

Item No.	Unit	Quantity	Rate	Amount
<u>SECTION NO. 1</u>				
<u>BILL NO. 1</u>				
PRELIMINARIES				
<u>BUILDING AGREEMENT AND PRELIMINARIES</u>				
<p>The JBCC Series 2000 Principal Building Agreement (JBCC Edition 4.1 code 2101, March 2005 edition) prepared by the Joint Building Contract Committee shall be the applicable building agreement, amended as hereinafter described</p>				
<p>The ASAQS Preliminaries (November 2007 edition) published by the Association 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</p>				
<p>Contractor's are referred to the abovementioned documents for the full intent and meaning of each clause thereof</p>				
<p>These clauses are hereinafter referred to by clause number and heading only. Where standard clauses or alternatives are not entirely applicable to this contract, 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</p>				
<p>Where any item is not relevant to this specific contract such item is marked N/A, signifying "not applicable"</p>				
<u>PREAMBLES FOR TRADES</u>				
<p>The Model Preambles for Trades (2008 edition) as published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these bills of quantities and no claims arising from brevity of description of items fully described in the said Model Preambles will be entertained</p>				
<p>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</p>				
<p>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</p>				
Carried forward			R	0.00
<p>Section No.1 Bill No. 1 Preliminaries and Generals</p>				

Item No.	Description	Unit	Quantity	Rate	Amount
	Brought Forward				0.00
	<u>SECTION NO. 2</u>				
	<u>BILL NO. 1</u>				
	<u>SECTION A - PRINCIPAL BUILDING AGREEMENT</u>				
	<u>Definitions</u>				
1	Definitions and Interpretation (Clause 1.0)	Item			
	<u>Objective and preparations</u>				
2	Offer, Acceptance and Performance obligations (Clause 2.0)	Item			
3	Documents (Clause 3.0)	Item			
4	Design Responsibility (Clause 4.0)	Item			
5	Employer's Agents (Clause 5.0)	Item			
6	Contractor's site Representative (Clause 6.0)	Item			
7	Compliance with Laws and Regulations (Clause 7.0)	Item			
	<p>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 and Part C4.2 (Annexure C) of this tender document. 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 specifications</p>				
8	Works Risk (Clause 8.0)	Item			
9	Indemnities (Clause 9.0)	Item			
10	General Insurances (Clause 10.0)	Item			
11	Special Insurances (Clause 11)	Item			
12	Effecting Insurances (Clause 12)	Item			
13	Assignment (Clause 13)	Item			
14	Security (Clause 14)	Item			
	<u>Execution</u>				
15	Preparation For and Execution of The Works (Clause 15)	Item			
16	Site and Access (Clause 16)	Item			
	Carried forward				
	Section No.1				
	Bill No. 1				
	Preliminaries and Generals				
				R	0.00

Item No.	Description	Unit	Quantity	Rate	Amount
	Brought Forward				0.00
	<u>SECTION NO. 2</u>				
	<u>BILL NO. 1</u>				
17	Contract Instructions (Clause 17)	Item			
	Setting Out Of The Works (Clause 18) The contractor shall notify the Principal Agent if any encroachments of adjoining foundations, buildings, structures, pavements, boundaries, etc exist in order that the necessary arrangements may be made for the rectification of any such encroachments.	Item			
18	Temporary works and plant (Clause 19) The contractor shall provide, maintain and remove on completion all perimeter scaffolding required by the contractor for the due and proper fulfilment of the works	Item			
19	Nominated Subcontractors (Clause 20)	Item			
20	Selected Subcontractors (Clause 21)	Item			
21	Employer's Direct Contractors (Clause 22)	Item			
22	Contractor's Domestic Subcontractors (Clause 23)	Item			
	<u>Completion</u>				
23	Practical Completion (Clause 24)	Item			
24	Works Completion (Clause 25)	Item			
25	Final Completion (Clause 26)	Item			
26	Latent Defects Liability Period (Clause 27)	Item			
27	Sectional Completion (Clause 28)	Item			
28	Revision of Date for Practical Completion (Clause 29) The removal and replacement of materials and/or workmanship which do not conform to specification or drawing shall not constitute grounds for the extension of the construction period nor the adjustment of contract value (Clause 29.3)	Item			
29	Penalty for Late or Non-Completion (Clause 30)	Item			
	<u>Payment</u>				
30	Interim Payment to the Contractor (Clause 31) The inclusion of materials and goods stored off site in the amount authorized 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.	Item			
	Carried forward				
	Section No.1				
	Bill No. 1				
	Preliminaries and Generals				
				R	0.00

