditional on this information being adequate, accurate and timeously submitted				
2	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Clause C15 Structural Safety</u>				
3	The contractor shall take due care and reasonable measures to ensure that all alterations works are structurally practicable and safe. The contractor shall provide for and price under the relevant demolition item for all necessary temporary propping and support as maybe required				
4	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Clause C16 Condemned Work</u>				
5	The contractor shall remove from site all materials not conforming with the relevant specification and condemned by the Principal Agent whether incorporated in the works or not. The contractor shall replace such material and re-execute the affected works in accordance with the contract and without expense to the Employer				
6	The contractor shall also bear the expense of making good any other work damaged or destroyed by such removal or replacement				
7	Fixed: _____ Value related: _____ Time related: _____		Item		
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	<i>SECTION NO. 1: PRELIMINARIES</i> <i>Bill No. 1: Preliminaries</i> DBSA-KZN				

<u>Item No</u>		<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
	<u>Clause C17 Co-operation of Contractor for Cost Management</u>				
1	It is specifically agreed that the contractor accepts the obligation of assisting the Principal Agent in implementing proper project cost management. The contractor will be advised by the Principal Agent of all cost management procedures which will be implemented to ensure that the final building costs do not exceed the budget. The Principal Agent undertakes to make available to the contractor all budgetary allowances and cost assessments / reports to enable the proper procedure to be implemented and the contractor shall attend all cost plan review and cost management meetings. The contractor undertakes to extend these procedures, as necessary, to all subcontractors				
2	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Clause C18 Disposal of Solid Waste / Environmentally Sensitive Materials</u>				
3	All disposal of solid waste shall be done at an approved disposal site to be located by the contractor. All handling of environmentally sensitive materials such as asbestos, etc. is to be carried out by a registered waste disposal specialist and all laws and by-laws of the appropriate state body are to be complied and adhered. Written confirmation of appropriate disposal is to be issued to the Principal Agent by the registered waste disposal specialist				
4	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Clause C19 Interference with Traffic Flow and Nearby Properties</u>				
5	All operations necessary for the execution of the works and for the construction of any temporary works shall not have unnecessary or improper interference with access of public permanent roads and footpaths. The contractor shall indemnify the Employer in respect of all claims, demands, proceedings, damages, costs, charges, and expenses whatsoever arising out of or in respect of or in relation to any such matters				
	Carried to Collection			R	
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Refurbishment of VIP Ablutions, Classrooms & External Works
Nomyaca High School-KZN

<u>Item No</u>		<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
1	The contractor shall at all times accommodate such provisions as may be necessary in the opinion of the Principal Agent to ensure that disruptions to the occupants of the nearby buildings or the public is kept to an absolute minimum				
2	The contractor shall make all necessary provisions in his rates for his requirements and no additional entitlement on the part of the contract in compliance with these requirements shall be entertained				
3	The contractor must reinstate the existing street, pavings, kerbs, etc., to their original state or condition on completion of the works to the satisfaction of the Principal Agent				
4	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Clause C20 Local Building Materials</u>				
5	Preference shall be given to the supply and use of materials produced and/or manufactured in the Gauteng Province, provided that:				
6	a) Such materials comply in all respects with the specific requirements of PW371;				
7	b) The availability of such materials shall not adversely affect the desired progress of the specific works;				
8	c) The use of such materials shall not constitute grounds for any claim for increased costs in respect thereof				
9	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Clause C21 Local Labour and Local Labour Rates</u>				
10	It is a condition of this tender that only persons normally resident in the locality of the works (local labour) may be employed on the contract as the unskilled or general labour force. In the event that adequate and appropriate labour is not available within the locality, other labour may be considered subject to satisfactory proof being provided that all reasonable endeavour has been made to employ labour from the locality				
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Nomyaca High School-KZN

<u>Item No</u>		<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
1	The contractor, together with the Social Facilitator and the Community Liaison Officer (CLO), shall set-up a labour desk through which all local labour requirements shall be outlined and employment facilitated thereof				
2	Tenderers are informed that the rate for unskilled labourers will be a minimum of R 166.08 (One Hundred and Sixty Six Rand and Eight Cents) per day				
3	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Clause C22 Certificates of Compliance</u>				
4	The contractor will be expected to submit Certificates of Compliance (CoC's) for all elements of work as listed on the CoC register appended to this tender document. It is assumed that the contractor will include in his pricing the costs associated with producing the CoC's for each identified element. The CoC's are to be issued and signed by certified persons and in the case of items like glazing, etc. the CoC is to be issued by the manufacturer				
5	The contractor must take note that compliance with this requirement of the works is compulsory. In the event of partial or total non-compliance, the principal agent, notwithstanding the provisions of clause A31.0 of Section A or any other clause to the contrary, reserves the right to delay issuing any progress payment certificate until the contractor provides satisfactory proof of compliance. The contractor shall not be entitled to any compensation of whatever nature, including interest, due to such delay of payment. The principal agent may instruct the contractor to submit CoC's as part of the contractor's monthly report. The submission of the CoC's will be tracked according to the CoC register, an updated copy of which must be kept on site at all times				
6	Fixed: _____ Value related: _____ Time related: _____		Item		
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<u>Item No</u>		<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
	<u>Clause C23 Employment of Community Liaison Officer (CLO)</u>				
1	The contractor shall employ a CLO for the project for the full duration of the contract. The duties of the CLO, remuneration and conditions of employment shall be in accordance with the "Agreement of Temporary Employment as CLO", to be agreed with the Employer				
2	A provisional amount is made in these Bills of Quantities under the Provisional Sums for the employment of the CLO and the tenderer is not to include any provisions for the payment of the CLO's salary when pricing this item				
3	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>Clause C24 Subcontracting, EME / QSE / SMME Development and Mentoring</u>				
4	The contractor shall be required to sub-contract work to local SMMEs / contractors which are EMEs / QSEs and have a CIDB grading that ranges from 1GB / 1CE to Grade 4GB / 4CE for the project				
5	The percentage value of the works to be sub-contracted to local SMMEs is to be of 20% of the total contract value excluding Preliminaries, Contingencies and Escalation (where applicable). The subcontracting agreement is to be entered into in accordance with the provisions of the Preferential Procurement Policy Framework Act, 2000: Preferential Procurement Regulations, 2017 as published by the National Treasury in Government Gazette No. 40553 of 20 January 2017, read in conjunction with the Specification for Social and Economic Deliverables in Construction Works Contracts version 2 of December 2008 published by the Construction Industry Development Board				
6	The list of local SMMEs from which tenderers are to choose potential sub-contractors has been included in the tender document. The SMMEs on the list have already been vetted by the DID and are compliant with regards to Centralised Supplier Database (CSD) and CIDB registration				
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Refurbishment of VIP Ablutions, Classrooms & External Works
Nomyaca High School-KZN

