Item No		Unit	Quantity	Rate	Amount
	BILL NO. 1				
	PRELIMINARIES				
	Disclaimer				
	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				

		MBANYANA JUNIOR SECONDARY SCHOOL			
		Omitted scope in Eastern Cape Province - Cluster 3			
Item No		**Unit**	**Quantity**	**Rate**	**Amount**
	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 sub-clause 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				

		MBANYANA JUNIOR SECONDARY SCHOOL			
		Omitted scope in Eastern Cape Province - Cluster 3			
Item No		**Unit**	**Quantity**	**Rate**	**Amount**
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			R	
	Bill No. 1 Preliminaries				

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:..... V:..... T:.....	Item			
11	Clause 11.0 - Special insurances				
	F:..... V:..... T:.....	Item			
12	Clause 12.0 - Effecting insurances				
	F:..... V:..... T:.....	Item			
13	Clause 13.0 - Assignment				
	F:..... V:..... 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:..... V:..... T:.....	Item			
17	Clause 17.0 - **Contract instructions**				
	F:..... V:..... T:.....	Item			
	Carried to Collection			R	
	Bill No. 1 Preliminaries				

Item No		Unit	Quantity	Rate	Amount
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:..... V:..... 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 Bill No. 1 Preliminaries			R	

Item No		Unit	Quantity	Rate	Amount
	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				

Item No		Unit	Quantity	Rate	Amount
	Payment (A31 - A35)				
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]?				
	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.				
	F:..... V:..... T:.....	Item			
33	Clause 33.0 - Recovery of expense and loss				
	F:..... V:..... T:.....	Item			
34	Clause 34.0 - **Final account** and final payment				
35	Clause 35.0 - Payment to other parties				
	F:..... V:..... T:.....	Item			
	Carried to Collection			R	
	Bill No. 1				
	Preliminaries				

Item No		Unit	Quantity	Rate	Amount
	Termination (A36 - A39)				
36	Clause 36.0 - Termination by **employer - contractor's** default				
	F:..... V:..... 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:..... V:..... T:.....	Item			
	Carried to Collection			R	
	Bill No. 1				
	Preliminaries				

Item No		Unit	Quantity	Rate	Amount
	SECTION B: PRELIMINARIES				
	Definitions and interpretation (B1)				
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:..... V:..... 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:..... V:..... T:.....	Item			
49	Clause 3.3 - Inspection of adjoining properties				
	F:..... V:..... T:.....	Item			
	Carried to Collection			R	
	Bill No. 1 Preliminaries				

Item No		Unit	Quantity	Rate	Amount
	Samples, shop drawings and manufacturer's instructions (B4)				
50	Clause 4.1 - Samples of materials				
	F:..... V:..... T:.....	Item			
51	Clause 4.2 - Workmanship samples				
	F:..... V:..... T:.....	Item			
52	Clause 4.3 - Shop drawings				
	F:..... V:..... T:.....	Item			
53	Clause 4.4 - Compliance with manufacturer's instructions				
	F:..... V:..... T:.....	Item			
	Deposits and fees (B5)				
54	Clause 5.1 - Deposits and fees				
	F:..... V:..... T:.....	Item			
	Temporary services (B6)				
55	Clause 6.1 - Water				
	F:..... V:..... T:.....	Item			
56	Clause 6.2 - Electricity				
	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 Collection			R	
	Bill No. 1 Preliminaries				

Item No		Unit	Quantity	Rate	Amount
	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:..... V:..... 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			R	
	Bill No. 1				
	Preliminaries				

Item No		Unit	Quantity	Rate	Amount
68	Clause 9.8 - Vermin				
	F:..... V:..... T:.....	Item			
69	Clause 9.9 - Overhand work				
	F:..... V:..... T:.....	Item			
	Carried to Collection			R	
	Bill No. 1				
	Preliminaries				

Item No		Unit	Quantity	Rate	Amount
	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				

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:..... V:..... T:.....	Item			
	Carried to Collection			R	
	Bill No. 1 Preliminaries				

Item No		Unit	Quantity	Rate	Amount
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:..... V:..... 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 Preliminaries			R	

Item No		Unit	Quantity	Rate	Amount
	Bill No. 1				
	Preliminaries				
	COLLECTION	**Page No**			**AMOUNT**
	Total Brought Forward From page	-1-			
		-2-			
		-3-			
		-4-			
		-5-			
		-6-			
		-7-			
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		-12-			
		-13-			
		-14-			
		-15-			
	Carried to Final Summary			R	
	Bill No. 1 Preliminaries				

Item No		Unit	Quantity	Rate	Amount
	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				

