		GEM JUNIOR SECONDARY SCHOOL				
					Province - Cluster	
n O		Unit	Quantity	Rate	Amour	
	BILL NO. 1					
	<u>PRELIMINARIES</u>					
	<u>Disclaimer</u>					
	While the ASAQS aims to ensure that its publications represent best practice, the ASAQS does not accept or assume any liability or responsibility for any events or consequences thereof that derive from the use of the Preliminaries Master Bill. Such Master Bill is not exhaustive and is therefore only intended to provide general guidance to those who wish to make use of it. This publication is provided "as is" without warranty of any kind, either expressed or implied including but					
	without limitation to warranties of merchantability, fitness for a particular purpose and non-infringement					
	BUILDING AGREEMENT AND PRELIMINARIES					
	The JBCC Series 2000 Principal Building Agreement (July 2007 edition 5.0 - reprint 1) prepared by the Joint Building Contracts Committee shall be the applicable building agreement, amended as hereinafter described					
	The JBCC Principal Building Agreement Contract Data EC and the JBCC Principal Building Agreement Contract Data CE form an integral part of this agreement					
	The ASAQS Preliminaries (November 2007 edition) published by the Assosiation of South African Quantity Surveyors for use with the said JBCC Principal Building Agreement shall be deemed to be incorporated in these bills of quantities					
	Contractors are referred to the abovementioned documents for the intent and meaning of each clause thereof					
	These clauses are hereinafter referred to by clause number and heading only. Where standard clauses or alternatives are not entirely applicable to this agreement such modifications, corrections or supplements as will apply are given under each relevant clause heading and such modifications, corrections or supplements shall take precedence notwithstanding anything contrary contained in the abovementioned documents					
	Where any item is not relevant to this specific agreement					
	such item is marked N/A (signifying "not applicable")					
	Carried to Collection			R		
	Bill No. 1 Preliminaries			, in		

		GEM JUNIOR SECONDARY SCHOO					
		Omitte	d scope in	Eastern Cape F	Province - Cluster :		
Item		Unit	Quantity				
No							
	PREAMBLES FOR TRADES						
	Contractor are to refer to The Standard Preambles to All Trades (WB 20) attached to these these Bills of Quantities and no claims arising from brevity of description of items fully described in the said Model Preambles will be entertained						
	Supplementary preambles are incorporated in these Bills						
	of Quantities to satisfy the requirements of this project.						
	Such supplementary preambles shall take precedence						
	over the provisions of the said Model Preambles						
	The contractor's prices for all items throughout these bills of quantities must take account of and include for all of the obligations, requirements and specifications given in the said Model Preambles and in any supplementary preambles						
	PRICING OF PRELIMINARIES						
	Should the contractor select Option A in terms of subclause 3.2.1 in the Contract Data - Contractor to Employer (CE) for the purpose of adjustment of these preliminaries , the amount entered into the amount column in these preliminaries is to be divided into one or more of the three categories provided namely Fixed (F), Value Related (V) and Time Related (T)						
	SECTION A: PRINCIPAL BUILDING AGREEMENT						
	Definitions (A1)						
1	Clause 1.0 - Definitions and interpretation						
	The measuring system used for the preparation of the bills of quantities is the Standard System of Measuring Building Work (sixth edition, revised 1999) published by the Association of South African Quantity Surveyors [1.1]						
	F: V: T:	Item					
	Objective and preparation (A2 - A14)						
2	Clause 2.0 - Offer acceptance and performance obligations						
	F: V: T:	Item					
	Carried to Collection			R			
	Bill No. 1						
	Preliminaries						

		GEM JUNIOR SECONDARY SCHOOL						
		Omitte	d scope in	Eastern Cape P	rovince	- Cluster 3		
Item		Unit	Quantity	Rate		Amount		
No								
3	Clause 3.0 - Documents							
	The contract drawings are as listed on the contents page of the Part C3.0: Scope of Works of the Bills of Quantities .							
	Provision is made in the summary page of these bills of							
	quantities for the inclusion of Value Added Tax (VAT).							
	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 [3.9]							
	F: V: T:	Item						
4	Clause 4.0 - Design responsibility							
	F: V: T:	Item						
5	Clause 5.0 - Employer's agents							
	F: V: T:	Item						
6	Clause 6.0 - Contractor's site representative							
	F: V: T:	Item						
	Carried to Collection Bill No. 1			R				
	Preliminaries							

		GEM JUNIOR SECONDARY SCHOOL						
		Omitte			Province - Cluster 3			
Item No		Unit	Quantity	Rate	Amount			
7	Clause 7.0 - Compliance with laws and regulations Without limiting the generality of the provisions of clause 7.0, the contractor's attention is drawn to the provisions of the Construction Regulations, 2003 issued in terms of the Occupational Health and Safety Act, 1993. 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.							
8	Clause 8.0 - Works risk							
	F: V: T:	Item						
9	Clause 9.0 - Indemnities							
	F: V: T:	Item						
10	Clause 10.0 - General insurances							
	F: T:	Itom						
11	Clause 11.0 - Special insurances	Item						
	F: V: T:	Itom						
40		Item						
12	Clause 12.0 - Effecting insurances							
	F: V: T:	Item						
13	Clause 13.0 - Assignment							
	F: T:	Item						
14	Clause 14.0 - Security							
	Execution (A15 - A23)							
15	Clause 15.0 - Preparation for and execution of the works							
16	Clause 16.0 - Site and access							
	Clause 16.7 - Known services							
	Clause 16.8 - Protection of trees							
	F: T:	Item						
17	Clause 17.0 - Contract instructions							
	F: V: T:	Item						
	Carried to Collection							
	Bill No. 1			R				
	Preliminaries			1				