<u>Item No</u>		<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
1	However, it is the tenderer's responsibility to verify each potential sub-contractor under consideration to check that they have the requisite capacity i.e. financial and technical capability, track record and construction management systems to perform the scope of works that maybe allocated to them				
2	Tenderers will be required to go through a competitive tendering process for the identified sub-contract works. The priced tender documents are to be submitted together with the main tender document				
3	The scope and extent of the sub-contract works is to be agreed with the Employer prior to commencement with the works				
4	The contractor is required to make allowance for management and supervision of the SMMEs for the duration of the contract				
5	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>C26 Labour Intensive Methods and Requirements</u>				
6	The contractor shall comply with all the requirements set out in the Code of Good Practice for Employment and Conditions of Employment Act, 1997 (Act No.75 of 1997) and promulgated in Government Gazettes Notice no. P64 of 25 January 2002				
7	It is required of the contractor to thoroughly study the Labour-Intensive Specification that must be read together with and is deemed to be incorporated under this Section of the bills of quantities				
8	The contractor must take note that compliance with the Labour-Intensive Act, is compulsory. In the event of partial or total non-compliance, the principal agent, notwithstanding the provisions of clause A31.0 of Section A or any other clause to the contrary, reserves the right to delay issuing any progress payment certificate until the contractor provides satisfactory proof of compliance. The contractor shall not be entitled to any compensation of whatever nature, including interest, due to such delay of payment				
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Refurbishment of VIP Ablutions, Classrooms & External Works
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<u>Item No</u>		<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
1	Provision for pricing of the Labour-Intensive 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				
2	Fixed: _____ Value related: _____ Time related: _____		Item		
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<u>Item No</u>		<u>Quantity</u>	<u>Unit</u>	<u>Rate</u>	<u>Amount</u>
	<p><u>SECTION NO. 2</u></p> <p><u>BILL No. 1: ALTERATIONS</u></p> <p>NOTE: The contractor is advised to study the Model Preambles for Trades before pricing this bill</p> <p><u>Building Locations</u></p> <p>1. Boys 2. Girls 3. Staff 4. Classrooms & Admin 5. External Works 6. Provisional Sums F. Provisional Quantities G. Preliminaries</p> <p><u>View site</u></p> <p>Before submitting his tender the tenderer shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials salvageable from the alterations. No claim for any variations of the contract sum in respect of the nature and extent of the work or of inferior or damaged materials will be entertained</p> <p><u>Explosives</u></p> <p>No explosives whatsoever may be used for alteration purposes unless otherwise stated</p> <p><u>General</u></p> <p>The contractor shall carry out the whole of the works with as little mess and noise as possible and with a minimum of disturbance to tenants in the building and to adjoining premises and their tenants. He shall provide proper protection and provide, erect and remove when directed, any temporary tarpaulins that may be necessary during the progress of the works, all to the satisfaction of the principal agent</p> <p>Doors, fanlights, windows, fittings, frames, linings, etc which are to remain the property of the employer shall be carefully taken out, temporarily stored, and handed over to the employer</p>				
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	<p><i>SECTION NO. 2: BUILDING WORKS</i></p> <p><i>Bill No. 1: Alterations</i></p> <p>DBSA-KZN</p>				

<u>Item No</u>		<u>Quantity</u>	<u>Unit</u>	<u>Rate</u>	<u>Amount</u>
	<p>Doors, fanlights, windows, fittings, frames, linings, etc which are to be re-used shall be thoroughly overhauled before refixing including taking off, easing and rehanging, cramping up, re-wedging as required and making good cramps, dowels, etc, and oiling, adjusting and repairing ironmongery as necessary, replacing any glass damaged in removal or subsequently and stopping up all nail and screw holes with tinted plastic wood to match timber, unless otherwise described. Re-painting or re-varnishing is given separately</p> <p>Prices for taking out of doors, windows, etc shall include for removal of all beads, architraves, ironmongery, etc</p> <p>Prices for taking out and removing doors and frames shall include for removing door stops, cabin hooks, etc</p> <p>With regard to building up of openings in existing walls, cement screeds and pavings, granolithic, tops of walls, etc, shall be levelled and prepared for raising of brickwork</p> <p>Making good of finishes shall include making good of the brick and concrete surfaces onto which the new finishes are applied, where necessary</p> <p>The contractor will be required to take all dimensions affecting the existing buildings on the site and he will be held solely responsible for the accuracy of all such dimensions where used in the manufacture of new items (doors, windows, fittings, etc)</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>REMOVAL OF EXISTING WORK</u></p> <p><u>Take down and removing</u></p>				
1	<p>Existing barge board and replace with new. (New elsewhere measured)</p> <p>1 : 0 2 : 0 3 : 0 4 : 367</p> <p>5 : 0 6 : 0 F : 0 G : 0</p> <p><u>Taking out doors, windows, etc, including thresholds, sills, etc, and fixing new in similar position</u></p>	367	m		
2	<p>Steel window frame 950 x 1440mm, broken glazing and ironmongery including setting up and building in frame in brickwork, (New window elsewhere measured).</p> <p>1 : 0 2 : 0 3 : 0 4 : 47</p> <p>5 : 0 6 : 0 F : 5 G : 0</p>	52	No		
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	<p><i>SECTION NO. 2: BUILDING WORKS</i></p> <p><i>Bill No. 1: Alterations</i></p> <p>DBSA-KZN</p>				

Refurbishment of VIP Ablutions, Classrooms & External Works
Nomyaca High School-KZN

<u>Item No</u>		<u>Quantity</u>	<u>Unit</u>	<u>Rate</u>	<u>Amount</u>
1	Timber single door and frame 900 x 2100mm high overall, including setting up and building in frame in brickwork, rehanging door (New frame and door elsewhere measured). 1 : 0 2 : 0 3 : 0 4 : 21 5 : 0 6 : 0 F : 0 G : 0 <u>Taking out and removing ironmongery</u>	21	No		
2	Mortice lockset from timber door 1 : 0 2 : 0 3 : 0 4 : 21 5 : 0 6 : 0 F : 0 G : 0 <u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc</u>	21	No		
3	Asbestos roof sheeting and timber purlins by registered and approved contractor in compliance with Section 20 of the Environment Conservation Act 1989 (Act 73 of 1989) and dispose as directed 1 : 0 2 : 0 3 : 0 4 : 1137 5 : 0 6 : 0 F : 0 G : 0	1 137	m2		
4	Gypsum plasterboard ceilings, including timber branderling, cornices, etc 1 : 0 2 : 0 3 : 0 4 : 1137 5 : 0 6 : 0 F : 0 G : 0	1 137	m2		
5	Vinyl floor covering 1 : 0 2 : 0 3 : 0 4 : 1137 5 : 0 6 : 0 F : 0 G : 0 <u>Taking out and removing sundry joinery work, fittings, etc</u>	1 137	m2		
6	Timber chalk board 2500 x 1500mm high and replace with new. (New elsewhere measured) 1 : 0 2 : 0 3 : 0 4 : 14 5 : 0 6 : 0 F : 0 G : 0 <u>Taking out/off and removing glass and mirrors</u>	14	No		
7	Glass from steel windows, including cleaning out rebates and preparing for new glass 1 : 0 2 : 0 3 : 0 4 : 0 5 : 0 6 : 0 F : 14 G : 0	14	m2		
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Refurbishment of VIP Ablutions, Classrooms & External Works
Nomyaca High School-KZN

<u>Item No</u>		<u>Quantity</u>	<u>Unit</u>	<u>Rate</u>	<u>Amount</u>
	<u>MAKING GOOD OF FINISHES ETC</u>				
	<u>Making good surface finishes</u>				
1	Plasterworks to receive new paint. (Paintwork elsewhere measured) 1 : 0 2 : 0 3 : 0 4 : 0 5 : 0 6 : 0 F : 881 G : 0	881	m2		
	<u>Make good cement screed</u>				
2	25mm Thick cement screed in patching 1 : 0 2 : 0 3 : 0 4 : 1137 5 : 0 6 : 0 F : 0 G : 0	1 137	m2		
	<u>Make good internal and external cement plaster</u>				
3	Walls in patching 1 : 0 2 : 0 3 : 0 4 : 0 5 : 0 6 : 0 F : 881 G : 0	881	m2		
4	Walls in patching with Sika 1 waterproofing additive including fixing galvanised birdmesh to brick walls 1 : 0 2 : 0 3 : 0 4 : 0 5 : 0 6 : 0 F : 370 G : 0	370	m2		
	<u>Overhaul existing timber doors and timber frames and service, including taking off, easing and rehanging, cramping up, re-welding as required and making good cramps, dowels, etc. and easing, oiling, adjusting and repairing ironmongery as necessary, replacing any glass damaged in removal or subsequently and stopping up all nail and screw holes with plastic wood. (New handles, stays, hinges, glazing elsewhere)</u>				
5	Timber frame and single swing door size 813 x 2032mm 1 : 0 2 : 0 3 : 0 4 : 0 5 : 0 6 : 0 F : 20 G : 0	20	No		
	Carried to Collection				
	<i>SECTION NO. 2: BUILDING WORKS</i> <i>Bill No. 1: Alterations</i> DBSA-KZN			R	

