

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO. 1</u></p> <p><u>BILL NO. 1</u></p> <p><u>PRELIMINARIES</u></p> <p>1. The Principal Building Agreement shall be the JBCC Series Edition 4.1, March 2005 as recommended by the Joint Building Contract Committee and as amended by this Tender Enquiry.</p> <p>2. The Preliminaries shall be JBCC Series 2000, May 2005 for use with the Principal Building Agreement as recommended by the Joint Building Contracts Committee and as amended by this Tender Enquiry shall be deemed to be incorporated herein.</p> <p>3. Tenderers are referred to the above mentioned documents for the full intent and meaning of each clause thereof. These clauses are hereinafter referred to by clause number and heading only.</p> <p>4. Where standard clauses or alternatives are not entirely applicable to this contract, such modifications, corrections or additions as are necessary, are given as far as possible under each relevant clause heading. Additional Preliminary clauses are contained in Section C hereof.</p> <p>5. No claim whatsoever shall be entertained in respect of errors or omissions in pricing due to brevity of descriptions of items which are fully described when read in conjunction with the relevant clauses of the said Principal Building Agreement, Preliminaries and Preambles.</p> <p>6. The Tenderers shall allow opposite each of the clauses whatever costs and charges he may consider necessary for the carrying out, complying with and due observance of the provisions, conditions and requirements set out herein. Only priced items will be considered in respect of any adjustment of this Section. Any items left unpriced will be understood to be provided free of charge and no claim for any extras arising out of the Tenderer's omission to price any item will be entertained.</p>			
	Carried Forward		R	
	Section No. 1 Bill No. 1 General Preliminaries			

	Brought Forward		R
	<p>7. Where modifications or amendments as described are made, such modifications and/or amendments shall supercede any conflicting provisions in the relevant clauses of the Standard Preliminaries or the Principal Building Agreement and the Tenderer shall make due allowance for whatever costs and charges he may consider necessary for the carrying out and observance of the provisions of the clauses as modified and/or amended.</p> <p>8. Where any item is not relevant to this specific contract, such item is marked N/A.</p> <p>9. If Alternative A as set out in clause B10.3 hereinafter is to be used for the adjustment of the preliminaries, each item priced is to be allocated to one or more of the three categories by insertion of "F", "V", "T" as the case may be against the price in the "rate" column immediately preceding the "amount" column, where "F" denotes a fixed amount (amount not to be varied), "V" denotes an amount variable in proportion to value, and "T" denotes an amount proportionate to time.</p> <p><u>SECTION A: PRINCIPAL BUILDING AGREEMENT</u></p> <p><u>DEFINITIONS</u></p> <p>Definitions and interpretation (Clause 1).</p>		
1	<p>F: V: T:</p> <p><u>OBJECTIVE AND PREPARATION</u></p> <p>Offer, acceptance and performance (Clause 2).</p>	Item	
2	<p>F: V: T:</p> <p>Documents (Clause 3). Clause 3.1 is deleted and substituted with: 'This tender is for a Government Contract. No Payment Guarantee will be provided.' Clause 3.3 is deleted and substituted with: The principal agent shall complete the schedule and arrange for formal signing of the agreement once the priced bill of quantities/lump sum document, security, insurances and waiver of lien, where acceptable, have been provided and effected'.</p>	Item	
	Carried Forward		R
	<p>Section No. 1 Bill No. 1 General Preliminaries</p>		