Item No.	Description	Unit	Quantity	Rate	Amount
	Brought Forward				0.00
	<u>SECTION NO. 2</u>				
	<u>BILL NO. 1</u>				
31	Adjustment to the Contract Value (Clause 32) All fluctuations in costs, with the exception of fluctuations in the rate of Value Added Tax, shall be for the account of the contractor.	Item			
32	Recovery of Expense and Loss (Clause 33)	Item			
33	Final Account and Final Payment (Clause 34)	Item			
34	Payment to Other Parties (Clause 35)	Item			
	<u>Termination</u>				
35	Termination by Employer - Contractor's Default (Clause 36)	Item			
36	Termination by Employer - Loss and Damage (Clause 37)	Item			
37	Termination by Contractor - Employer's Default (Clause 38)	Item			
38	Termination - Cessation of the Works (Clause 39)	Item			
	<u>Dispute</u>				
39	Dispute Settlement (Clause 40)	Item			
	<u>Contract Agreement</u>				
40	Post tender provisions (Clause 41)The required post tender information shall be inserted in the post tender provisions after consultation with the contractor	Item			
41	Contractual agreement (Clause 42)The required information of the contracting parties and the amount of the accepted contract sum shall be inserted in the contractual agreement for signature of the agreement by the contracting parties	Item			
	<u>SECTION B: PRELIMINARIES</u>				
	<u>Definitions and Interpretation</u>				
42	Definitions and Interpretation (Clause 1.0)	Item			
	<u>Documents</u>				
43	Checking of Documents (Clause 2.1)	Item			
44	Provisional Bills of Quantities (Clause 2.2)	Item			
45	Availability of Construction Documentation (Clause 2.3)	Item			
	<u>Previous work and adjoining properties</u>				
46	Previous Work - Dimensional Accuracy (Clause 3.1)	Item			
47	Previous Work - Defects (Clause 3.2)	Item			
	Carried forward				
	Section No.1				
	Bill No. 1				
	Preliminaries and Generals				
				R	0.00

Item No.		Unit	Quantity	Rate	Amount
	Brought Forward				0.00
	<u>SECTION NO. 1</u>				
	<u>BILL NO. 1</u>				
48	Inspection of Adjoining Properties (Clause 3.3)	Item			
	<u>Samples, Shop Drawings and Manufacturer's Instructions</u>				
49	Samples of Materials (Clause 4.1)	Item			
50	Workmanship Samples (Clause 4.2)	Item			
51	Shop Drawings (Clause 4.3)	Item			
52	Compliance with Manufacturer's Instructions (Clause 4.4)	Item			
	<u>Deposits and Fees</u>				
53	Deposits and Fees (Clause 5.1)	Item			
	<u>Temporary Services</u>				
54	Water (Clause 6.1)	Item			
55	Electricity (Clause 6.2)	Item			
56	Telecommunication Equipment (Clause 6.3)	Item			
57	Ablution Facilities (Clause 6.4)	Item			
	<u>Prime cost Amounts</u>				
58	Responsibility for Prime Cost Amounts (Clause 7.1)	Item			
	<u>Special Attendance on N/S Subcontractors</u>				
59	Special Attendance (Clause 8.1)	Item			
	<u>GENERAL</u>				
60	Protection of the Works (Clause 9.1)	Item			
61	Protection / Isolation of Existing / Sectionally Occupied Works (Clause 9.2)	Item			
62	Security of the Works (Clause 9.3)	Item			
63	Notice Before Covering Work (Clause 9.4)	Item			
64	Disturbance (Clause 9.5)	Item			
65	Environmental Disturbance (Clause 9.6)	Item			
66	Works Cleaning and Clearing (Clause 9.7)	Item			
67	Vermin (Clause 9.8)	Item			
68	Overhand Work (Clause 9.9)	Item			
	Carried forward				
	Section No.1				
	Bill No. 1				
	Preliminaries and Generals			R	0.00