Refurbishment of VIP Ablutions, Classrooms & External Works
Nomyaca High School-KZN

<u>Item No</u>		<u>Quantity</u>	<u>Unit</u>	<u>Rate</u>	<u>Amount</u>
	<u>Inspect existing window sash, service, adjust and oil hinges, stays and handles as necessary (New handles, stays and hinges where required elsewhere measured)</u>				
1	Side hung steel sash 1 : 0 2 : 0 3 : 0 4 : 0 5 : 0 6 : 0 F : 30 G : 0	30	No		
2	Top hung steel sash 1 : 0 2 : 0 3 : 0 4 : 0 5 : 0 6 : 0 F : 30 G : 0	30	No		
	<u>Remove broken hinges, stays, handles and weld or screw on new to existing windows including screws, washers, grind welds smooth and touch up with cold galvanising, etc</u>				
3	Handle backplate 1 : 0 2 : 0 3 : 0 4 : 0 5 : 0 6 : 0 F : 30 G : 0	30	No		
4	Peg stay pin bracket 1 : 0 2 : 0 3 : 0 4 : 0 5 : 0 6 : 0 F : 30 G : 0	30	No		
5	Peg stay rest bracket 1 : 0 2 : 0 3 : 0 4 : 0 5 : 0 6 : 0 F : 30 G : 0	30	No		
6	Peg stay fixing bracket 1 : 0 2 : 0 3 : 0 4 : 0 5 : 0 6 : 0 F : 30 G : 0	30	No		
7	Slide stay 1 : 0 2 : 0 3 : 0 4 : 0 5 : 0 6 : 0 F : 30 G : 0	30	No		
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SECTION NO. 2: BUILDING WORKS
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Refurbishment of VIP Ablutions, Classrooms & External Works
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<u>Item No</u>		<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
	<u>Earth filling obtained from the excavations and/or prescribed stock piles on site, compacted to 95% Mod AASHTO density</u>				
1	Backfilling to trenches, holes, etc 1 : 29 2 : 29 3 : 0 4 : 0 5 : 0 6 : 0 F : 0 G : 0	m3	59		
	<u>Hardcore filling</u>				
2	Under floors etc 1 : 5 2 : 5 3 : 5 4 : 0 5 : 0 6 : 0 F : 0 G : 0	m3	16		
	<u>Compaction of surfaces</u>				
3	Compaction of ground surface under floors etc 1 : 34 2 : 34 3 : 35 4 : 0 5 : 0 6 : 0 F : 0 G : 0	m2	104		
	<u>Prescribed density tests on filling</u>				
4	"Modified AASHTO Density" test 1 : 2 2 : 2 3 : 2 4 : 0 5 : 0 6 : 0 F : 0 G : 0	No	5		
	<u>SOIL POISONING</u>				
	<u>Soil insecticide</u>				
5	To bottoms and sides of trenches etc 1 : 187 2 : 187 3 : 77 4 : 0 5 : 0 6 : 0 F : 0 G : 0	m2	451		
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<u>SECTION NO. 2</u>				
<u>BILL No. 3: CONCRETE, FORMWORK AND REINFORCEMENT</u>				
NOTE: The contractor is advised to study the Model Preambles for Trades before pricing this bill				
<u>Building Locations</u>				
1. Boys				
2. Girls				
3. Staff				
4. Classrooms & Admin				
5. External Works				
6. Provisional Sums				
F. Provisional Quantities				
G. Preliminaries				
<u>SUPPLEMENTARY PREAMBLES</u>				
Concrete batching				
Unless otherwise agreed in writing by the Engineer all cement and aggregate shall be batched by weight using an acceptable concrete batching' plant. Details of the proposed type of batching plant must be submitted with the tender				
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 to the approval of the architect. (Test cubes are measured separately)				
Carried to Collection			R	
<i>SECTION NO. 2: BUILDING WORKS</i>				
<i>Bill No. 3: Concrete, Formwork and Reinforcement</i>				
DBSA-KZN				

<u>Item No</u>		<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
	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.				
	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>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>				
	<u>25MPa/19mm Concrete in:</u>				
1	Strip footings	m3	11		
	1 : 6 2 : 6 3 : 0 4 : 0				
	5 : 0 6 : 0 F : 0 G : 0				
	<u>REINFORCED CONCRETE CAST AGAINST SURFACES</u>				
	<u>25MPa/19mm Concrete</u>				
2	Surface beds on waterproofing	m3	19		
	1 : 7 2 : 7 3 : 6 4 : 0				
	5 : 0 6 : 0 F : 0 G : 0				
3	Ramps	m3	1		
	1 : 0 2 : 0 3 : 1 4 : 0				
	5 : 0 6 : 0 F : 0 G : 0				
	Carried to Collection				R
	<i>SECTION NO. 2: BUILDING WORKS</i>				
	<i>Bill No. 3: Concrete, Formwork and Reinforcement</i>				
	DBSA-KZN				

<u>Item No</u>		<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
1	Aprons cast in panels on waterproofing 1 : 2 2 : 2 3 : 2 4 : 0 5 : 0 6 : 0 F : 0 G : 0 <u>REINFORCED CONCRETE</u>	m3	7		
2	Slabs 1 : 4 2 : 4 3 : 3 4 : 0 5 : 0 6 : 0 F : 0 G : 0 <u>TEST CUBES</u>	m3	10		
3	Making and testing 150 x 150 x 150mm concrete strength test cube 1 : 4 2 : 4 3 : 4 4 : 0 5 : 0 6 : 0 F : 0 G : 0 <u>Finishing top surfaces of concrete smooth with a steel trowel</u>	No	11		
4	Surface beds, slabs, etc 1 : 99 2 : 99 3 : 100 4 : 0 5 : 0 6 : 0 F : 0 G : 0 <u>ROUGH FORMWORK (DEGREE OF ACCURACY III)</u> <u>Rough formwork to soffits</u>	m2	298		
5	Slabs propped up exceeding 1.5m and not exceeding 2m high 1 : 14 2 : 14 3 : 12 4 : 0 5 : 0 6 : 0 F : 0 G : 0 <u>REINFORCEMENT</u> <u>Fabric reinforcement</u>	m2	40		
6	Type193 fabric reinforcement in concrete surface beds, slabs, etc 1 : 113 2 : 113 3 : 112 4 : 0 5 : 0 6 : 0 F : 0 G : 0	m2	338		
Carried to Collection					R
SECTION NO. 2: BUILDING WORKS Bill No. 3: Concrete, Formwork and Reinforcement DBSA-KZN					

Section No. 2

Bill No. 3

Bill No. 3: Concrete, Formwork and Reinforcement

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Bill No. 3: Concrete, Formwork and Reinforcement