		GEM JUNIOR SECONDARY SCHOOL					
		Omitte	d scope in	Eastern Cape	Province	- Cluster 3	
Item		Unit	Quantity		е	Amount	
No							
18	Clause 18.0 -Setting out of the works						
	The contractor shall notify the principal agent if any encroachment of adjoining foundations, buildings, structures, pavements, boundaries, etc. exist in order that the necessary arrangements may be made for the rectification of any such encroachments [18.1]						
	F: V: T:	Item					
19	Clause 19.0 - Temporary works and plant						
	Clause 19.1.1 - Enclosure of the works Clause 19.1.2 - Office accommodation Clause 19.2 - Advertising rights and notice boards						
	F: V: T:	Item					
20	Clause 20.0 - Nominated subcontractors						
	F: T:	Item					
21	Clause 21.0 - Selected subcontractors						
	F: V: T:	Item					
22	Clause 22.0 - Employer's direct contractors						
	F: V: T:	Item					
23	Clause 23.0 - Contractor's domestic subcontractors						
	F: V: T:	Item					
	Carried to Collection				3		
	Bill No. 1						
	Preliminaries						

		GEM JUNIOR SECONDARY SCHOOL					
				Eastern Cap			
Item No		Unit	Quantity	Ra	te	Amount	
110	Completion (A24 - A30)						
24	Clause 24.0 - Practical completion						
	F: V: T:	Item					
25	Clause 25.0 - Works completion						
	F: V: T:	Item					
26	Clause 26.0 - Final completion						
	F: V: T:	Item					
27	Clause 27.0 - Latent defects liability period						
	F: V: T:	Item					
28	Clause 28.0 - Sectional completion						
	N/A						
	F: V: T:	Item					
29	Clause 29.0 - Revision of date for practical completion						
	The removal and replacement of materials and/or workmanship 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 (Clause 29.3)						
	F: V: T:	Item					
30	Clause 30.0 - Penalty for late or non-completion						
	F: V: T:	Item					
	Carried to Collection				R		
	Bill No. 1 Preliminaries						
	Payment (A31 - A35)						

		GEM JUNIOR SECONDARY SCHOOL					
		Omitte	d scope in	Eastern C	ape P	Province	- Cluster 3
Item		Unit	Quantity		Rate		Amount
No							
31	Clause 31.0 - Interim payment						
	The inclusion of materials and goods stored off site in						
	the amount authorised for payment in terms of clause						
	31.4 shall be at the sole discretion of the principal agent						
	and such inclusion shall only be considered upon the provision, by the contractor , of an approved guarantee						
	issued by a registered commercial bank. Clause 31.6.5 is						
	therefore not applicable.						
	Materials and goods stored off site shall not be included in the amount authorised for payment [31.6.5]?						
	in the amount authorised for payment [51.0.5]:						
	F: V: T:	Item					
32	Clause 32.0 - Adjustment to the contract value						
	All fluctuations in costs, with the exception of fluctuations						
	in the rate of Value Added Tax, shall be for the account of the contractor .						
	Where prices are submitted by the contractor or n/s						
	subcontractor during the progress of the works in						
	respect of contract instructions or in regard to a claim						
	under the terms of the 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.						
	The contractor shall not receive any mark-up for						
	overheads and profit on any omission of tenant						
	installation work or tenant installation work by others. Claims for loss of profit shall not be entertained.						
	oldinis for loss of profit shall flot be entertained.						
	F: V: T:	Item					
33	Clause 33.0 - Recovery of expense and loss						
	F: V: T:	Item					
		nom					
34	Clause 34.0 - Final account and final payment						
35	Clause 35.0 - Payment to other parties						
	F: T: T:	Item					
					_		
	Carried to Collection				R		
	Preliminaries						
	Termination (A36 - A39)						
	Totalida Pada						

		GEM JUNIOR SECONDARY SCHOOL						
				Eastern Cap		rovince -		
Item No		Unit	Quantity	Ra	ate		Amount	
36	Clause 36.0 - Termination by employer - contractor's default							
	F: T:	Item						
37	Clause 37.0 - Termination by employer - loss and damage							
	F: V: T:	Item						
38	Clause 38.0 - Termination by contractor - employer's default							
	F: V: T:	Item						
39	Clause 39.0 - Termination - cessation of the works							
	F: V: T:	Item						
	Dispute (A40)							
40	Clause 40.0 - Settlement of disputes							
	F: V: T:	Item						
	Contract variables (A41 - A42)							
41	Clause 41.0 - Post tender provisions							
	The contractor is to complete before submission of his tender the JBCC Principal Building Agreement Contract Data CE							
	F: V: T:	Item						
42	Clause 42.0 - Contractual 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: T:	Item						
	Carried to Collection Bill No. 1 Preliminaries				R			
	SECTION B: PRELIMINARIES							
	Definitions and interpretation (B1)							

