

Njemla Junior Secondary School

SECTION	BILL	PAGE NO	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1	1	1		SECTION.1				
1	1	1		BILL NO.1				
1	1	1						
1	1	1		BUILDING AGREEMENT AND PRELIMINARIES				
				THE PRELIMINARIES AMOUNTS SHALL BE PAID IN TERMS OF OPTION A AND THE CONTRACTOR SHALL NOT HAVE THE RIGHT TO SELECT OPTION B				
1	1	1						
				The JBCC Principal Building Agreement (Edition 6.2 - May 2018) prepared by the Joint Building Contracts Committee shall be the applicable building agreement, amended as hereinafter described				
1	1	1		The JBCC Principal Building Agreement contract data form an integral part of this agreement				
1	1	1		The JBCC General Preliminaries (May 2018) published by the Joint Building Contracts Committee for use with the JBCC Principal Building Agreement (Edition 6.2 - May 2018) shall be deemed to be incorporated in these bills of quantities, amended as hereinafter described				
1	1	1						
1	1	1		The contractor is deemed to have referred to the abovementioned documents for the full intent and meaning of each clause				
1	1	1		The clauses in the abovementioned documents are hereinafter referred to by clause number and heading only				
1	1	1		Where any item is not relevant to this agreement such item is marked N/A signifying "not applicable"				
				Where standard clauses or alternatives are not entirely applicable to this agreement such amendments, modifications, corrections or supplements as will apply are given under each relevant clause heading and such amendments, modifications, corrections or supplements shall take precedence notwithstanding anything to the contrary contained in the abovementioned documents				
1	1	2						
1	1	2		PREAMBLES FOR TRADES				
1	1	2		User note				
				The General Preambles for Trades 2017 published by the Association of South African Quantity Surveyors is designed to support and extend the abbreviated descriptions utilised in these bills of quantities by inter alia referring to SANS construction standards. Where such preambles are not applicable (eg where BS or Euro construction standards are applicable or the design consultants provide other preambles/specifications for insertion), users are to ensure that the abbreviated descriptions when read in conjunction with the Standard System of Measuring Building Work (seventh edition) for works within South Africa or the Standard Method of Measuring Building Work for Africa 2015 (first edition) for works elsewhere in Africa, represent the full description by extending the abbreviated bills of quantities descriptions and/or by inserting appropriate preambles or specifications				
1	1	2						
1	1	2		Note that the text of the Standard System of Measuring Building Work (seventh edition) and that of the Standard Method of Measuring Building Work for Africa 2015 (first edition) is the same				
1	1	2		The latest version of the General Preambles for Trades should be referred to should the General Preambles for Trades 2017 be revised in future				
1	1	2		The General Preambles for Trades 2017 published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these bills of quantities and no claims arising from brevity of description of items fully described in the said General Preambles will be entertained				
1	1	3		Supplementary preambles and/or specifications are incorporated in these bills of quantities to satisfy the requirements of this project. Such supplementary preambles and/or specifications shall take precedence over the provisions of the General Preambles				
1	1	3		The contractor's prices for all items throughout these bills of quantities shall take account of and include where applicable for all of the obligations, requirements and specifications given in the General Preambles and in any supplementary preambles and/or specifications				
1	1	3		STRUCTURE OF THIS PRELIMINARIES BILL				
1	1	3		Section A : A recital of the headings of the individual clauses in the aforementioned JBCC Principal Building Agreement				

1	1	3	Section B : A recital of the headings of the individual clauses in the aforementioned JBCC General Preliminaries		
1	1	3	Section C : Any special clauses to meet the particular circumstances of the project		
1	1	3	PRICING OF PRELIMINARIES		
			Should the contractor select Option A in the contract data for the adjustment of preliminaries, the amounts entered against the relevant items in these preliminaries are to be divided into one or more of the three categories provided namely fixed (F), value related (V) and time related (T)		
1	1	3	SECTION A: PRINCIPAL BUILDING AGREEMENT		
1	1	3	Interpretation (A1-A7)		
1	1	3	1 Clause 1.0 - Definitions and interpretation		
1	1	3	Pricing of bills of quantities		
			The contractor is to allow opposite each item for all costs in connection therewith. All prices to include, unless otherwise stated, for all materials, fabrication, conveyance and delivery, unloading, storing, unpacking, hoisting, labour, setting, fitting and fixing in position, cutting and waste (except where to be measured in accordance with the standard system of measurement), patterns, models and templates, plant, temporary works, returning of packaging, duties, taxes (other than Value Added Tax), imposts, establishment charges, overheads, profit and all other obligations arising out of this agreement. Value Added Tax (VAT) is to be separately stated on the summary page of these bills of quantities		
1	1	4	Items left unpriced will be deemed to be covered in prices against other items throughout these bills of quantities and no claim for any extras arising out of the contractor's omission to price any item will be entertained		
1	1	4	Prices for all construction equipment, temporary works, services and other items shall include for the supply, maintenance, operating cost and subsequent removal and making good as necessary		
1	1	4	Abbreviated descriptions		
			The items in these bills of quantities utilise abbreviated descriptions. It is the intention that the abbreviated descriptions be fully described when read with the applicable measuring system and the relevant preambles and/or specifications. However, should the full intent and meaning of any description not be clear, the contractor shall, before submission of his tender, call for a written directive from the principal agent, failing which it shall be assumed that the contractor has allowed in his pricing for materials and workmanship in terms of international best practice		
1	1	4	Legal status of contractor		
1	1	4	If the contractor constitutes a joint venture, consortium or other unincorporated grouping of two or more persons then:		
1	1	5	1. These persons are deemed to be jointly and severally liable to the employer for the performance of this agreement		
1	1	5	2. These persons shall notify the employer of their leader who has assigned authority to bind the contractor and each of these persons		
1	1	5	3. The contractor shall not alter its composition or legal status without the prior written consent of the employer		
1	1	5	F:..... V:..... T:.....	Item	1
1	1	5	2 Clause 2.0 - Law, regulations and notices		
1	1	5	User note		
			Insert the following for residential developments onlyThe cost to the employer of the NHBRC levies mentioned below is to be conveyed to the employer in order to present an overall building cost NHBRC leviesThe employer shall allow for and pay any levies required by the National Home Builders Registration Council (NHBRC). The contractor warrants that he is registered and will maintain registration with the NHBRC for the duration of this agreement [2.1]		
1	1	5	F:..... V:..... T:.....	Item	1
1	1	5	3 Clause 3.0 - Offer and acceptance F:.....	Item	1
1	1	5	4 Clause 4.0 - Cession and assignment F:.....	Item	1
1	1	5	5 Clause 5.0 - Documents		
1	1	6	Value Added Tax		
1	1	6	Provision is made in the summary page of these bills of quantities for the inclusion of Value Added Tax (VAT)		

1	1	6	Priced document as specification Clause 5.4 is deemed to be deleted The principal agent shall decide which portion of the priced document may be used as a specification of materials and goods or methods, if any		
1	1	6	User note		
1	1	6	Insert the following where applicable Electronic issue of drawingsAll drawings for this project will be issued electronically and the contractor shall be deemed to have received such drawings on the date that such drawings have been dispatched electronically [5.6]		
1	1	6	F:..... V:..... T:.....	Item	1
1	1	6	Clause 6.0 - Employer's agents		
1	1	6	User note		
			Delegated authority may be dealt with in B 5.0 of the contract data.		
1	1	6	Insert in the contract data "Refer to Bill No. 1 (Preliminaries)" should it be dealt with in Bill No. 1		
1	1	6	Delegated authority		
			The authority of the principal agent to issue contract instructions [17.1] and perform duties for specific aspects of the works is delegated to agents as follows [6.2]. This does not preclude the principal agent from issuing such contract instructions:		
1	1	6	User note		
1	1	7	Add delegated authority as may be required for other relevant consultants not listed hereinafter		
1	1	7	1. Architect		
1	1	7	User note		
			Insert the following but remove where the consultant is not relevant to this agreement. Edit both the duties and the contract instructions of the consultant in keeping with the wishes of the principal agent		
1	1	7	Note that the contract instructions hereinafter are selected from those listed in clause 17.1 of the JBCC PBA		
			1.1 Duties [6.2] : The architect is responsible for the architectural design, functional design and quality inspection of the works		
1	1	7	1.2 Contract instructions [6.2; 17.1] :		
1	1	7	1.2.1 Rectification of discrepancies, errors in description or quantity or omission of items in the agreement other than in the JBCC Principal Building Agreement		
1	1	7	1.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works		
1	1	7	1.2.3 The site [13.0]		
1	1	7	1.2.4 Compliance with the law, regulations and bylaws [2.1]		
1	1	7	1.2.5 Provision and testing of samples of materials and goods and/or of finishes and assemblies of elements of the works		
1	1	8	1.2.6 Opening up of work for inspection, removal or re-execution [23.2.4; 26.4.2]		
1	1	8	1.2.7 Removal or re-execution of work		
1	1	8	1.2.8 Removal or substitution of any materials and goods		
1	1	8	1.2.9 Protection of the works		
1	1	8	1.2.10 Making good physical loss and repairing damage to the works [23.2.2]		
1	1	8	1.2.11 Rectification of defects [21.2]		
			1.2.12 A list for practical completion specifying outstanding or defective work to be rectified to achieve practical completion, a list for completion and a list for final completion specifying outstanding or defective work to be rectified to achieve final completion		
1	1	8	1.2.13 Expenditure of budgetary allowances, prime cost amounts and provisional sums		
1	1	8	1.2.14 Appointment of a subcontractor [14.0; 15.0]		
1	1	8	1.2.15 Work by direct contractors [16.0]		
			1.2.16 On suspension or termination, protection of the works, removal of construction equipment and surplus materials and goods [29.0]		
1	1	8	2. Quantity surveyor		
1	1	8	User note		
			Insert the following but remove where the consultant is not relevant to this agreement. Edit both the duties and the contract instructions of the consultant in keeping with the wishes of the principal agent		
1	1	8			
			2.1 Duties [6.2] : The quantity surveyor is responsible for all measurements, valuations, financial assessments and all other quantity surveying and cost control functions of the works		
1	1	9			

1	1	9	2.2 Contract instructions [6.2; 17.1] :
1	1	9	2.2.1 No contract instructions delegated to the quantity surveyor
1	1	9	3. Civil and structural engineer
1	1	9	User note
			Insert the following but remove where the consultant is not relevant to this agreement. Edit both the duties and the contract instructions of the consultant in keeping with the wishes of the principal agent
1	1	9	Note that the contract instructions hereinafter are selected from those listed in clause 17.1 of the JBCC PBA
1	1	9	3.1 Duties [6.2] : The civil and structural engineer is responsible for all aspects of civil and structural engineering design and quality inspection of the works
1	1	9	3.2 Contract instructions [6.2; 17.1] :
			3.2.1 1 Rectification of discrepancies, errors in description or quantity or omission of items in the agreement other than in the JBCC Principal Building Agreement
1	1	9	3.2.2 2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works
1	1	9	3.2.3 3 The site [13.0]
1	1	10	3.2.4 4 Compliance with the law, regulations and bylaws [2.1]
			3.2.5 5 Provision and testing of samples of materials and goods and/or of finishes and assemblies of elements of the works
1	1	10	3.2.6 6 Opening up of work for inspection, removal or re-execution [23.2.4; 26.4.2]
1	1	10	3.2.7 7 Removal or re-execution of work
1	1	10	3.2.8 8 Removal or substitution of any materials and goods
1	1	10	3.2.9 9 Protection of the works
1	1	10	3.2.10 10 Making good physical loss and repairing damage to the works [23.2.2]
1	1	10	3.2.11 11 Rectification of defects [21.2]
			3.2.12 12 A list for practical completion specifying outstanding or defective work to be rectified to achieve practical completion, a list for completion and a list for final completion specifying outstanding or defective work to be rectified to achieve final completion
1	1	10	3.2.13 13 Expenditure of budgetary allowances, prime cost amounts and provisional sums
1	1	10	4. Mechanical engineer
1	1	10	User note
			Insert the following but remove where the consultant is not relevant to this agreement. Edit both the duties and the contract instructions of the consultant in keeping with the wishes of the principal agent
1	1	10	Note that the contract instructions hereinafter are selected from those listed in clause 17.1 of the JBCC PBA
			4.1 Duties [6.2] : The mechanical engineer is responsible for all aspects of mechanical engineering design and quality inspection of the works and, where appointed by the employer for quantity surveying services in respect of the mechanical installations, for all measurements, valuations, financial assessments and all other quantity surveying and cost control functions
1	1	11	4.2 Contract instructions [6.2; 17.1] :
1	1	11	4.2.1 1 Rectification of discrepancies, errors in description or quantity or omission of items in the agreement other than in the JBCC Principal Building Agreement
1	1	11	4.2.2 2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works
1	1	11	4.2.3 3 Compliance with the law, regulations and bylaws [2.1]
			4.2.4 4 Provision and testing of samples of materials and goods and/or of finishes and assemblies of elements of the works
1	1	11	4.2.5 5 Opening up of work for inspection, removal or re-execution [23.2.4; 26.4.2]
1	1	11	4.2.6 6 Removal or re-execution of work
1	1	11	4.2.7 7 Removal or substitution of any materials and goods
1	1	11	4.2.8 8 Protection of the works
1	1	11	4.2.9 9 Making good physical loss and repairing damage to the works [23.2.2]
1	1	11	4.2.10 10 Rectification of defects [21.2]
			4.2.11 11 A list for practical completion specifying outstanding or defective work to be rectified to achieve practical completion, a list for completion and a list for final completion specifying outstanding or defective work to be rectified to achieve final completion
1	1	12	

			4.2.12	Expenditure of budgetary allowances, prime cost amounts and provisional sums
1	1	12		
1	1	12		5. Electrical engineer
1	1	12		User note
				Insert the following but remove where the consultant is not relevant to this agreement. Edit both the duties and the contract instructions of the consultant in keeping with the wishes of the principal agent Note that the contract instructions hereinafter are selected from those listed in clause 17.1 of the JBCC PBA
1	1	12		
1	1	12		
				5.1 Duties [6.2] : The electrical engineer is responsible for all aspects of electrical engineering design and quality inspection of the works and, where appointed by the employer for quantity surveying services in respect of the electrical installations, for all measurements, valuations, financial assessments and all other quantity surveying and cost control functions
1	1	12		5.2 Contract instructions [6.2; 17.1] :
1	1	12		5.2.1 Rectification of discrepancies, errors in description or quantity or omission of items in the agreement other than in the JBCC Principal Building Agreement
1	1	12		5.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works
1	1	13		5.2.3 Compliance with the law, regulations and bylaws [2.1]
				5.2.4 Provision and testing of samples of materials and goods and/or of finishes and assemblies of elements of the works
1	1	13		5.2.5 Opening up of work for inspection, removal or re-execution [23.2.4; 26.4.2]
1	1	13		5.2.6 Removal or re-execution of work
1	1	13		5.2.7 Removal or substitution of any materials and goods
1	1	13		5.2.8 Protection of the works
1	1	13		5.2.9 Making good physical loss and repairing damage to the works [23.2.2]
1	1	13		5.2.10 Rectification of defects [21.2]
				5.2.11 A list for practical completion specifying outstanding or defective work to be rectified to achieve practical completion, a list for completion and a list for final completion specifying outstanding or defective work to be rectified to achieve final completion
1	1	13		5.2.12 Expenditure of budgetary allowances, prime cost amounts and provisional sums
1	1	13		6. Wet services engineer
1	1	13		User note
				Insert the following but remove where the consultant is not relevant to this agreement. Edit both the duties and the contract instructions of the consultant in keeping with the wishes of the principal agent Note that the contract instructions hereinafter are selected from those listed in clause 17.1 of the JBCC PBA
1	1	13		
1	1	13		
				6.1 Duties [6.2] : The wet services engineer is responsible for all aspects of wet services engineering design and quality inspection of the works
1	1	14		6.2 Contract instructions [6.2; 17.1] :
1	1	14		6.2.1 Rectification of discrepancies, errors in description or quantity or omission of items in the agreement other than in the JBCC Principal Building Agreement
1	1	14		6.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works
1	1	14		6.2.3 Compliance with the law, regulations and bylaws [2.1]
				6.2.4 Provision and testing of samples of materials and goods and/or of finishes and assemblies of elements of the works
1	1	14		6.2.5 Opening up of work for inspection, removal or re-execution [23.2.4; 26.4.2]
1	1	14		6.2.6 Removal or re-execution of work
1	1	14		6.2.7 Removal or substitution of any materials and goods
1	1	14		6.2.8 Protection of the works
1	1	14		6.2.9 Making good physical loss and repairing damage to the works [23.2.2]
1	1	14		6.2.10 Rectification of defects [21.2]
				6.2.11 A list for practical completion specifying outstanding or defective work to be rectified to achieve practical completion, a list for completion and a list for final completion specifying outstanding or defective work to be rectified to achieve final completion
1	1	15		6.2.12 Expenditure of budgetary allowances, prime cost amounts and provisional sums
1	1	15		7. Fire consultant
1	1	15		

1	1	15	User note		
			Insert the following but remove where the consultant is not relevant to this agreement. Edit both the duties and the contract instructions of the consultant in keeping with the wishes of the principal agent		
1	1	15	Note that the contract instructions hereinafter are selected from those listed in clause 17.1 of the JBCC PBA		
1	1	15	7.1 Duties [6.2] : The fire consultant is responsible for all aspects of rational fire design and quality inspection of the works		
1	1	15	7.2 Contract instructions [6.2; 17.1] :		
			7.2.1 Rectification of discrepancies, errors in description or quantity or omission of items in the agreement other than in the JBCC Principal Building Agreement		
1	1	15	7.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works		
1	1	15	7.2.3 Compliance with the law, regulations and bylaws [2.1]		
			7.2.4 Provision and testing of samples of materials and goods and/or of finishes and assemblies of elements of the works		
1	1	15	7.2.5 Opening up of work for inspection, removal or re-execution [23.2.4; 26.4.2]		
1	1	16	7.2.6 Removal or re-execution of work		
1	1	16	7.2.7 Removal or substitution of any materials and goods		
1	1	16	7.2.8 Protection of the works		
			7.2.9 Making good physical loss and repairing damage to the works [23.2.2]		
1	1	16	7.2.10 Rectification of defects [21.2]		
			7.2.11 A list for practical completion specifying outstanding or defective work to be rectified to achieve practical completion, a list for completion and a list for final completion specifying outstanding or defective work to be rectified to achieve final completion		
1	1	16	7.2.12 Expenditure of budgetary allowances, prime cost amounts and provisional sums		
1	1	16	8. Health and safety consultant		
1	1	16	User note		
			Insert the following but remove where the consultant is not relevant to this agreement. Edit both the duties and the contract instructions of the consultant in keeping with the wishes of the principal agent		
1	1	16	8.1 Duties [6.2] : The health and safety consultant is responsible for all aspects of health and safety of the works. Without derogating from the generality thereof, the health and safety consultant will perform the following specific functions and duties in respect of the health and safety aspects of the works. He shall:		
1	1	16	8.1.1 Act as the employer's agent in terms of the Construction Regulations issued in terms of the Occupational Health and Safety Act, 1993 as amended		
1	1	17	8.1.2 Prepare and update the health and safety specification for the works		
1	1	17	8.1.3 Agree with the contractor the health and safety plan for the works		
1	1	17	8.1.4 Carry out regular audits to ensure adherence to the safety plan and compliance with the act and regulations		
1	1	17	8.1.5 Stop the execution of the works where the agreed specification or plan is not adhered to		
1	1	17	F:..... V:..... T:.....	Item	1
1	1	17	Clause 7.0 - Design responsibility F:.....		
1	1	17	V:..... T:.....	Item	1
			Insurances and securities (A8-A11)		
1	1	17	Clause 8.0 - Works risk F:..... V:.....		
1	1	17	T:.....	Item	1
			Clause 9.0 - Indemnities F:..... V:.....		
1	1	17	T:.....	Item	1
			Clause 10.0 - Insurances F:147 530.15.....		
1	1	17	V:..... T:.....	Item	1
1	1	17	Clause 11.0 - Securities		
1	1	18	User note		
			If it is deemed advisable, the extent of any guarantee for payment may be stated and whether it is required of the contractor to waive his lien. Edit the following clause:		
1	1	18	Guarantee for payment		