Item No.	Unit	Quantity	Rate	Amount
				0.00
	Brought Forward			
	SECTION NO. 1			
	BILL NO. 1			
	SECTION C: SPECIFIC PRELIMINARIES			
	<u>Contract Price Adjustment Provisions</u>			
69	Item			
	Bidders are advised that this Contract shall be a Fixed Price Contract and shall not be subject to the Contract Price Adjustment Provisions (CPAP) or any other escalation formula and therefore bidder are to allow for any increases (except any variations in the rate of Value Added Tax) in cost of labour, materials, transport, etc.			
	<u>Site Instructions</u>			
70	Item			
	Site Instructions issued on site are to be recorded in triplicate in a site instruction book which is maintained on site by the contractor. F:..... V:..... T:.....			
	<u>Warranties for material and workmanship</u>			
	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 Principal Agent on certified completion of contract. The warranty shall state that workmanship, materials and installation are warranted for a specified 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:.....			
	<u>Co-operation of contractor for cost management</u>			
71	Item			
	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:.....			
	Carried forward			
			R	0.00
	Section No.1			
	Bill No. 1			
	Preliminaries and Generals			

Item No.		Unit	Quantity	Rate	Amount
	Brought Forward				0.00
	<u>Confidentiality</u>				
72	The contractor undertakes to maintain in confidence any and all information regarding this project and shall obtain appropriate similar undertakings from all subcontractors and suppliers. Such information shall not be used in any way except in connection with the execution of the works No information regarding this project shall be published or disclosed without the prior written consent of the employer F:..... V:..... T:.....	Item			
	<u>Testing of windows for watertightness</u>				
73	Each window shall be tested for watertightness with water sprayed on by means of a 20mm hosepipe using adequate pressure. If in the opinion of the principal agent, the pressure proves to be inadequate, then the pressure in the hosepipe shall be boosted by means of compressed air or other approved means F:..... V:..... T:.....	Item			
74	Tender Data Schedule F:..... V:..... T:.....	Item			
75	General Conditions of Contract F:..... V:..... T:.....	Item			
76	Special Conditions of Contract F:..... V:..... T:.....	Item			
77	Contract Data F:..... V:..... T:.....	Item			
78	Schedule of Variables F:..... V:..... T:.....	Item			
	<u>SUMMARY OF CATEGORIES</u>				
79	Category: Fixed F:.....	Item	1		0.00
80	Category: Value V:.....	Item			
81	Category: Time T:.....	Item			
	Carried Forward to Summary of Section No. 1			R	0.00
	Section No.1				
	Bill No. 1				
	Preliminaries and Generals				

Item No.	Description	Unit	Quantity	Rate	Amount
	Brought Forward				0.00
	<u>SECTION NO. 2</u>				
	<u>BILL NO. 1</u>				
8	Reduced levels under floors	m ³	7		0.00
	<u>Extra over excavations other than bulk in earth for excavation in:</u>				
9	Soft rock.	m ³	28		0.00
10	Hard rock.	m ³	14		0.00
	<u>RISK OF COLLAPSE</u>				
	<u>Risk of collapse to:</u>				
11	Sides of trench and hole excavations not exceeding 2.0m deep.	m ²	278		0.00
	<u>CARTING AWAY</u>				
	<u>Extra over all excavations for loading, carting and dumping surplus excavated material (no allowance made for increase in bulk):</u>				
12	Off site to a dumping site to be located by the Contractor.		123		0.00
	<u>Filling with material from excavations including hauling, spread, level, water and compact to a density of at least 93% Mod. AASHTO maximum density in 150mm thick layers:</u>				
13	Backfilling behind pit walls, holes, etc		31		0.00
14	Backfilling to trenches, holes, etc.		21		0.00
	<u>Selected imported G5/6/7 natural gravel in 150mm layers and spread, level, water and compact to 93% modified AASHTO density in 150mm thick layers:</u>				
15	Under floors, steps, paving, etc.		30		0.00
	<u>Compaction of surfaces</u>				
16	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 93% Mod AASHTO density	m ²	68		0.00
17	Compaction of ground surface under pit slab, including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 95% Mod AASHTO density	m ²	49		0.00
	<u>Prescribed density tests on filling</u>				
18	"Modified AASHTO Density" test	No.	40		0.00
	Carried forward			R	0.00
	Section No.2				
	Bill No. 1				
	Earthworks (Provisional)				