		GEM JUNIOR SECONDARY SCHOOL					
		Omitte		Eastern			- Cluster 3
Item No		Unit	Quantity		Rate		Amount
NO							
43	Clause 1.0 - Definitions and interpretation						
	F: V: T:	Item					
	Documents (B2)						
44	Clause 2.1 - Checking of documents						
	F: V: T:	Item					
45	Clause 2.2 - Provisional bills of quantities						
	These 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 measured and the subsequent trades are budgetary allowances and/or Selected/nominated subcontract amounts?						
	F: T:	Item					
46	Clause 2.3 - Availability of construction documentation						
	The budgetary allowances and selected/nominated subcontract amounts allocated for subsequent trades included in this agreement will be separately procured, based on multiple procurement of selected/nominated subcontractors during the construction period .						
	Previous work and adjoining properties (B3)						
47	Clause 3.1 - Previous work - dimensional accuracy						
	F: V: T:	Item					
48	Clause 3.2 - Previous work - defects						
	F: T:	Item					
49	Clause 3.3 - Inspection of adjoining properties						
	F: V: T:	Item					
	Carried to Collection				R		
	Bill No. 1 Preliminaries						
	Samples, shop drawings and manufacturer's instructions (B4)						
	mon actions (DT)						

Item	Item	d scope in East Quantity	ern Cape Provi	nce - Cluster 3 Amount
No 50 Clause 4.1 - Samples of materials F:	Item			
50 Clause 4.1 - Samples of materials F:				
51 Clause 4.2 - Workmanship samples	Itom			
	Itom			
F: V: T: T:	item			
52 Clause 4.3 - Shop drawings				
F: T: T:	Item			
53 Clause 4.4 - Compliance with manufacturer's instru				
F: V: T: T: Deposits and fees (B5)	Item			
54 Clause 5.1 - Deposits and fees				
F: V: T: T:	Item			
Temporary services (B6)				
55 Clause 6.1 - Water				
F: V: T:	Item			
F: V: T:	Item			
57 Clause 6.3 - Telecommunication facilities				
F: V: T:	Item			
58 Clause 6.4 - Ablution facilities				
F: V: T:	Item			
Carried to Coll Bill No. 1 Preliminaries	ection		R	

		GEM JUNIOR SECONDARY SCHO						
		Omitte	d scope in	Eastern Cape	Province	- Cluster 3		
Item No		Unit	Quantity	Rat	е	Amount		
NO								
	Prime cost amounts (B7)							
59	Clause 7.1 - Responsibility for prime cost amounts							
	Special attendance on n/s subcontractors (B8)							
60	Clause 8.1 - Special attendance							
	F: V: T:	Item						
	General (B9)							
61	Clause 9.1 - Protection of the works							
	F: T:	Item						
62	Clause 9.2 - Protection/isolation of existing/sectionally occupied works							
	F: V: T:	Item						
63	Clause 9.3 - Security of the works							
	F: V: T:	Item						
64	Clause 9.4 - Notice before covering work							
	F: V: T:	Item						
65	Clause 9.5 - Disturbance							
	F: V: T:	Item						
66	Clause 9.6 - Environmental disturbance							
	The contractor shall comply with good practice in terms of environmental management.							
	F: V: T:	Item						
67	Clause 9.7 - Works cleaning and clearing							
	F: V: T:	Item						
	Carried to Collection Bill No. 1				₹			
	Preliminaries							

			GEM JUNIOR SECONDARY SCHOOL			
		Omitte	Omitted scope in Eastern Cape Province - Cluster			
n		Unit	Quantity	Rate	Amount	
•			-			
,	Clause 9.8 - Vermin					
	Olause 5.0 - Vermin					
	F: V: T:	Item				
	Clause 9.9 - Overhand work					
	F: V: T:	Item				
	1	itom				
I						
I						
	0	4:				
	Carried to Collect Bill No. 1	tion		R		
	Preliminaries					

		GEM JUNIOR SECONDARY SCH				
					Province - Cluster	
tem No		Unit	Quantity	Rate	Amour	
	Schedule of variables (B10)					
	Information necessary for elections and completion of those clauses contained in the schedule which are necessary for tender purposes is given hereunder. Where no information is given it shall mean that no specific requirements are expected or that the clause is not relevant to this specific contract					
	10.1 - Provisional bills of quantities The quantities are provisional - No					
	10.2 - Availability of construction documentation Construction documentation is complete - Yes					
	10.3 - Previous work - dimensional accuracy					
	10.4 - Previous work - defects					
	10.5 - Inspection of adjoining properties					
	10.6 - Water					
	Option A (by contractor) - Yes Option B (by employer - free of charge) - No Option C (by employer - metered) - No					
	10.7 - Electricity [7.3]					
	Option A (by contractor) - Yes Option B (by employer - free of charge) - No Option C (by employer - metered) - No					
	10.8 - Telecommunications [7.4]					
	Telephone - Yes Facsimile - No E-mail - No					
	10.9 - Ablution facilities [7.5]					
	Option A (by contractor) - Yes Option B (by employer) - No					
	10.10 - Protection of the works [9.1]					
	10.11 - Protection/isolation of existing/sectionally occupied works [9.2]					
	Protection/isolation is required - Yes					
	10.12 - Disturbance [9.5]					
	10.13 - Environmental disturbance [9.6]					
	Carried to Collection			R		
	Bill No. 1 Preliminaries					