	Brought Forward		R
3	F: V: T: Design responsibility (Clause 4).	Item	
4	F: V: T: Employer's agents (Clause 5).	Item	
5	F: V: T: Site representative (Clause 6).	Item	
6	F: V: T: Compliance with regulations (Clause 7).	Item	
7	F: V: T: Works risk (Clause 8)	Item	
8	F: V: T: Indemnities (Clause 9). Clause 9.1.1 is deleted and substituted with: Claims from other parties consequent upon death of bodily injury or illness of any person or physical loss or damage to any property, other than the works, arising out or due to the execution of the works or occupation of the site by the contractor or his sub contractors'.	Item	
9	F: V: T: Works insurances (Clause 10).	Item	
10	F: V: T: Liability insurances (Clause 11).	Item	
11	F: V: T: Effecting insurances (Clause 12).	Item	
12	F: V: T: State Provisions (Clause 13).	Item	
13	F: V: T:	Item	
	Carried Forward		R
	Section No. 1 Bill No. 1 General Preliminaries		

	Brought Forward		R
	Security (Clause 14).		
14	F: V: T:	Item	
	<u>EXECUTION</u>		
	Preparation for and execution of the works (Clause 15).		
15	F: V: T:	Item	
	Access to the works (Clause 16).		
16	F: V: T:	Item	
	Contract instructions (Clause 17).		
17	F: V: T:	Item	
	Setting out of the works (Clause 18.3).		
	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. Should incorrect information be given to the contractor in terms of 18.1 and 18.2, which causes the incorrect setting out of the works, the contractor shall not be liable for such incorrect setting out.		
18	F: V: T:	Item	
	Assignment (Clause 19).		
19	F: V: T:	Item	
	Nominated subcontractors (Clause 20).		
20	F: V: T:	Item	
	Selected subcontractors (Clause 21).		
21	F: V: T:	Item	
	Employer's Direct contractors (Clause 22).		
22	F: V: T:	Item	
	Carried Forward		R
	Section No. 1		
	Bill No. 1		
	General Preliminaries		

	Brought Forward		R
	Contractor's Domestic subcontractors (Clause 23).		
23	F: V: T:	Item	
	<u>COMPLETION</u>		
	Practical completion (Clause 24).		
24	F: V: T:	Item	
	Works completion (Clause 25).		
25	F: V: T:	Item	
	Final completion (Clause 26).		
	Latent defects liability period (Clause 27).		
	Clause 27.0 is amended by the addition of the following clauses: "27.3 Any water leakage into the building, whether in the roof, external wall or other element of the building susceptible to water leakage shall, unless proven to be a design defect, or as a result of obvious storm damage, be classified as a latent defect in terms of clause 1.0 Definitions and Interpretations". "27.4 The Contractor shall attend to defects during the Defects Liability Period on a progressive basis, to the satisfaction of the Principal Agent and will not be permitted to wait until the end of the Defect Liability Period or until the amount of defects accumulates in order to attend to a comprehensive list of defects"		
26	F: V: T:	Item	
	Sectional completion (Clause 28).		
27	F: V: T:	Item	
	Revision of date for practical completion (Clause 29).		
28	F: V: T:	Item	
	Penalty for non-completion (Clause 30).		
29	F: V: T:	Item	
	Carried Forward		R
	Section No. 1 Bill No. 1 General Preliminaries		

	Brought Forward		R
	<u>PAYMENT</u>		
	Interim payment to the contractor (Clause 31). The inclusion of materials and goods stored off site in the amount authorised for payment in terms of clause 31.3 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. Where prices are submitted by the contractor or nominated/selected sub contractor during the progress of the works in respect of contract instructions or in regard to a claim under the terms of the contract 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 final certificate, it will be in writing. Adjustment to the contract value (Clause 32).		
30	F: V: T: Recovery of expense and loss (Clause 33).	Item	
31	F: V: T: Final account and final payment (Clause 34).	Item	
32	F: V: T: Payment to other parties (Clause 35).	Item	
33	F: V: T:	Item	
	<u>CANCELLATION</u>		
	Cancellation by Employer - Contractor's default (Clause 36).		
34	F: V: T:	Item	
	Cancellation by Employer - Loss and damage (Clause 37).		
35	F: V: T:	Item	
	Cancellation by Contractor - Employer's default (Clause 38).		
	Carried Forward		R
	Section No. 1 Bill No. 1 General Preliminaries		