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<u>Item No</u>	<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
<u>SECTION NO. 2</u>				
<u>BILL No. 4: MASONRY</u>				
NOTE: The contractor is advised to study the Model Preambles for Trades before pricing this bill				
NOTE: The contractor is advised to study the Architect's drawings before pricing this bill. In the case of any discrepancies between the bill and the drawings the contractor must notify the Principal Agent.				
<u>Trade Names</u>				
Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. Items, materials or methods of similar quality may be used with prior written approval from the Representative / Agent				
<u>Building Locations</u>				
1. Boys				
2. Girls				
3. Staff				
4. Classrooms & Admin				
5. External Works				
6. Provisional Sums				
F. Provisional Quantities				
G. Preliminaries				
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>BRICKWORK</u>				
<u>Sizes in descriptions</u>				
Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick				
<u>Hollow walls, etc</u>				
Descriptions of hollow walls shall be deemed to include leaving every fifth perpend of the bottom course of the external skin open as a weep hole				
Carried to Collection				R
<i>SECTION NO. 2: BUILDING WORKS</i>				
<i>Bill No. 4: Masonry</i>				
DBSA-KZN				

<u>Item No</u>		<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
	<p><u>Wall ties</u></p> <p>Wall ties shall be "Joluka Posi-ties Type PTT 4 Ref: 8312" or similar approved. Ties for hollow walls shall be of sufficient length to allow not less than 75mm of each end to be built into the brickwork. Ties are to be spaced at intervals of not more than 1m in the horizontal direction and not more than 400mm staggered in the vertical direction except at openings, vertical joints or ends of walls where they are to be placed vertically above each other</p> <p><u>Face bricks</u></p> <p>Bricks shall be ordered timeously to obtain uniformity in size and colour</p> <p><u>Pointing</u></p> <p>Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc</p> <p><u>FOUNDATIONS</u></p> <p><u>Brickwork of NFX bricks (14 MPa nominal compressive strength and maximum water absorption 12%) in class II mortar in loadbearing walls etc</u></p>				
1	<p>One brick walls</p> <p>1 : 35 2 : 35 3 : 28 4 : 0</p> <p>5 : 0 6 : 0 F : 0 G : 0</p>	m2	98		
2	<p>One brick walls in pits</p> <p>1 : 28 2 : 28 3 : 25 4 : 0</p> <p>5 : 0 6 : 0 F : 0 G : 0</p>	m2	81		
	<p><u>SUPERSTRUCTURE</u></p> <p><u>Brickwork of NFX bricks (14 MPa nominal compressive strength and maximum water absorption 12%) in class II mortar in loadbearing walls etc</u></p>				
3	<p>Half brick walls</p> <p>1 : 34 2 : 58 3 : 26 4 : 0</p> <p>5 : 0 6 : 0 F : 0 G : 0</p>	m2	118		
	<p style="text-align: right;">Carried to Collection</p> <p><i>SECTION NO. 2: BUILDING WORKS</i> <i>Bill No. 4: Masonry</i> DBSA-KZN</p>				R

Refurbishment of VIP Ablutions, Classrooms & External Works
Nomyaca High School-KZN

<u>Item No</u>		<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
1	Half brick walls in beamfilling 1 : 7 2 : 7 3 : 6 4 : 0 5 : 0 6 : 0 F : 0 G : 0	m2	20		
2	One brick walls 1 : 95 2 : 95 3 : 69 4 : 0 5 : 0 6 : 0 F : 0 G : 0	m2	260		
<u>BRICKWORK SUNDRIES</u>					
3	Closing 80mm cavities of hollow walls vertically with 15Mpa concrete 1 : 1 2 : 1 3 : 1 4 : 0 5 : 0 6 : 0 F : 0 G : 0	m	3		
<u>Brickwork reinforcement</u>					
4	75mm Wide reinforcement built in horizontally 1 : 178 2 : 281 3 : 154 4 : 0 5 : 0 6 : 0 F : 0 G : 0	m	614		
5	150mm Wide reinforcement built in horizontally 1 : 467 2 : 467 3 : 357 4 : 0 5 : 0 6 : 0 F : 0 G : 0	m	1 291		
<u>Turning pieces</u>					
6	90mm Wide turning piece to lintels etc 1 : 1 2 : 1 3 : 3 4 : 0 5 : 0 6 : 0 F : 0 G : 0	m	5		
<u>Air bricks etc</u>					
7	229 x 152mm Louvre grille air brick 1 : 13 2 : 15 3 : 11 4 : 0 5 : 0 6 : 0 F : 0 G : 0	No	39		
<u>FACE BRICKWORK</u>					
<u>"Rainbow light semi facebrick" or similar approved face bricks pointed with recessed horizontal and vertical joints</u>					
8	Extra over brickwork for face brickwork 1 : 97 2 : 97 3 : 67 4 : 0 5 : 0 6 : 0 F : 0 G : 0	m2	260		
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SECTION NO. 2: BUILDING WORKS					
Bill No. 4: Masonry					
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SECTION NO. 2: BUILDING WORKS
Bill No. 4: Masonry
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Bill No. 4

Bill No. 4: Masonry

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SECTION NO. 2: BUILDING WORKS
Bill No. 5: Waterproofing
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Bill No. 5

Bill No. 5: Waterproofing

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SECTION NO. 2: BUILDING WORKS
Bill No. 5: Waterproofing
DBSA-KZN

<u>Item No</u>		<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
	<p><u>SECTION NO. 2</u></p> <p><u>BILL No. 6: ROOF COVERINGS ETC</u></p> <p>NOTE: The contractor is advised to study the Model Preambles for Trades before pricing this bill</p> <p>NOTE: The contractor is advised to study the Architect's drawings before pricing this bill. In the case of any discrepancies between the bill and the drawings the contractor must notify the Principal Agent.</p> <p><u>Building Locations</u></p> <p>1. Boys 2. Girls 3. Staff 4. Classrooms & Admin 5. External Works 6. Provisional Sums F. Provisional Quantities G. Preliminaries</p> <p><u>Trade Names</u></p> <p>Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. Items, materials or methods of similar quality may be used with prior written approval from the Representative / Agent</p> <p><u>PROFILED METAL SHEETING AND ACCESSORIES</u></p> <p><u>0,5mm galvanized metal IBR roof sheet, complete with all necessary accessories</u></p>				
1	<p>Roof covering with a 5 degree pitch</p> <p>1 : 67 2 : 67 3 : 45 4 : 1137</p> <p>5 : 0 6 : 0 F : 0 G : 0</p>	m2	1 318		
	<p style="text-align: right;">Carried Forward to Summary of Section 2</p> <p><i>SECTION NO. 2: BUILDING WORKS</i> <i>Bill No. 6: Roof Coverings, etc</i> DBSA-KZN</p>			R	