		GEM JUNIOR SECONDARY SCHO				
		Omitte	d scope in	Eastern Cape F	Province - Cluster 3	
Item No		Unit	Quantity	Rate	Amount	
	SECTION C: SPECIFIC PRELIMINARIES					
70	Site instructions					
	Contract instructions issued on site are to be recorded in triplicate in a site instruction book which is to be maintained on site by the contractor					
	F: V: T:	Item				
71	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 firm supplying the materials and/or doing the work and shall deliver same to the on the final completion of the contract. The warranty shall state that workmanship, materials and installation are warranteed for a specific period from the date of final completion and that any defects that may arise during the specified period shall be made good at the expense of the firm supplying the materials and/or doing the work, upon written notice to do so. The warranty will not be enforced if the work is damaged by defects in the construction of the building in which case the responsibility for replacement shall rest entirely with the contractor					
	F: V: T:	Item				
72	Co-operation 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 final building cost does not exceed the budget. The principal agent undertakes to make available to the contractor all budgetary allowances and cost assessments/reports to enable the proper procedure to be implemented and the contractor shall attend all cost plan review and cost management meetings. The contractor undertakes to extend these procedures, as necessary, to all subcontractors					
	F: T:	Item				
	Carried to Collection Bill No. 1			R		

		GEM JUNIOR SECONDARY SCHO				
		Omitte		Eastern Cape F	Province - Cluster 3	
Item No		Unit	Quantity	Rate	Amount	
140	Preliminaries					
73	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:	Item				
74	Testing of windows for water tightness					
	Each window shall be tested for water tightness with water sprayed on using adequate pressure. If in the opinion of the principal agent the pressure proves to be inadequate, then the pressure shall be boosted by means of compressed air or other approved means					
	F: T:	Item				
75	Testing of flat roof waterproofing for water tightness					
	Flat roof waterproof areas shall be prepared with small sand dykes around them of a size and enclosing an area approved by the principal agent , flooded with water and kept "ponded" for at least 36 hours as a test to ensure the water tightness of the waterproofing and before any further construction work is carried out above the waterproofing					
	F: V: T:	Item				
	SUMMARY OF CATEGORIES					
	Category : Fixed R					
	Category : Value R					
	Category : Time R					
	Carried to Collection Bill No. 1			R		
	Preliminaries	l		1	l	

		GEM JUNIOR SECONDARY SCHOOL					
		Omitte	d scope in	Eastern Cape I	Province - Cluste		
em lo		Unit	Quantity	Rate	Amo		
	Bill No. 1						
	Preliminaries						
	COLLECTION	Page No			AMOUNT		
	Total Brought Forward From page	-1-					
		-2-					
		-3-					
		-4-					
		-5-					
		-6-					
		-7-					
		-8-					
		-9-					
		-10-					
		-11-					
		-12-					
		-13-					
		-14-					
		-15-					
	Carried to Final Summary			R			
	Bill No. 1 Preliminaries						

		GEM JUNIOR SECONDARY SCHOO Omitted scope in Eastern Cape Province - Cluster				
Item		Unit	ed scope in Quantity		Province - Cluster 3 Amount	
No						
	BILL NO. 2					
	HEALTH AND SAFETY					
	MODEL PREAMLES					
	The tenderer is referred to the "Model Preambles for Trades 2008" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates					
	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.					
	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.					
	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).					
	OCCUPATIONAL HEALTH AND SAFETY					
	General:					
1	Preparation of Contractor's site specific Health and Safety Plan.	Item	1			
2	Submission of the Health and Safety File.	Item	1			
3	Principal Contractor's initial obligations in respect of the OHS Act and Construction Regulations.	Item	1			
	Carried to Collection Bill No. 2 Health and Safety					

		GEM JUNIOR SECONDARY SCHOOL Omitted scope in Eastern Cape Province - Cluster 3					
Item		Unit	Quantity	Rate	Amou		
No							
4	Principal Contractor's time related obligations in respect of the OHS Act and Construction Regulations for the entire construction period.	Item	1				
5	Provision of full time Health and Safety Officer for the entire construction period.	Item	1				
6	Induction training of all personnel.	No	1				
7	Provision of first aid boxes.	No	1				
8	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	200				
9	Extra over mesh fence for pedestrian gate size 1.8 x 1,8m high.	No	1				
	Provision for Personal Protective Equipment and Protective Clothing:						
11	Provision of Protective Equipment and clothing	Item	1				
12	C16. Covid-19 Compliance Measures The Contractor is required to price for Covid 19 compliance and the pricing thereof shall be deemed to include all the mandatory requirements.	Item	1				
	Carried to Collection						
	Bill No. 2 Health and Safety						

	GEM JUNIOR SECONDARY SCH Omitted scope in Eastern Cape Province - Clus Unit Quantity Rate Am					
em		Unit	Quantity	Rate	Amoun	
lo						
	Bill No. 2					
	Health and Safety					
	COLLECTION	Page			AMOUNT	
		No				
	Total Brought Forward From page	-17-				
		-18-				
	Carried to Final Summary			R		
	Bill No. 2					
	Health and Safety					