	Brought Forward		R
36	F: V: T: Cancellation - Cessation of the works (Clause 39).	Item	
37	F: V: T: <u>DISPUTE</u> Dispute Settlement (Clause 40)	Item	
38	F: V: T: <u>SUBSTITUTE PROVISIONS</u> State Clauses (Clause 41)	Item	
39	F: V: T: <u>CONTRACT VARIABLES</u> The Schedule: Pre-Tender information (Clause 42).	Item	
40	F: V: T: <u>CONTRACTING AND OTHER PARTIES (Clause 42.1)</u> Employer: The Mvula Trust Postal Address: 67 Devereux Avenue, Vincent, East London Telephone: 043 726 2255 Facsimile: 043 726 5967 Physical address: 67 Devereux Avenue, Vincent, East London Principal Agent: Mgiba Consulting Engineers Telephone: 015 065 0838 Physical address: 8 Jordy Place, Arum Road, Gonubie North, East London, 5257	Item	
	Carried Forward		R
	Section No. 1 Bill No. 1 General Preliminaries		

<p>Brought Forward</p> <p><u>CONTRACT DETAILS (Clause 42.2)</u></p> <p>Clause 42.2.1 Works Description: Construction of new ablution facilities.</p> <p>Clause 42.2.2 Site Description: The site is the existing school</p> <p>Clause 42.2.3 Work or Installations by Others: NIL</p> <p>Clause 42.2.4 This Agreement is for a State Contract :- Yes Payment will be made for materials and goods:- Yes Dispute resolution :- Mediation (in terms of clause 40) followed by litigation. Arbitration rules as recommended by the Association of Arbitrators (SA) :- N/A</p> <p>Clause 42.2.5 Date on which possession of the site is intended to be given on :- To be advised.</p> <p>Clause 42.2.6 Period for the commencement of the works after the contractor takes possession of the site :- 5 Working days. Completion in Sections are required : NO</p> <p>Clause 42.2.7 Intended date of practical completion and the penalty per calendar day for the works as a whole :- To be advised Penalty amount will be 5,75c/R100 of Contract Sum.</p> <p>Clause 42.2.8 Intended dates of practical completion and the penalties per calendar day for the works in sections : N/A</p> <p>Clause 42.2.9 The law applicable to this agreement shall be that of - Republic of South Africa.</p>		<p>R</p>	
<p>Carried Forward</p>		<p>R</p>	
<p>Section No. 1 Bill No. 1 General Preliminaries</p>			

	Brought Forward		R
	<p><u>INSURANCES (Clause 42.3)</u></p> <p>Clause 42.3.1 Contract works insurance to be effected by Contractor for the sum of: Contract Sum With a deductible of : Not exceeding 5% of each and every claim.</p> <p>Clause 42.3.2 Supplementary insurance is required : Yes SASRIA insurance required to be effected by the Contractor for the amount of: Contract Sum plus 20% (with a deductible to be determined by the Insurance company issuing the policy).</p> <p>Clause 42.3.3 Public liability insurance to be effected by Contractor For the amount of: R 5million With a deductible of: Not exceeding 5% of each and every claim.</p> <p><u>DOCUMENTS (Clause 42.4)</u></p> <p>Clause 42.4.1 Waiver of the contractor's lien is required :- YES</p> <p>Clause 42.4.2 Number of construction document copies to be supplied to the Contractor free of charge :- 1</p> <p>Clause 42.4.3 Bills of Quantities drawn up in accordance with :- Standard System of Measuring Building Work - Seventh Edition including all amendments</p> <p>Clause 42.4.4 Number of days for submission of priced documents : 5 working days from the Letter of Appointment.</p> <p>Clause 42.4.5 JBCC Engineering General Conditions are to be included in the documents :- No</p> <p>Clause 42.4.6 The contract value is to be adjusted using CPAP:- NO</p>		
41	<p>F: V: T:</p> <p><u>SECTION B: PRELIMINARIES</u></p> <p><u>DEFINITIONS AND INTERPRETATION (B1)</u></p> <p>Definitions and Interpretation (B1)</p>	Item	
	Carried Forward		R
	<p>Section No. 1 Bill No. 1 General Preliminaries</p>		