<u>Item No</u>		<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
	<p><u>SECTION NO. 2</u></p> <p><u>BILL No. 7: CARPENTRY AND JOINERY</u></p> <p>NOTE: The contractor is advised to study the Model Preambles for Trades before pricing this bill</p> <p>NOTE: The contractor is advised to study the Architect's drawings before pricing this bill. In the case of any discrepancies between the bill and the drawings the contractor must notify the Principal Agent.</p> <p><u>Building Locations</u></p> <p>1. Boys 2. Girls 3. Staff 4. Classrooms & Admin 5. External Works 6. Provisional Sums F. Provisional Quantities G. Preliminaries</p> <p><u>Trade Names</u></p> <p>Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. Items, materials or methods of similar quality may be used with prior written approval from the Representative / Agent</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Particle board</u></p> <p>Particle board shall comply with the following specifications:a) SABS 1300 Particle board: exterior and flooring typeb) SABS 1301 Particle board: interior type</p> <p>Descriptions of frames shall be deemed to include frames, transomes, mullions, rails, etc</p> <p><u>Joinery</u></p> <p>Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes</p> <p style="text-align: right;">Carried to Collection</p> <p><i>SECTION NO. 2: BUILDING WORKS</i> <i>Bill No. 7: Capentry and Joinery</i> DBSA-KZN</p>				
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<u>Item No</u>		<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
	<u>Fixing</u>				
	Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete				
	<u>Decorative laminate finish</u>				
	Laminate finish shall be glued under pressure. Edge strips shall be butt jointed at junctions with adjacent similar finish				
	<u>ROOFS ETC</u>				
	<u>Sawn softwood</u>				
1	38 x 114mm Wall plates 1 : 24 2 : 24 3 : 17 4 : 286 5 : 0 6 : 0 F : 0 G : 0	m	352		
2	76 x 50mm Purlins 1 : 76 2 : 76 3 : 53 4 : 1423 5 : 0 6 : 0 F : 0 G : 0	m	1 627		
3	38 x 176mm Rafters in lengths exceeding 3,9m and not exceeding 6,6m 1 : 59 2 : 59 3 : 45 4 : 0 5 : 0 6 : 0 F : 0 G : 0	m	164		
	<u>PLATE NAILED TIMBER ROOF TRUSS CONSTRUCTION ETC</u>				
	Trusses are at maximum 900mm centres				
4	Truss type A, 10000mm overall on plan x 1500mm high overall with 500mm eaves projection on both sides, including part trusses, jack rafters, hip rafters, permanent bracing, etc (purlins elsewhere) 1 : 0 2 : 0 3 : 0 4 : 22 5 : 0 6 : 0 F : 0 G : 0	No	22		
5	Truss type B, 7000mm overall on plan x 1500mm high overall with 500mm eaves projection on both sides, including part trusses, jack rafters, hip rafters, permanent bracing, etc (purlins elsewhere) 1 : 0 2 : 0 3 : 0 4 : 142 5 : 0 6 : 0 F : 0 G : 0	No	142		
	Carried to Collection				R
	<i>SECTION NO. 2: BUILDING WORKS</i> <i>Bill No. 7: Capentry and Joinery</i> DBSA-KZN				

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<u>Item No</u>		<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
	<u>Sundries</u>				
1	Two coats creosote on sawn timbers 1 : 3 2 : 3 3 : 2 4 : 147 5 : 0 6 : 0 F : 0 G : 0	m2	154		
2	1,6mm Diameter galvanised wire tie 900mm girth wrapped around rafter and purlin with ends tied together 1 : 12 2 : 12 3 : 10 4 : 328 5 : 0 6 : 0 F : 0 G : 0	No	362		
	<u>"Everite Flexit" pressed nutec-cement</u>				
3	12 x 225mm Fascias and barge boards including H-profile jointing strips 1 : 38 2 : 38 3 : 29 4 : 367 5 : 0 6 : 0 F : 0 G : 0	m	473		
	<u>SKIRTINGS</u>				
	<u>Wrought meranti</u>				
4	15 x 76mm Skirting including 15mm quadrant bead plugged 1 : 50 2 : 47 3 : 37 4 : 367 5 : 0 6 : 0 F : 0 G : 0	m	502		
	<u>DOORS ETC</u>				
	<u>Wrought Meranti doors hung to steel frames</u>				
5	40mm Door 813 x 2032mm high Framed, ledged and braced batten door formed of 40 x 110mm styles and top rail, 20 x 225mm bottom ledge, 20 x 150mm middle ledge and 20 x 110mm diagonal braces, filled in flush one side with 20 x 75mm tongued, grooved and V-jointed both sides vertical boarding fixed in and including grooves in styles and top rail 1 : 0 2 : 0 3 : 0 4 : 21 5 : 0 6 : 0 F : 0 G : 0	No	21		
	Carried to Collection				R
	<i>SECTION NO. 2: BUILDING WORKS</i> <i>Bill No. 7: Capentry and Joinery</i> DBSA-KZN				

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Nomyaca High School-KZN

<u>Item No</u>		<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
1	40mm Door 1000 x 2032mm high Framed, ledged and braced batten door formed of 40 x 110mm styles and top rail, 20 x 225mm bottom ledge, 20 x 150mm middle ledge and 20 x 110mm diagonal braces, filled in flush one side with 20 x 75mm tongued, grooved and V-jointed both sides vertical boarding fixed in and including grooves in styles and top rail <div> <div>1 : 1</div> <div>2 : 1</div> <div>3 : 3</div> <div>4 : 0</div> </div> <div> <div>5 : 0</div> <div>6 : 0</div> <div>F : 0</div> <div>G : 0</div> </div> <p><u>Semi-solid flush doors with commercial veneer on both sides hung to steel frames</u></p>	No	5		
2	40mm Door 813 x 2032mm high <div> <div>1 : 6</div> <div>2 : 10</div> <div>3 : 4</div> <div>4 : 0</div> </div> <div> <div>5 : 0</div> <div>6 : 0</div> <div>F : 0</div> <div>G : 0</div> </div>	No	20		
Carried to Collection					R
<p><i>SECTION NO. 2: BUILDING WORKS</i> <i>Bill No. 7: Capentry and Joinery</i> DBSA-KZN</p>					

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Bill No. 7

Bill No. 7: Capentry and Joinery

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Bill No. 7: Capentry and Joinery

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<u>Item No</u>		<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
	<p><u>SECTION NO. 2</u></p> <p><u>BILL No. 8: CEILINGS, PARTITIONS AND ACCESS FLOORING</u></p> <p>NOTE: The contractor is advised to study the Model Preambles for Trades before pricing this bill</p> <p>NOTE: The contractor is advised to study the Architect's drawings before pricing this bill. In the case of any discrepancies between the bill and the drawings the contractor must notify the Principal Agent.</p> <p><u>Building Locations</u></p> <p>1. Boys 2. Girls 3. Staff 4. Classrooms & Admin 5. External Works 6. Provisional Sums F. Provisional Quantities G. Preliminaries</p> <p><u>Trade Names</u></p> <p>Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. Items, materials or methods of similar quality may be used with prior written approval from the Representative / Agent</p> <p><u>CEILING TIMBERS, BEADS, INSULATION, ETC</u></p> <p><u>NAILED UP CEILINGS</u></p> <p><u>6.4mm "Rhino" or similar approved gypsum plasterboard with gypsum skim plaster trowelled to a smooth polished surface over joints</u></p>				
1	<p>Ceilings, including 38 x 38mmmm sawn softwood bandering at 400mm centres</p> <p>1 : 43 2 : 43 3 : 31 4 : 1137 5 : 0 6 : 0 F : 0 G : 0</p>	m2	1 255		
	<p style="text-align: right;">Carried to Collection</p> <p><i>SECTION NO. 2: BUILDING WORKS</i> <i>Bill No. 8: Ceilings, Partitions and Access Flooring</i> DBSA-KZN</p>			R	

Refurbishment of VIP Ablutions, Classrooms & External Works
Nomyaca High School-KZN

<u>Item No</u>		<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
1	Extra over ceiling and brandering for 600 x 600mm trap door with 38 x 50mm softwood frame and 38 x 114mm sawn softwood trimmers, fitted flush in opening with 19 x 50mm wrought softwood fillets all round 1 : 2 2 : 2 3 : 1 4 : 10 5 : 0 6 : 0 F : 0 G : 0 <u>"Fibreglass" insulation</u>	No	15		
2	75mm Insulation closely fitted and laid on top of brandering between roof timbers etc 1 : 111 2 : 111 3 : 76 4 : 1137 5 : 0 6 : 0 F : 0 G : 0 <u>CORNICES</u> <u>Gypsum plasterboard cornices</u>	m2	1 435		
3	75mm Coved cornices 1 : 32 2 : 32 3 : 39 4 : 0 5 : 0 6 : 0 F : 0 G : 0	m	103		
Carried to Collection					R
SECTION NO. 2: BUILDING WORKS Bill No. 8: Ceilings, Partitions and Access Flooring DBSA-KZN					