		Omit			CONDARY SCHOOL Province - Cluster 3
Item			Quantity	Rate	Amount
No	BILL No. 3				
	SUNDRY BUILDERS WORK				
	CARPENTRY AND JOINERY				
	DOORS ETC				
	Wrought meranti doors hung to steel frames / wooden frame				
1	44mm Framed batten door 813 x 2032mm high of 44 x 150mm top rail and stiles, 22 x 150mm middle ledge and braces and 22 x 220mm bottom rail filled in with 22mm V-jointed one side boarding and covered on other side and including rebates all round	No			
	IRONMONGERY				
	LOCKS				
	Note: Locks to be suitable for and master and sub master keysystems				
	Union or similar approved				
2	50mm Padlock	No			
3	Three lever lockset	No			
	LETTERS, NAMEPLATES, PUSHPLATES, ETC				
	Assa Abloy' or other similar approved				
4	150 x 150mm engraved aluminium "male" indicator plate	No	2.00		
5	150 x 150mm engraved aluminium "female" indicator plate	No	2.00		
6	150 x 150mm engraved aluminium "Disabled" indicator plate	No	1.00		
	BATHROOM FITTINGS				
	"Vaal Paragon"				
7	32mm Type 9 back grab rail 800mm long plugged	No	1.00		
8	32mm Type 8 side grab rail 900mm girth plugged	No	1.00		
	Carried to Collection Bill No. 3 Sundry Builders Work				

		Omit			SECONDARY SCHOOL pe Province - Cluster 3
Item		Unit	Quantity	Rate	Amount
No	Stainless steel bathroom fittings				
9	Free standing She Bin; manufactured from Grade 304 1,2/1,5mm Stainless Steel, satin finished with surface treatment. The container to have an approximately 20 litre capacity.	No	9.00		
	METALWORK				
	GALVANISED STEEL GATES, SCREENS, ETC				
	Prepainted - Welded screens and gates				
10	Single gate and frame for opening 813 x 2 032mm high overall, the outer frame of 50 x 50 x 2,5mm hollow section bolted to wall with and including eight 70mm M80 expansion bolts and the gate 800 x 2 038mm high of 60 x 40 x 2,0mm hollow section frame with two 60 x 40 x 2,0mm hollow section horizontal rails with 20mm diameter vertical rods at 110mm centers with 25mm diameter x 80mm long pin hinge, complete with 5pin upright double throw security mortice deadlock in 3mm steel plate housing	No			
	PLUMBING AND DRAINAGE (PROVISIONAL)				
	MODEL PREAMBLES				
	The tenderer is referred to the "Model Preambles for Trades 2008" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates				
	SANITARY FITTINGS				
	nust and corrosion resistant, uv-resistant polyethylene pedestals, urinals, basins, etc. Product and colour to Principal Agent's approval:				
11	VIP 450 Toilet Seat to match existing	No			
	WASTE UNIONS ETC				
	<u>Brass</u>				
12	32mm Basin waste union	No			
13	38mm Urinal waste union with chromium plated dome	No			
	Carried to Collection Bill No. 3 Sundry Builders Work				

		Omit	NDARY SCHOOL ovince - Cluster 3		
Item			Quantity	Rate	Amoun
No					
	TRAPS ETC				
	<u>uPVC</u>				
14	38 x 50mm Deep seal trap	No			
	Chromium plated				
15	38 x 50mm Bottle trap	No	3.00		
	TAPS, VALVES, ETC				
	"Cobra watertech" or equal approved				
16	15mm Code KM 2.100 self closing pillar tap	No			
17	Flushmaster FJ6.000 urinal flush valve	No			
	SANITARY PLUMBING				
	PVC waste or vent pipes and fittings:				
18	50mm Waste pipe.	m			
	Extra for:				
19	50mm BSP adapator	No			
20	50mm Bend.	No			
21	50mm Access bend.	No			
	Carried to Collection				
	Sundry Builders Work		1		

		GEM JUNIOR SECONDARY SCHOOL Omitted scope in Eastern Cape Province - Cluster 3				
Item No			Quantity			
NO	Bill No. 3					
	Sundry Builders Work					
	COLLECTION	Page			AMOUNT	
	COLLECTION	No			AWIOONT	
	Total Brought Forward From page	-20-				
		-21-				
		-22-				
	Carried to Final Summary Bill No. 3 Sundry Builders Work			R		

		GEM JUNIOR SECONDARY SCHOOL				
		Om			Province - Cluster 3	
Item		Unit	Quantity		Amount	
No	BILL No. 4					
	EXTERNAL WORKS (PROVISIONAL)					
	MODEL PREAMBLES					
	The tenderer is referred to the "Model Preambles for Trades 2008" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates					
	THE FOLLOWING IN ONE BRICK WALL (GARDEN WALL)					
	Excavation in earth not exceeding 2m deep:					
1	Trenches.	m3	82.80			
	Extra over trench and hole excavations in earth for excavation in					
2	Soft rock	m3	4.14			
3	Hard rock	m3	4.14			
	Extra over all excavations for carting away:					
	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the Contractor.	m3	43.10			
	Risk of collapse of excavations:					
4	Sides of trench and hole excavations not exceeding 1,5m deep.	m2	276.00			
	Keeping excavations free of water					
5	Keeping excavations free of water	Item	1.00			
	Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 93% MOD AASHTO density:					
6	Backfilling to trenches, holes, etc.	m3	39.70			
	Compaction of surfaces					
7	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.	m2	138.00			
	Carried to Collection Bill No. 4 External Works					