				The employer shall provide to the contractor a guarantee for payment in the amount ofRand (R.....) [11.5.1]. The contractor shall consequently waive his lien or right of continuing possession of the works [11.10]		
1	1	18		User note		
1	1	18		Where it is expected of the contractor to waive his lien in terms of clause 11.10, the waiver of lien may be extended to subcontracts as follows:		
1	1	18		Extension of waiver of lien		
				The contractor shall ensure that a waiver of lien is included in all subcontracts and that the works executed on the site are kept free of all liens and other encumbrances at all times [11.10]		
1	1	18		F:..... V:..... T:.....	Item	1
1	1	18		Execution (A12 - A17)		
1	1	18	12	Clause 12.0 - Obligations of the parties		
				Office accommodation The contractor shall provide, maintain and remove on practical completion air conditioned office accommodation with suitable tables and chairs for meetings to be held on the site. Such offices shall be kept clean and fit for use at all times [12.2.18]		
1	1	18				
				Notice board The contractor shall erect in a position approved by the principal agent, maintain and remove on practical completion a notice board recommended by the South African Institute of Architects and as approved by the principal agent listing the names and logos of the employer, the contractor and the professional consultants. No subcontractor or supplier notice boards may be erected unless permission is granted by the principal agent for such notice boards to be erected [12.2.18]		
1	1	19		Statutory and other notices		
1	1	19		The contractor shall submit and/or comply with all statutory and other notices that may be required by any local or other authority in order not to cause any delay to the commencement of the works by the contractor. The contractor shall pay all deposits or fees in this regard		
1	1	19		It is, however, specifically recorded that the employer shall be responsible for the timeous approval of building plans by any local or other authorities and the payment of any fees or charges related thereto		
1	1	19		F:..... V:..... T:.....	Item	1
1	1	19	13	Clause 13.0 - Setting out F:..... V:.....		
1	1	19	14	T:.....	Item	1
1	1	19		Clause 14.0 - Nominated subcontractors		
1	1	19		F:..... V:..... T:.....	Item	1
1	1	19	15	Clause 15.0 - Selected subcontractors		
1	1	19		F:..... V:..... T:.....	Item	1
1	1	20	16	Clause 16.0 - Direct contractors Attendance on direct contractors In respect of direct contractors the contractor shall:		
				1. Designate an area for the direct contractor to establish a temporary office and workshop and storage of equipment and materials		
1	1	20		2. Allow the use of personnel welfare facilities, where provided		
1	1	20		3. Provide water, lighting and single phase electric power to a position within 50m of the place where the direct contract work is to be carried out, other than fuel or power for commissioning of any installation		
1	1	20		4. Permit the direct contractor to use erected scaffolding, hoisting facilities, etc provided by the contractor, in common with others having the like right, while it remains erected on the site [16.1]		
1	1	20		F:..... V:..... T:.....	Item	1
1	1	20	17	Clause 17.0 - Contract instructions Site instructions Instructions issued on site are to be recorded in a site instruction book which is to be supplied and maintained on site by the contractor		
1	1	20		F:..... V:..... T:.....	Item	1
1	1	20		Completion (A18 - A24)		
1	1	20	18	Clause 18.0 - Interim completion		
1	1	20	19	Clause 19.0 - Practical completion F:.....		
				V:..... T:.....	Item	1

1	1	21	20	Clause 20.0 - Completion in sections		
1	1	21		F:..... V:..... T:.....	Item	1
1	1	21	21	Clause 21.0 - Defects liability period and final completion		
1	1	21		F:..... V:..... T:.....	Item	1
1	1	21	22	Clause 22.0 - Latent defects liability period F:..... V:..... T:.....	Item	1
1	1	21	23	Clause 23.0 - Revision of the date for practical completion Substitution of materials and goods The removal or substitution of any materials and goods which do not conform to the specification or the contract drawings shall not constitute grounds for the extension of the construction period nor for the adjustment of the contract value [17.1.8; 23.1 & 2]		
1	1	21		F:..... V:..... T:.....	Item	1
1	1	21	24	Clause 24.0 - Penalty for late or non-completion F:..... V:..... T:.....	Item	1
1	1	21		Payment (A25 - A27)		
1	1	21	25	Clause 25.0 - Payment		
1	1	22		Prices submitted Where prices are submitted by the contractor or subcontractor during the progress of the works in respect of contract instructions or in regard to a claim under the terms of this agreement and notwithstanding the fact that such prices may be used in an interim payment certificate, there is to be no presumption of acceptance. Should the principal agent wish to accept any such prices prior to the issue of the certificate of final completion, it shall be in writing		
1	1	22		F:..... V:..... T:.....	Item	1
1	1	22	26	Clause 26.0 - Adjustment of the contract value and final account Fluctuations in costs All fluctuations in costs, with the exception of fluctuations in the rate of Value Added Tax, shall be for the account of the contractor [26.9.5]		
1	1	22		User note		
1	1	22		Insert the following or similar clause where tenant installation/user requirements may be delayed or omitted		
1	1	22		Tenant installation/user requirements delayed There is a possibility that certain works related to tenant installation/user requirements may have to be delayed and may consequently not be executed prior to practical completion		
1	1	22		Should the contractor be instructed to do so he shall execute this work under the conditions pertaining to this agreement on the basis that a separate amount for preliminaries appurtenant to this work (if applicable) is agreed to between the contractor and the principal agent and on condition that instruction to proceed with such work is given to him within a period of three (3) calendar months after the date of practical completion of the works		
1	1	23		The employer reserves the right to omit such work without compensation to the contractor for loss of profit or any other loss which the contractor may suffer as a result of such omission		
1	1	23		Cost of claims All costs incurred by the contractor in the preparation of claims shall be borne by the contractor. This provision shall not preclude an adjudicator or an arbitrator appointed in terms of this agreement [30.6 & 7] from making a determination on costs	CONT	000
1	1	23		Claims from subcontractors The contractor shall review, assess and adjudicate any claims received by him from any subcontractor and thereafter submit same to the principal agent with a recommendation in order to assist the principal agent in adjudicating the claim [26.6]		
1	1	23		F:..... V:..... T:.....	Item	1
1	1	23	27	Clause 27.0 - Recovery of expense and/or loss F:..... V:..... T:.....	Item	1
1	1	23	28	Suspension and termination (A28 - A29) Clause 28.0 - Suspension by the contractor		
1	1	23	29	F:..... V:..... T:..... Clause 29.0 - Termination	Item	1
1	1	23		F:..... V:..... T:.....	Item	1

1	1	24		Dispute resolution (A30) Clause 30.0 - Dispute resolution F:.....		
1	1	24	30	V:..... T:.....	Item	1
1	1	24	31	Agreement		
				The required information of the parties and the amount of the contract sum shall be inserted in the agreement for signature of the agreement by the parties F:..... V:.....		
1	1	24		T:.....	Item	1
1	1	24	32	Contract data		
1	1	24		User note		
				Insert under the above heading, with suitable sub-headings, any amendments, modifications, corrections or supplements to the contract data		
1	1	24		Tenderer's selections		
1	1	24		Before submission of his tender the contractor is to complete the tenderer's selections in the contract data		
				User note All information for the above requires consultation with the contractor. The principal agent should not pre-select any of the alternatives available to the contractor		
1	1	24				
1	1	24		F:..... V:..... T:.....	Item	1
1	1	24		SECTION B: GENERAL PRELIMINARIES		
				User note Amendments, modifications, corrections or supplements to the General Preliminaries in Section B should be recorded in the contract data		
1	1	24				
				Should it be necessary to expand on any of the General Preliminaries clauses, the user should list the appropriate General Preliminary clause number and heading and insert the relevant provision under a suitable heading in bold as may be necessary		
1	1	25		Definitions and interpretation (B1)		
1	1	25		Clause 1.1 - Definitions F:..... V:.....		
1	1	25	33	T:.....	Item	1
				Clause 1.2 - Interpretation F:..... V:.....		
1	1	25	34	T:.....	Item	1
1	1	25		Documents (B2)		
				Clause 2.1 - Checking of documents F:.....		
1	1	25	35	V:..... T:.....	Item	1
1	1	25	36	Clause 2.2 - Provisional bills of quantities		
1	1	25		User note		
				Check "wet trades" included in the bills of quantities and edit the following clause as may be necessary		
1	1	25				
				Multiple procurementThese bills of quantities are in multiple procurement format ie the "wet trades" - earthworks, concrete, formwork and reinforcement, precast concrete, masonry, waterproofing and sub-surface drainage - are provisionally (fully) measured and the subsequent trades are budgetary allowances and/or provisional sums F:..... V:.....		
1	1	25		T:.....	Item	1
1	1	25	37	Clause 2.3 - Availability of construction information		
				F:..... V:..... T:.....	Item	1
				Clause 2.4 - Ordering of materials and goods F:.....		
1	1	26	38	V:..... T:.....	Item	1
1	1	26		Previous work and adjoining properties (B3)		
				Clause 3.1 - Previous work - dimensional accuracy		
1	1	26	39	F:..... V:..... T:.....	Item	1
				Clause 3.2 - Previous work - defects F:.....		
1	1	26	40	V:..... T:.....	Item	1
				Clause 3.3 - Inspection of adjoining properties F:.....		
1	1	26	41	V:..... T:.....	Item	1
1	1	26		The site (B4)		
				Clause 4.1 - Handover of site in stages F:.....		
1	1	26	42	V:..... T:.....	Item	1
1	1	26	43	Clause 4.2 - Enclosure of the works	Item	1
1	1	26		User note		
				Describe any specific hoarding requirements, other than already described in clause 4.2 or in the contract data		
1	1	26				
				F:..... V:..... T:.....		
				Clause 4.3 - Geotechnical and other investigations		
1	1	26	44	F:..... V:..... T:.....	Item	1
				Clause 4.4 - Encroachments F:..... V:.....		
1	1	27	45	T:.....	Item	1

1	1	27	46	Clause 4.5 - Existing premises occupied F:..... V:..... T:.....	Item	1
1	1	27	47	Clause 4.6 - Services - known F:..... V:..... T:.....	Item	1
1	1	27		Management of contract (B5)		
1	1	27	48	Clause 5.1 - Management of the worksF:..... V:..... T:..	Item	1
1	1	27	49	Clause 5.2 - Progress meetings F:..... V:..... T:.....	Item	1
1	1	27	50	Clause 5.3 - Technical meetings F:..... V:..... T:.....	Item	1
1	1	27		Samples, shop drawings and manufacturer's instructions (B6)		
1	1	27	51	Clause 6.1 - Samples of materials F:..... V:..... T:.....	Item	1
1	1	27	52	Clause 6.2 - Workmanship samples F:..... V:..... T:.....	Item	1
1	1	28	53	Clause 6.3 - Shop drawings F:..... V:..... T:.....	Item	1
1	1	28	54	Clause 6.4 - Compliance with manufacturer's instructions F:..... V:..... T:.....	Item	1
1	1	28		Deposits and fees (B7)		
1	1	28	55	Clause 7.1 - Deposits and fees F:..... V:..... T:.....	Item	1
1	1	28		Temporary services (B8)		
1	1	28	56	Clause 8.1 - Water F:..... V:..... T: R 18 000.....	Item	1
1	1	28	57	Clause 8.2 - Electricity F:..... V:..... T:. R205 000.00	Item	1
1	1	28	58	Clause 8.3 - Ablution and welfare facilities F:..... V:..... T: R89 500.....	Item	1
1	1	28	59	Clause 8.4 - Communication facilities F:..... V:..... T:R 108 000.....	Item	1
1	1	28	60	Prime cost amounts (B9)		
1	1	28		Clause 9.1 - Responsibility for prime cost amounts		
1	1	29		User note		

1	1	29		Where details of materials included in prime cost amounts are not readily available and it is therefore not possible for the contractor to price for waste, the relevant prime cost amount shall be inserted in the bills of quantities as a lump sum with the contractor being given the opportunity to separately price his overheads and profit and for taking delivery, etc as called for in this clause 9.1 of the preliminaries. In such case the fixing only or installation only of the relevant materials shall be provisionally measured for the contractor to price and shall be re-measured upon completion		
1	1	29		Where details of materials for which prime cost amounts are to be allowed are readily available, the quantity surveyor may elect to insert the relevant prime cost amounts in measured items, which measured items shall contain sufficient detail for the contractor to price for fixing and installation, waste, etc F:..... V:..... T:.....	Item	1
1	1	29		Attendance on subcontractors (B10)		
1	1	29	61	Clause 10.1 - General attendance User note General attendance is defined as being the duties of the contractor in terms of clause 12.2 of the JBCC n/s subcontract agreement F:..... V:..... T:.....	Item	1
1	1	29	62	Clause 10.2 - Special attendance		
1	1	29		User note		
1	1	29		Insert details after the provisional sums (nominated or selected subcontract amounts) for any special attendance where specifically required for each n/s subcontractor separately		

				It is important to note that general attendance only requires the contractor to "permit the subcontractor to use erected scaffolding, hoisting facilities, etc provided by the contractor, in common with others having the like right while it remains erected on the site" (refer to 12.2.13 of the JBCC n/s subcontract agreement). Many n/s subcontractors qualify their tenders to exclude scaffolding and/or hoisting facilities. Especially scaffolding could be an expensive item and it may be necessary in order to avoid claims to require the contractor to provide for the extended use of scaffolding for specific subcontracts within a description of "special attendance" in the applicable bill F:..... V:.....		
1	1	30		T:.....	Item	1
1	1	30		General (B11)		
1	1	30	63	Clause 11.1 - Protection of the works F:..... V:..... T:.....	Item	1
1	1	30	64	Clause 11.2 - Protection/isolation of existing works and works occupied in sections F:..... V:..... T:.....	Item	1
1	1	30	65	Clause 11.3 - Security of the works F:..... V:..... T:.. R288 000.....	Item	1
1	1	30	66	Clause 11.4 - Notice before covering work F:..... V:..... T:.....	Item	1
1	1	30	67	Clause 11.5 - Disturbance		
1	1	30		User note		
1	1	30		The following clause may be used should "disturbance" [11.5] need to be extended		
				Disturbance All work is to be carried out in such a manner as to cause no unacceptable or unreasonable dust, noise, vibrations, nuisance, inconvenience, annoyance and the like to the public, others, other properties and traffic in so far as they exceed the permissible limitations set by government legislation or by the local authority. Any delays, stoppages and the like arising from or in order to comply with the above will not constitute grounds for an adjustment to the construction period or contract value whatsoever F:..... V:..... T:.....		
1	1	31	68	Clause 11.6 - Environmental disturbance	Item	1
1	1	31		Controlling all forms of pollution The contractor shall be responsible for and take all precautions in controlling by whatever means necessary all forms of pollution emanating from the site during the construction period due inter alia to noise, artificial light, wind-blown sand, dust, deposits of mud, etc		
1	1	31		The contractor is to ensure that all roads which border the site and are used by the contractor during the execution of the works are kept clean and free of any dirt or debris caused by the execution of the works		
1	1	31		User note		
1	1	31		Insert the following clause if an environmental management plan (EMP) is available and insert the EMP in an annexure		
1	1	31		Environmental management plan The employer has prepared an environmental management plan (EMP) (refer to Annexure for a copy of the relevant plan). The contractor shall price opposite this item for compliance with all the requirements of such EMP F:..... V:..... T:.....	Item	1
1	1	32	69	Clause 11.7 - Works cleaning and clearing F:..... V:..... T:.....	Item	1
1	1	32	70	Clause 11.8 - Vermin F:..... V:..... T:.....	Item	1
1	1	32	71	Clause 11.9 - Overhand work F:..... V:..... T:.....	Item	1
1	1	32	72	Clause 11.10 - Tenant installations F:..... V:..... T:.....	Item	1
1	1	32	73	Clause 11.11 - Advertising F:..... V:..... T:.....	Item	1
1	1	32		SECTION C: SPECIFIC PRELIMINARIES		
1	1	32		User note		

1	1	32	Users shall avoid inserting in Section C items which may be construed as amending, modifying, correcting or supplementing the provisions of the JBCC Principal Building Agreement. Such amendments, modifications, corrections or supplements should be kept to the absolute minimum and should be inserted in Section A under the recited clause headings of the JBCC Principal Building Agreement in this Bill No. 1	
1	1	32	Selected examples of typical clauses are provided to indicate ways of describing such clauses. Users must delete, adapt or add to these examples to suit their particular circumstances	
1	1	33	74	Warranties for materials and workmanship Where warranties for materials and/or workmanship are called for, the contractor shall obtain a written warranty, addressed to the employer, from the entity supplying the materials and/or executing the work and shall deliver same to the principal agent on final completion of the contract
1	1	33	The warranty shall state that workmanship, materials and installation are warranted for a specific period from the date of practical completion and that any defects that may arise during the specified period shall be made good at the expense of the entity supplying the materials and/or doing the work, upon written notice to do so	
1	1	33	The warranty will not be enforced if the work is damaged by defects in the execution of the works, in which case the responsibility for replacement shall rest entirely with the contractor F:..... V:..... T:.....	
1	1	33	75	Overtime Should overtime be required to be worked for any reason whatsoever, the cost of such overtime is to be borne by the contractor unless the principal agent has specifically authorised, prior to execution thereof, that costs for such overtime are to be borne by the employer F:..... V:.....T:.....
1	1	33	76	Cooperation of the contractor for cost management It is specifically agreed that the contractor accepts the obligation of assisting the principal agent in implementing proper cost management. The contractor will be advised by the principal agent of all cost management procedures which will be implemented to ensure that the contract value does not exceed the budget F:..... V:.....T:.....
1	1	34	77	Overloading The contractor shall take all necessary steps to ensure that no damage occurs due to overloading of any portion of the works or temporary works eg scaffolding, etc. The contractor shall submit details of his proposed loading, storage, plant erection, etc to the principal agent for approval prior to proceeding with such loading, storing or erecting and shall comply with and pay for the principal agent's requirements in connection with the provision of temporary support work, etc. Any damage caused to the works by overloading shall be made good by the contractor at his sole expense F:..... V:.....T:.....
1	1	34	78	Propping of floors below The contractor is advised that propping of floors below may be required if he wishes to use any areas of completed suspended reinforced concrete slabs for vehicle access, storage of materials and goods and location of plant, scaffolding, etc. The location of these areas and any necessary propping shall be approved by the principal agent and the cost thereof shall be borne by the contractor F:..... V:.....T:.....
1	1	34	79	Testing of flat roof waterproofing for watertightness Flat roof waterproof areas shall be flooded and kept "ponded" for at least forty eight (48) hours as a test to ensure the watertightness of the waterproofing and before any further construction work is carried out above the waterproofing F:..... V:.....T:.....
1	1	35	User note Insert the following where a health and safety specification is not yet available. Note that there is an obligation on the employer to ensure that the contractor has priced opposite this item for the compliance with the act and the regulations and the reasonable provisions of the health and safety specification	
1	1	35	80	Health and safety

				Without limiting the generality of the provisions of clause 2.0, the contractor's attention is drawn to the provisions of the Construction Regulations issued in terms of the Occupational Health and Safety Act, 1993 as amended. It is specifically stated that the employer shall prepare a documented health and safety specification for the works and that the employer shall ensure that the contractor has made provision for the cost of health and safety measures during the execution of the works. The contractor shall price opposite this item for compliance with the act and the regulations and the reasonable provisions of the aforementioned health and safety specification [2.1]		
1	1	35				
				User note Insert the following where a health and safety specification is available. Note that there is an obligation on the employer to ensure that the contractor has priced opposite this item for the compliance with the act and the regulations and the reasonable provisions of the health and safety specification		
1	1	35				
				Health and safety Without limiting the generality of the provisions of clause 2.0, the contractor's attention is drawn to the provisions of the Construction Regulations issued in terms of the Occupational Health and Safety Act, 1993 as amended. It is specifically stated that the employer shall prepare a documented health and safety specification for the works (refer to Annexure ? for a copy of the relevant specification) and that the employer shall ensure that the contractor has made provision for the cost of health and safety measures during the execution of the works. The contractor shall price opposite this item for compliance with the act and the regulations and the provisions of the aforementioned health and safety specification [2.1]		
1	1	36		The contractor shall: 1. Comply with the health and safety specification for the works 2. Prepare and agree with the health and safety consultant the health and safety plan for the works 3. Cooperate with the health and safety consultant in all respects 4. Manage the compliance of all subcontractors with the regulations and with the health and safety plan and specification 5. Conform to the conditions contained in the employer's health and safety specification		
1	1	36				
1	1	36		F:..... V:..... T:.....	Item	1
				Green star building certification User note Insert the provisions called for by the relevant green star consultant should it be a requirement that the project be submitted for green star certification		
1	1	36	81	F:..... V:..... T:.....	Item	1
				Broad based black economic empowerment (BBBEE) Tenders submitted will be evaluated taking into account their empowerment rating The employer will be monitoring the broad based black economic empowerment (BBBEE) status of the contractor throughout the execution of the works		
1	1	37	82		CONT	00
				The contractor is to submit to the principal agent on an annual basis a schedule of spend, split into vendors engaged as subcontractors and suppliers indicating their BBBEE rating including proof of the said rating F:..... V:.....T:.....		
1	1	37			Item	1
				Advertising rights The employer may elect to contract with advertising agencies for the erection of advertising hoardings, banners, wraps or the like for the duration of the contract. The contractor shall not prevent such an arrangement and will assist in the facilitation of same. The position and type of advertising structure to be agreed with the principal agent so as not to hinder the contractor in meeting his obligations under this agreement		
1	1	37	83	F:..... V:.....T:.....	Item	1
				Confidentiality The contractor undertakes to maintain in confidence any and all information regarding this project and shall obtain appropriate similar undertakings from all subcontractors and suppliers. Such information shall not be used in any way except in connection with the execution of the works No information regarding this project shall be published or disclosed without the prior written consent of the employer F:.....		
1	1	37	84	V:.....T:.....	Item	1