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Bill No. 8: Ceilings, Partitions and Access Flooring

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<u>Item No</u>		<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
	<u>BILL NO 9: FLOOR COVERINGS, WALL LININGS, ETC</u> NOTE: The contractor is advised to study the Model Preambles for Trades before pricing this bill NOTE: The contractor is advised to study the Architect's drawings before pricing this bill. In the case of any discrepancies between the bill and the drawings the contractor must notify the Principal Agent. <u>Building Locations</u> 1. Boys 2. Girls 3. Staff 4. Classrooms & Admin 5. External Works 6. Provisional Sums F. Provisional Quantities G. Preliminaries <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>300 x 300 x 2mm "Approved" semi flexible vinyl tiles</u>				
1	On existing screeded floors including self levelling screed. 1 : 0 2 : 0 3 : 0 4 : 1137 5 : 0 6 : 0 F : 0 G : 0	m2	1 137		
	<u>SKIRTINGS, NOSINGS, ETC</u> <u>"Aluminium" skirtings, nosings, etc</u>				
2	10mm vinyl edging 1 : 0 2 : 0 3 : 0 4 : 19 5 : 0 6 : 0 F : 0 G : 0	m	19		
	<p style="text-align: right;">Carried to Collection</p> <p><i>SECTION NO. 2: BUILDING WORKS</i> <i>Bill No. 9: Floor coverings, wall linings, etc</i> DBSA-KZN</p>				R

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Bill No. 9

Bill No. 9: Floor coverings, wall linings, etc

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Bill No. 9: Floor coverings, wall linings, etc

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SECTION NO. 2: BUILDING WORKS
Bill No. 10: Ironmongery
DBSA-KZN

SECTION NO. 2: BUILDING WORKS
Bill No. 10: Ironmongery
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Bill No. 10: Ironmongery

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Bill No. 10: Ironmongery
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<u>Item No</u>	<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
<u>SECTION 2</u>				
<u>Bill No. 11 Structural Steel (Provisional)</u>				
NOTE: Tenderers are advised to study the Model Preambles for Trades before pricing this bill				
<u>Building Locations</u>				
1. Boys				
2. Girls				
3. Staff				
4. Classrooms & Admin				
5. External Works				
6. Provisional Sums				
F. Provisional Quantities				
G. Preliminaries				
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>Descriptions</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				
Where anchor bolts are described as embedded in sides or soffits of concrete it shall be deemed to include holes through formwork.				
All bolts to be M16 electro-galvanised.				
All steelwork to be hot dip galvanised to ISO 1461-1999				
<u>General</u>				
All dimensions are to be checked with engineer's drawings and any discrepancies brought to the Principal's project manager's attention before any construction work commences				
Carried to Collection			R	
<i>SECTION NO. 2: BUILDING WORKS</i>				
<i>Bill No. 11: Structural Steel</i>				
DBSA-KZN				

<u>Item No</u>	<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
<u>Structural Steelwork</u>				
All structural steelwork shall be fabricated and erected in accordance with the latest edition of SABS 1200H				
All dimensions shall be checked on site before shop drawings commence. Any discrepancies shall be brought to the attention of the Principal's project manager				
A complete set of shop drawings shall be submitted to the engineer for approval before fabrication commences. The contractor shall allow one week for checking and approval by the Principal's project manager, and shall also allow for any possible changes to drawings				
The contractor shall design all welds and, where necessary, gussets of sufficient strength, shall be approved to obtain the required weld strength				
Setting out points (S.O.P's) at member centroids shall conform to those shown on general arrangement drawings. No eccentricities, except those shown on the engineer's drawings, shall be allowed				
All structural steelwork shall be grade 300W except cold formed hollow sections which shall be commercial grade				
A certificate from the steel manufacturer in which the grade of the structural steel is verified shall be handed to the Principal's project manager for approval				
All structural bolts shall be grade 8.8 unless otherwise noted				
The proposed method and sequence of erection of the structure shall be submitted to the Principal's Project Manager for written approval. Such submission is to take place at time of shop drawing submittal. The contractor shall indicate the proposed method of propping to ensure stability of the structure during erection. Such stability during erection remains the contractor's responsibility. Where temporary bracing and propping is necessary, the contractor shall be responsible for the design, erection, maintenance and removal (where necessary) of such supports. Proposal of such bracing or propping shall be submitted to the Principal's project manager at an early stage for written approval				
Carried to Collection				R
<i>SECTION NO. 2: BUILDING WORKS</i>				
<i>Bill No. 11: Structural Steel</i>				
DBSA-KZN				

SECTION NO. 2: BUILDING WORKS
Bill No. 11: Structural Steel
DBSA-KZN

Section No. 2

Bill No. 11

Bill No. 11: Structural Steel

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SECTION NO. 2: BUILDING WORKS
Bill No. 11: Structural Steel
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Refurbishment of VIP Ablutions, Classrooms & External Works
Nomyaca High School-KZN

<u>Item No</u>		<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
	<u>1,2mm Thick Double Rebated Frame For One Brick Wall Complete With Butts, Etc And Including Setting Up, Building In, Filling Back Of Frame With Cement Mortar, Etc</u>				
1	Frame for door 1000 x 2032mm high 1 : 1 2 : 1 3 : 3 4 : 0 5 : 0 6 : 0 F : 0 G : 0	No	5		
	<u>GALVANISED STEEL WINDOWS, DOORS, ETC</u>				
	<u>Standard residential windows with 10mm diameter solid burglar bars with 6mm thick toughened safety glass panel, ironmongery, etc</u>				
2	Window size , 535 x 655mm high 1 : 6 2 : 10 3 : 8 4 : 0 5 : 0 6 : 0 F : 0 G : 0	No	24		
3	Window size , 950 x 1440mm high 1 : 0 2 : 0 3 : 0 4 : 47 5 : 0 6 : 0 F : 5 G : 0	No	52		
4	Window size , 1020 x 655mm high 1 : 6 2 : 4 3 : 0 4 : 0 5 : 0 6 : 0 F : 0 G : 0	No	10		
	Carried to Collection				
	<i>SECTION NO. 2: BUILDING WORKS</i> <i>Bill No. 12: Metalwork</i> DBSA-KZN			R	

Section No. 2

Bill No. 12

Bill No. 12: Metalwork

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SECTION NO. 2: BUILDING WORKS

Bill No. 12: Metalwork

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SECTION NO. 2: BUILDING WORKS

Bill No. 13: Plastering

DBSA-KZN

<u>Item No</u>		<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
	<p><u>SECTION NO. 2</u></p> <p><u>BILL No. 14:TILING</u></p> <p>NOTE: The contractor advised to study the Model Preambles for Trades before pricing this bill</p> <p>NOTE: The contractor is advised to study the Architect's drawings before pricing this bill. In the case of any discrepancies between the bill and the drawings the contractor must notify the Principal Agent.</p> <p><u>Building Locations</u></p> <p>1. Boys</p> <p>2. Girls</p> <p>3. Staff</p> <p>4. Classrooms & Admin</p> <p>5. External Works</p> <p>6. Provisional Sums</p> <p>F. Provisional Quantities</p> <p>G. Preliminaries</p> <p><u>Trade Names</u></p> <p>Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. Items, materials or methods of similar quality may be used with prior written approval from the Representative / Agent</p> <p><u>WALL TILING</u></p> <p><u>152 x 152 x 5mm White glazed ceramic tiles on brickwork fixed with water proof adhesive and water proof tile grouting to joints. (cement plaster measured elsewhere)</u></p>				
1	<p>On walls</p> <p>1 : 3 2 : 6 3 : 1 4 : 0</p> <p>5 : 0 6 : 0 F : 0 G : 0</p>	m2	10		
	<p style="text-align: right;">Carried Forward to Summary of Section 2</p> <p><i>SECTION NO. 2: BUILDING WORKS</i></p> <p><i>Bill No. 14: Tiling</i></p> <p>DBSA-KZN</p>			R	