					ECONDARY SCHOOL	
					e Province - Cluster	
<u>Item</u> No		Unit	Quantity	Rate	Amount	
INO						
	SOIL POISONING					
	Soil insecticide to be executed with SABS					
	compliance by a firm of specialists under a 5 year					
	<u>quarantee</u>					
8	To bottoms and sides of trenches, etc.	m2	414.00			
	REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES					
	25 Mpa/19mm Concrete					
9	Strip footings.	m3	34.50			
	Test blocks:					
10	Making and testing of 150x150x150mm concrete strength test cubes (Provisional).	No	12.00			
	Reinforcement (Provisional)					
11	High tensile steel reinforcement bars to structural concrete work.	t	2.76			
	BRICKWORK IN FOUNDATIONS.					
	Brickwork of NFX bricks (14 MPa nominal compressive strength) in Class I mortar (Cement to be 42.5N all-purpose cement):					
12	One brick walls.	m2	78.20			
	BRICKWORK IN SUPERSTRUCTURE					
	Brickwork of NFP bricks (14 MPa nominal compressive strength) in Class II mortar (Cement to be 42.5N all-purpose cement):					
13	One brick walls.	m2				
	Brickwork reinforcement:					
14	230mm Wide reinforcement built in horizontally.	m	460.00			
15	Ditto but in foundations.	m	230.00			
			20000			
	Carried to Collection					
	Bill No. 4					
	External Works	1	1			

				OFM HINIOD O	EGONDA BY COLLOOL
		Om			ECONDARY SCHOOL Province - Cluster 3
Item			Quantity		Amount
No			•		
	FACE BRICK				
	"Rustgold FBS/Qunu Travertine" clay face brick or equal approved, size 222 x 106 x 73mm, bedded and				
	jointed in Class II mortar and pointed with recessed vertical and recessed horizontal joints, suitable for				
	exposure zones 1-2 (Cement to be 42.5N all-				
	nurnose cement).				
16	One brickwall faced on both sides.	m2	71.21		
	Brick-on-edge header course copings, sills, etc, of				
	"Rustgold FBS/Qunu Travertine" or equal approved				
	face bricks pointed with recessed joints on all exposed faces, 220mm wide sill set sloping and				
	slightly projecting:				
	230mm wide header course to top of one brick wall				
17	bedded and jointed in cement mortar and pointed on	m	230.00		
	top and both sides as described.				
	Cast in-situ Ref 395 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.				
	700 x 80mm thick V' channel 150mm deep in centre				
18	laid in position in ground in 2000mm sections including all formwork, reinforcement, expansion joints, smooth	m	230.00		
	finishing to top of concrete surface etc.				
	Extra for 700mm angle.	No	19.00		
	Extra for forming 200mm thick 700mm wide spreader				
	with 200mm high edges fanning out to 1 960mm width				
19	at furthest end with hard burnt bricks pitching cast in as	No	4.00		
	diffusers including working off concrete to a smooth	110	4.00		
	finish and draining onto natural ground with 150 - 200mm diameter loose stones.				
	THE FOLLOWING IN WALKWAYS				
	<u>Demolish and remove</u>				
20	80mm thick ramps and walkways	m2	12.00		
	Carried to Collection				
	Bill No. 4 External Works				
	LAIGINAI WUIKS		l]	ļ

			GEM JUNIOR SECONDARY SCHOOL				
					e Province - Cluster		
<u>tem</u> No		Unit	Quantity	Rate	Amount		
NO							
	Extra over all excavations for loading, carting and						
	dumping surplus excavated material (no allowance						
	made for increase in bulk):						
21	Off site to a dumping site to be found by the Contractor.	m3	0.96				
	Filling supplied by the contractor under floors,						
	aprons, etc						
22	G7 Base course material compacted to 98% Mod	m3	3.00				
	AASHTO density		0.00				
	Coarse river sand filling supplied by the contractor:						
		_					
23	Under floors etc.	m3	1.00				
	Compaction of surfaces:						
	Compaction of ground surface under floors etc						
	including scarifying for a depth of 150mm, breaking						
24	down oversize material, adding suitable material where	m2	12.00				
	necessary and compacting to 90% Mod AASHTO density.						
	Prescribed density tests on filling:						
25	In-situ dry density test.						
	Reinforced 25Mpa/19mm Concrete:						
26	Ramps, Landings, etc.	m3	0.96				
	Finishing top surfaces of concrete smooth with a wood float:						
27	Surface hade alaba ata ta falla and aurrenta	m2	12.00				
21	Surface beds, slabs, etc to falls and currents.	1112	12.00				
	Test blocks:						
28	Making and testing of 150x150x150mm concrete	No	4.00				
20	strength test cubes (Provisional).	INO	4.00				
	Expansion joints with bitumen impregnated						
	<u>softboard</u>						
	between vertical concrete or brick surfaces:						
29	12mm Joints not exceeding 300mm high.	m	4.00				
	Carried to Collection						
	Bill No. 4						
	External Works						