				Media releases All rights of publication of articles in the media, together with any advertising relating thereto or in any way connected with this project, shall vest with the employer The contractor together with his subcontractors shall not, without the prior written consent of the employer, cause any statement or advertisement connected with this project to be printed, screened or aired by the media F:.....		
1	1	38	85	V:.....T:.....	Item	1
1	1	38		SUMMARY OF CATEGORIES		
				Category : Fixed R..... Category : Value		
				R..... Category : Time		
1	1	38		R.....		
2	1	39		SECTION.2		
2	1	39		BILL.1		
2	1	39		MODEL PREAMBLES		
				The tenderer is referred to the "General Preambles for Trades 2017" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates.		
2	1	39		SUPPLEMENTARY PREAMBLES		
				Supplementary preambles and/or specifications are incorporated in these bills of quantities to satisfy the requirements of this project. Such supplementary preambles and/or specifications shall take precedence over the provisions of the General Preambles. The contractor's prices for all items throughout these bills of quantities shall take account of and include where applicable for all of the obligations, requirements and specifications given in the General Preambles and in any supplementary preambles and/or specifications.		
2	1	39				
2	1	39				
				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.		
2	1	39				
				The items in this Bill do not contain quantities hence the Contractor must insert his own quantities based on his individual requirements to comply with the Health and Safety 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. The costs included herein must incorporate Community Liaison Officer (CLO).		
2	1	39				
2	1	40		OCCUPATIONAL HEALTH AND SAFETY		
2	1	40		General:		
2	1	40	1	Preparation of Contractor's site specific Health and Safety Plan.	Item	1
				Principal Contractor's initial obligations in respect of the OHS Act and Construction Regulations.		
2	1	40	2	Provision of full time Health and Safety Officer for the entire construction period (6 Months).	Item	1
2	1	40	3			
2	1	40	4	Provision of first aid boxes.	No	1
				SANS approved weld mesh type temporary barrier fencing 1,8m high covered with a net fixed to and including 100mm diameter gum poles set securely min 300mm deep in ground at max 3m spacing including excavation, backfilling, etc	m	150
2	1	40	5			
2	1	40	6	Extra over mesh fence for pedestrian gate size 1.8 x 1,8m high.	No	1
2	1	40		Provision for Personal Protective Equipment and Protective Clothing:		
2	1	40	7	Reflective vests.	No	30
2	1	40	8	Hard hats.	No	30
2	1	40	9	Protective foot wear.	No	30
2	1	40	10	Ear Plugs.	No	30
2	1	40	11	Dust Masks.	No	200
2	1	40		Costs of Medical Certificates and Medical Surveillance:		
2	1	40	12	Initial (baseline) medical examinations.	No	30
2	1	40	13	Exit Examinations.	No	30
3	1	41		SECTION.3		
3	1	41		BILL No. 1		
3	1	41		MODEL PREAMBLES		
				The Tenderer is referred to the relevant Clauses in the separate Supplementary Preambles hereunder and Department of Public Works PW371 document that can be downloaded from the Department of Public Works documents .		
3	1	41				

				The tenderer is referred to the "General Preambles for Trades 2017" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates.		
3	1	41		DEMOLITIONS		
3	1	41		Demolition of existing works:		
				Carefully take down and remove existing incomplete concrete block building comprising concrete surface bed, 140mm block work including breaking out and removing foundations to a depth of 1000mm (average) below ground level and handover material to the community and including carting away unused material to the suitable municipality registered dumping site.	No	1
3	1	41	1	Carefully take down and remove existing corrugated iron sheeting kitchen / nutrition structure comprising concrete surface bed, 140mm block work including breaking out and removing foundations to a depth of 200mm (average) below ground level and handover material to the community and including carting away unused material to the suitable municipality registered dumping site..	No	1
3	1	41	2	Breaking up and removing existing works:		
3	1	41	3	1000mm wide x 100mm Thick concrete walkways casted in panels including ground preparation.	m	35
4	1	42		PREFABRICATED STRUCTURES		
4	1	42		SECTION.4		
4	1	42		BILL No.1		
4	1	42		Construction Notes:		
				All construction materials are to be SABS or AGREEMENT South Africa Certified'. Prefabricated systems are to be presented to the Principal Agent for approval before construction commences.		
4	1	42		Prefabricated structures to be places on adjustable jacks and concrete pads as per the manufactures specifications.		
				Chassis construction must run the full length and full width of the unit and consist of structurally welded steel chassis with minimum of 2 x 200 x 75 x 20 x 3mm lip channel longitudinal main members running the length of the building at 1640mm centres, 75 x 50 x 20 x 2.5mm lipped channel cross members set at maximum of 600mm centres. Steps and ramps to be supplied where applicable. All structural steel is to be coated with one coat red oxide primer and two coats latex paint. The chassis is to be fixed to the adjustable jack trusses		
4	1	42				
				Floor construction to be constructed from 18mm 7-Ply rotary cut pine bonded under heat and hydraulic pressure with exterior grade adhesive. All floors to have 6mm groove feather join screwed to chassis cross members with 12 x 45mm galvanized wing tex screws.		
4	1	42		Floor finishers to classroom units to be covered with 2.5mm vinyl floor sheeting.		
				External walls to be constructed of 42mm Chromadeck composite laminated polyurethane core panel interlocking system with tongue and groove interlocking joints sealed with an approved silicon sealant including fixing panels mechanically to base rail as per manufactures specifications. External walls to be finished both sides with 0.5mm pre-painted "Frost white" hot dipped galvanised steel rigidised Chromadek sheeting.		
4	1	43				
				Top of external walls to be fixed to the underside of the roof panel with natural anodised extruded aluminium side wallplate fixed to external wall including pop rivets at 150mm centres and 90mm long roof screws at 450mm centers through both panels. (See attached drawing 501- Roof/Wall Assembly Vertical Sections) All corner, edge and ridge capping, etc to be formed from 0.58mm Chromadek including rivets, sealant, etc.		
4	1	43				
				All windows to be powder coated aluminium including necessary ironmongery and burglar proofing to opening sections as per schedule. Windows to be glazed with 6,38mm thick normal strength clear laminated safety glass including gaskets. Ablution windows to be fitted with with obscure or frosted glazing. The perimeter of the frame to the adjacent surface to be sealed with an approved polysulphide sealant. All windows to be the office windows to be fitted with blinds		
4	1	43				

4	1	44	External door frames to be powder coated aluminium fitted with neoprene gaskets. Single external doors to be 0.5mm 44mm Thick framed, ledged, braced and battened stable door, size 813 x 2032mm high, the top leaf comprising 44 x 108mm stiles, top and bottom rails, the bottom leaf comprising 44 x 108mm stiles and top rail and 22 x 215mm bottom rail, both leaves fitted with 22 x 75mm diagonal braces and 44 x 70mm splayed and rebated weatherboards countersunk brass screwed on at maximum 200mm centres and filled with 22mm thick tongued, grooved and V-jointed both sides vertical boarding in narrow matched widths, each door to be fitted with the following :1. Three 100 x 44mm sinkless aluminium butt hinges2. 2209 - 78SS" Euro profile upright cylinder lock case3. 2 x 18 SC satin chrome double cylinder lock mechanism4. Heavy duty satin chrome lever handle on 165 x 50 x 8mm cast backplate with cylinder lockset cutout.5. Splayed and rebated weatherboard fixed to the bottom of the door6. Stainless steel buffered door stop. All doors to be finished with apply, one coat pre treatment one coat pink wood primer, one undercoat and two coats water based eggshell enamel. All lock sets are to be master keyed.
4	1	44	Double pitched roof trusses with a minimum pitch of 15 degrees and a overhang of 200mm both sides. Roof covering to be 0.6mm Galvanized pre-painted corrugated chromadek sheeting with PVC half round eaves gutter and PVC down pipes.
4	1	45	Internal walls to be constructed of 42mm Chromadeck composite laminated polyurethane core panel interlocking system with tongue and groove interlocking joints sealed with an approved silicon sealant including fixing panels mechanically to base rail as per manufactures specifications. Internal walls to be finished both sides with 0.5mm pre-painted "Frost white" hot dipped galvanised steel rigidised Chromadek sheeting. Bottom of internal walls to be fitted with a aluminium base channel with 4 x 9mm rivets at 300mm centres on both sides and fixed to the floor slab with 6 x 50mm masonry anchors at 500mm centres including non-shrink grout. (See attached drawing 502- Internal Wall Base Detail) Top of internal walls to be fixed to the underside of the roof panel with natural anodised extruded aluminium side wallplate fixed to internal wall including pop rivets at 450mm centres and 5.2 x 90mm long roof screws at 1000mm centers through both panels. (See attached drawing 506- Internal Wall - Head Detail Vertical Section) All corner, edge and ridge capping, etc to be formed from 0.58mm Chromadek including rivets, sealant, etc. (See attached drawing 500- corner detail- horizontal section)
4	1	45	All units to be wired to connect to 220volt single phase (connection and supply elsewhere). The electrical installation to be in accordance with SABS 0142-1993 and each unit fitted with a wiring kit consisting of a distribution board, earth leakage , lights , switches, socket outlets and air conditioner isolators. All lights, plugs, geysers, interior and exterior electrical fittings to be insulated in accordance with SABS 0142-1993. Electrical compliance certificate to be issued with each unit.
4	1	45	
4	1	46	Units to be provided with magnetic chalkboards and pinning boards. Units to be provided with stairs and ramps where necessary to access the classrooms.
4	1	46	Main contractor to provide the electrical main supply to the prefabricated units and connect to the pre-wired units.

				The Contractor shall prepare his own shop details. Immediately on receipt of the Architect's drawings, the Contractor shall satisfy himself that the design drawings contain all the information required for the preparation of the shop details. The said shop details and other drawings shall be submitted in duplicate to the Architect for approval at least 1 week before commencement of fabrication. The Contractor's drawings shall be complete in every respect and shall be checked by the Contractor prior to submission. One copy of each drawing will be retained by the Architect and, within 1 week after the date of receipt by the Architect, the other copy will be returned to the Contractor with the Architect comments or written approval, as the case may be. Before the commencement of fabrication, the Contractor shall obtain from the Architect approval of the shop drawings, in writing. The approval given by the Architect relates to structural adequacy and does not absolve the Contractor from the responsibility for dimensional accuracy.		
4	1	46				
4	1	46		PREFABRICATED NEW GRADE R CLASSROOM STRUCTURE		
4	1	46		Grade R Classroom block complete with store room, kitchen and sick bay as per suppliers drawings:		
				Prefabricated Grade "R" Classroom block, Size 80 Square Meters including verandah on reinforced concrete slabs and as per suppliers drawings.		
4	1	46	1		No	1
4	1	46		PREFABRICATED NEW ADMINISTRATION STRUCTURE		
				Administration building complete with strongroom, stock room, sick room, principal office, admin/ general office, waiting area, kitchen, eating area, scullery and store as per suppliers drawings:		
4	1	47		Prefabricated Administration Building Block, Size 35 Square Meters including verandah on reinforced concrete slabs and as per suppliers drawings.		
4	1	47	2		No	1
4	1	47		PREFABRICATED NEW THREE CLASSROOM STRUCTURE		
				Three Classroom Building complete as per suppliers drawings:		
				Prefabricated Three Classroom Building Block, Size 180 Square Meters including verandah on reinforced concrete slabs and as per suppliers drawings.		
4	1	47	3		No	1
				Relocatable Prefabricated Three Classroom Building Block, Size 180 Square Meters on steel jack including verandah as per suppliers drawings.(To be relocated as directed by the client)		
4	1	47	4		No	1
4	1	47		PREFABRICATED NEW TUCKSHOP STRUCTURE		
4	1	47		Tuckshop Building complete as per suppliers drawings:		
				Tuckshop Building Structure, Size 20 Square Meters including verandah on reinforced concrete slabs and as per suppliers drawings.		
4	1	47	5		No	1
4	2	48		PREFABRICATED STRUCTURES		
4	2	48	1			
				Prefabricated Structures		
5	1	49		REPAIRS AND RENOVATIONS TO EXISTING 5 CLASSROOM BLOCK		
5	1	49		SECTION.5		
5	1	49		BILL No.1		
5	1	49		ALTERATIONS (PROVISIONAL)		
				The Tenderer is referred to the relevant Clauses in the separate Supplementary Preambles hereunder and Department of Public Works PW371 document that can be downloaded from the Department of Public Works documents .		
5	1	49		MODEL PREAMBLES		
				The tenderer is referred to the "General Preambles for Trades 2017" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates.		
5	1	49		SUPPLEMENTARY PREAMBLES		
5	1	49		Existing Furniture, Equipment, etc		
				The Contractor shall not remove or damage any furniture, equipment or similar items that belong to the Department except when specifically described in the items to follow: The Contractor must give the Principal Agent sufficient notice if the removal of these items are required before any prescribed alterations can be done		
5	1	49		Damage to existing finishes		
5	1	50				

				The Contractor will be held responsible for all damage however caused to existing finishes and fittings, etc. and he must make good all damage at his own expense to the approval of the Principal Agent. Breaking down, demolition and alteration activities and tasks, hacking off of existing plaster, etc. is to be executed with care so as to prevent damage to remaining floor and wall surfaces and finishes (where these are to be retained). Tenders will be deemed to include allowance for any necessary protection of existing surfaces and structures as may be necessary to effect the above, as the cost of repairing damage to existing surfaces and structures will be solely for the Contractors account		
5	1	50		Responsibility for site		
5	1	50				
				The Contractor is to note that upon possession of the site by himself, and extending until practical completion is achieved, he is solely responsible for the site, site security, general upkeep and cleaning of the site and all other responsibilities in maintaining a construction site in conformance with but not limited to, the Construction Regulations 2014, all local by-laws, all user client regulations, and all Client regulations and procedures. Tenderers are therefore urged to study all available material and to investigate the site fully and areas contiguous to the site, in order to determine the range and extent of responsibility. No additional monetary and/or time claims will be entertained in respect of the above		
5	1	50		REMOVAL OF EXISTING WORK		
5	1	50		Take down and remove roofs, floors, panelling, ceilings, partitions, etc		
5	1	50		Gypsum plasterboard ceiling including cornices, timber banding, etc.	m2	432
5	1	50	1	Corrugated metal roof sheeting including timber rafters, purlins, etc. Size 48.00m x 8.20m on Plan.	m2	700
5	1	51	3	Timber door complete with lockset, size 813 x 2032mm high.	No	8
5	1	51	4	Glazing on steel window frame, including preparation for the new putty.	m2	49
5	1	51	5	Doorstop including preparing to install new.	No	8
5	1	51	6	Steel coated black chalkboard complete with the brackets	No	5
5	1	51	7	Prefabricated timber trusses including timber purlins, etc.	No	49
5	1	51	8	Vinyl floor tiles from screeded floors by blow torch including preparing for new tiles.	m2	368
5	1	51	9	Timber skirting on plastered walls including removal on nails.	m	212
5	1	51	10	Timber picture rail on plastered walls including removal on nails.	m	165
5	1	51	11	Timber pinning board on plastered walls including removal on nails.	No	5
5	1	51	12	15mm Thick natural grey cills in single length bedded in 4:1 sand cement mortar including metal lugs, etc:	No	25
5	1	51	13	75mm Diameter Verander Steel Posts embedded to the concrete and brickwork.	No	18
5	1	51	14	Barge boards and Fascia boards complete with brackets etc.	m	156
5	1	51	15	Laminated timber on Veranders complete with brackets etc.	m	40
5	1	51		Taking down and removing rainwater goods:		
5	1	51	16	Half round eaves gutter and gutter brackets fixed to fascia board rafter ends.	m	100
5	1	51	17	Rainwater downpipes and fittings	m	12
5	1	52		Sundries		
5	1	52	18	Hacking off all loose existing plaster and preparation for the new plaster.	m2	150
5	1	52	19	Hacking off all damaged existing screed and preparation for the new screed.	m2	376
5	1	52	20	Prepare and finish screed in some patches.	m2	16
5	1	52	21	Service window by adjust screws to enable window to remain in open position, including fitting any missing hinges etc.	m2	408
5	1	52	22	Service existing roller shutter door by adjust screws to enable door to close and freely.	No	1
5	1	52		MAKING GOOD OF FINISHES ETC		
5	1	52		Making good face brickwork		
5	1	52	23	Clean down and seal existing external facebrick walls, etc	m2	624
5	2	53		SECTION.5		
5	2	53		BILL No. 2		
5	2	53		MASONRY		
				The Tenderer is referred to the relevant Clauses in the separate Supplementary Preambles hereunder and Department of Public Works PW371 document that can be downloaded from the Department of Public Works documents .		
5	2	53		BRICKWORK IN SUPERSTRUCTURE		
5	2	53				

				Brickwork of NFX bricks (14 MPa nominal compressive strength) in Class I mortar:		
5	2	53				
5	2	53	1	Half brick walls.	m	182
5	2	53	2	One brick walls.	m2	73
5	2	53		BRICKWORK AND BLOCKWORK SUNDRIES		
5	2	53		Galvanized brickwork reinforcement		
5	2	53	3	115mm Wide reinforcement built in horizontally	m	15
5	2	53	4	230mm Wide reinforcement built in horizontally.	m	20
5	2	53		Cramps, ties, etc:		
				30 x 2mm Galvanized roof tie 1500mm long with one end fixed to timber and other built into brickwork or concrete.	No	96
5	2	53		Air bricks etc:		
5	2	53	6	229 x 152mm terracotta clay vermin proof air brick	No	8
5	2	53		FACE BRICKWORK		
				"Face bricks pointed with 6mm square recessed horizontal and vertical joints:		
5	2	54				
5	2	54	7	Extra over brickwork for face brickwork.	m2	47
5	2	54	8	Extra over brickwork for facing beamfilling.	m2	47
5	2	54	9	Fair raking cutting.	m	5
5	2	54		FIBRE CEMENT WINDOW CILLS		
				15mm Thick natural grey cills in single length bedded in 4:1 sand cement mortar including metal lugs, etc:		
5	2	54				
5	2	54	10	140mm Wide cills set flat and slightly projecting.	m	25
5	3	55		SECTION.5		
5	3	55		BILL No. 3		
5	3	55		WATERPROOFING		
				The Tenderer is referred to the relevant Clauses in the separate Supplementary Preambles hereunder and Department of Public Works PW371 document that can be downloaded from the Department of Public Works documents .		
5	3	55				
				The Tenderer is referred to the relevant Clauses in the separate Supplementary Preambles hereunder and Department of Public Works PW371 document that can be downloaded from the Department of Public Works documents .		
5	3	55				
5	3	55		MODEL PREAMBLES		
				The tenderer is referred to the "General Preambles for Trades 2017" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates.		
5	3	55				
5	3	55		JOINT SEALANTS ETC		
5	3	55		Clear Neutral silicone sealant:		
				In joint sealing and pointing all round external window and door frames.	m	49
5	3	55	1			
				Two-part grey polysulphide sealing compound including backing cord, bond breaker, primer, etc		
				10 x 12mm In movement joints in floors or walls including raking out expansion joint filler as necessary (Provisional).	m	49
5	3	55	2			
5	4	56		SECTION.5		
5	4	56		BILL No. 4		
5	4	56		CARPENTRY & JOINERY		
				The Tenderer is referred to the relevant Clauses in the separate Supplementary Preambles hereunder and Department of Public Works PW371 document that can be downloaded from the Department of Public Works documents .		
5	4	56				
5	4	56		MODEL PREAMBLES		
				The tenderer is referred to the "General Preambles for Trades 2017" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates.		
5	4	56				
5	4	56		SUPPLEMENTARY PREAMBLES		
5	4	56		FIXING		
				All nailing of timber roof rafters, purlins, etc shall be done with galvanised nails. In coastal areas, copper, aluminium or stainless steel nails shall be used.		
5	4	56				
5	4	56		CARPENTRY		
5	4	56		Sawn softwood:		
				Trusses for rectangular shaped building, size overall 47.89 x 8.80m on plan (5 Classrooms, Office and Store).	Item	1
5	4	56	1			
5	4	56	2	38 x 114mm Wall plate.	m	98
5	4	56		SKIRTING		
5	4	57		Wrought meranti:		
5	4	57	3	19 x 76mm Skirtings including 19mm quadrant bead, nailed.	m	176
				50mm x 225mm Laminated Timber beam fitted with 10mm diameter bolts and nuts on the galvanized steel Veranders Posts.	m	40
5	4	57	4			
5	4	57		FRAMED FRAMES, ETC		