Item No.		Unit	Quantity	Rate	Amount
	Brought Forward				0.00
	<u>SECTION NO. 2</u>				
	<u>BILL NO. 1</u>				
	<u>KEEP EXCAVATIONS FREE OF WATER</u>				
19	Allow for keeping excavations free of water.	Item	1		0.00
	<u>SOIL POISONING</u>				
	<u>Approved brand of anti-termite soil poison applied by a Registered Pest Control Company and guaranteed against termite infestation for ten years:</u>				
20	Under floors, etc. including forming and poisoning shallow furrows against foundation walls etc., filling in furrows and ramming.	m ²	97		0.00
21	To bottom and sides of trenches, etc.	m ²	45		0.00
	Carried Forward to Summary of Section No. 2				
	Section No.2				
	Bill No. 1				
	Earthworks (Provisional)				
				R	0.00

Item No.	Unit	Quantity	Rate	Amount
<u>SECTION NO. 2</u>				
<u>BILL NO. 2</u>				
<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>				
<u>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition) and to the Supplementary Preambles which are incorporated in these Bills of Quantities.</u>				
<u>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>				
<u>Grade 15Mpa/19mm concrete</u>				
1				
	m ³	5		0.00
<u>50mm concrete blinding under footings and bases</u>				
<u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>				
<u>25MPa/19mm Concrete in:</u>				
3				
	m ³	25		0.00
<u>Slab</u>				
<u>TEST BLOCKS</u>				
<u>Test Blocks:</u>				
8				
	Sets	20		0.00
<u>Making and testing set of three 150 x 150 x 150mm concrete strength test cubes.</u>				
<u>CONCRETE SUNDRIES</u>				
<u>Finishing top surfaces of concrete smooth with a wood float:</u>				
9				
	m ²	58		0.00
<u>Surface beds, slabs, etc.</u>				
<u>Finishing top surfaces of concrete smooth with a power float:</u>				
10				
	m ²	40		0.00
<u>Surface beds, slabs, etc. in narrow widths.</u>				
Carried forward			R	0.00
Section No.2				
Bill No. 2				
Concrete, Formwork and Reinforcement				

Item No.	Description	Unit	Quantity	Rate	Amount
	Brought Forward				0.00
	<u>SECTION NO. 2</u>				
	<u>BILL NO. 2</u>				
	<u>SMOOTH FORMWORK (DEGREE OF ACCURACY 1)</u>				
	<u>Smooth formwork to sides</u>				
11	Rectangular columns in foundation (provisional)	m ²	1		0.00
12	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	10		0.00
	<u>MOVEMENT JOINTS, ETC.</u>				
	<u>Expansion joints with Bitumen impregnated softboard between vertical concrete and brick surfaces:</u>				
13	10mm Thick joint not exceeding 300mm high.	m	90		0.00
	<u>REINFORCEMENT</u>				
	<u>Mild / High tensile steel reinforcement to structural concrete work</u>				
14	Diameter in Varying Diameter bars	t	0.50		0.00
	<u>Fabric reinforcement with minimum 400mm wide overlaps:</u>				
15	Type 193/245 Fabric reinforcement in concrete surface beds, slabs, etc.	m ²	100		0.00
16	Type 395 Fabric reinforcement in concrete surface beds, slabs, etc.	m ²	30		0.00
	Carried Forward to Summary of Section No. 2			R	0.00
	Section No.2				
	Bill No. 2				
	Concrete, Formwork and Reinforcement				

Item No.		Unit	Quantity	Rate
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 3</u>			
	<u>MASONRY</u>			
	<u>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition) and to the Supplementary Preambles which are incorporated in these Bills of Quantities.</u>			
	<u>BRICKWORK IN SUPERSTRUCTURE</u>			
	<u>Brickwork in burnt clay NFP bricks in 3:1 cement mortar:</u>			
5	Half brick walls.	m ²	150	
6	One brick walls.	m ²	75	
	<u>BRICKWORK SUNDRIES</u>			
	<u>Brick reinforcement:</u>			
7	75mm Wide reinforcement built in horizontally.	m	450	
8	150mm Wide reinforcement built in horizontally.	m	200	
	<u>FACE BRICKWORK</u>			
	<u>External facings in approved face bricks (FBS) bricks delivered to site (excluding VAT) pointed with recessed horizontal and vertical joints:</u>			
12	Extra over brickwork for face brickwork.	m ²	75	
	Carried Forward to Summary of Section No. 2			
	Section No.2			
	Bill No. 3			
	Masonry			