	Brought Forward		R
	<u>DOCUMENTS (B2)</u>		
	Checking of documents (B2.1)		
	Notwithstanding the issue of the tender drawings, it will remain the responsibility of the Tenderer to study all available drawings at the offices of the Principal Agent during normal working hours in order to acquaint himself with all the cost implications of the design, programming, phasing, etc.		
42	F: V: T:	Item	
	Provisional Bills of Quantities (B2.2) YES Prime Cost Amounts, Budgetary Allowances, Provisional Amounts, etc., contained herein may be omitted or reduced at the Principal Agent's sole discretion and the Contractor shall not be entitled to claim for any loss by way of reduction or omission of any discount, or percentage relating to Prime Cost Amounts, Budgetary Allowances, Provisional Amounts, Provisional Quantities, etc., or loss of profit related thereto.		
43	F: V: T:	Item	
	Availability of construction documentation (B2.3)		
44	F: V: T:	Item	
	Interests of Agents (B2.4)		
45	F: V: T:	Item	
	Priced documents (B2.5)		
46	F: V: T:	Item	
	Tender submission (B2.6)		
	Notwithstanding anything contained in this clause, Tenders shall be valid for a period of 20 (Twenty) weeks from the closing date of tenders.		
47	F: V: T:	Item	
	Carried Forward		R
	Section No. 1 Bill No. 1 General Preliminaries		

	Brought Forward		R
	<u>THE SITE (B3)</u>		
	Defined works area (B3.1) The area of the works to be occupied by the contractor, any restriction on the area and the limit of access or exit will be pointed out to the contractor by the principal agent on handing over of the site. Workmen employed on the site are to be restricted to the immediate area of the site and access thereto. The Tenderer shall make all necessary provision in all rates to take into account these requirements as no claims for extras arising from these matters will be subsequently entertained or admitted.		
48	F: V: T: Geotechnical investigation (B3.2) A desktop geotechnical report is available upon request.	Item	
49	F: V: T: Inspection of the Site (B3.3)	Item	
50	F: V: T: Existing premises occupied (B3.4)	Item	
51	F: V: T: Previous work - dimensional accuracy (B3.5)	Item	
52	F: V: T: Previous work - defects (B3.6)	Item	
53	F: V: T: Services - known (B3.7)	Item	
54	F: V: T: Services - unknown (B3.8)	Item	
55	F: V: T: Protection of trees (B3.9)	Item	
	Carried Forward		R
	Section No. 1 Bill No. 1 General Preliminaries		

	Brought Forward		R
56	F: V: T: Articles of value (B3.10)	Item	
57	F: V: T: Inspection of adjoining properties (B3.11)	Item	
58	F: V: T:	Item	
<u>MANAGEMENT OF CONTRACT (B4)</u>			
Management of the Works (B4.1)			
59	F: V: T: Programme for the Works (B4.2)	Item	
60	F: V: T: Progress meetings (B4.3)	Item	
61	F: V: T: Technical meetings (B4.4)	Item	
62	F: V: T:	Item	
<u>SAMPLES AND SHOP DRAWINGS (B5)</u>			
Samples of materials (B5.1)			
63	F: V: T: Workmanship samples (B5.2)	Item	
64	F: V: T: Shop drawings (B5.3)	Item	
65	F: V: T:	Item	
<u>TEMPORARY WORKS AND PLANT (B6)</u>			
Deposits and fees (B6.1)			
66	F: V: T:	Item	
Carried Forward			R
Section No. 1 Bill No. 1 General Preliminaries			