5	4	57	Meranti Frames bolted to wall with expanding masonry bolts - four per style including quadrant beads on both sides:		
5	4	57	70 x 108mm rebated meranti frame .	m	7
5	4	57	Sundries:		
5	4	57	TRI FIX or equal approved hurricane clip fixed using 10 x 32mm galvanised clout nails (Provisional).	No	200
5	4	57	EAVES, VERGES, ETC		
5	4	57	"Everite Nutec" or equal approved fibre cement		
5	4	57	12 x 225mm Fascia board drilled and brass screwed to rafter feet including galvanised steel H-profile jointing strips, etc.	m	100
5	4	57	85 x 275 x 6mm Barge board drilled and brass screwed to purlin ends including galvanised steel H-profile jointing strips, screws, holes, etc.	m	56
5	4	57	DOORS ETC		
5	4	57	SANS Approved meranti:		
5	4	57	44mm Framed, ledged, and battened single door with flush ply panel internally size 813 x 2032mm high comprising 44 x 110mm top rail and stiles, 44 x 220mm bottom rail, 44 x 150mm lock rail and 22 x 70mm vertical "v" jointed boards (D1).	No	1
5	4	58	44mm Framed, ledged, and battened purpose made single door with flush ply panel internally size 813 x 1832mm high comprising 44 x 110mm stiles, 44 x 220mm bottom rail, 44 x 150mm lock rail and 22 x 70mm vertical "v" jointed boards (D4).	No	6
5	5	59	SECTION.5		
5	5	59	BILL No. 5		
5	5	59	ROOF COVERINGS		
5	5	59	The Tenderer is referred to the relevant Clauses in the separate Supplementary Preambles hereunder and Department of Public Works PW371 document that can be downloaded from the Department of Public Works documents .		
5	5	59	MODEL PREAMBLES		
5	5	59	The tenderer is referred to the "General Preambles for Trades 2017" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates.		
5	5	59	SUPPLEMENTARY PREAMBLES		
5	5	59	Flashings		
5	5	59	Flashings shall be approved by roof sheeting manufacturer and fixed to the sheeting with S10 clips to obviate any direct fixing perforations. Prior to flashings being fixed, all troughs at the apex shall be stop-ended to the full depth of the sheet in order to prevent any penetration of wind driven water. The trough shall be lipped at the eaves end to form a drip. Flashing flanges shall be notched to the sheet profile where necessary. All these operations must be performed with special tools available from the manufacturer. Care shall be taken to ensure that no sheeting or flashing will be cut with abrasive disc on roof surface in order to prevent steel splatter from penetrating colour coated areas. The flashings shall be supplied with a paint finish consisting of a full top coat silicon modified polyester		00
5	5	60	Colour : White to one side	H3	00
5	5	60	Quality Assurance		
5	5	60	The manufacturer shall be assessed and certified as complying with ISO 9001: 2008 Quality Management System		
5	5	60	Guarantee		
5	5	60	Z200 Galvanized Metal or equal approved sheeting shall be laid in strict accordance with manufacturer's specifications by an approved contractor. The employer shall be provided with a ten year written guarantee on materials by the manufacturer.		
5	5	60	Safety		
5	5	60	The contractor shall exercise special care when handling long length sheeting, particularly in windy conditions. Should work be interrupted for any reason, all loose sheeting and incomplete sections must be adequately secured against possible movement by wind and gravity		
5	5	60	Handling and Storage		
5	5	60	The contractor shall ensure that all materials used on site for cladding, etc are transported, handled and stored in accordance with the manufacturer's recommendations. Material damaged shall be rejected and replaced with undamaged material at the contractor's expense. Repair of damaged material will not generally be permitted. Rates are to include for preventing damage and protecting sheets through all stages of construction		
5	5	61	Inspection Prior to Installation or Erection		

			Before commencing with installation, the contractor shall verify that the following items have been checked and accepted: a. The entire structure or the portion thereof to be sheeted has been correctly aligned, levelled and grouted b. Purlins and sheeting rails are at the correct spacing and are within the specified tolerances c. The corners of the roof are square and the wall framework is perpendicular or as specified d. No protrusions such as bolt heads, splice plates, cleats, etc. appear on the face of the framework e. All members to which roofing and cladding are to be fixed in aesthetically sensitive areas are true and square f. Paint and any other materials that may be incompatible with the sheeting, have been painted over or so dealt with that direct contact with the sheeting is avoided g. The contact faces between the purlins or the girts and the cladding are in the same plane. Should the alignment be inadequate, the contractor shall request instructions from the engineer before proceeding with the fixing of the cladding			
5	5	61				
5	5	61	Protrusion through Sheeted Surfaces			
			Protrusions such as pipes, ducts and the like, shall be adequately flashed where they pass through the sheeting surface. Where ribs have to be cut away to permit penetration, additional framing is to be installed as required to support the sheeting. Depending on the position of the penetration through the roof, special attention shall be given to back flashing the sheeting to the ridge or point of water entry. In all cases, all cutting and flashings shall be so arranged that adequate provision is made for the drainage of all troughs and corrugation			
5	5	61				
5	5	62	Cleaning of Roofs, etc			
			All debris, etc arising from the fixing of the cladding shall be removed from the sheetin as the fixing progresses. In addition, off-cuts of insulation, surplus fastners and sealants, mandrels from pop rivets, off-cuts of flashings and sheeting, surplus flashing, food packaging, cartons, bottles, cans, etc shall not be left on the roof or in the gutters. Care shall be taken to ensure that no such material enters, blocks or partially impedes the flow of water into the outlets, downpipes, etc			
5	5	62				
5	5	62	ROOF COVERINGS			
5	5	62	PROFILED METAL SHEETING AND ACCESSORIES			
			0,58mm Thick Z200 "IBR Profile" galvanised metal roof sheeting, in single sheet lengths, with "Chromadek" finish to external face and standard backing coat to internal face :			
5	5	62				
5	5	62	1	Roof sheeting laid to a mono-pitch.	m2	700
			0.58mm Flashings pre-painted to match roof sheeting and fixed in strict accordance with manufacturer's instructions:			
5	5	62				
5	5	62	2	Ridge capping with 225mm lapping secured onto the roof.	m	50
5	5	62	3	Wall Side Flashing with 225mm lapping secured onto the wall.	m	50
5	5	62	ROOF AND WALL INSULATION			
			"Sisalation Grade FR430" or equal approved heavy industrial insulation			
5	5	62				
			Insulation laid taut over roof trusses (at approximately 1 100mm centres) and fixed concurrent with SA Pine purlins at 900mm centres, etc including galvanised steel straining wires			
5	5	62	4		m2	700
5	6	63	SECTION.5			
5	6	63	BILL No. 6			
			The Tenderer is referred to the relevant Clauses in the separate Supplementary Preambles hereunder and Department of Public Works PW371 document that can be downloaded from the Department of Public Works documents .			
5	6	63				
5	6	63	NAILED UP AND SCREW UP CEILINGS			
			4mm Fibre-cement plain ceiling boards with H-profile galvanised steel jointing strips:			
			Ceilings including 50 x 38mm sawn softwood brander at 450mm centres with cross brander at 450mm centres and at joints, ends of sheets and at light fittings, etc.			
5	6	63	1		m2	432
			Extra over ceiling for 600 x 600mm hinged trap door of wrought softwood rebated framing with one sawn softwood cross brander covered with ceiling board and fitted flush in opening, including necessary trimmers all around.			
5	6	63	2		No	7
			6mm Fibre-cement plain ceiling boards with H-profile galvanised steel jointing strips:			
			Ceilings including 50 x 38mm sawn softwood brander at 450mm centres with cross brander at 450mm centres and at joints, ends of sheets and at light fittings, etc.			
5	6	63	3		m2	124

5	6	63	4	Extra over ceiling for 600 x 600mm hinged trap door of wrought softwood rebated framing with one sawn softwood cross brander covered with ceiling board and fitted flush in opening, including necessary trimmers all around.	No	1
5	6	63		INSULATION		
5	6	64		Non-combustible lightweight fibreglass insulation blanket: 100mm Insulation closely fitted between tie beams and laid loose on top of brander.		
5	6	64	5	SECTION.5	m2	432
5	7	65		BILL No. 7		
5	7	65		IRONMONGERY		
				The Tenderer is referred to the relevant Clauses in the separate Supplementary Preambles hereunder and Department of Public Works PW371 document that can be downloaded from the Department of Public Works documents .		
5	7	65		MODEL PREAMBLES		
5	7	65		The tenderer is referred to the "General Preambles for Trades 2017" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates.		
5	7	65		SUPPLEMENTARY PREAMBLES		
5	7	65		Keys/Locks		
				Each lock is to be distinctly numbered with consecutive numbers and each key is to be stamped with the corresponding number to the lock that it controls. All locks are to have two keys		
5	7	65		Trade Names		
5	7	65		Where trade names are specified other ironmongery approved by the Principal Agent may be used		
5	7	65		Fixing		
5	7	65		Fixing of ironmongery is deemed to be fixed to timber unless otherwise described		
5	7	65		HINGES:		
5	7	65	1	75 x 100mm Brass Medium duty ball bearing HMP butt hinges.	Pairs	21
5	7	66		LOCKS		
5	7	66	2	"UNION 2277-78SS" or equal approved three lever sash mortice lockset.	No	7
5	7	66		Sundries:		
5	7	66	3	Stainless Steel Hat and coat hook, code DHC - SS-030-A or equal approved.	No	7
5	7	66	4	38mm Diameter black rubber door stop plugged and screwed to wall.	No	7
5	7	66	5	3 x 25mm Brass dividing strip between different floor finishes.	m	7
5	7	66		SIGN PLATES:		
5	7	66		All sign plates are to be with engraved blue perspex all in accordance with the standard sign plates for Schools.		
5	7	66	6	3mm Thick x 32mm high plate with letters "KITCHEN".	No	1
5	7	66	7	Ditto, but with letters "PRINCIPAL".	No	1
5	7	66	8	Ditto, but with letters "CLASSROOMS".	No	1
5	7	66	9	Ditto, but with letters "VICE-PRINCIPAL".	No	1
5	7	66	10	Ditto, but with letters "STAFFROOM".	No	1
5	7	66	11	Ditto, but with letters "STORE ROOM".	No	1
5	7	66	12	Ditto, but with letters "SICKROOM".	No	1
5	7	66		PINNING BOARDS, WRITING BOARDS, PROJECTION SCREENS, ETC.		
5	7	66		Carpet pinning boards in aluminium frame with round plastic corners, pen tray and fixing component all fixed according to manufacturer's instruction.		
5	7	66	13	Pinning board size 2400 x 1200mm high plugged.	No	7
5	7	67		Swing type green chalkboard to comply with CKS-36-1980 or equivalent code of practice, complete with chalk rail as one unit fixed to wall strictly according to manufacturers instruction:		
5	7	67	14	Chalk board size overall 1140mm high x 3600mm wide consisting of 1 x chalkboard 1800mm wide, 2 x chalkboard 900mm wide, 2 x swing type chalkboard 900mm wide.	No	7
5	7	67		White board marker board surface wall mounted complete with integrated pen tray according to manufacturers instruction:		
5	7	67	15	White board size 2400 x 1140mm high.	No	7
5	7	67		Standard wall mounted white built in type medicine cabinet complete with mirrors on doors, shelves, etc., all as approved and to manufacturer's instruction:		
5	7	67	16	Epoxy coated Medicine cabinet size 380mm wide x 610mm high.	No	1
5	8	68		SECTION.5		
5	8	68		BILL No. 8		

5	8	68	METALWORK		
			The Tenderer is referred to the relevant Clauses in the separate Supplementary Preambles hereunder and Department of Public Works PW371 document that can be downloaded from the Department of Public Works documents .		
5	8	68			
5	8	68	MODEL PREAMBLES		
			The tenderer is referred to the "General Preambles for Trades 2017" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates.		
5	8	68			
5	8	68	SUPPLEMENTARY PREAMBLES		
			The Contractor is to check and verify on site that the item specified in the BoQ matches existing prior to placing orders. Additional costs will not be borne by the client for items that do not match existing and are not approved by the Principal Agent		
5	8	68	HOT DIP GALVANIZED STEEL GATES		
5	8	68	Note: The contractor is to check on site measurements before placing of order.		
			Security Gate consisting of 25 x 25 x 2mm galvanised mild steel frame with 12mm galvanised mild steel square bars infill placed at 109mm centres, hung with one pair of galvanised mild steel hinges including locks, handles, ironmongery complete and fixed to brickwork:		
5	8	68	1 Security gate size 900 x 2050mm high (G1).	No	6
5	8	68			
5	8	69	HOT DIP GALVANIZED STEEL VERANDER POSTS		
			75mm Diameter x 3000mm long fitted with 150mm x 150mm base plate and 225mm x 50mm U-Shaped top cap above embedded to the concrete and brickwork :		
5	8	69	2 75mm Diameter galvanized Verander Posts.	No	18
5	8	69			
5	9	70	SECTION.5		
5	9	70	BILL No. 9		
5	9	70	GLAZING		
			The Tenderer is referred to the relevant Clauses in the separate Supplementary Preambles hereunder and Department of Public Works PW371 document that can be downloaded from the Department of Public Works documents .		
5	9	70	GLAZING TO STEEL WITH PUTTY		
5	9	70	4mm Clear float glass:		
5	9	70	1 Panes exceeding 0,1m ² and not exceeding 0,5m ² .	m2	41
5	10	71	SECTION.5		
5	10	71	BILL No. 10		
			The Tenderer is referred to the relevant Clauses in the separate Supplementary Preambles hereunder and Department of Public Works PW371 document that can be downloaded from the Department of Public Works documents .		
5	10	71	VINYL FLOOR COVERINGS, WALL LININGS, ETC.		
5	10	71	300 x 300 x 2,5mm Thick semi flexible vinyl floor tiles laid in two colour pattern fixed with an approved adhesive:		
5	10	71	1 On screeded floors.	m2	344
5	10	71	2 Strip, seal and polish the new floors.	m2	344
5	11	72	SECTION.5		
5	11	72	BILL No. 11		
5	11	72	PLUMBING AND DRAINAGE (PROVISIONAL)		
			The Tenderer is referred to the relevant Clauses in the separate Supplementary Preambles hereunder and Department of Public Works PW371 document that can be downloaded from the Department of Public Works documents .		
5	11	72	MODEL PREAMBLES		
5	11	72	The tenderer is referred to the "General Preambles for Trades 2017" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates.		
5	11	72	RAINWATER DISPOSAL:		
5	11	72			
			Watertite or equal approved Aluminium Gutters and Downpipes:		
5	11	72	1 125 x 85 x 0.6mm Ogee domestic gutters including gutter brackets at 600mm centres.	m	100
5	11	72	2 Extra over eaves gutter for stopped end.	No	8
			Extra over eaves gutter for outlet for 100 x 75mm aluminium downpipe.		
5	11	72	3 100 x 75 x 0.6mm rectangular fluted downpipes fixed to wall with and including proprietary holderbats to 5000L rainwater tanks (elsewhere measured).	No	6
5	11	72	4		
5	11	72	5 Extra over rainwater downpipe for bends.	m	16
5	11	72	FIRE APPLIANCES, ETC.	No	12
5	11	73	Fire hose reels, etc.:		

5	11	73	6	9kg Dry chemical powder fire extinguisher fixed to wall with meranti backboard, size 520 x 100 x 22mm thick, plugged and screwed to wall complete with hook.	No	6
5	12	74		SECTION.5		
5	12	74		BILL No. 12		
5	12	74		PLASTERING		
				The Tenderer is referred to the relevant Clauses in the separate Supplementary Preambles hereunder and Department of Public Works PW371 document that can be downloaded from the Department of Public Works documents .		
5	12	74		MODEL PREAMBLES		
5	12	74		The tenderer is referred to the "General Preambles for Trades 2017" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates.		
5	12	74		SCREEDS		
5	12	74		Untinted granolithic, on concrete:		
5	12	74	1	30mm Thick on floors and landings.	m2	376
5	12	74		INTERNAL AND EXTERNAL PLASTER		
5	12	74		One coat cement plaster steel trowelled on brickwork.		
5	12	74	2	On walls.	m2	150
5	12	74	3	On narrow widths.	m2	5
5	13	75		SECTION.5		
5	13	75		BILL No. 13		
5	13	75		PAINTWORK		
				The Tenderer is referred to the relevant Clauses in the separate Supplementary Preambles hereunder and Department of Public Works PW371 document that can be downloaded from the Department of Public Works documents .		
5	13	75		MODEL PREAMBLES		
5	13	75		The tenderer is referred to the "General Preambles for Trades 2017" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates.		
5	13	75		SUPPLEMENTARY PREAMBLES		
5	13	75		Trade Names		
5	13	75		Where trade names are specified it will read "or equal approved"		
5	13	75		PAINTWORK ETC TO NEW WORK		
5	13	75		ON FLOATED PLASTER SURFACES		
				Prepare surfaces and remove all loose material, apply one coat alkaline resistant primer, one universal undercoat two coats eggshell enamel paint on:		
5	13	75	1	Interior walls.	m2	534
5	13	75		ON WOOD		
				Stop, sand down and prepare wood surfaces and apply one coat wood primer, one undercoat and two coats eggshell enamel paint as per Plascon or equal approved:		
5	13	76				
5	13	76	2	On doors	m2	24
5	13	76	3	On door frames.	m	35
5	13	76	4	On timber beams.	m	48
5	13	76		Prepare and apply two coats carbolonium on:		
5	13	76	5	On exposed timbers.	m2	66
5	13	76		ON FIBRE-CEMENT		
				Prepare and apply one coat zinc chromate to nail heads and H-spline strips, one universal undercoat, stop and apply two finishing coats of eggshell enamel on:		
5	13	76				
5	13	76	6	General surfaces of ceilings.	m2	432
5	13	76	7	On fascias and barge boards.	m	156
5	13	76		SKIRTING		
				Stop, sand down, prepare and apply two coats polyurethane varnish on:		
5	13	76				
5	13	76	8	Skirtings and quadrant bead, rails, etc., not exceeding 300 mm girth.	m	176
5	13	76		PREVIOUSLY PAINTED WORKS ON METAL		
				Prepare, spot primer defects in pre-primed surfaces with red oxide primer and apply one coat synthetic metal primer, one universal undercoat and one finishing coat of high gloss enamel paint on:		
5	13	76				
5	13	76	9	Windows (both sides measured).	m2	58
5	13	76	10	Windows with burglar bars (both sides measured).	m2	58
5	13	76	11	Verander Posts.	m	15
5	14	77	1	Alterations	Page	52
5	14	77	2	Masonry	Page	54
5	14	77	3	Waterproofing	Page	55
5	14	77	4	Carpentry and Joinery	Page	58
5	14	77	5	Roof Coverings	Page	62
5	14	77	6	Ceiling and Partitions	Page	64
5	14	77	7	Ironmongery	Page	67