		GEM IIINIIOD SECONDARY SOUL			
		Om			ECONDARY SCHOOL Province - Cluster 3
Item		Unit	Quantity	Rate	Amount
No					
	Two-part grey polysulphide sealing compound backing cord, bond breaker, primer, etc				
30	10 x 12mm In movement joints in floors or walls including raking out expansion joint filler as necessary.	m	15.00		
	Fabric reinforcement:				
31	REF. 395 fabric reinforcement in concrete surface beds, slabs, etc.	m2	12.00		
	Waterproofing under Surface beds				
32	350 Micron USB orange polyethylene dampproof membrane in accordance with SABS 952 Type C laid on sand bed (elsewhere measured).	m2	12.00		
	THE FOLLOWING IN DISABLED ACCESS RAMPS				
	Demolish and remove				
33	80mm thick ramps and walkways	m2	7.80		
	Extra over all excavations for loading, carting and dumping surplus excavated material (no allowance made for increase in bulk):				
34	Off site to a dumping site to be found by the Contractor.	m3			
	Filling supplied by the contractor under floors, aprons, etc				
35	G7 Base course material compacted to 98% Mod AASHTO density	m3	2.40		
	Reinforced 25Mpa/19mm Concrete:				
36	Ramps, Landings, etc.	m3	10.55		
	Test blocks:				
37	Making and testing of 150x150x150mm concrete strength test cubes (Provisional).	No	2.00		
	Expansion joints with bitumen impregnated softboard between vertical concrete or brick surfaces:				
38	12mm Joints not exceeding 300mm high.	m	4.00		
	Carried to Collection				

					SECONDARY SCHOO
lto		Om Unit			e Province - Cluster
Item No		Unit	Quantity	Rate	Amount
NO	Bill No. 4 External Works				
	Fabric reinforcement:				
39	REF. 395 fabric reinforcement in concrete surface beds, slabs, etc.	m2	7.80		
	Waterproofing under Surface beds				
40	350 Micron USB orange polyethylene dampproof membrane in accordance with SABS 952 Type C laid on sand bed (elsewhere measured).	m2	7.80		
	THE FOLLOWING IN STORMWATER DRAINAGE, APRONS ETC.				
	STORMWATER APRONS				
	Excavation not exceeding 2m deep				
41	Reducing levels and depositing excavated material inprescribed stock piles on site.	m3	6		
	Extra over all excavations for loadina, carting and dumping surplus excavated material (no allowance made for increase in bulk):				
42	Off site to a dumping site to be found by the Contractor.	m3	9		
	Filling supplied by the contractor under floors, aprons, ect				
43	G7 Base course material compacted to 98% ModAASHTO density	m3	12		
44	Over site of Selected Subgrade G5 material in accordance with SABS 1 200 DM in layers not exceeding 150mm thick and compacted to 95% Mod AASHTO density.	m3			
	Coarse river sand filling supplied by the contractor:				
45	Under floors etc.	m3			
	Compaction of surfaces:				
46	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.	m2	15		
	Prescribed density tests on filling.				
47	In-situ dry density test.	No	2		
	Carried to Collection				
	Bill No. 4 External Works				

		GEM JUNIOR SECONDARY			
		Om	itted scope	in Eastern Cape	e Province - Cluster 3
Item		Unit	Quantity	Rate	Amount
No					
	Reinforced 25Mpa/19mm Concrete:				
48	Surface beds cast in panels on waterproofing.	m3	4		
49	Edge thickening	m3			
	Finishing top surfaces of concrete smooth with a wood float:				
50	Surface beds, slabs, etc to falls and currents.	m2	15		
	Test blocks:				
51	Making and testing of 150x150x150mm concrete strength test cubes (Provisional).	No	4		
	Expansion joints with bitumen impregnated softboard between vertical concrete or brick surfaces:				
52	12mm Joints not exceeding 300mm high.	m			
	Two-part grey polysulphide sealing compound including backing cord, bond breaker. primer. Etc				
53	10 x 12mm In movement joints in floors or walls including raking out expansion joint filler as necessary.	m			
	Fabric reinforcement:				
54	REF. 395 fabric reinforcement in concrete surface beds, slabs, etc.	m2	15		
	Waterproofing under Surface beds				
55	350 Micron USB orange polyethylene dampproof membrane in accordance with SABS 952 Type C laid on sand bed (elsewhere measured).	m2	15		
	THE FOLLOWING IN SUB-SOIL DRAINAGE ETC.				
	Site Clearance. ETC				
56	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc	m2	120.00		
	Excavation in earth not exceeding 2m deep:				
57	Trenches.	m3	288.00		
	Carried to Collection				
	Bill No. 4				
	External Works				

		GEM JUNIOR SECONDARY SCHO			
		Omitted scope in Eastern Cap			
Item			Quantity	Rate	Amount
No	Extra over all excavations for carting away:				
58	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the Contractor.	m3	10.80		
	Risk of collapse of excavations:				
59	Sides of trench and hole excavations not exceeding 1,5m deep.	m2	480.00		
	Earth filling obtained from the excavations and/or prescribed stock piles on site opmpacted to 93% MOO AASHTO density:				
60	Backfilling to trenches, holes, etc.	m3	277.20		
	Earth filling 300 x 300mm section of 19mm thick stone material surrounding 110mm uPVC pipe. supplied by the contractor compacted to 98% Mod AASHTO density:				
61	19mm Stone.	m3	4.33		
	<u>Membrane</u>				
62	""Geofabric filter blanket wrapped around stone with 150mm side and 300mm end laps, including stitching.	m2	144.00		
	Keeping excavations free of water:				
63	Keeping excavations free from mud and all water including subterranean sources.	Item	1.00		
	Compaction of surfaces				
64	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.	m2	144.00		
	SOIL DRAINAGE				
	160mm Diameter perforated uPVC pipe surrounded with 300 x 300mm section of 20mm stone wrapped in A3 geotextile material.				
65	160mm uPVC pipe.	m	100.00		
	Extra for:				
66	160mm Tee.	No	4.00		
67	160mm Bend.	No	4.00		
	Carried to Collection				
	Bill No. 4 External Works				