<u>Item No</u>		<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
	<p><u>SECTION NO. 2</u></p> <p><u>BILL No. 15: PLUMBING AND DRAINAGE</u></p> <p>NOTE: The contractor is advised to study the Model Preambles for Trades before pricing this bill</p> <p>NOTE: The contractor is advised to study the Architect's drawings before pricing this bill. In the case of any discrepancies between the bill and the drawings the contractor must notify the Principal Agent.</p> <p><u>Building Locations</u></p> <p>1. Boys 2. Girls 3. Staff 4. Classrooms & Admin 5. External Works 6. Provisional Sums F. Provisional Quantities G. Preliminaries</p> <p><u>Trade Names</u></p> <p>Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. Items, materials or methods of similar quality may be used with prior written approval from the Representative / Agent</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Concrete pipes</p> <p>Pipes shall be jointed with ogee joints with rubber collars or socket and spigot joints with rubber rings</p> <p>Vitrified clay pipes etc</p> <p>Pipes shall rest on solid ground and, where necessary, pockets of sufficient size shall be cut around joints to enable the jointing to be properly performed or, alternatively, pipes shall be bedded full length on and including unreinforced concrete laid in a semi-dry state immediately before pipes are laid</p> <p style="text-align: right;">Carried to Collection</p> <p><i>SECTION NO. 2: BUILDING WORKS</i> <i>Bill No. 15: Plumbing and Drainage</i> DBSA-KZN</p>				
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<u>Item</u> <u>No</u>	<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
uPVC pipes and fittings Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings Soil, waste and vent pipes and fittings shall be solvent weld jointed uPVC pressure pipes and fittings Pipes for water supply shall be of the class stated Pipes of 40mm diameter and smaller shall be plain ended with solvent welded uPVC loose sockets and fittings Pipes of 50mm diameter and greater shall have sockets and spigots with push-in type integral rubber ring joints. Bends shall be uPVC and all other fittings shall be cast iron, all with similar push-in type joints Copper pipes Pipes shall be hard drawn and half-hard pipes of the class stated. Class 0 (thin walled hard drawn) pipes shall not be bent. Class 1 (thin walled half-hard), class 2 (half-hard) and class 3 (heavy walled half-hard) pipes shall only be bent with benders with inner and outer formers. Fittings to copper waste, vent and anti-syphon pipes, capillary solder fittings and compression fittings shall be "Cobra Watertech" type. Capillary solder fittings shall comply with ISO 2016. Only compression fittings shall be used in walls or in ground Lead pipes and traps All soldered joints shall be wiped and brass unions shall be used for jointing lead to steel				
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SECTION NO. 2: BUILDING WORKS Bill No. 15: Plumbing and Drainage DBSA-KZN				

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SECTION NO. 2: BUILDING WORKS
Bill No. 15: Plumbing and Drainage
DBSA-KZN

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<u>Item No</u>	<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
Laying, backfilling, bedding, etc of pipes				
Pipes shall be laid and bedded and trenches shall be carefully backfilled in accordance with manufacturers' instructions				
Laying, backfilling, bedding, etc of pipes				
Pipes shall be laid and bedded and trenches shall be carefully backfilled in accordance with manufacturers' instructions				
Where no manufacturers' instructions exist pipes shall be laid in accordance with clauses 5.1 and 5.2 of each of the following: SABS 1200 L : Medium-pressure pipelines LD : Sewers LE : Stormwater drainage Pipe trenches etc shall be backfilled in accordance with clauses 3, 5.5, 5.6, 5.7 and 7 of SABS 1200 DB : Earthworks (Pipe trenches) Pipes shall be bedded in accordance with clauses 3.1 to 3.4.1, 5.1 to 5.3 and 7 of SABS 1200 LB : Bedding (Pipes). Unless otherwise described bedding of rigid pipes shall be class B bedding				
Flush pans				
Flush pans shall have straight or side outlets and "P" or "S" traps as necessary				
Waste unions				
Descriptions of waste unions shall be deemed to include rubber or vulcanite plugs and chains fixed to fittings				
Steel sectional water tanks				
Tanks shall comply with SABS CKS 114				
<u>RAINWATER DISPOSAL</u>				
Carried to Collection			R	
<i>SECTION NO. 2: BUILDING WORKS</i> <i>Bill No. 15: Plumbing and Drainage</i> DBSA-KZN				

Refurbishment of VIP Ablutions, Classrooms & External Works
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<u>Item No</u>		<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
	<u>8mm Metal sheet gutter or equally approved seamless gutter</u>				
1	100 x 125mm Eaves gutters 1 : 26 2 : 26 3 : 17 4 : 0 5 : 0 6 : 0 F : 0 G : 0	m	70		
2	Extra over 100 x 125mm eaves gutter for stopped end 1 : 4 2 : 4 3 : 4 4 : 0 5 : 0 6 : 0 F : 0 G : 0	No	12		
3	Extra over 100 x 125mm eaves gutter for angle 1 : 1 2 : 1 3 : 2 4 : 0 5 : 0 6 : 0 F : 0 G : 0	No	4		
	<u>"Marley Streamline" uPVC</u>				
4	80mm Diameter rainwater pipes 1 : 6 2 : 6 3 : 6 4 : 0 5 : 0 6 : 0 F : 0 G : 0	m	18		
5	Extra over 100 x 125mm eaves gutter for outlet for 80mm pipe 1 : 2 2 : 2 3 : 2 4 : 0 5 : 0 6 : 0 F : 0 G : 0	No	6		
6	Extra over 80mm rainwater pipe for bend 1 : 2 2 : 2 3 : 2 4 : 0 5 : 0 6 : 0 F : 0 G : 0	No	6		
	<u>uPVC pipes</u>				
7	110mm Diameter vent pipes 1 : 21 2 : 35 3 : 18 4 : 0 5 : 0 6 : 0 F : 0 G : 0	m	74		
	<u>SANITARY FITTINGS</u>				
	<u>"Atlas Plastic VIP 200"</u>				
8	Atlas Plastic VIP 200 Pedestal with seat cover or similar approved as per manufacturer's specification 1 : 6 2 : 10 3 : 1 4 : 0 5 : 0 6 : 0 F : 0 G : 0	No	17		
	Carried to Collection				R
	<i>SECTION NO. 2: BUILDING WORKS</i> <i>Bill No. 15: Plumbing and Drainage</i> DBSA-KZN				

Refurbishment of VIP Ablutions, Classrooms & External Works
Nomyaca High School-KZN

<u>Item No</u>		<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
1	Charlog waterless urinal bowl fitting or similar approved 1 : 6 2 : 0 3 : 0 4 : 0 5 : 0 6 : 0 F : 0 G : 0	No	6		
2	Charlog Christy wash hand basin or similar approved wash hand basins including steel wall brackets, taps, pipes complete installation to drains as instructed by architect 1 : 3 2 : 6 3 : 1 4 : 0 5 : 0 6 : 0 F : 0 G : 0	No	10		
<u>TANKS ETC</u>					
<u>"Jojo polythylene" water tanks etc</u>					
3	5000 Litre cylindrical tank complete with lid approximately 0.5m high above ground level on brickwork and reinforced concrete stand tied down as directed by Structural Engineer. 1 : 1 2 : 1 3 : 1 4 : 0 5 : 0 6 : 0 F : 0 G : 0	No	3		
<u>FIRE APPLIANCES ETC</u>					
4	9kg dry chemical powder fire extinguisher 1 : 1 2 : 1 3 : 1 4 : 6 5 : 0 6 : 0 F : 0 G : 0	No	9		
Carried to Collection					R
SECTION NO. 2: BUILDING WORKS Bill No. 15: Plumbing and Drainage DBSA-KZN					