5	14	77	8	Metalworks	Page	69
5	14	77	9	Glazing	Page	70
5	14	77	10	Floor Coverings	Page	71
5	14	77	11	Plumbing and Drainage	Page	73
5	14	77	12	Plastering	Page	74
5	14	77	13	Painting	Page	76
6	1	78		REPAIRS AND RENOVATIONS TO EXISTING 2 CLASSROOM BLOCK		
6	1	78		SECTION.6		
6	1	78		BILL No. 1		
6	1	78		ALTERATIONS (PROVISIONAL)		
				The Tenderer is referred to the relevant Clauses in the separate Supplementary Preambles hereunder and Department of Public Works PW371 document that can be downloaded from the Department of Public Works documents .		
6	1	78		MODEL PREAMBLES		
6	1	78		The tenderer is referred to the "General Preambles for Trades 2017" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates.		
6	1	78		SUPPLEMENTARY PREAMBLES		
6	1	78		Existing Furniture, Equipment, etc		
				The Contractor shall not remove or damage any furniture, equipment or similar items that belong to the Department except when specifically described in the items to follow: The Contractor must give the Principal Agent sufficient notice if the removal of these items are required before any prescribed alterations can be done		
6	1	78		Damage to existing finishes		
6	1	79				
				The Contractor will be held responsible for all damage however caused to existing finishes and fittings, etc. and he must make good all damage at his own expense to the approval of the Principal Agent. Breaking down, demolition and alteration activities and tasks, hacking off of existing plaster, etc. is to be executed with care so as to prevent damage to remaining floor and wall surfaces and finishes (where these are to be retained). Tenders will be deemed to include allowance for any necessary protection of existing surfaces and structures as may be necessary to effect the above, as the cost of repairing damage to existing surfaces and structures will be solely for the Contractors account		
6	1	79		Responsibility for site		
6	1	79				
				The Contractor is to note that upon possession of the site by himself, and extending until practical completion is achieved, he is solely responsible for the site, site security, general upkeep and cleaning of the site and all other responsibilities in maintaining a construction site in conformance with but not limited to, the Construction Regulations 2014, all local by-laws, all user client regulations, and all Client regulations and procedures. Tenderers are therefore urged to study all available material and to investigate the site fully and areas contiguous to the site, in order to determine the range and extent of responsibility. No additional monetary and/or time claims will be entertained in respect of the above		
6	1	79		REMOVAL OF EXISTING WORK		
6	1	79		Take down and remove roofs, floors, panelling, ceilings, partitions, etc		
6	1	79		Gypsum plasterboard ceiling including cornices, timber bandering, etc.	m2	144
6	1	79	1	Corrugated metal roof sheeting including timber rafters, purlins, etc.Size 48.00m x 8.20m on Plan.	m2	252
6	1	80	2	Timber door complete with lockset, size 813 x 2032mm high.	No	2
6	1	80	3	Glazing on steel window frame , including preparation for the new putty.	m2	14
6	1	80	4	Doorstop including preparing to install new.	No	2
6	1	80	5	Steel coated black chalkboard complete with the brackets	No	2
6	1	80	6	Prefabricated timber trusses including timber purlins, etc.	No	14
6	1	80	7	Vinyl floor tiles from screeded floors by blow torch including preparing for new tiles.	m2	128
6	1	80	8			
6	1	80	9	Timber pinning board on plastered walls including removal on nails.	No	2
6	1	80	10	Barge boards and Fascia boards complete with brackets etc.	m	32
6	1	80	11	75mm Diameter Verander Steel Posts embedded to the concrete and brickwork.	No	00
6	1	80		Taking down and removing rainwater goods:		
6	1	80		Half round eaves gutter and gutter brackets fixed to fascia board		
6	1	80	12	rafter ends.	m	40
6	1	80	13	Rainwater downpipes and fittings	m	12

6	1	80		Sundries		
6	1	80	14	Hacking off all loose existing plaster and preparation for the new plaster.	m2	100
6	1	80	15	Hacking off all damaged existing screed and preparation for the new screed.	m2	40
6	1	80	16	Prepare and finish screed in some patches.	m2	10
6	1	80	17	Service window by adjust screws to enable window to remain in open position, including fitting any missing hinges etc.	No	14
6	1	81	18	Service existing roller shutter door by adjust screws to enable door to close and freely.	No	1
6	2	82		SECTION.6		
6	2	82		BILL No. 2		
6	2	82		MASONRY		
				The Tenderer is referred to the relevant Clauses in the separate Supplementary Preambles hereunder and Department of Public Works PW371 document that can be downloaded from the Department of Public Works documents .		
6	2	82		BRICKWORK IN SUPERSTRUCTURE		
6	2	82		Brickwork of NFX bricks (14 MPa nominal compressive strength) in Class I mortar:		
6	2	82	1	One brick walls.	m2	120
6	2	82		BRICKWORK AND BLOCKWORK SUNDRIES		
6	2	82		Galvanized brickwork reinforcement		
6	2	82	2	230mm Wide reinforcement built in horizontally.	m	60
6	2	82		Cramps, ties, etc:		
6	2	82	3	30 x 2mm Galvanized roof tie 1500mm long with one end fixed to timber and other built into brickwork or concrete.	No	28
6	2	82		Air bricks etc:		
6	2	82	4	229 x 152mm terracotta clay vermin proof air brick	No	8
6	2	82		FIBRE CEMENT WINDOW CILLS		
6	2	82		15mm Thick natural grey cills in single length bedded in 4:1 sand cement mortar including metal lugs, etc:		
6	2	82	5	140mm Wide cills set flat and slightly projecting.	m	14
6	3	83		SECTION.6		
6	3	83		BILL No. 3		
6	3	83		WATERPROOFING		
				The Tenderer is referred to the relevant Clauses in the separate Supplementary Preambles hereunder and Department of Public Works PW371 document that can be downloaded from the Department of Public Works documents .		
6	3	83		The Tenderer is referred to the relevant Clauses in the separate Supplementary Preambles hereunder and Department of Public Works PW371 document that can be downloaded from the Department of Public Works documents .		
6	3	83		MODEL PREAMBLES		
6	3	83		The tenderer is referred to the "General Preambles for Trades 2017" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates.		
6	3	83		JOINT SEALANTS ETC		
6	3	83		Clear Neutral silicone sealant:		
6	3	83	1	In joint sealing and pointing all round external window and door frames.	m	38
6	3	83		Two-part grey polysulphide sealing compound including backing cord, bond breaker, primer, etc		
6	3	83	2	10 x 12mm In movement joints in floors or walls including raking out expansion joint filler as necessary (Provisional).	m	25
6	4	84		SECTION.6		
6	4	84		BILL No. 4		
6	4	84		CARPENTRY & JOINERY		
				The Tenderer is referred to the relevant Clauses in the separate Supplementary Preambles hereunder and Department of Public Works PW371 document that can be downloaded from the Department of Public Works documents .		
6	4	84		MODEL PREAMBLES		
6	4	84		The tenderer is referred to the "General Preambles for Trades 2017" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates.		
6	4	84		SUPPLEMENTARY PREAMBLES		
6	4	84		FIXING		
6	4	84		All nailing of timber roof rafters, purlins, etc shall be done with galvanised nails. In coastal areas, copper, aluminium or stainless steel nails shall be used.		
6	4	84		CARPENTRY		
6	4	84		Sawn softwood:		

6	4	84	1	Trusses for rectangular shaped building, size overall size overall 16.00 x 7.90m on plan (2 Classroom Block).	Item	1	97 550	97 550
6	4	84	2	38 x 114mm Wall plate.	m	34		
6	4	84		SKIRTING				
6	4	84		Wrought meranti:				
6	4	84	3	19 x 76mm Skirtings including 19mm quadrant bead, nailed.	m	66		
6	4	85	4	50mm x 225mm Laminated Timber beam fitted with 10mm diameter bolts and nuts on the galvanized steel Veranders Posts.	m	20		
6	4	85		FRAMED FRAMES, ETC				
6	4	85		Meranti Frames bolted to wall with expanding masonry bolts - four per style including quadrant beads on both sides:				
6	4	85	5	70 x 108mm rebated meranti frame .	m	10		
6	4	85		Sundries:				
6	4	85	6	TRI FIX or equal approved hurricane clip fixed using 10 x 32mm galvanised clout nails (Provisional).	No	28		
6	4	85		EAVES, VERGES, ETC				
6	4	85		"Everite Nutec" or equal approved fibre cement				
6	4	85	7	12 x 225mm Fascia board drilled and brass screwed to rafter feet including galvanised steel H-profile jointing strips, etc.	m	36		
6	4	85	8	85 x 275 x 6mm Barge board drilled and brass screwed to purlin ends including galvanised steel H-profile jointing strips, screws, holes, etc.	m	32		
6	4	85		DOORS ETC				
6	4	85		SANS Approved meranti:				
6	4	85	9	44mm Framed, ledged, and battened single door with flush ply panel internally size 813 x 2032mm high comprising 44 x 110mm top rail and stiles, 44 x 220mm bottom rail, 44 x 150mm lock rail and 22 x 70mm vertical "v" jointed boards (D1).	No	2		
6	5	86		SECTION.6				
6	5	86		BILL No. 5				
6	5	86		ROOF COVERINGS				
6	5	86		The Tenderer is referred to the relevant Clauses in the separate Supplementary Preambles hereunder and Department of Public Works PW371 document that can be downloaded from the Department of Public Works documents .				
6	5	86		MODEL PREAMBLES				
6	5	86		The tenderer is referred to the "General Preambles for Trades 2017" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates.				
6	5	86		SUPPLEMENTARY PREAMBLES				
6	5	86		Flashings				
6	5	86		Flashings shall be approved by roof sheeting manufacturer and fixed to the sheeting with S10 clips to obviate any direct fixing perforations. Prior to flashings being fixed, all troughs at the apex shall be stop-ended to the full depth of the sheet in order to prevent any penetration of wind driven water. The trough shall be lipped at the eaves end to form a drip. Flashing flanges shall be notched to the sheet profile where necessary. All these operations must be performed with special tools available from the manufacturer. Care shall be taken to ensure that no sheeting or flashing will be cut with abrasive disc on roof surface in order to prevent steel splatter from penetrating colour coated areas. The flashings shall be supplied with a paint finish consisting of a full top coat silicon modified polyester				
6	5	86		Colour : White to one side				
6	5	87		Quality Assurance				
6	5	87		The manufacturer shall be assessed and certified as complying with ISO 9001: 2008 Quality Management System				
6	5	87		Guarantee				
6	5	87		Z200 Galvanized Metal or equal approved sheeting shall be laid in strict accordance with manufacturer's specifications by an approved contractor. The employer shall be provided with a ten year written guarantee on materials by the manufacturer.				
6	5	87		Safety				
6	5	87		The contractor shall exercise special care when handling long length sheeting, particularly in windy conditions. Should work be interrupted for any reason, all loose sheeting and incomplete sections must be adequately secured against possible movement by wind and gravity				
6	5	87		Handling and Storage				

			The contractor shall ensure that all materials used on site for cladding, etc are transported, handled and stored in accordance with the manufacturer's recommendations. Material damaged shall be rejected and replaced with undamaged material at the contractor's expense. Repair of damaged material will not generally be permitted. Rates are to include for preventing damage and protecting sheets through all stages of construction			
6	5	87				
6	5	88	Inspection Prior to Installation or Erection			
			Before commencing with installation, the contractor shall verify that the following items have been checked and accepted: a. The entire structure or the portion thereof to be sheeted has been correctly aligned, levelled and grouted b. Purlins and sheeting rails are at the correct spacing and are within the specified tolerances c. The corners of the roof are square and the wall framework is perpendicular or as specified d. No protrusions such as bolt heads, splice plates, cleats, etc. appear on the face of the framework e. All members to which roofing and cladding are to be fixed in aesthetically sensitive areas are true and square f. Paint and any other materials that may be incompatible with the sheeting, have been painted over or so dealt with that direct contact with the sheeting is avoided g. The contact faces between the purlins or the girts and the cladding are in the same plane. Should the alignment be inadequate, the contractor shall request instructions from the engineer before proceeding with the fixing of the cladding			
6	5	88				
6	5	88	Protrusion through Sheeted Surfaces			
			Protrusions such as pipes, ducts and the like, shall be adequately flashed where they pass through the sheeting surface. Where ribs have to be cut away to permit penetration, additional framing is to be installed as required to support the sheeting. Depending on the position of the penetration through the roof, special attention shall be given to back flashing the sheeting to the ridge or point of water entry. In all cases, all cutting and flashings shall be so arranged that adequate provision is made for the drainage of all troughs and corrugation			
6	5	88				
6	5	89	Cleaning of Roofs, etc			
			All debris, etc arising from the fixing of the cladding shall be removed from the sheetin as the fixing progresses. In addition, off-cuts of insulation, surplus fastners and sealants, mandrels from pop rivets, off-cuts of flashings and sheeting, surplus flashing, food packaging, cartons, bottles, cans, etc shall not be left on the roof or in the gutters. Care shall be taken to ensure that no such material enters, blocks or partially impedes the flow of water into the outlets, downpipes, etc			
6	5	89				
6	5	89	ROOF COVERINGS			
6	5	89	PROFILED METAL SHEETING AND ACCESSORIES			
			0,58mm Thick Z200 "IBR Profile" galvanised metal roof sheeting, in single sheet lengths, with "Chromadek" finish to external face and standard backing coat to internal face :			
6	5	89				
6	5	89	1	Roof sheeting laid to a mono-pitch.	m2	252
			0.58mm Flashings pre-painted to match roof sheeting and fixed in strict accordance with manufacturer's instructions:			
6	5	89				
6	5	89	2	Ridge capping with 225mm lapping secured onto the roof.	m	18
6	5	89	ROOF AND WALL INSULATION			
			"Sisalation Grade FR430" or equal approved heavy industrial insulation			
6	5	89				
			Insulation laid taut over roof trusses (at approximately 1 100mm centres) and fixed concurrent with SA Pine purlins at 900mm centres, etc including galvanised steel straining wires			
6	5	89	3		m2	252
6	6	90	SECTION.6			
6	6	90	BILL No. 6			
			The Tenderer is referred to the relevant Clauses in the separate Supplementary Preambles hereunder and Department of Public Works PW371 document that can be downloaded from the Department of Public Works documents .			
6	6	90				
6	6	90	NAILED UP AND SCREW UP CEILINGS			
			4mm Fibre-cement plain ceiling boards with H-profile galvanised steel jointing strips:			
6	6	90				
			Ceilings including 50 x 38mm sawn softwood brandering at 450mm centres with cross brandering at 450mm centres and at joints, ends of sheets and at light fittings complete with cornices, etc.			
6	6	90	1		m2	144

6	6	90	2	Extra over ceiling for 600 x 600mm hinged trap door of wrought softwood rebated framing with one sawn softwood cross brander covered with ceiling board and fitted flush in opening, including necessary trimmers all around.	No	2
6	6	90		INSULATION		
6	6	90		Non-combustible lightweight fibreglass insulation blanket: 100mm Insulation closely fitted between tie beams and laid loose on top of brander.		
6	6	90	3	SECTION.6	m2	144
6	7	91		BILL No. 7		
6	7	91		IRONMONGERY		
6	7	91		The Tenderer is referred to the relevant Clauses in the separate Supplementary Preambles hereunder and Department of Public Works PW371 document that can be downloaded from the Department of Public Works documents .		
6	7	91		MODEL PREAMBLES		
6	7	91		The tenderer is referred to the "General Preambles for Trades 2017" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates.		
6	7	91		SUPPLEMENTARY PREAMBLES		
6	7	91		Keys/Locks		
6	7	91		Each lock is to be distinctly numbered with consecutive numbers and each key is to be stamped with the corresponding number to the lock that it controls. All locks are to have two keys		
6	7	91		Trade Names		
6	7	91		Where trade names are specified other ironmongery approved by the Principal Agent may be used		
6	7	91		Fixing		
6	7	91		Fixing of ironmongery is deemed to be fixed to timber unless otherwise described		
6	7	91		HINGES:		
6	7	91	1	75 x 100mm Brass Medium duty ball bearing HMP butt hinges.	Pairs	4
6	7	92		LOCKS		
6	7	92	2	"UNION 2277-78SS" or equal approved three lever sash mortice lockset.	No	2
6	7	92		Sundries:		
6	7	92	3	Stainless Steel Hat and coat hook, code DHC - SS-030-A or equal approved.	No	2
6	7	92	4	38mm Diameter black rubber door stop plugged and screwed to wall.	No	2
6	7	92	5	3 x 25mm Brass dividing strip between different floor finishes.	m	2
6	7	92		SIGN PLATES:		
6	7	92		All sign plates are to be with engraved blue perspex all in accordance with the standard sign plates for Schools.		
6	7	92	6	Ditto, but with letters "CLASSROOMS".	No	2
6	7	92		PINNING BOARDS, WRITING BOARDS, PROJECTION SCREENS, ETC.		
6	7	92		Carpet pinning boards in aluminium frame with round plastic corners, pen tray and fixing component all fixed according to manufacturer's instruction.		
6	7	92	7	Pinning board size 2400 x 1200mm high plugged.	No	2
6	7	92		Swing type green chalkboard to comply with CKS-36-1980 or equivalent code of practice, complete with chalk rail as one unit fixed to wall strictly according to manufacturers instruction:		
6	7	92	8	Chalk board size overall 1140mm high x 3600mm wide consisting of 1 x chalkboard 1800mm wide, 2 x chalkboard 900mm wide, 2 x swing type chalkboard 900mm wide.	No	2
6	7	93		White board marker board surface wall mounted complete with integrated pen tray according to manufacturers instruction:		
6	7	93	9	White board size 2400 x 1140mm high.	No	2
6	8	94		SECTION.6		
6	8	94		BILL No. 8		
6	8	94		METALWORK		
6	8	94		The Tenderer is referred to the relevant Clauses in the separate Supplementary Preambles hereunder and Department of Public Works PW371 document that can be downloaded from the Department of Public Works documents .		
6	8	94		MODEL PREAMBLES		
6	8	94		The tenderer is referred to the "General Preambles for Trades 2017" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates.		

6	8	94	SUPPLEMENTARY PREAMBLES			
			The Contractor is to check and verify on site that the item specified in the BoQ matches existing prior to placing orders. Additional costs will not be borne by the client for items that do not match existing and are not approved by the Principal Agent			
6	8	94	HOT DIP GALVANIZED STEEL GATES			
6	8	94	Note: The contractor is to check on site measurements before placing of order.			
			Security Gate consisting of 25 x 25 x 2mm galvanised mild steel frame with 12mm galvanised mild steel square bars infill placed at 109mm centres, hung with one pair of galvanised mild steel hinges including locks, handles, ironmongery complete and fixed to brickwork:			
6	8	94	1	Security gate size 900 x 2050mm high (G1).	No	2
6	8	95	HOT DIP GALVANIZED STEEL VERANDER POSTS			
			75mm Diameter x 3000mm long fitted with 150mm x 150mm base plate and 225mm x 50mm U-Shaped top cap above embedded to the concrete and brickwork :			
6	8	95	2	75mm Diameter galvanized Verander Posts.	No	8
6	8	95	SECTION.6			
6	9	96	BILL No. 9			
6	9	96	GLAZING			
			The Tenderer is referred to the relevant Clauses in the separate Supplementary Preambles hereunder and Department of Public Works PW371 document that can be downloaded from the Department of Public Works documents .			
6	9	96	GLAZING TO STEEL WITH PUTTY			
6	9	96	4mm Clear float glass:			
6	9	96	1	Panes exceeding 0,1m ² and not exceeding 0,5m ² .	m2	14
6	10	97	SECTION.6			
6	10	97	BILL No. 10			
			The Tenderer is referred to the relevant Clauses in the separate Supplementary Preambles hereunder and Department of Public Works PW371 document that can be downloaded from the Department of Public Works documents .			
6	10	97	VINYL FLOOR COVERINGS, WALL LININGS, ETC.			
6	10	97	300 x 300 x 2,5mm Thick semi flexible vinyl floor tiles laid in two colour pattern fixed with an approved adhesive:			
6	10	97	1	On screeded floors.	m2	144
6	10	97	2	Strip, seal and polish the new floors.	m2	144
6	11	98	SECTION.6			
6	11	98	BILL No. 11			
6	11	98	PLUMBING AND DRAINAGE (PROVISIONAL)			
			The Tenderer is referred to the relevant Clauses in the separate Supplementary Preambles hereunder and Department of Public Works PW371 document that can be downloaded from the Department of Public Works documents .			
6	11	98	MODEL PREAMBLES			
6	11	98	The tenderer is referred to the "General Preambles for Trades 2017" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates.			
6	11	98	RAINWATER DISPOSAL:			
6	11	98	Watertite or equal approved Aluminium Gutters and Downpipes:			
6	11	98	1	125 x 85 x 0.6mm Ogee domestic gutters including gutter brackets at 600mm centres.	m	19
6	11	98	2	Extra over eaves gutter for stopped end.	No	4
6	11	98	3	Extra over eaves gutter for outlet for 100 x 75mm aluminium downpipe.	No	2
			100 x 75 x 0.6mm rectangular fluted downpipes fixed to wall with and including proprietary holderbats to 5000L rainwater tanks (elsewhere measured).			
6	11	98	4		m	6
6	11	98	5	Extra over rainwater downpipe for bends.	No	2
6	11	98	FIRE APPLIANCES, ETC.			
6	11	99	Fire hose reels, etc.:			
			9kg Dry chemical powder fire extinguisher fixed to wall with meranti backboard, size 520 x 100 x 22mm thick, plugged and screwed to wall complete with hook.			
6	11	99	6		No	2
6	12	100	SECTION.6			
6	12	100	BILL No. 12			
6	12	100	PLASTERING			
			The Tenderer is referred to the relevant Clauses in the separate Supplementary Preambles hereunder and Department of Public Works PW371 document that can be downloaded from the Department of Public Works documents .			
6	12	100				