Brought Forward			R
	<p>Enclosure of the works (B6.2) The contractor shall erect, maintain and remove at completion, hoardings, safety screens, barriers, access gates, covered gangways and the like as necessary for the enclosure of the works and elements thereof all for the protection of the public and others.</p> <p>F: V: T:</p>		
67	<p>Advertising (B6.3) F: V: T:</p>	Item	
68	<p>Plant and equipment (B6.4) F: V: T:</p>	Item	
69	<p>Main notice board (B6.5) One notice board shall be provided by the Contractor F: V: T:</p>	Item	
70	<p>Subcontractors notice board (B6.6) (N/A) F: V: T:</p>	Item	
<u>TEMPORARY SERVICES (B7)</u>			
71	<p>Location (B7.1) F: V: T:</p>	Item	
72	<p>Water (B7.2) The contractor shall provide water for the works in accordance with: Alternative A (i.e. to be provided for by the Contractor).</p> <p>F: V: T:</p>	Item	
73	<p>Electricity (B7.3) The contractor shall provide electricity for the works in accordance with: Alternative A (i.e. to be provided for by the Contractor).</p>	m	
74	<p>F: V: T:</p>	Item	
Carried Forward			R
<p>Section No. 1 Bill No. 1 General Preliminaries</p>			

	Brought Forward		R
	Telecommunication equipment (B7.4) The contractor shall provide telephones on site for the works in accordance with: Alternative A (i.e. to be provided for by the Contractor).		
75	F: V: T:	Item	
	Ablution facilities (B7.5) The contractor shall provide toilet facilities on site for the works in accordance with: Alternative A (i.e. to be provided for by the Contractor).		
76	F: V: T:	Item	
	<u>PRIME COST AMOUNTS (B8)</u>		
	Responsibility for prime cost amounts (B8.1)		
77	F: V: T:	Item	
	<u>ATTENDANCE ON N/S SUB CONTRACTORS (B9)</u>		
	General Attendance (B9.1)		
78	F: V: T:	Item	
	Special Attendance (B9.2)		
79	F: V: T:	Item	
	Commissioning - fuel, water and power (B9.3)		
80	F: V: T:	Item	
	<u>FINANCIAL ASPECTS (B10)</u>		
	Statutory taxes, duties and levies (B10.1) Provision is made in the Final Summary of these Bills of Quantities for the inclusion of Value Added Tax (VAT).		
81	F: V: T:	Item	
	Payment of Preliminaries (B10.2)		
82	F: V: T:	Item	
	Carried Forward		R
	Section No. 1 Bill No. 1 General Preliminaries		

	Brought Forward			R
	Adjustment of Preliminaries (B10.3)			
83	F: V: T:	Item		
	Payment certificate cash flow (B10.4)			
84	F: V: T:	Item		
	Contractor information supply (B10.5)			
85	F: V: T:	Item		
	<u>GENERAL (B11)</u>			
	Protection of the Works (B11.1)			
86	F: V: T:	Item		
	Protection/isolation of existing/sectionally occupied works (B11.2)			
87	F: V: T:	Item		
	Site security (B11.3)			
88	F: V: T:	Item		
	Notice before covering work (B11.4)			
89	F: V: T:	Item		
	Disturbance (B11.5)			
90	F: V: T:	Item		
	Works cleaning and clearing (B11.6)			
91	F: V: T:	Item		
	Vermin (B11.7)			
92	F: V: T:	Item		
	Overhand work (B11.8)			
93	F: V: T:	Item		
	Carried Forward			R
	Section No. 1			
	Bill No. 1			
	General Preliminaries			