Section No. 2

Bill No. 15

Bill No. 15: Plumbing and Drainage

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SECTION NO. 2: BUILDING WORKS

Bill No. 15: Plumbing and Drainage

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<u>Item No</u>		<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
	<p><u>SECTION NO. 2</u></p> <p><u>BILL No. 17: PAINTWORK</u></p> <p>NOTE: The contractor advised to study the Model Preambles for Trades before pricing this bill</p> <p>NOTE: The contractor is advised to study the Architect's drawings before pricing this bill. In the case of any discrepancies between the bill and the drawings the contractor must notify the Principal Agent.</p> <p><u>Building Locations</u></p> <p>1. Boys 2. Girls 3. Staff 4. Classrooms & Admin 5. External Works 6. Provisional Sums F. Provisional Quantities G. Preliminaries</p> <p><u>Trade Names</u></p> <p>Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. Items, materials or methods of similar quality may be used with prior written approval from the Representative / Agent</p> <p><u>PREPARATORY WORK TO EXISTING WORK</u></p> <p>Previously painted plastered surfaces Surfaces shall be thoroughly washed down and allowed to dry completely before any paint is applied. Blistered or peeling paint shall be completely removed and cracks shall be opened, filled with a suitable filler and finished smooth</p> <p>Previously painted metal surfaces</p> <p>Prepare surfaces by means of wire brushing, sand and approved cleaning agent, primed surfacing of all members of steel palisade panel with zinc chromate primer and apply one univesal undercoat in zinc chromate and two coats enamel paint, all applied to manufacture's specifications</p> <p style="text-align: right;">Carried to Collection</p> <p><i>SECTION NO. 2: BUILDING WORKS</i> <i>Bill No. 17: Paintwork</i> DBSA-KZN</p>				
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SECTION NO. 2: BUILDING WORKS
Bill No. 17: Paintwork
DBSA-KZN

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<u>Item No</u>		<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
	<u>One coat wood primer and two coats polyurethane velvet enamel paint</u>				
1	On boarded ceilings 1 : 43 2 : 43 3 : 31 4 : 0 5 : 0 6 : 0 F : 0 G : 0	m ²	117		
2	Doors 1 : 28 2 : 42 3 : 32 4 : 0 5 : 0 6 : 0 F : 0 G : 0	m ²	102		
3	On skirtings, rails, etc not exceeding 300 mm girth 1 : 50 2 : 47 3 : 37 4 : 0 5 : 0 6 : 0 F : 0 G : 0	m	135		
Carried to Collection					
<i>SECTION NO. 2: BUILDING WORKS</i>					
<i>Bill No. 17: Paintwork</i>					
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Section No. 2

Bill No. 17

Bill No. 17: Paintwork

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3	Bill No. 3: Concrete, Formwork and Reinforcement	64	
4	Bill No. 4: Masonry	69	
5	Bill No. 5: Waterproofing	72	
6	Bill No. 6: Roof Coverings, etc	73	
7	Bill No. 7: Capentry and Joinery	78	
8	Bill No. 8: Ceilings, Partitions and Access Flooring	81	
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10	Bill No. 10: Ironmongery	87	
11	Bill No. 11: Structural Steel	91	
12	Bill No. 12: Metalwork	94	
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<u>Item No</u>	<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
<u>SECTION NO. 3</u>				
<u>BILL No. 1: Demolition works</u>				
NOTE: The contractor is advised to study the Model Preambles for Trades before pricing this bill				
NOTE: All unit rates must take into account and will be assumed to include all applicable taxes including Value Added Tax Act. No additional claims relating to taxes will be entertained.				
NOTE: The contractor is advised to study the Civil Engineer's drawings before pricing this bill. In the case of any discrepancies between the bill and the drawings the contractor must notify the Principal Agent.				
<u>DEMOLITIONS</u>				
<u>View site</u>				
Before submitting his tender the tenderer shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials contained in the buildings or portions of the buildings to be demolished. No claim for any variations of the contract sum in respect of the nature and extent of the work or of inferior or damaged materials will be entertained				
<u>Explosives</u>				
No explosives whatsoever may be used for demolition purposes unless otherwise stated				
<u>General</u>				
Water supply pipes and other piping in ground that may be encountered and found necessary to disconnect or cut, shall be effectually stopped off or grubbed up and removed, and any new connections that may be necessary shall be made with proper fittings to the satisfaction of the principal agent				
Unless otherwise described all materials are to become the property of the contractor and are to be removed from the site				
Carried to Collection			R	
<i>SECTION NO. 3: EXTERNAL WORKS</i>				
<i>Bill No. 1: Demolition works</i>				
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Section No. 3

Bill No. 1

Bill No. 1: Demolition works

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SECTION NO. 3: EXTERNAL WORKS

Bill No. 1: Demolition works

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<u>Item No</u>		<u>Quantity</u>	<u>Unit</u>	<u>Rate</u>	<u>Amount</u>
	<u>BILL No. 2: ROADWORK, PARKING AND PAVING</u>				
	<u>SITE CLEARANCE ETC</u>				
1	Stripping average 100mm thick layer of top soil and stockpiling on site	106	m2		
	<u>Compaction of surfaces</u>				
2	Compaction of ground surface under floors etc	106	m2		
	<u>REINFORCED CONCRETE CAST AGAINST SURFACES</u>				
	<u>25MPa/19mm Concrete</u>				
3	Walkways	11	m3		
	<u>TEST BLOCKS</u>				
4	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	9	No		
	<u>CONCRETE SUNDRIES</u>				
	<u>Finishing top surfaces of concrete smooth with a wood float</u>				
5	Surface beds, slabs, etc to falls	106	m2		
	<u>ROUGH FORMWORK (DEGREE OF ACCURACY III)</u>				
	<u>Rough formwork to sides</u>				
6	Edges, risers, ends and reveals not exceeding 300mm high or wide	211	m		
	<u>REINFORCEMENT</u>				
	<u>Fabric reinforcement</u>				
7	Type193 fabric reinforcement in concrete surface beds, slabs, etc	106	m2		
	Carried Forward to Summary of Section 3				R
	SECTION NO. 3: EXTERNAL WORKS				
	Bill No. 2: Roadwork, Paving, etc				
	DBSA-KZN				

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Refurbishment of VIP Ablutions, Classrooms & External Works
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<u>Item No</u>		<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
	<u>SECTION NO. 7</u>			
	<u>BILL No. 1: PROVISIONAL SUMS & BUDGETARY ALLOWANCES</u>			
	<u>Electrical Installation</u>			
1	Allow the Provisional Amount of R 350 000.00 (Three hundred and Fifty Thousand Rand) Electrical Connection	Item		350 000.00
2	Add for profit	Item		
3	Add for attendance	Item		
	<u>Community Liaison Officer</u>			
4	Allow the Provisional Amount of R100 000.00 (One Hundred Thousand Rand) for the community liaison officer	Item		100 000.00
5	Add for profit	Item		
	<u>Desludging</u>			
6	Allow the Provisional Amount of R 50 000.00 (Fifty Thousand Rand) Desludging Toilets.	Item		50 000.00
7	Add for profit	Item		
	Carried to Final Summary			
	SECTION NO. 4: PROVISIONAL SUMS & BUDGETARY ALL			
	Bill No. 1: Provisional Amounts			
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