6	12	100	MODEL PREAMBLES The tenderer is referred to the "General Preambles for Trades 2017" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates.		
6	12	100	SCREEDS		
6	12	100	Untinted granolithic, on concrete:		
6	12	100	30mm Thick on floors and landings.	m2	144
6	12	100	INTERNAL AND EXTERNAL PLASTER		
6	12	100	One coat cement plaster steel trowelled on brickwork.		
6	12	100	2 On walls.	m2	36
6	12	100	3 On narrow widths.	m2	5
6	13	101	SECTION.6		
6	13	101	BILL No. 13		
6	13	101	PAINTWORK		
			The Tenderer is referred to the relevant Clauses in the separate Supplementary Preambles hereunder and Department of Public Works PW371 document that can be downloaded from the Department of Public Works documents .		
6	13	101	MODEL PREAMBLES		
6	13	101	The tenderer is referred to the "General Preambles for Trades 2017" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates.		
6	13	101	SUPPLEMENTARY PREAMBLES		
6	13	101	Trade Names		
6	13	101	Where trade names are specified it will read "or equal approved"		
6	13	101	PAINTWORK ETC TO NEW WORK		
6	13	101	ON FLOATED PLASTER SURFACES		
			Prepare surfaces and remove all loose material, apply one coat alkaline resistant primer, one universal undercoat two coats eggshell enamel paint on:		
6	13	101	1 Interior walls.	m2	68
6	13	101	ON WOOD		
			Stop, sand down and prepare wood surfaces and apply one coat wood primer, one undercoat and two coats eggshell enamel paint as per Plascon or equal approved:		
6	13	102	2 On doors	m2	8
6	13	102	3 On door frames.	m	10
6	13	102	Prepare and apply two coats carbolonium on:		
6	13	102	4 On exposed timbers.	m2	52
6	13	102	ON FIBRE-CEMENT		
			Prepare and apply one coat zinc chromate to nail heads and H-spline strips, one universal undercoat, stop and apply two finishing coats of eggshell enamel on:		
6	13	102	5 General surfaces of ceilings.	m2	144
6	13	102	6 On fascias and barge boards.	m	32
6	13	102	SKIRTING		
			Stop, sand down, prepare and apply two coats polyurethane varnish on:		
6	13	102	7 Skirtings and quadrant bead, rails, etc., not exceeding 300 mm girth.	m	68
6	13	102	PREVIOUSLY PAINTED WORKS ON METAL		
			Prepare, spot primer defects in pre-primed surfaces with red oxide primer and apply one coat synthetic metal primer, one universal undercoat and one finishing coat of high gloss enamel paint on:		
6	13	102	8 Windows (both sides measured).	m2	14
6	13	102	9 Windows with burglar bars (both sides measured).	m2	14
6	14	103	1 Alterations	Page	81
6	14	103	2 Masonry	Page	82
6	14	103	3 Waterproofing	Page	83
6	14	103	4 Carpentry and Joinery	Page	85
6	14	103	5 Roof Coverings	Page	89
6	14	103	6 Ceiling and Partitions	Page	90
6	14	103	7 Ironmongery	Page	93
6	14	103	8 Metalwork	Page	95
6	14	103	9 Glazing	Page	96
6	14	103	10 Floor Coverings	Page	97
6	14	103	11 Plumbing and Drainage	Page	99
6	14	103	12 Plastering	Page	100
6	14	103	13 Painting	Page	102
			MINOR REPAIRS AND RENOVATIONS TO EXISTING STAFF ABLUTION BLOCK		
7	1	104	SECTION.7		
7	1	104	BILL No. 1		
7	1	104	ALTERATIONS (PROVISIONAL)		

			The Tenderer is referred to the relevant Clauses in the separate Supplementary Preambles hereunder and Department of Public Works PW371 document that can be downloaded from the Department of Public Works documents .			
7	1	104				
7	1	104	MODEL PREAMBLES			
			The tenderer is referred to the "General Preambles for Trades 2017" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates.			
7	1	104				
7	1	104	SUPPLEMENTARY PREAMBLES			
7	1	104	Damage to existing finishes			
			The Contractor will be held responsible for all damage however caused to existing finishes and fittings, etc. and he must make good all damage at his own expense to the approval of the Principal Agent. Breaking down, demolition and alteration activities and tasks, hacking off of exitsing plaster, etc. is to be executed with care so as to prevent damage to remaining floor and wall surfaces and finishes (where these are to be retained). Tenders will be deemed to include allowance for any necessary protection of exitsing surfaces and structures as may be necessary to effect the above, as the cost of repairing damage to existing surfaces and structures will be solely for the Contractors account			
7	1	104				
7	1	105	Responsibility for site			
			The Contractor is to note that upon possession of the site by himself, and extending until practical completion is achieved, he is solely responsible for the site, site security, general upkeep and cleaning of the site and all other responsibilities in maintaining a construction site in conformance with but not limited to, the Construction Regulations 2014, all local by-laws, all user client regulations, and all Client regulations and procedures. Tenderers are therefore urged to study all available material and to investigate the site fully and areas contiguous to the site, in order to determine the range and extent of responsibility. No additional monetary and/or time claims will be entertained in respect of the above			
7	1	105				
7	1	105	REMOVAL OF EXISTING WORK			
7	1	105	Sundries			
7	1	105	1	Hacking off all loose existing plaster and preparation for the new plaster.	m2	10
7	1	105	2	Hacking off all damaged existing screed and preparation for the new screed.	m2	12
7	2	106	SECTION.7			
7	2	106	BILL No.2			
7	2	106	CARPENTRY & JOINERY			
			The Tenderer is referred to the relevant Clauses in the separate Supplementary Preambles hereunder and Department of Public Works PW371 document that can be downloaded from the Department of Public Works documents .			
7	2	106				
7	2	106	MODEL PREAMBLES			
			The tenderer is referred to the "General Preambles for Trades 2017" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates.			
7	2	106				
7	2	106	SUPPLEMENTARY PREAMBLES			
7	2	106	FIXING			
			All nailing of timber roof rafters, purlins, etc shall be done with galvanised nails. In coastal areas, copper, aluminium or stainless steel nails shall be used.			
7	2	106				
7	2	106	CARPENTRY			
7	2	106	Sawn softwood:			
			Trusses for rectangular shaped building, size overall size overall 4.00 x 3.20m on plan.			
7	2	106	1		Item	1
7	2	106	2	38 x 114mm Wall plate.	m	9
7	2	106	Sundries:			
			TRI FIX or equal approved hurricane clip fixed using 10 x 32mm galvanised clout nails (Provisional).			
7	2	106	3		No	20
7	2	106	EAVES, VERGES, ETC			
7	2	107	"Everite Nutec" or equal approved fibre cement			
			12 x 225mm Fascia board drilled and brass screwed to rafter feet including galvanised steel H-profile jointing strips, etc.			
7	2	107	4		m	10
			85 x 275 x 6mm Barge board drilled and brass screwed to purlin ends including galvanised steel H-profile jointing strips, screws, holes, etc.			
7	2	107	5		m	8
7	3	108	SECTION.7			
7	3	108	BILL No.3			
7	3	108	ROOF COVERINGS			

			The Tenderer is referred to the relevant Clauses in the separate Supplementary Preambles hereunder and Department of Public Works PW371 document that can be downloaded from the Department of Public Works documents .
7	3	108	
7	3	108	MODEL PREAMBLES
			The tenderer is referred to the "General Preambles for Trades 2017" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates.
7	3	108	
7	3	108	SUPPLEMENTARY PREAMBLES
7	3	108	Flashings
			Flashings shall be approved by roof sheeting manufacturer and fixed to the sheeting with S10 clips to obviate any direct fixing perforations. Prior to flashings being fixed, all troughs at the apex shall be stop-ended to the full depth of the sheet in order to prevent any penetration of wind driven water. The trough shall be lipped at the eaves end to form a drip. Flashing flanges shall be notched to the sheet profile where necessary. All these operations must be performed with special tools available from the manufacturer. Care shall be taken to ensure that no sheeting or flashing will be cut with abrasive disc on roof surface in order to prevent steel splatter from penetrating colour coated areas. The flashings shall be supplied with a paint finish consisting of a full top coat silicon modified polyester Colour : White to one side
7	3	108	
7	3	109	Quality Assurance
			The manufacturer shall be assessed and certified as complying with ISO 9001: 2008 Quality Management System
7	3	109	
7	3	109	Guarantee
			Z200 Galvanized Metal or equal approved sheeting shall be laid in strict accordance with manufacturer's specifications by an approved contractor. The employer shall be provided with a ten year written guarantee on materials by the manufacturer.
7	3	109	
7	3	109	Safety
			The contractor shall exercise special care when handling long length sheeting, particularly in windy conditions. Should work be interrupted for any reason, all loose sheeting and incomplete sections must be adequately secured against possible movement by wind and gravity
7	3	109	
7	3	109	Handling and Storage
			The contractor shall ensure that all materials used on site for cladding, etc are transported, handled and stored in accordance with the manufacturer's recommendations. Material damaged shall be rejected and replaced with undamaged material at the contractor's expense. Repair of damaged material will not generally be permitted. Rates are to include for preventing damage and protecting sheets through all stages of construction
7	3	109	
7	3	110	Inspection Prior to Installation or Erection
			Before commencing with installation, the contractor shall verify that the following items have been checked and accepted: a. The entire structure or the portion thereof to be sheeted has been correctly aligned, levelled and grouted b. Purlins and sheeting rails are at the correct spacing and are within the specified tolerances c. The corners of the roof are square and the wall framework is perpendicular or as specified d. No protrusions such as bolt heads, splice plates, cleats, etc. appear on the face of the framework e. All members to which roofing and cladding are to be fixed in aesthetically sensitive areas are true and square f. Paint and any other materials that may be incompatible with the sheeting, have been painted over or so dealt with that direct contact with the sheeting is avoided g. The contact faces between the purlins or the girts and the cladding are in the same plane. Should the alignment be inadequate, the contractor shall request instructions from the engineer before proceeding with the fixing of the cladding
7	3	110	
7	3	110	Protrusion through Sheeted Surfaces
			Protrusions such as pipes, ducts and the like, shall be adequately flashed where they pass through the sheeting surface. Where ribs have to be cut away to permit penetration, additional framing is to be installed as required to support the sheeting. Depending on the position of the penetration through the roof, special attention shall be given to back flashing the sheeting to the ridge or point of water entry. In all cases, all cutting and flashings shall be so arranged that adequate provision is made for the drainage of all troughs and corrugation
7	3	110	

7	3	111	Cleaning of Roofs, etc			
			All debris, etc arising from the fixing of the cladding shall be removed from the sheetin as the fixing progresses. In addition, off-cuts of insulation, surplus fastners and sealants, mandrels from pop rivets, off-cuts of flashings and sheeting, surplus flashing, food packaging, cartons, bottles, cans, etc shall not be left on the roof or in the gutters. Care shall be taken to ensure that no such material enters, blocks or partially impedes the flow of water into the outlets, downpipes, etc			
7	3	111	ROOF COVERINGS			
7	3	111	PROFILED METAL SHEETING AND ACCESSORIES			
			0,58mm Thick Z200 "IBR Profile" galvanised metal roof sheeting, in single sheet lengths, with "Chromadek" finish to external face and standard backing coat to internal face :			
7	3	111	1 Roof sheeting laid to a mono-pitch.	m2	20	
7	3	111	0.58mm Flashings pre-painted to match roof sheeting and fixed in strict accordance with manufacturer's instructions:			
7	3	111	ROOF AND WALL INSULATION			
			"Sisalation Grade FR430" or equal approved heavy industrial insulation			
			Insulation laid taut over roof trusses (at approximately 1 100mm centres) and fixed concurrent with SA Pine purlins at 900mm centres, etc including galvanised steel straining wires	m2	20	
7	3	111	2			
7	4	112	SECTION.7			
7	4	112	BILL No.4			
7	4	112	PLASTERING			
			The Tenderer is referred to the relevant Clauses in the separate Supplementary Preambles hereunder and Department of Public Works PW371 document that can be downloaded from the Department of Public Works documents .			
7	4	112	MODEL PREAMBLES			
			The tenderer is referred to the "General Preambles for Trades 2017" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates.			
7	4	112	SCREEDS			
7	4	112	Untinted granolithic, on concrete:			
7	4	112	1 30mm Thick on floors and landings.	m2	12	
7	4	112	INTERNAL AND EXTERNAL PLASTER			
7	4	112	One coat cement plaster steel trowelled on brickwork.			
7	4	112	2 On walls.	m2	10	
7	4	112	3 On narrow widths.	m2	1	
7	5	113	SECTION.7			
7	5	113	BILL No.5			
7	5	113	PLUMBING AND DRAINAGE (PROVISIONAL)			
			The Tenderer is referred to the relevant Clauses in the separate Supplementary Preambles hereunder and Department of Public Works PW371 document that can be downloaded from the Department of Public Works documents .			
7	5	113	MODEL PREAMBLES			
			The tenderer is referred to the "General Preambles for Trades 2017" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates.			
7	5	113	RAINWATER DISPOSAL:			
7	5	113	Watertite or equal approved Aluminium Gutters and Downpipes:			
7	5	113	1 125 x 85 x 0.6mm Ogee domestic gutters including gutter brackets at 600mm centres.	m	6	
7	5	113	2 Extra over eaves gutter for stopped end.	No	2	
7	5	113	3 Extra over eaves gutter for outlet for 100 x 75mm aluminium downpipe.	No	1	
			100 x 75 x 0.6mm rectangular fluted downpipes fixed to wall with and including proprietary holderbats to 5000L rainwater tanks (elsewhere measured).	m	3	
7	5	113	4			
7	5	113	5 Extra over rainwater downpipe for bends.	No	1	
7	6	114	SECTION.7			
7	6	114	BILL No.6			
7	6	114	PAINTWORK			
			The Tenderer is referred to the relevant Clauses in the separate Supplementary Preambles hereunder and Department of Public Works PW371 document that can be downloaded from the Department of Public Works documents .			
7	6	114	MODEL PREAMBLES			
7	6	114				

			The tenderer is referred to the "General Preambles for Trades 2017" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates.		
7	6	114	SUPPLEMENTARY PREAMBLES		
7	6	114	Trade Names		
7	6	114	Where trade names are specified it will read "or equal approved"		
7	6	114	PAINTWORK ETC TO NEW WORK		
7	6	114	ON FLOATED PLASTER SURFACES		
			Prepare surfaces and remove all loose material, apply one coat alkaline resistant primer, one universal undercoat two coats eggshell enamel paint on:		
7	6	114	1	Interior walls.	m2 76
7	6	114	ON WOOD		
7	6	114	Prepare and apply two coats carbolonium on:		
7	6	114	2	On exposed timbers.	m2 20
7	6	115	ON FIBRE-CEMENT		
			Prepare and apply one coat zinc chromate to nail heads and H-spline strips, one universal undercoat, stop and apply two finishing coats of eggshell enamel on:		
7	6	115	3	On fascias and barge boards.	m 18
7	6	115	ON SCREEDED FLOORS		
			Prepare surfaces and remove all loose material, apply two coats grey epoxy paint on:		
7	6	115	4	On Floors	m2 12
7	6	115	1	Alterations	Page 105
7	7	116	2	Carpentry and Joinery etc	Page 107
7	7	116	3	Roof Coverings etc	Page 111
7	7	116	4	Plastering	Page 112
7	7	116	5	Rainwater Goods	Page 113
7	7	116	6	Painting	Page 115
			MINOR REPAIRS AND RENOVATIONS TO EXISTING STAFF ABLUTION BLOCK		
8	1	117	SECTION.8		
8	1	117	BILL No. 1		
8	1	117	ALTERATIONS (PROVISIONAL)		
			The Tenderer is referred to the relevant Clauses in the separate Supplementary Preambles hereunder and Department of Public Works PW371 document that can be downloaded from the Department of Public Works documents .		
8	1	117	MODEL PREAMBLES		
			The tenderer is referred to the "General Preambles for Trades 2017" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates.		
8	1	117	SUPPLEMENTARY PREAMBLES		
8	1	117	Damage to existing finishes		
			The Contractor will be held responsible for all damage however caused to existing finishes and fittings, etc. and he must make good all damage at his own expense to the approval of the Principal Agent. Breaking down, demolition and alteration activities and tasks, hacking off of existing plaster, etc. is to be executed with care so as to prevent damage to remaining floor and wall surfaces and finishes (where these are to be retained). Tenders will be deemed to include allowance for any necessary protection of existing surfaces and structures as may be necessary to effect the above, as the cost of repairing damage to existing surfaces and structures will be solely for the Contractors account		
8	1	117	Responsibility for site		
8	1	118			
			The Contractor is to note that upon possession of the site by himself, and extending until practical completion is achieved, he is solely responsible for the site, site security, general upkeep and cleaning of the site and all other responsibilities in maintaining a construction site in conformance with but not limited to, the Construction Regulations 2014, all local by-laws, all user client regulations, and all Client regulations and procedures. Tenderers are therefore urged to study all available material and to investigate the site fully and areas contiguous to the site, in order to determine the range and extent of responsibility. No additional monetary and/or time claims will be entertained in respect of the above		
8	1	118	REMOVAL OF EXISTING WORK		
8	1	118	Taking down and removing rainwater goods:		
			Half round eaves gutter and gutter brackets fixed to fascia board		
8	1	118	1	rafter ends.	m 5
8	1	118	2	Rainwater downpipes and fittings	m 3

8	1	118		Sundries		
8	1	118	3	Hacking off all loose existing plaster and preparation for the new plaster.	m2	10
8	1	118	4	Hacking off all damaged existing screed and preparation for the new screed.	m2	10
8	1	118	5	Prepare and finish screed in some patches.	m2	3
8	2	119		SECTION.8		
8	2	119		BILL No. 2		
8	2	119		WATERPROOFING		
8	2	119		The Tenderer is referred to the relevant Clauses in the separate Supplementary Preambles hereunder and Department of Public Works PW371 document that can be downloaded from the Department of Public Works documents .		
8	2	119		The Tenderer is referred to the relevant Clauses in the separate Supplementary Preambles hereunder and Department of Public Works PW371 document that can be downloaded from the Department of Public Works documents .		
8	2	119		MODEL PREAMBLES		
8	2	119		The tenderer is referred to the "General Preambles for Trades 2017" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates.		
8	2	119		JOINT SEALANTS ETC		
8	2	119		Clear Neutral silicone sealant:		
8	2	119	1	In joint sealing and pointing all round external window and door frames.	m	10
8	2	119		Two-part grey polysulphide sealing compound including backing cord, bond breaker, primer, etc		
8	2	119	2	10 x 12mm In movement joints in floors or walls including raking out expansion joint filler as necessary (Provisional).	m	6
8	3	120		SECTION.8		
8	3	120		BILL No.3		
8	3	120		CARPENTRY & JOINERY		
8	3	120		The Tenderer is referred to the relevant Clauses in the separate Supplementary Preambles hereunder and Department of Public Works PW371 document that can be downloaded from the Department of Public Works documents .		
8	3	120		MODEL PREAMBLES		
8	3	120		The tenderer is referred to the "General Preambles for Trades 2017" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates.		
8	3	120		SUPPLEMENTARY PREAMBLES		
8	3	120		FIXING		
8	3	120		All nailing of timber roof rafters, purlins, etc shall be done with galvanised nails. In coastal areas, copper, aluminium or stainless steel nails shall be used.		
8	3	120		Sundries:		
8	3	120	1	TRI FIX or equal approved hurricane clip fixed using 10 x 32mm galvanised clout nails (Provisional).	No	20
8	3	120		EAVES, VERGES, ETC		
8	3	120		"Everite Nutec" or equal approved fibre cement		
8	3	120	2	12 x 225mm Fascia board drilled and brass screwed to rafter feet including galvanised steel H-profile jointing strips, etc.	m	10
8	3	120	3	85 x 275 x 6mm Barge board drilled and brass screwed to purlin ends including galvanised steel H-profile jointing strips, screws, holes, etc.	m	8
8	4	121		SECTION.8		
8	4	121		BILL No.4		
8	4	121		PLASTERING		
8	4	121		The Tenderer is referred to the relevant Clauses in the separate Supplementary Preambles hereunder and Department of Public Works PW371 document that can be downloaded from the Department of Public Works documents .		
8	4	121		MODEL PREAMBLES		
8	4	121		The tenderer is referred to the "General Preambles for Trades 2017" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates.		
8	4	121		SCREEDS		
8	4	121	1	Untinted granolithic, on concrete:	m2	8
8	4	121		30mm Thick on floors and landings.		
8	4	121		INTERNAL AND EXTERNAL PLASTER		
8	4	121		One coat cement plaster steel trowelled on brickwork.		
8	4	121	2	On walls.	m2	10
8	4	121	3	On narrow widths.	m2	1
8	5	122		SECTION.8		