Amount

0.00

0.00

0.00

0.00

0.00

0.00

Item No.	Unit	Quantity	Rate	Amount
<u>SECTION NO. 2</u>				
<u>BILL NO. 4</u>				
<u>WATERPROOFING</u>				
<u>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition) and to the Supplementary Preambles which are incorporated in these Bills of Quantities.</u>				
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>Waterproofing</u>				
Waterproofing of roofs, basements, etc. shall be laid under a ten year guarantee. Waterproofing to roofs shall be laid to even falls to outlets etc with necessary ridges, hips and valleys. Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs.				
<u>One layer of 250 micron "Consol Plastics Gunplas USB Green" waterproof sheeting sealed at laps with "Gunplas Pressure Sensitive Tape":</u>				
2	m	58		0.00
<u>JOINT SEALANTS, ETC.</u>				
<u>Prepare and apply two coats bitumen foam plastic joint sealing strip:</u>				
3	m	99		0.00
4	m	31		0.00
<u>Silicone sealing compound including raking out joint filler as necessary and backing cord, bond breaker, primer, etc.:</u>				
5	m	35		0.00
Carried Forward to Summary of Section No. 2			R	0.00
Section No.2				
Bill No. 4				
Waterproofing				

Item No.		Unit	Quantity	Rate	Amount
	<u>SECTION NO. 2</u>				
	<u>BILL NO. 5</u>				
	<u>ROOF COVERINGS, ETC.</u>				
	<u>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition) and to the Supplementary Preambles which are incorporated in these Bills of Quantities.</u>				
	<u>PROFILED SHEETING OF METAL, FIBRE-CEMENT, PLASTICS, ETC.</u>				
	<u>IBR Roof Sheeting with Chromadek finish on 75 x 50mm timber purlins on timber trusses to specialist design, roof sheet colour to Architects approval</u>				
1	Sheeting laid to roof with pitch not exceeding 20 degrees in single lengths (measured nett).	m ²	1000		0.00
2	Drip flashing	m	250		0.00
	ROOF INSULATION				
	<u>Fibreglass reinforced aluminium foil faced resin bonded glass fibre flexible building insulation:</u>				
3	50mm Thick fibreglass roof insulation (10kg/m ³) laid taut over purlins (purlins at approximately 2m centres) with minimum 100mm side laps and fixed concurrent with roof covering including galvanised steel straining wires, etc.	m ²	1500		0.00
	Carried Forward to Summary of Section No. 2				
	Section No.2				
	Bill No. 5				
	Roof Coverings, Etc				
				R	0.00

Item No.	Unit	Quantity	Rate	Amount
<u>SECTION NO. 2</u>				
<u>BILL NO.6</u>				
<u>CARPENTRY AND JOINERY</u>				
<u>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition) and to the Supplementary Preambles which are incorporated in these Bills of Quantities.</u>				
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>ROOFS, ETC</u>				
<u>Plate nailed timber roof truss construction</u>				
1	No	4		0.00
Roof construction, 32m ² overall, including wall plates, trusses, jack rafters, permanent bracing and 50 x 75mm purlins at 1,20m centres for roof covering				
2	No	2		0.00
Roof construction, 24m ² overall, including wall plates, trusses, jack rafters, permanent bracing and 50 x 75mm purlins at 1,20m centres for roof covering				
3	m			0.00
Roof construction, 32m ² overall, including wall plates, trusses, jack rafters, permanent bracing and 50 x 75mm purlins at 1,20m centres for roof covering				
<u>EAVES,VERGES, ETC</u>				
<u>"Everite" medium density plain nutec-cement</u>				
4	m	130		0.00
32 x 219mm Fascias and barge boards				
<u>DOORS, WINDOWS, SASHES, ETC.</u>				
<u>Solid flush doors:</u>				
5	No	5		0.00
Standard flush panel door with masonite veneer on both sides prepared for painting. average door size overall 762 x 2032mm high. (D1)				
<u>Solid flush doors with commercial veneer on both sides hung on steel frames suitable for 220mm thick wall (frames elsewhere):</u>				
6	No	30		0.00
Standard 44mm thick solid core flush panel with hardwood timber veneer on both sides prepared for painting. average door size overall 813 x 2032mm high. (D2)				
Carried Forward to Summary of Section No. 2			R	0.00
Section No.2				
Bill No. 6				
Carpentry and Joinery				