		GEM JUNIOR SECONDARY SCHOO					
					Omitted scope in Eastern Cape Province - Clus		
tem No		Unit	Quantity	Rate	Amount		
140							
	THE FOLLOWING IN HEADWALLS						
68	Excavation not exceeding 2m deep.	m3	193.20				
69	Risk of collapse not exceeding 1,5m deep	m2	276.00				
70	Keeping excavations free from water	Item	1.00				
71	Carting away surplus excavated material	m3	48.30				
72	150mm layer of G7 material compacted to 95% MOD PASHTO under concrete slab.	m3	48.30				
73	150mm layer of G5 material compacted to 95% MOD AASHTO under concrete slab.	m3	48.30				
74	25Mpa/19mm Reinforced concrete in bottom slabs and footings.	m3	48.30				
75	Formwork to edges, risers, ends and reveals not exceeding 300mm wide or high.	m					
76	Weld Mesh Ref 193 in Concrete bottom slab.	m2	328.90				
77	One brick wall of 14 MPa NFX bricks.	m2	328.90				
78	230mm Wide reinforcement built in horizontally.	m	920.00				
	THE FOLLOWING IN SECURITY FENCING, ETC						
	Site clearance						
79	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.	m2					
	Straining wires. fencing and razor wire:						
80	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					
81	3 Strands of galvanised barbed wire tied to standards, posts and eye bolts	m					
	Carried to Collection Bill No. 4						

		GEM JUNIOR SECONDARY SCH			
				•	Province - Cluster 3
<u>Item</u> No		Unit	Quantity	Rate	Amount
82	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 Y 12 pegs at 900mm c/c between posts (straining wires elsewhere measured).	m			
	Posts for 1 800mm high security fence:				
83	60mm Diameter galvanised steel intermediate fencing post 3,000mm 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.	No			
84	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.	No			
85	150mm Ditto as gate post 3,000mm 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.	No			
86	12mm Diameter galvanised mild steel straining eye bolt with hook, threaded portion and two nuts and washers.	No			
87	Form 12mm diameter hole through fence post.	No			
	Gates:				
88	Security fence single gate, size 1 000 mm wide x 2 400 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 0kampeonwires 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	No			
	Carried to Collection Bill No. 4				
	External Works				

		GEM JUNIOR SECONDARY SC			
	Omitted scope in Eastern Cape Province				
	Unit	Quantity	Rate	Amount	
Bill No. 4					
External Works					
COLLECTION	Page No			AMOUNT	
	NO				
Total Brought Forward From page	-24-				
	-25-				
	-25-				
	-26-				
	-27-				
	-21-				
	-28-				
	-29-				
	-29-				
	-30-				
	-31-				
	-51-				
	-32-				
	-33-				
	-55-				
Carried to Final Summa	ry		R		
Bill No. 4					

		GEM JUNIOR SECONDARY SCHOOL Omitted scope in Eastern Cape Province - Cluster 3			
Item		Unit	Quantity	Rate	Amount
No	BILL No. 5				
	PROVISIONAL SUMS				
	SUPPLEMENTARY PREAMBLES				
	I enderers are advised that no claim in respect or 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.				
	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 therto.				
	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:				
	Provide the sum of R22 500.00 for the employment of a Community Liaison Officer to be employed by the Main Contractor and be paid an allowance of R7 500.00 a month for the duration (3 months)	Item			22,500.00
	Profit and attendance on the above item	Item			
	<u>LANDSCAPING</u>				
	Provide the sum of R70 000. 00 for landscaping to be used as directed by the Principal Agent and deducted in whole or in part if not required	Item			70,000.00
	Profit and attendance on the above item	Item			
	HIRING OF ABLUTION FOR LEARNERS WHILE REPAIRS TAKING PLACE				
	Provide the sum of R30 000. 00 for landscaping to be used as directed by the Principal Agent and deducted in whole or in part if not required	Item			30,000.00
	Profit and attendance on the above item	Item			
	Carried to Final Summary			R	

			GEM JUNIOR	SECONDARY SCHOOL
		Omitted sco	ope in Eastern C	ape Province - Cluster 3
Bill No		Page No		Amount
1	PRELIMINARIES	-16-		
2	HEALTH AND SAFETY	-19-		
3	SUNDRY BUILDERS WORK	-23-		
4	EXTERNAL WORKS (PROVISIONAL)	-34-		
5	PROVISIONAL SUMS	-35-		
	Sub-total CONTINGENCY SUM			
6	Allow for 5% Contingencies for works, to be used as directed by the Project Manager and deducted in whole or in part if not required			
	Sub-total of works Excluding VAT			
	Value Added Tax @ 15% Sub Total (VAT INCL.) CARRIED TO TENDER FORM		R	