		MBANYANA JUNIOR SECONDARY SCHOOL			
		Omitted scope in Eastern Cape Province - Cluster 3			
Item No		Unit	Quantity	Rate	Amount
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		
	C16. Covid-19 Compliance Measures				
12	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				

Item No		Unit	Quantity	Rate	Amount
	Bill No. 2				
	Health and Safety				
	COLLECTION	Page No			**AMOUNT**
	Total Brought Forward From page	-17-			
		-18-			
	Carried to Final Summary			R	-
	Bill No. 2				
	Health and Safety				

Item No		Unit	Quantity	Rate	Amount
	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	3.00		
	IRONMONGERY				
	LOCKS				
	Note: Locks to be suitable for and master and sub master keysystems				
	Union or similar approved				
2	50mm Padlock	No	6.00		
3	Three lever lockset	No	3.00		
	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				

Item No		Unit	Quantity	Rate	Amount
	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	3.00		
	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				
	Rust 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	3.00		
	WASTE UNIONS ETC				
	Brass				
12	32mm Basin waste union	No	3.00		
13	38mm Urinal waste union with chromium plated dome	No	2.00		
	Carried to Collection				
	Bill No. 3 Sundry Builders Work				

Item No		Unit	Quantity	Rate	Amount
	TRAPS ETC				
	uPVC				
14	38 x 50mm Deep seal trap	No	3.00		
	Chromium plated				
15	38 x 50mm Bottle trap	No	2.00		
	TAPS, VALVES, ETC				
	"Cobra watertech" or equal approved				
16	15mm Code KM 2.100 self closing pillar tap	No	4.00		
17	Flushmaster FJ6.000 urinal flush valve	No	2.00		
	SANITARY PLUMBING				
	PVC waste or vent pipes and fittings:				
18	50mm Waste pipe.	m	1.00		
	Extra for:				
19	50mm BSP adapator	No	2.00		
20	50mm Bend.	No	2.00		
21	50mm Access bend.	No	2.00		
	Carried to Collection				
	Bill No. 3				
	Sundry Builders Work				

Item No		Unit	Quantity	Rate	Amount
	Bill No. 3				
	Sundry Builders Work				
	COLLECTION	**Page No**			**AMOUNT**
	Total Brought Forward From page	-20-			
		-21-			
		-22-			
	Carried to Final Summary			R	
	Bill No. 3				
	Sundry Builders Work				

Item No		Unit	Quantity	Rate	Amount
	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	122.40		
	Extra over trench and hole excavations in earth for excavation in				
2	Soft rock	m3	6.12		
3	Hard rock	m3	6.12		
	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	63.72		
	Risk of collapse of excavations:				
4	Sides of trench and hole excavations not exceeding 1,5m deep.	m2	408.00		
	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	58.60		
	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	204.00		
	Carried to Collection				
	Bill No. 4 External Works				

		MBANYANA JUNIOR SECONDARY SCHOOL			
		Omitted scope in Eastern Cape Province - Cluster 3			
Item No		Unit	Quantity	Rate	Amount
	SOIL POISONING				
	Soil insecticide to be executed with SABS compliance by a firm of specialists under a 5 year guarantee				
8	To bottoms and sides of trenches, etc.	m2	612.00		
	REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES				
	25 Mpa/19mm Concrete				
9	Strip footings.	m3	51.00		
	Test blocks:				
10	Making and testing of 150x150x150mm concrete strength test cubes (Provisional).	No	8.00		
	Reinforcement (Provisional)				
11	High tensile steel reinforcement bars to structural concrete work.	t	4.10		
	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	115.60		
	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	105.00		
	Brickwork reinforcement:				
14	230mm Wide reinforcement built in horizontally.	m	680.00		
15	Ditto but in foundations.	m	340.00		
	Carried to Collection				
	Bill No. 4 External Works				

Item No		Unit	Quantity	Rate	Amount
	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-purpose cement):				
16	One brickwall faced on both sides.	m2	105.26		
	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:				
17	230mm wide header course to top of one brick wall bedded and jointed in cement mortar and pointed on top and both sides as described.	m	340.00		
	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.				
18	700 x 80mm thick V' channel 150mm deep in centre laid in position in ground in 2000mm sections including all formwork, reinforcement, expansion joints, smooth finishing to top of concrete surface etc.	m	340.00		
	Extra for 700mm angle.	No	4.00		
19	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 as diffusers including working off concrete to a smooth finish and draining onto natural ground with 150 - 200mm diameter loose stones.	No	4.00		
	THE FOLLOWING IN WALKWAYS				
	Demolish and remove				
20	80mm thick ramps and walkways	m2	12.00		
	Carried to Collection				
	Bill No. 4 External Works				