8	5	122	BILL No.5			
8	5	122	PLUMBING AND DRAINAGE (PROVISIONAL)			
			The Tenderer is referred to the relevant Clauses in the separate Supplementary Preambles hereunder and Department of Public Works PW371 document that can be downloaded from the Department of Public Works documents .			
8	5	122	MODEL PREAMBLES			
8	5	122	The tenderer is referred to the "General Preambles for Trades 2017" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates.			
8	5	122	RAINWATER DISPOSAL:			
8	5	122	Watertite or equal approved Aluminium Gutters and Downpipes:			
8	5	122	1	125 x 85 x 0.6mm Ogee domestic gutters including gutter brackets at 600mm centres.	m	5
8	5	122	2	Extra over eaves gutter for stopped end.	No	2
8	5	122	3	Extra over eaves gutter for outlet for 100 x 75mm aluminium downpipe.	No	2
				100 x 75 x 0.6mm rectangular fluted downpipes fixed to wall with and including proprietary holderbats to 5000L rainwater tanks (elsewhere measured).	m	3
8	5	122	4		m	3
8	5	122	5	Extra over rainwater downpipe for bends.	No	1
8	6	123	SECTION.8			
8	6	123	BILL No.6			
8	6	123	PAINTWORK			
			The Tenderer is referred to the relevant Clauses in the separate Supplementary Preambles hereunder and Department of Public Works PW371 document that can be downloaded from the Department of Public Works documents .			
8	6	123	MODEL PREAMBLES			
8	6	123	The tenderer is referred to the "General Preambles for Trades 2017" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates.			
8	6	123	SUPPLEMENTARY PREAMBLES			
8	6	123	Trade Names			
8	6	123	Where trade names are specified it will read "or equal approved"			
8	6	123	PAINTWORK ETC TO NEW WORK			
8	6	123	ON FLOATED PLASTER SURFACES			
			Prepare surfaces and remove all loose material, apply one coat alkaline resistant primer, one universal undercoat two coats eggshell enamel paint on:			
8	6	123	1	Interior walls.	m2	76
8	6	123	ON WOOD			
			Stop, sand down and prepare wood surfaces and apply one coat wood primer, one undercoat and two coats eggshell enamel paint as per Plascon or equal approved:			
8	6	124	2	On doors	m2	8
8	6	124	3	On door frames.	m	8
8	6	124	Prepare and apply two coats carbolenium on:			
8	6	124	4	On exposed timbers.	m2	12
8	6	124	ON FIBRE-CEMENT			
			Prepare and apply one coat zinc chromate to nail heads and H-spline strips, one universal undercoat, stop and apply two finishing coats of eggshell enamel on:			
8	6	124	5	On fascias and barge boards.	m	20
8	6	124	ON SCREEDED FLOORS			
			Prepare surfaces and remove all loose material, apply two coats grey epoxy paint on:			
8	6	124	6	On Floors	m2	12
8	7	125	1	Alterations	Page	118
8	7	125	2	Waterproofing	Page	119
8	7	125	3	Carpentry and Joinery	Page	120
8	7	125	4	Plastering	Page	121
8	7	125	5	Rainwater Goods	Page	122
8	7	125	6	Painting	Page	124
			MINOR REPAIRS AND RENOVATIONS TO EXISTING FEMALE ABLUTION BLOCK			
9	1	126	SECTION.9			
9	1	126	BILL No.1			
9	1	126	ALTERATIONS (PROVISIONAL)			
			The Tenderer is referred to the relevant Clauses in the separate Supplementary Preambles hereunder and Department of Public Works PW371 document that can be downloaded from the Department of Public Works documents .			
9	1	126	MODEL PREAMBLES			

			The tenderer is referred to the "General Preambles for Trades 2017" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates.			
9	1	126	SUPPLEMENTARY PREAMBLES			
9	1	126	Damage to existing finishes			
			The Contractor will be held responsible for all damage however caused to existing finishes and fittings, etc. and he must make good all damage at his own expense to the approval of the Principal Agent. Breaking down, demolition and alteration activities and tasks, hacking off of existing plaster, etc. is to be executed with care so as to prevent damage to remaining floor and wall surfaces and finishes (where these are to be retained). Tenders will be deemed to include allowance for any necessary protection of existing surfaces and structures as may be necessary to effect the above, as the cost of repairing damage to existing surfaces and structures will be solely for the Contractors account			
9	1	126	Responsibility for site			
			The Contractor is to note that upon possession of the site by himself, and extending until practical completion is achieved, he is solely responsible for the site, site security, general upkeep and cleaning of the site and all other responsibilities in maintaining a construction site in conformance with but not limited to, the Construction Regulations 2014, all local by-laws, all user client regulations, and all Client regulations and procedures. Tenderers are therefore urged to study all available material and to investigate the site fully and areas contiguous to the site, in order to determine the range and extent of responsibility. No additional monetary and/or time claims will be entertained in respect of the above			
9	1	127	REMOVAL OF EXISTING WORK			
9	1	127	Taking down and removing rainwater goods:			
9	1	127	1	Half round eaves gutter and gutter brackets fixed to fascia board rafter ends.	m	8
9	1	127	2	Rainwater downpipes and fittings	m	6
9	1	127	Sundries			
9	1	127	3	Hacking off all loose existing plaster and preparation for the new plaster.	m2	15
9	1	127	4	Hacking off all damaged existing screed and preparation for the new screed.	m2	10
9	1	127	5	Prepare and finish screed in some patches.	m2	5
9	2	128	SECTION.9			
9	2	128	BILL No.2			
9	2	128	WATERPROOFING			
			The Tenderer is referred to the relevant Clauses in the separate Supplementary Preambles hereunder and Department of Public Works PW371 document that can be downloaded from the Department of Public Works documents .			
9	2	128				
			The Tenderer is referred to the relevant Clauses in the separate Supplementary Preambles hereunder and Department of Public Works PW371 document that can be downloaded from the Department of Public Works documents .			
9	2	128	MODEL PREAMBLES			
9	2	128	The tenderer is referred to the "General Preambles for Trades 2017" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates.			
9	2	128	JOINT SEALANTS ETC			
9	2	128	Clear Neutral silicone sealant:			
9	2	128	1	In joint sealing and pointing all round external window and door frames.	m	10
9	2	128	Two-part grey polysulphide sealing compound including backing cord, bond breaker, primer, etc			
9	2	128	2	10 x 12mm In movement joints in floors or walls including raking out expansion joint filler as necessary (Provisional).	m	25
9	3	129	SECTION.9			
9	3	129	BILL No.3			
9	3	129	CARPENTRY & JOINERY			
			The Tenderer is referred to the relevant Clauses in the separate Supplementary Preambles hereunder and Department of Public Works PW371 document that can be downloaded from the Department of Public Works documents .			
9	3	129	MODEL PREAMBLES			
9	3	129				

			The tenderer is referred to the "General Preambles for Trades 2017" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates.			
9	3	129	SUPPLEMENTARY PREAMBLES			
9	3	129	FIXING			
			All nailing of timber roof rafters, purlins, etc shall be done with galvanised nails. In coastal areas, copper, aluminium or stainless steel nails shall be used.			
9	3	129	CARPENTRY			
9	3	129	Sundries:			
			TRI FIX or equal approved hurricane clip fixed using 10 x 32mm galvanised clout nails (Provisional).			
9	3	129	1	EAVES, VERGES, ETC	No	20
9	3	129	"Everite Nutec" or equal approved fibre cement 12 x 225mm Fascia board drilled and brass screwed to rafter feet including galvanised steel H-profile jointing strips, etc.			
9	3	129	2		m	14
			85 x 275 x 6mm Barge board drilled and brass screwed to purlin ends including galvanised steel H-profile jointing strips, screws, holes, etc.			
9	3	130	3		m	8
9	4	131	SECTION.9			
9	4	131	BILL No.4			
9	4	131	PLASTERING			
			The Tenderer is referred to the relevant Clauses in the separate Supplementary Preambles hereunder and Department of Public Works PW371 document that can be downloaded from the Department of Public Works documents .			
9	4	131	MODEL PREAMBLES			
			The tenderer is referred to the "General Preambles for Trades 2017" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates.			
9	4	131	SCREEDS			
9	4	131	Untinted granolithic, on concrete:			
9	4	131	1	30mm Thick on floors and landings.	m2	10
9	4	131	INTERNAL AND EXTERNAL PLASTER			
9	4	131	One coat cement plaster steel trowelled on brickwork.			
9	4	131	2	On walls.	m2	10
9	4	131	3	On narrow widths.	m2	1
9	5	132	SECTION.9			
9	5	132	BILL No.5			
9	5	132	PLUMBING AND DRAINAGE (PROVISIONAL)			
			The Tenderer is referred to the relevant Clauses in the separate Supplementary Preambles hereunder and Department of Public Works PW371 document that can be downloaded from the Department of Public Works documents .			
9	5	132	MODEL PREAMBLES			
			The tenderer is referred to the "General Preambles for Trades 2017" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates.			
9	5	132	RAINWATER DISPOSAL:			
9	5	132	Watertite or equal approved Aluminium Gutters and Downpipes:			
9	5	132	1	125 x 85 x 0.6mm Ogee domestic gutters including gutter brackets at 600mm centres.	m	7
9	5	132	2	Extra over eaves gutter for stopped end.	No	2
			Extra over eaves gutter for outlet for 100 x 75mm aluminium downpipe.			
9	5	132	3		No	1
			100 x 75 x 0.6mm rectangular fluted downpipes fixed to wall with and including proprietary holderbats to 5000L rainwater tanks (elsewhere measured).			
9	5	132	4		m	3
9	5	132	5	Extra over rainwater downpipe for bends.	No	1
9	6	133	SECTION.9			
9	6	133	BILL No.6			
9	6	133	PAINTWORK			
			The Tenderer is referred to the relevant Clauses in the separate Supplementary Preambles hereunder and Department of Public Works PW371 document that can be downloaded from the Department of Public Works documents .			
9	6	133	MODEL PREAMBLES			
			The tenderer is referred to the "General Preambles for Trades 2017" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates.			
9	6	133	SUPPLEMENTARY PREAMBLES			
9	6	133	Trade Names			

9	6	133	Where trade names are specified it will read "or equal approved"		
9	6	133	PAINTWORK ETC TO NEW WORK		
9	6	133	ON FLOATED PLASTER SURFACES		
			Prepare surfaces and remove all loose material, apply one coat alkaline resistant primer, one universal undercoat two coats eggshell enamel paint on:		
9	6	133	1 Interior walls.	m2	159
9	6	133	Prepare and apply two coats carbolonium on:		
9	6	133	2 On exposed timbers.	m2	32
9	6	133	ON FIBRE-CEMENT		
			Prepare and apply one coat zinc chromate to nail heads and H-spline strips, one universal undercoat, stop and apply two finishing coats of eggshell enamel on:		
9	6	134	3 On fascias and barge boards.	m	25
9	6	134	ON SCREEDED FLOORS		
			Prepare surfaces and remove all loose material, apply two coats grey epoxy paint on:		
9	6	134	4 On Floors	m2	18
9	6	134			
9	7	135	1 Alterations	Page	127
9	7	135	2 Waterproofing	Page	128
9	7	135	3 Carpentry and Joinery	Page	130
9	7	135	4 Plastering	Page	131
9	7	135	5 Rainwater Goods	Page	132
9	7	135	6 Painting	Page	134
			MINOR REPAIRS AND RENOVATIONS TO EXISTING MALE ABLUTION BLOCK		
10	1	136	SECTION.10		
10	1	136	BILL No.1		
10	1	136	ALTERATIONS (PROVISIONAL)		
			The Tenderer is referred to the relevant Clauses in the separate Supplementary Preambles hereunder and Department of Public Works PW371 document that can be downloaded from the Department of Public Works documents .		
10	1	136	MODEL PREAMBLES		
			The tenderer is referred to the "General Preambles for Trades 2017" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates.		
10	1	136	SUPPLEMENTARY PREAMBLES		
10	1	136	Damage to existing finishes		
			The Contractor will be held responsible for all damage however caused to existing finishes and fittings, etc. and he must make good all damage at his own expense to the approval of the Principal Agent. Breaking down, demolition and alteration activities and tasks, hacking off of exiting plaster, etc. is to be executed with care so as to prevent damage to remaining floor and wall surfaces and finishes (where these are to be retained). Tenders will be deemed to include allowance for any necessary protection of exiting surfaces and structures as may be necessary to effect the above, as the cost of repairing damage to existing surfaces and structures will be solely for the Contractors account		
10	1	136	Responsibility for site		
10	1	137			
			The Contractor is to note that upon possession of the site by himself, and extending until practical completion is achieved, he is solely responsible for the site, site security, general upkeep and cleaning of the site and all other responsibilities in maintaining a construction site in conformance with but not limited to, the Construction Regulations 2014, all local by-laws, all user client regulations, and all Client regulations and procedures. Tenderers are therefore urged to study all available material and to investigate the site fully and areas contiguous to the site, in order to determine the range and extent of responsibility. No additional monetary and/or time claims will be entertained in respect of the above		
10	1	137	REMOVAL OF EXISTING WORK		
10	1	137	Taking down and removing rainwater goods:		
			Half round eaves gutter and gutter brackets fixed to fascia board		
10	1	137	1 rafter ends.	m	5
10	1	137	2 Rainwater downpipes and fittings	m	3
10	1	137	Sundries		
			Hacking off all loose existing plaster and preparation for the new plaster.		
10	1	137	3	m2	15
			Hacking off all damaged existing screed and preparation for the new screed.		
10	1	137	4	m2	5
10	1	137	5 Prepare and finish screed in some patches.	m2	10
10	2	138	SECTION.10		

10	2	138	BILL No.2			
10	2	138	CARPENTRY & JOINERY			
			The Tenderer is referred to the relevant Clauses in the separate Supplementary Preambles hereunder and Department of Public Works PW371 document that can be downloaded from the Department of Public Works documents .			
10	2	138	MODEL PREAMBLES			
10	2	138	The tenderer is referred to the "General Preambles for Trades 2017" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates.			
10	2	138	SUPPLEMENTARY PREAMBLES			
10	2	138	FIXING			
			All nailing of timber roof rafters, purlins, etc shall be done with galvanised nails. In coastal areas, copper, aluminium or stainless steel nails shall be used.			
10	2	138	CARPENTRY			
10	2	138	Sundries:			
10	2	138	1	TRI FIX or equal approved hurricane clip fixed using 10 x 32mm galvanised clout nails (Provisional).	No	20
10	2	138	EAVES, VERGES, ETC			
10	2	138	"Everite Nutec" or equal approved fibre cement			
10	2	138	2	12 x 225mm Fascia board drilled and brass screwed to rafter feet including galvanised steel H-profile jointing strips, etc.	m	10
10	2	139	3	85 x 275 x 6mm Barge board drilled and brass screwed to purlin ends including galvanised steel H-profile jointing strips, screws, holes, etc.	m	8
10	3	140	SECTION.10			
10	3	140	BILL No. 3			
10	3	140	WATERPROOFING			
			The Tenderer is referred to the relevant Clauses in the separate Supplementary Preambles hereunder and Department of Public Works PW371 document that can be downloaded from the Department of Public Works documents .			
10	3	140	The Tenderer is referred to the relevant Clauses in the separate Supplementary Preambles hereunder and Department of Public Works PW371 document that can be downloaded from the Department of Public Works documents .			
10	3	140	MODEL PREAMBLES			
			The tenderer is referred to the "General Preambles for Trades 2017" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates.			
10	3	140	JOINT SEALANTS ETC			
10	3	140	Clear Neutral silicone sealant:			
10	3	140	1	In joint sealing and pointing all round external window and door frames.	m	5
10	3	140	Two-part grey polysulphide sealing compound including backing cord, bond breaker, primer, etc			
10	3	140	2	10 x 12mm In movement joints in floors or walls including raking out expansion joint filler as necessary (Provisional).	m	10
10	4	141	SECTION.10			
10	4	141	BILL No.4			
10	4	141	PLASTERING			
			The Tenderer is referred to the relevant Clauses in the separate Supplementary Preambles hereunder and Department of Public Works PW371 document that can be downloaded from the Department of Public Works documents .			
10	4	141	MODEL PREAMBLES			
			The tenderer is referred to the "General Preambles for Trades 2017" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates.			
10	4	141	SCREEDS			
10	4	141	1	Untinted granolithic, on concrete:	m2	10
10	4	141	30mm Thick on floors and landings.			
10	4	141	INTERNAL AND EXTERNAL PLASTER			
10	4	141	One coat cement plaster steel trowelled on brickwork.			
10	4	141	2	On walls.	m2	5
10	4	141	3	On narrow widths.	m2	1
10	5	142	SECTION.10			
10	5	142	BILL No.5			
10	5	142	PLUMBING AND DRAINAGE (PROVISIONAL)			

			The Tenderer is referred to the relevant Clauses in the separate Supplementary Preambles hereunder and Department of Public Works PW371 document that can be downloaded from the Department of Public Works documents .			
10	5	142				
10	5	142	MODEL PREAMBLES			
			The tenderer is referred to the "General Preambles for Trades 2017" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates.			
10	5	142				
10	5	142	RAINWATER DISPOSAL:			
10	5	142	Watertite or equal approved Aluminium Gutters and Downpipes:			
			125 x 85 x 0.6mm Ogee domestic gutters including gutter brackets at 600mm centres.			
10	5	142	1	m	5	
10	5	142	2	No	2	
			Extra over eaves gutter for outlet for 100 x 75mm aluminium downpipe.			
10	5	142	3	No	1	
			100 x 75 x 0.6mm rectangular fluted downpipes fixed to wall with and including proprietary holderbats to 5000L rainwater tanks (elsewhere measured).			
10	5	142	4	m	3	
10	5	142	5	No	1	
10	6	143	SECTION.10			
10	6	143	BILL No.6			
10	6	143	PAINTWORK			
			The Tenderer is referred to the relevant Clauses in the separate Supplementary Preambles hereunder and Department of Public Works PW371 document that can be downloaded from the Department of Public Works documents .			
10	6	143	MODEL PREAMBLES			
			The tenderer is referred to the "General Preambles for Trades 2017" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates.			
10	6	143	SUPPLEMENTARY PREAMBLES			
10	6	143	Trade Names			
10	6	143	Where trade names are specified it will read "or equal approved"			
10	6	143	PAINTWORK ETC TO NEW WORK			
10	6	143	ON FLOATED PLASTER SURFACES			
			Prepare surfaces and remove all loose material, apply one coat alkaline resistant primer, one universal undercoat two coats eggshell enamel paint on:			
10	6	143				
10	6	143	1	m2	96	
10	6	143	ON WOOD			
10	6	143	Prepare and apply two coats carbolonium on:			
10	6	143	2	m2	12	
10	6	144	ON FIBRE-CEMENT			
			Prepare and apply one coat zinc chromate to nail heads and H-spline strips, one universal undercoat, stop and apply two finishing coats of eggshell enamel on:			
10	6	144				
10	6	144	3	m	18	
10	6	144	ON SCREEDED FLOORS			
			Prepare surfaces and remove all loose material, apply two coats grey epoxy paint on:			
10	6	144				
10	6	144	4	m2	18	
10	7	145	1	Page	137	
10	7	145	2	Page	139	
10	7	145	3	Page	140	
10	7	145	4	Page	141	
10	7	145	5	Page	142	
10	7	145	6	Page	144	
11	1	146	SECTION.11			
11	1	146	BILL No.1			
11	1	146	THE FOLLOWING IN PLATFORMS, ETC.			
11	1	146	STORMWATER APRONS			
			The Tenderer is referred to the relevant Clauses in the separate Supplementary Preambles hereunder and Department of Public Works PW371 document that can be downloaded from the Department of Public Works documents .			
11	1	146	MODEL PREAMBLES			
			The tenderer is referred to the "General Preambles for Trades 2017" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates.			
11	1	146	Breaking up and removin existing works:			