Item No.		Unit	Quantity	Rate	Amount
	<u>SECTION NO. 2</u>				
	<u>BILL NO.8</u>				
	<u>IRONMONGERY</u>				
	<u>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition) and to the Supplementary Preambles which are incorporated in these Bills of Quantities.</u>				
	<u>LOCKS</u>				
	<u>The following locks are in one set with a master key:</u>				
	"Solid Art 390/311" chromium plated two lever mortice lockset.	No	35		0.00
	Carried Forward to Summary of Section No. 2				
	Section No.2			R	0.00
	Bill No. 8				
	Ironmongery				

Item No.	Unit	Quantity	Rate	Amount
<u>SECTION NO. 2</u>				
<u>BILL NO.9</u>				
<u>METALWORK</u>				
<u>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition) and to the Supplementary Preambles which are incorporated in these Bills of Quantities.</u>				
<u>PRESSED STEEL DOOR FRAMES</u>				
<u>Standard 1.2mm thick single rebated pressed mild steel frames, complete with mild steel lugs and 100mm butt hinges, all welded to frame</u>				
1	No	5		0.00
<u>Standard 1.2mm thick single rebated pressed mild steel frames, complete with mild steel lugs and 100mm butt hinges, all welded to frame by durowin pressings</u>				
2	No	5		0.00
<u>STEEL WINDOWS, DOORS, ETC.</u>				
<u>Purpose-made security steel window based on RF7 standard window frame, complete with purpose-made internal and external screens and glazed in 6.4mm laminated safety glass</u>				
3	No	5		0.00
Carried Forward to Summary of Section No. 2				
Section No. 2				
Bill No. 9				
Metalwork				R 0.00

Item No.		Unit	Quantity	Rate	Amount
	<u>SECTION NO. 2</u>				
	<u>BILL NO. 10</u>				
	<u>PLASTERING</u>				
	<u>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition) and to the Supplementary Preambles which are incorporated in these Bills of Quantities.</u>				
	<u>SCREEDS</u>				
	<u>Screeds on concrete:</u>				
1	30mm thick on floors to receive waterproofing	m ²	78		0.00
	<u>INTERNAL PLASTER</u>				
	<u>One coat cement plaster minimum 15mm thick (5:1) wood floated to receive tiles (elsewhere) including all labours on:</u>				
2	On wall	m ²	259		0.00
3	Narrow widths, not exceeding 300mm wide	m ²	20		0.00
	Carried Forward to Summary of Section No. 2				
	Section No. 2				
	Bill No. 10				
	Plastering				
				R	0.00

Item No.		Unit	Quantity	Rate	Amount	
	<u>SECTION NO. 2</u>					
	<u>BILL NO. 11</u>					
	<u>TILING</u>					
	<u>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition) and to the Supplementary Preambles which are incorporated in these Bills of Quantities.</u>					
	<u>WALL TILING</u>					
	<u>200mm x 200mm x 6mm Thick glazed ceramic wall tiles (P.C. allowance of R 100/m2 excludes V.A.T. but includes delivery to site), and add for waste, laying, fixing with an approved adhesive and jointing and pointing in `Tal' grout to:</u>					
	On splashbacks.	m ²			0.00	
	<u>FLOOR TILING</u>					
2	<u>Allow a Prime Cost Amount of R 200/m2 for non-slip scratch resistant vinyl floor tiles size 400 x</u>					
3	<u>400mm fixed with an approved adhesive on plaster bedding (bedding elsewhere) and flush pointed with</u>					
	<u>tinted waterproof jointing compound:</u>					
	On floors.	m ²	500		0.00	
	In narrow widths.	m ²	30		0.00	
	Skirting 130mm high (plaster elsewhere)	m ²	116		0.00	
	<u>ALUMINIUM AND PVC TRIMS, ETC.</u>					
	'Genesis ESA 150' natural anodised aluminium straight edge protector 12mm high at junction of differing floor	m	20		0.00	
	Carried Forward to Summary of Section No. 2				R	0.00
	Section No. 2					
	Bill No. 11					
	Tiling					

Item No.		Unit	Quantity	Rate	Amount
	Section No.2 Bill No. 12 Plumbing and Drainage				
	Brought Forward				0.00
	<u>SECTION NO. 2</u>				
	<u>BILL NO. 12</u>				
17	15mm Pillar taps	No	9		0.00
18	20mm PA3.132 "Masterflo 1" pressure reducing valve	No	4		0.00
	Carried Forward to Summary of Section No. 2			R	0.00
	Section No.2 Bill No. 12 Plumbing and Drainage				