Item No		Unit	Quantity	Rate	Amount
	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 AASHTO density	m3	3.00		
	Coarse river sand filling supplied by the contractor:				
23	Under floors etc.	m3	1.00		
	Compaction of surfaces:				
24	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	12.00		
	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 beds, slabs, etc to falls and currents.	m2	12.00		
	Test blocks:				
28	Making and testing of 150x150x150mm concrete strength test cubes (Provisional).	No	4.00		
	Expansion joints with bitumen impregnated softboard between vertical concrete or brick surfaces:				
29	12mm Joints not exceeding 300mm high.	m			
	Carried to Collection				
	Bill No. 4 External Works				

		MBANYANA JUNIOR SECONDARY SCHOOL			
		Omitted scope in Eastern Cape Province - Cluster 3			
Item No		Unit	Quantity	Rate	Amount
	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	15.00		
	THE FOLLOWING IN DISABLED ACCESS RAMPS				
	Demolish and remove				
33	80mm thick ramps and walkways	m2			
	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			
	Reinforced 25Mpa/19mm Concrete:				
36	Ramps, Landings, etc.	m3			
	Test blocks:				
37	Making and testing of 150x150x150mm concrete strength test cubes (Provisional).	No			
	Expansion joints with bitumen impregnated softboard between vertical concrete or brick surfaces:				
38	12mm Joints not exceeding 300mm high.	m			
	Carried to Collection				
	Bill No. 4 External Works				

		MBANYANA JUNIOR SECONDARY SCHOOL			
		Omitted scope in Eastern Cape Province - Cluster 3			
Item No		Unit	Quantity	Rate	Amount
	Fabric reinforcement:				
39	REF. 395 fabric reinforcement in concrete surface beds, slabs, etc.	m2			
	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			
	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			
	Prescribed density tests on filling.				
47	In-situ dry density test.	No	2		
	Carried to Collection				
	Bill No. 4 External Works				

Item No		Unit	Quantity	Rate	Amount
	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			
	Excavation in earth not exceeding 2m deep:				
57	Trenches.	m3			
	Carried to Collection				
	Bill No. 4 External Works				

Item No		Unit	Quantity	Rate	Amount
	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			
	Risk of collapse of excavations:				
59	Sides of trench and hole excavations not exceeding 1,5m deep.	m2			
	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			
	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			
	Membrane				
62	""Geofabric filter blanket wrapped around stone with 150mm side and 300mm end laps, including stitching.	m2			
	Keeping excavations free of water:				
63	Keeping excavations free from mud and all water including subterranean sources.	Item			
	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			
	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			
	Extra for:				
66	160mm Tee.	No			
67	160mm Bend.	No			
	Carried to Collection				
	Bill No. 4 External Works				

Item No		Unit	Quantity	Rate	Amount
	THE FOLLOWING IN HEADWALLS				
68	Excavation not exceeding 2m deep.	m3			
69	Risk of collapse not exceeding 1,5m deep	m2			
70	Keeping excavations free from water	Item			
71	Carting away surplus excavated material	m3			
72	150mm layer of G7 material compacted to 95% MOD PASHTO under concrete slab.	m3			
73	150mm layer of G5 material compacted to 95% MOD AASHTO under concrete slab.	m3			
74	25Mpa/19mm Reinforced concrete in bottom slabs and footings.	m3			
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			
77	One brick wall of 14 MPa NFX bricks.	m2			
78	230mm Wide reinforcement built in horizontally.	m			
	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	130		
	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	520		
81	3 Strands of galvanised barbed wire tied to standards, posts and eye bolts	m	390		
	Carried to Collection				
	Bill No. 4 External Works				

Item 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	130		
	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	24		
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	16		
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	2		
86	12mm Diameter galvanised mild steel straining eye bolt with hook, threaded portion and two nuts and washers.	No	32		
87	Form 12mm diameter hole through fence post.	No	64		
	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	1		
	Carried to Collection				
	Bill No. 4 External Works				

Item No		Unit	Quantity	Rate	Amount
	Bill No. 4				
	External Works				
	COLLECTION	**Page No**			**AMOUNT**
	Total Brought Forward From page	-24-			
		-25-			
		-26-			
		-27-			
		-28-			
		-29-			
		-30-			
		-31-			
		-32-			
		-33-			
	Carried to Final Summary			R	
	Bill No. 4 External Works				

Item No		Unit	Quantity	Rate	Amount
	BILL No. 5				
	PROVISIONAL SUMS				
	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.				
	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			
	LANDSCAPING				
	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	

MBANYANA JUNIOR SECONDARY SCHOOL

Omitted scope in Eastern Cape Province - Cluster 3

Bill No		Page No		Amount
1	PRELIMINARIES	-16-		
2	HEALTH AND SAFETY	-19-		
3	SUNDRY BUILDERS WORK	-23-		
4	#REF!	-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	