11	1	146	1	Allow for clearing the area of the site to be built upon of all grass, weeds, shrubs, trees with trunks not exceeding 200mm girth, debris, etc., including grubbing up all roots, scoffing up as required and cart away all vegetation and debris.	m2	279
11	1	146	2	Stripping average 200mm thick layer of topsoil and stockpiling on site.	m2	279
11	1	146		Open face excavation not exceeding 2m deep:		
11	1	146	3	Excavate to cut in open face, not exceeding 2m deep to reduce levels and grade to fill and compact to 93% mod AASHTO density at optimum moisture content.	m3	110
11	1	146		Extra over all excavations for carting away:		
11	1	146	4	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor.	m3	110
11	1	147		Earth filling from excavated material		
				Dig, load and remove filling selected from spoil heaps on site and deposit as filling in platforms including spreading and compacting to cambers and falls in layers not exceeding 150 mm thick to a minimum of 95% Modified AASHTO dry density.	m3	110
11	1	147	5	Surface Preparation:		
				Trim and level off surface of ground (excavated or filled under this Contract) including excavating or filling, ripping and scarifying as necessary and compacting the whole area for a depth of 300mm to a density of at least 90% Mod. AASHTO maximum density, part to falls.	m2	279
11	1	147	6	Prescribed density tests on filling:		
11	1	147	7	Modified AASHTO Density test.	No	10
11	2	148		SECTION.11		
11	2	148		BILL No.2		
11	2	148		THE FOLLOWING IN WALKWAYS		
				The Tenderer is referred to the relevant Clauses in the separate Supplementary Preambles hereunder and Department of Public Works PW371 document that can be downloaded from the Department of Public Works documents .		
11	2	148		MODEL PREAMBLES		
				The tenderer is referred to the "General Preambles for Trades 2017" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates.		
11	2	148		SUPPLEMENTARY PREAMBLES		
11	2	148		Excavation not exceeding 2m deep		
11	2	148	1	Reducing levels and depositing excavated material in prescribed stock piles on site.	m3	35
				Extra over all excavations for loading, carting and dumping surplus excavated material (no allowance made for increase in bulk):		
11	2	148	2	Off site to a dumping site to be found by the Contractor.	m3	35
11	2	148		Filling supplied by the contractor under walkways		
11	2	148	3	G7 Base course material compacted to 98% Mod AASHTO density	m3	35
11	2	148		Prescribed density tests on filling:		
11	2	148	4	In-situ dry density test.	No	5
				Approved brand of anti-termite soil poison applied by a Registered Pest Control Company and guaranteed against termite infestation for ten years:		
11	2	149		Treat filling under paving with 'Chlordane Heptachlor Aldrin' or equal approved.	m2	70
11	2	149	5	CONCRETE		
11	2	149		Cement Concrete (20MPa) In		
11	2	149	6	Concrete paving casted into panels.	m3	70
11	2	149		Finishing top surfaces of concrete smooth with a wood float:		
				Float top of concrete with a wood float and finish with a brushed non-skid surface whilst concrete is still green with the addition of 2.1 sand and cement as necessary.	m2	70
11	2	149	7	Rough Formwork To		
11	2	149	8	Edges, risers, ends and reveals not exceeding 300mm high or wide.	m2	90
11	2	149		Fabric reinforcement:		
11	2	149	9	REF. 193 fabric reinforcement in concrete surface beds, slabs, etc.	m2	70
11	3	150		SECTION.11		
11	3	150		BILL No.3		
11	3	150		THE FOLLOWING IN CONCRETE RAMPS, ETC.		
				The Tenderer is referred to the relevant Clauses in the separate Supplementary Preambles hereunder and Department of Public Works PW371 document that can be downloaded from the Department of Public Works documents .		
11	3	150				

11	3	150	MODEL PREAMBLES The tenderer is referred to the "General Preambles for Trades 2017" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates.			
11	3	150	Excavation not exceeding 2m deep			
11	3	150	1	Reducing levels and depositing excavated material in prescribed stock piles on site.	m3	12
11	3	150	Extra over all excavations for loading, carting and dumping surplus excavated material (no allowance made for increase in bulk):			
11	3	150	2	Off site to a dumping site to be found by the Contractor.	m3	12
11	3	150	Filling supplied by the contractor under floors, aprons, channels etc			
11	3	150	3	G7 Base course material compacted to 98% Mod AASHTO density	m3	12
11	3	150	Coarse river sand filling supplied by the contractor:			
11	3	150	4	Under floors etc.	m3	4
11	3	151	Compaction of surfaces: Compaction of ground surface under floors etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 90% Mod AASHTO density.			
11	3	151	5	Prescribed density tests on filling:	m2	12
11	3	151	6	In-situ dry density test.	No	3
11	3	151	Reinforced 20Mpa/19mm Concrete:			
11	3	151	7	Surface beds cast in panels on waterproofing.	m3	1
11	3	151	Finishing top surfaces of concrete smooth with a wood float:			
11	3	151	8	Surface beds cast in panels on waterproofing.	m2	12
11	3	151	Test blocks: Making and testing of 150x150x150mm concrete strength test cubes (Provisional).			
11	3	151	9	Expansion joints with bitumen impregnated softboard between vertical concrete or brick surfaces:	No	2
11	3	151	12mm Joints not exceeding 300mm high.			
11	3	151	10	Two-part grey polysulphide sealing compound including backing cord, bond breaker, primer, etc	m	6
11	3	151	10 x 12mm In movement joints in floors or walls including raking out expansion joint filler as necessary.			
11	3	151	11	Fabric reinforcement:	m	6
11	3	151	12	REF. 193 fabric reinforcement in concrete surface beds, slabs, etc.	m2	12
11	3	152	BRICKWORK IN FOUNDATIONS.			
11	3	152	Brickwork of NFX bricks (14 MPa nominal compressive strength) in Class I mortar (Cement to be 42.5N all-purpose cement):			
11	3	152	13	One brick walls.	m2	12
11	3	152	FACE BRICKWORK. Face bricks pointed with 6mm square recessed horizontal and vertical joints:			
11	3	152	14	Extra over brickwork for face brickwork.	m2	12
11	4	153	SECTION.11			
11	4	153	BILL No.4			
11	4	153	THE FOLLOWING IN PLATFORMS, ETC.			
11	4	153	STORMWATER APRONS			
11	4	153	The Tenderer is referred to the relevant Clauses in the separate Supplementary Preambles hereunder and Department of Public Works PW371 document that can be downloaded from the Department of Public Works documents .			
11	4	153	MODEL PREAMBLES The tenderer is referred to the "General Preambles for Trades 2017" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates.			
11	4	153	STORMWATER APRONS			
11	4	153	Excavation not exceeding 2m deep			
11	4	153	1	Reducing levels and depositing excavated material in prescribed stock piles on site.	m3	75
11	4	153	Extra over all excavations for loading, carting and dumping surplus excavated material (no allowance made for increase in bulk):			
11	4	153	2	Off site to a dumping site to be found by the Contractor.	m3	150
11	4	153	Filling supplied by the contractor under floors, aprons, etc			
11	4	153	3	G7 Base course material compacted to 98% Mod AASHTO density	m3	35
11	4	154	Coarse river sand filling supplied by the contractor:			
11	4	154	4	Under floors etc.	m3	5
11	4	154	Compaction of surfaces:			

				Compaction of ground surface under floors etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 90% Mod		
11	4	154	5	AASHTO density.	m2	150
11	4	154		Prescribed density tests on filling:		
11	4	154	6	In-situ dry density test.	No	5
11	4	154		Reinforced 25Mpa/19mm Concrete:		
11	4	154	7	Concrete casted in panels on waterproofing.	m3	9
11	4	154	8	Edge thickening	m3	3
11	4	154		Finishing top surfaces of concrete smooth with a wood float:		
11	4	154	9	Surface beds, slabs, etc to falls and currents.	m2	75
11	4	154		Test blocks:		
11	4	154	10	Making and testing of 150x150x150mm concrete strength test cubes (Provisional).	No	3
11	4	154		Expansion joints with bitumen impregnated softboard between vertical concrete or brick surfaces:		
11	4	154	11	12mm Joints not exceeding 300mm high.	m	150
11	4	154		Two-part grey polysulphide sealing compound including backing cord, bond breaker, primer, etc		
11	4	154	12	10 x 12mm In movement joints in floors or walls including raking out expansion joint filler as necessary.	m	150
11	4	155		Fabric reinforcement:		
11	4	155	13	REF. 193 fabric reinforcement in concrete surface beds, slabs, etc.	m2	75
11	4	156		STORMWATER CHANNELS		
11	4	156		Excavation not exceeding 2m deep		
11	4	156	14	Reducing levels and depositing excavated material in prescribed stock piles on site.	m3	50
11	4	156		Extra over all excavations for loading, carting and dumping surplus excavated material (no allowance made for increase in bulk):		
11	4	156	15	Off site to a dumping site to be found by the Contractor.	m3	50
11	4	156		Filling supplied by the contractor under channels		
11	4	156	16	G7 Base course material compacted to 98% Mod AASHTO density Cast in-situ Ref 193 mesh reinforced concrete (25MPa) open stormwater channels having V-shaped waterway formed in top, finished smooth on all exposed surfaces in 3:1 cement plaster trowelled smooth and with angles rounded, cast in suitable lengths not exceeding 2m, including all formwork, moulds, shallow excavation, filling and ramming, laying to falls, bedding and pointing in 3:1 cement mortar. Concrete apron to be tinted, colour to be specified by the Engineer.	m3	10
11	4	156		700 x 80mm thick V' channel 150mm deep in centre laid in position in ground not exceeding 2000mm sections including all formwork, reinforcement, expansion joints, smooth finishing to top of concrete surface etc.	m	150
11	4	156	17	Extra for 700mm angle	No	12
11	4	156		Extra for forming 200mm thick 700mm wide spreader with 200mm high edges fanning out to 1 960mm width at furthest end with hard burnt bricks pitching cast in ass diffusers including working off concrete to a smooth finish and draining onto natural ground with 150 - 200mm diameter loose stones.	No	3
11	5	157	19	SECTION.11		
11	5	157		BILL No.5		
11	5	157		THE FOLLOWING IN RAINWATER TANKS AND STANDS		
11	5	157		The Tenderer is referred to the relevant Clauses in the separate Supplementary Preambles hereunder and Department of Public Works PW371 document that can be downloaded from the Department of Public Works documents .		
11	5	157		MODEL PREAMBLES		
11	5	157		The tenderer is referred to the "General Preambles for Trades 2017" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates.		
11	5	157		Excavation in earth not exceeding 2m deep:		
11	5	157	1	Trenches.	m3	20
11	5	157		Extra over all excavations for carting away:		
11	5	157	2	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the Contractor .	m3	11
11	5	157		Risk of collapse of excavations:		
11	5	157	3	Sides of trench and hole excavations not exceeding 1,5m deep.	m2	160
11	5	157		Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 93% MOD AASHTO density:		
11	5	157	4	Backfilling to trenches, holes, etc.	m3	9

11	5	158		Filling supplied by the contractor under strip footing, floors etc.		
11	5	158	5	G7 Base course material compacted to 98% Mod AASHTO density	m3	40
11	5	158		Compaction of surfaces		
				Compaction of ground surface under floors, etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 90% Mod		
11	5	158	6	AASHTO density.	m2	40
11	5	158		25 MPa/19mm Concrete:		
11	5	158	7	Concrete raft slab on waterproofing.	m3	4
11	5	158		Test blocks:		
				Making and testing of 150x150x150mm concrete strength test cubes (Provisional).	No	10
11	5	158	8	Finishing top surfaces of concrete smooth with a steel trowel including adding additional cement while concrete is still green to attain a smooth, hard surface:		
11	5	158		Rough Formwork to Sides:		
11	5	158	9	Edges, risers, ends and reveals not exceeding 300mm high.	m	80
11	5	158		Smooth Formwork to Sides:		
11	5	158	10	Edges, risers, ends and reveals exceeding 300mm high.	m2	80
11	5	158		Allens Meshco Square Mesh Fabric reinforcement:		
11	5	158	11	Type 617 fabric reinforcement in concrete slabs.	m2	40
11	5	158		BRICKWORK IN FOUNDATIONS.		
				Brickwork of NFX bricks (14 MPa nominal compressive strength) in Class I mortar (Cement to be 42.5N all-purpose cement):		
11	5	159	12	One brick walls.	m2	80
11	5	159		Brickwork reinforcement:		
11	5	159	13	230mm Wide reinforcement built in horizontally.	m	16
11	5	159	14	Ditto but in foundations.	m	16
11	5	159		Plastic water tanks etc:		
				5000 Litre Roto molded or equal approved plastic tank complete with lid, 15mm brass bibtap with handle suitable for locking and 4 No. galvanised stay wires 2.5m each long connected to tank, with and including 4 No. eye bolts cast into concrete.	No	10
				2500 Litre Roto molded or equal approved plastic tank complete with lid, 15mm brass bibtap with handle suitable for locking and 4 No. galvanised stay wires 2.5m each long connected to tank, with and including 4 No. eye bolts cast into concrete.	No	3
11	5	159	16	Hole top of tank for 100mm pipe.	No	13
11	6	160		SECTION.11		
11	6	160		BILL No.6		
11	6	160		THE FOLLOWING IN SECURITY FENCING, ETC		
11	6	160		Site clearance		
				Allow for clearing site for the width of 1 000 mm where fencing is to be erected including removing trees, shrubs etc. not exceeding 200 mm girth, grubbing up roots and roughly levelling.		
11	6	160	1	Straining wires, fencing and razor wire:	m2	400
11	6	160				
				Four strands of 4mm Class'A' galvanised straining wires secured to fencing posts with doubled 2 mm galvanised wire inserted through hole in post and turned a minimum of four turns around straining wire and attached to straining frame at one end with not less than four turns at the other end to straining bolts (elsewhere measured).	m	400
11	6	160	2	3 Strands of galvanised barbed wire tied to standards, posts and eye bolts	m	400
11	6	160	3			
				Fencing formed of 50 x 50 x 2.0mm diameter galvanised fencing 1 800mm high and fixed to each straining wire with 8 guage binding wire at 500mm centres including Y12 pegs at 900mm c/c between posts (straining wires elsewhere measured).	m	400
11	6	160	4	Posts for 1 800mm high security fence:		
11	6	160				
				60mm Diameter galvanised steel intermediate fencing post 1800mm long fitted with a pressed steel mushroom cap one end and 150 x 150 x 5 mm baseplate at bottom and embedded in and including 350 x 350 x 600 mm mass concrete (15 MPa) base including excavations.	No	130
11	6	160	5			
				100mm Ditto as corner post, fitted with two 50mm diameter galvanised steel stay set raking and with top end flattened and bolted through post, with post and stay both embedded in mass concrete (15 MPa) bases as last including excavations.	No	4
11	6	160	6			
				150mm Ditto as gate post 1 800mm long, fitted with two 50mm diameter galvanised steel stay set raking and with top end flattened and bolted through post, with post and stay both embedded in mass concrete (15 MPa) bases as last including excavations.	No	4
11	6	161	7			

11	6	161	8	12mm Diameter galvanised mild steel straining eye bolt with hook, threaded portion and two nuts and washers.	No	16		
11	6	161	9	Form 12mm diameter hole through fence post.	No	16		
11	6	161		Gates:				
				Security fence single gate, size 1 000 mm wide x 1 800 mm high, formed of 50 mm diameter nominal bore x 3,25 mm wall thickness hot dip galvanised mild steel pipe framing all round with mitred and welded angles and cross braces mullion and transome, scribed and welded into angles and at cross intersections, with two 50 mm diameter nominal bore x 3,25 mm wall thickness security posts each 600 mm long with one end welded to top rail of gate and closure plate to other end, the gate covered with 100 x 50 x 2,5 mm weld mesh with four straining wires as before described and with four 2,37 mm four point core diameter single "kampeon" wires with crimped droppers to security posts as before described; including three strands flat wrap razor barbed tape wire fixed as before described, leaf fitted with three 24 mm diameter x 300 mm long eyebolt hinges and stops including all holes, etc., welded or bolted to adjoining galvanised gatepost with and including 500 mm long approved chain spot welded to gate	No	1		
11	6	161	11	Two leafed vehicular swing gate. Size 5500mm x 1800mm high.	No	1		
11	6	161		PADLOCKS				
11	6	161	12	Supply 50 mm "Viro" Padlocks and Keys (or equal approved)	No	2		
11	7	162	1	Bulk Earthworks	Page	147		
11	7	162	2	Walkways and Pathways	Page	149		
11	7	162	3	Concrete Ramps	Page	152		
11	7	162	4	Channels and Aprons	Page	156		
11	7	162	5	Rainwater Tanks and Tankstands	Page	159		
11	7	162	6	Fencing	Page	161		
12	1	163		SECTION.12				
12	1	163		BILL No. 1				
12	1	163		PROVISIONAL SUMS				
12	1	163		SUPPLEMENTARY PREAMBLES				
				Tenderers are advised that no claim in respect of loss of profit or Preliminary charges based on the omission of these amounts will be considered and the said amounts will be omitted strictly without any financial compensation payable to the Contractor .				
12	1	163						
				Provisional sums and Budgetary allowances contained herein may be omitted or reduced at the Employer's discretion and the Contractor shall not be entitled to claim for any loss by way of reductions or omission of any discount, or percentage relating to Provisional amounts and Budgetary sums or any loss of profit related thereto.				
12	1	163						
12	1	163		BUDGETARY ALLOWANCES				
				The following budgetary allowances are for work to be executed at rates in the bills of quantities or to be agreed by the Principal agent:				
12	1	163		PROJECT SUPPORTING COMMITTEE				
12	1	163		Provide the sum of R 22 500,00 (Twenty Two Thousand Five Hundred Rands) for Project Supporting Committee (R750.00 allowance for				
12	1	163	1	each meeting attended by the member).	Item	1	22 500	22 500
12	1	163	2	Add: 5% Profit on above	Item	1		
12	1	163	3	Add: 5% Attendance on above	Item	1		
12	1	163		COMMUNITY LIASON OFFICER				
12	1	163		Provide the sum of R 51 000,00 (Fifty One Thousand Rands) for				
12	1	163	4	Community Liason Officer (R 8'500.00 per month).	Item	1	51 000	51 000
12	1	164	5	Add: 5% Profit on above	Item	1		
12	1	164	6	Add: 5% Attendance on above	Item	1		
12	1	164		ELECTRICAL INSTALLATION				
				Provide the sum of R 355 000,00 (Three Hundred and Fifty Five Thousand Rands) for Electrical Installation to the existing 5 Classroom				
12	1	164	7	Block with Office and Store and 2 Classroom Block.	Item	1	355 000	355 000
12	1	164	8	Add: 5% Profit on above	Item	1		
12	1	164	9	Add: 5% Attendance on above	Item	1		
12	2	165		SECTION 9				
12	2	165	1	Provisional Sums	Page	164		
13	1	166	1	PRELIMINARY AND GENERAL	Page	38		
13	1	166	2	HEALTH AND SAFETY REQUIREMENTS	Page	40		
13	1	166	3	DEMOLITIONS	Page	41		
13	1	166	4	PREFABRICATED STRUCTURES	Page	48		
13	1	166	5	REPAIRS AND RENOVATIONS TO EXISTING 5 CLASSROOM BLOCK	Page	77		
13	1	166	6	REPAIRS AND RENOVATIONS TO EXISTING 2 CLASSROOM BLOCK	Page	103		
13	1	166	7	MINOR REPAIRS AND RENOVATIONS TO EXISTING STAFF ABLUTIONS	Page	116		

13	1	166	8	MINOR REPAIRS AND RENOVATIONS TO EXISTING GRADE R ABLUTIONS	Page	125		
13	1	166	9	MINOR REPAIRS AND RENOVATIONS TO EXISTING FEMALE ABLUTIONS	Page	135		
13	1	166	10	MINOR REPAIRS AND RENOVATIONS TO EXISTING MALE ABLUTIONS	Page	145		
13	1	166	11	EXTERNAL WORKS	Page	162		
13	1	166	12	PROVISIONAL SUMS	Page	165		
13	1	166		SUB-TOTAL				
13	1	166		CONTINGENCIES				
				Provide the sum of R 330 000,00 (Three Hundred and Thirty Thousand Rands) for the Contingency, to be used on instruction by the Principal Agent.				
13	1	166			Item	1	330 000	330 000
13	1	166		SUB-TOTAL				
13	1	166		Add : Value Added Tax at the rate of 15%				