Item No.		Unit	Quantity	Rate	Amount	
	<u>SECTION NO. 2</u>					
	<u>BILL NO.13</u>					
	<u>GLAZING</u>					
	<u>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition) and to the Supplementary Preambles which are incorporated in these Bills of Quantities.</u>					
	<u>Glass in steel fixed with putty</u>					
1	4mm Clear float glass in squares exceeding 0,1 and not exceeding 0,5 square metre in area	m ²	50		0.00	
	<u>TOPS, SHELVES, DOORS, MIRROR ETC</u>					
	<u>4 mm Silvered float glass copper backed mirrors with polished bevelled edges fixed with double sided adhesive tape to and including painted supawood sub-frame approximately 350 x 900 mm fixed to and including galvanised angle section cleats/brackets</u>					
2	Mirror 900 x 600 mm high	No	9		0.00	
	Carried Forward to Summary of Section No. 2				R	0.00
	Section No. 2					
	Bill No. 13					
	Glazing					

Item No.		Unit	Quantity	Rate	Amount	
	<u>SECTION NO. 2</u>					
	<u>BILL NO.14</u>					
	<u>PAINTWORK</u>					
	<u>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition) and to the Supplementary Preambles which are incorporated in these Bills of Quantities.</u>					
	<u>PLASTER</u>					
	<u>PAINTWORK, ETC TO NEW WORK ON</u>					
	<u>FLOATED PLASTER SURFACES WITH</u>					
	<u>Prepare and apply one coat "Plascon" plaster primer, one coat undercoat and two coats "Plascon Polvin Super Acrylic PVA" paint on:</u>					
1	Internal and external walls	m ²	1000		0.00	
2	Narrow widths, not exceeding 300mm wide	m ²	150		0.00	
	<u>PLASTER BOARD SURFACES WITH</u>					
	<u>One coat alkali resistant plaster primer and two coats "PVA emulsion" paint on</u>					
3	Ceilings and cornices	m ²	1500		0.00	
4	Fascias and barge boards	m ²	55		0.00	
	<u>METAL</u>					
	<u>Prepare and apply one coat factory primed red oxide, one coat "undercoat" and two coats velvaglio paint, all paint to be as per manufacturer's specification:</u>					
5	Roof coverings	m ²	500		0.00	
6	Door frames.	m ²	30		0.00	
7	Grilles, gates, etc. (both sides measured).	m ²	15		0.00	
	<u>WOOD</u>					
	<u>Prepare and apply one coat "undercoat", two coat "Velvaglio" all paint to be as per manufacturer's specification:</u>					
8	General surfaces of doors.	m ²	25		0.00	
	Carried Forward to Summary of Section No. 2				R	0.00
	Section No. 2					
	Bill No. 14					
	Paintwork					

Item No.		Unit	Quantity	Rate	Amount
	<u>SECTION NO. 2</u>				
	<u>BILL NO. 15</u>				
	<u>APRONS AND V - DRAINS (PROVISIONAL)</u>				
	<u>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition) and to the Supplementary Preambles which are incorporated in these Bills of Quantities.</u>				
	<u>SUPPLEMENTARY PREAMBLES</u>				
	<u>Earth filling supplied but Contractor, spread and levelled in layers not exceeding 300mm deep and compacted to 93% Mod AASHTO.</u>				
1	Approved earth filling by Contractor under solid floors, steps, pavings, etc	m ³	45		0.00
	<u>Compaction of surfaces</u>				
2	Compaction of ground surface under floors etc including scarifying for a depth of 100mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% Mod AASHTO density	m ²	80		0.00
	<u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>				
	<u>20MPa/19mm Concrete in:</u>				
3	V-shaped channel 1000mm wide x average 130mm thick with rounded salient edges and finished on exposed surfaces with 2:1 cement mortar, laid to falls in panels not exceeding 2000mm long, etc and including all necessary excavation, formwork, filling, etc	m	80		0.00
4	Extra over 1000mm channel for angles, intersections, ends, dressing into sides of catchpits, etc	No	12		0.00
5	Rainwater spreader, 1500mm wide at one end and tapering to 1000mm wide at the other, formed of 125mm thick class 20/19 base concrete filled with 16 No. concrete bricks cast into concrete whilst still green and 100 x 150mm high upstand edge beam, all with and including necessary excavation, compaction, formwork, etc	No	5		0.00
	<u>SMOOTH FORMWORK (DEGREE OF ACCURACY II)</u>				
	<u>Smooth formwork to sides</u>				
6	Edges, risers, ends and reveals not exceeding 300mm high or wide	m ²	50		0.00
	<u>Expansion joints with 12mm bitumen impregnated softboard between vertical concrete and brick surfaces</u>				
7	12mm Joints not exceeding 300mm high	m	52		0.00
	<u>Fabric reinforcement</u>				
8	Type 193/245 Fabric reinforcement in concrete surface beds, slabs, etc.	m ²	80		0.00
				R	0.00
	Carried forward				
	Section No.2				
	Bill No. 16				
	Aprons and V-Drains				

Item No.		Unit	Quantity	Rate	Amount
	<u>SECTION NO. 2</u>				
	<u>BILL NO. 16</u>				
	<u>FENCING</u>				
	<u>Supply and erect new fencing material for new</u>				
1	Installation of 2.4 high clearVu Fence including all accessories	m	400		0.00
	<u>New gates, single leaf:</u>				
2	1.2m x 4m vehicle gate	No	1		0.00
3	1.2m x 1.0m pedestrian gate	No	1		0.00
	<u>Dismantling existing fences:</u>				
4	Dismantling of existing Fences and disposal of all debris	m	400		0.00
5	Dismantling of existing Gates	No	2		0.00
	Carried Forward to Summary of Section No. 2			R	0.00
	Section No.2				
	Bill No. 16				
	Fencing				

Bill No.	SECTION SUMMARY - Imbalenhle Primary School	Page No		Amount
1	Earthworks (Provisional)			0.00
2	Concrete, Formwork and Reinforcemet			0.00
3	Mansory			0.00
4	Waterproofing			0.00
5	Roof Coverings, Etc			0.00
6	Carpentry and Joinery			0.00
7	Ceilings, Partitions and Access Flooring			0.00
8	Ironmongery			0.00
9	Metalwork			0.00
10	Plastering			0.00
11	Tiling			0.00
12	Plumbing and Drainage			0.00
13	Glazing			0.00
14	Paintwork			0.00
15	Aprons and V-Drains (Provisional)			0.00
16	Fencing			0.00
	Carried to Final Summary		R	0.00
	Section No.2			

Item No.	Unit	Quantity	Rate	Amount
<u>SECTION NO. 3</u>				
<u>BILL NO. 1</u>				
<u>PROVISIONAL SUMS</u>				
<u>The tenderer is referred to the relevant clauses in the separate document Model Preambles for the trades (1999 Edition) and to the supplementary Preambles which are incorporated in these bills of Quantities.</u>				
The following sums and amounts are NETT.				
Under no circumstances may any Provisional Sum or P.C Item be altered.				
<u>ALLOW THE FOLLOWING PROVISIONAL SUMS</u>				
<u>COMMUNITY LIASON OFFICER</u>				
1		1		
Provide the amount of R 100,000.00 (One Hundred thousand Rantle)m nett for Community Liason Officer's Salary to be omitted in part or whole as instructed by Principal Agent (R10 000 per month				
2	%	1		0.00
Profit and attendance on above item.				
3	%	1		0.00
Attendance on ditto.				
<u>ELECTRICAL REPAIRS</u>				
4	Item	1		0.00
Provide the amount of R 150,000.00 (One Hendred and Fifty thousand Rands) for repair works on the existing electrical installation, to be omitted in part or whole as instructed by Principal Agent.				
5	%	1		0.00
Profit and attendance on above item.				
6	%	1		0.00
Attendance on ditto.				
Carried Forward to Summary of Section No. 2			R	0.00
Section No. 3				
Bill No. 1				
Provisional Sums				

SECTION No.	<u>FINAL SUMMARY</u>	Page No	Amount
1	Preliminaries and Generals	7	0.00
2	Imbalenhle Primary School	32	0.00
3	Provisional Sums	33	0.00
	SUB-TOTAL		0.00
	<u>CONTINGENCIES</u>		0.00
	Allow five Percent (5%) on the sub-total above for Contingencies to be used at the discretion of the Client (Employer)and to be deducted in whole or in part if not required		
	SUB-TOTAL		0.00
	Value Added Tax (15%)		0.00
	Total to Tender		0.00
	Total to tender		R 0.00