Brought Forward		R
<u>SECTION C: SPECIFIC PRELIMINARIES</u>		
<u>Section C: Specific Preliminaries:</u>		
<p>C1. Proprietary branded products The contractor shall take delivery of, handle, store, use, apply and/or fix all proprietary branded products in strict accordance with the manufacturer's instructions after consultation with the manufacturer's authorised representative.</p>	94	Item
<p>F: V: T:</p> <p>C2. Trade Names, etc. All materials, fittings, finishings, etc., specified hereinafter under a trade name, catalogue number or reference, must be exactly as described. The Architect's approval in writing must be obtained for the use of any alternative to the specification before the submission of tenders otherwise the specified materials, fittings, finishings, etc., will be assumed to have been allowed for in the tender. The Contractor must take delivery of, handle, store, use, apply and/or fix all proprietary branded products in strict accordance with the manufacturer's instructions after consultation with the manufacturer's authorised representative.</p>	95	Item
<p>F: V: T:</p> <p>C3. Contractors responsibility The Employer, the Principal Agent and the other professional consultants shall not be responsible for any act or omission on the part of the Contractor which may result in any patent or latent defects, in materials or workmanship, breach or neglect of any local regulations. The Contractor shall at all times be responsible for any such neglect, deviation or wrong act, whether the same is discovered before or after the final certificate, or any other Certificate, has been approved.</p>	96	Item
Carried Forward		R
Section No. 1 Bill No. 1 General Preliminaries		

	Brought Forward		R	
97	<p>C4. Overtime Should overtime be required to be worked for any reason whatsoever, the costs of such overtime are to be borne by the contractor unless the principal agent has specifically authorised in writing, prior to the execution thereof, that costs for such overtime are to be borne by the employer.</p>	m		
98	<p>F: V: T:</p> <p>C5. As built drawings The position of construction breaks and the extent of individual concrete pours are to be recorded by the contractor on the structural engineer's drawings and are to be submitted to the principal agent and the structural engineer for their records. Three full sets of as-built drawings shall be submitted to the Principal Agent no later than fourteen days after practical completion.</p>		Item	
99	<p>F: V: T:</p> <p>C6. Construction 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. The Contractor shall supply and have available at the site of the works at all times, the following site books: a) Construction Instruction Book: Receiving and recording instructions in a suitable A4 size triplicate book kept on site. Instructions issued shall be recorded by the Architect or other Employer's Agents to whom the Architect has delegated authority to in the book. Only instructions issued in such book shall be recognised. b) Daily Record Book: The Contractor shall record in triplicate in a suitable A4 size triplicate book kept at the site, a daily record of work done, all site visits by the Principal Agent and other professional personnel and all events affecting the Works, such as progress, issue of plans, breakdown of machinery, etc. The labour, plant and material on site shall be recorded as well as work performed. Entries must be made by the Contractor and must be signed and forwarded to the Principal Agent for his countersignature on a daily basis. Copies of these records shall be for the Architect, Quantity Surveyor and Contractor.</p>		Item	
	Carried Forward		R	
	<p>Section No. 1 Bill No. 1 General Preliminaries</p>			

	Brought Forward		R
100	<p>F: V: T:</p> <p>C7. Labour record At the end of each week the contractor shall provide the principal agent with a written record, in schedule form, reflecting the number and description of tradesmen and labourers employed by him and all subcontractors on the works each day.</p>	Item	
101	<p>F: V: T:</p> <p>C8. Plant record At the end of each week the contractor shall provide the principal agent with a written record, in schedule form, reflecting the number, type and capacity of all plant, excluding hand tools, currently used on the works.</p>	Item	
102	<p>F: V: T:</p> <p>C9. Encroachment During the course of the building operations, the Contractor shall be held entirely responsible for any encroachment onto any adjoining properties, buildings, etc., or servitudes and the cost of any remedial measures as required by the Principal Agent shall be borne by the Contractor.</p>	Item	
103	<p>F: V: T:</p> <p>C10. Method Statement The Tenderer shall produce, when required to do so by the Principal Agent, a Method Statement outlining the methods of construction and labour and plant resources that he proposes to use in the execution of the Works. Any approval given or observation made by the Principal Agent shall not relieve the Contractor of his sole responsibility to adopt the methods of construction and to provide the labour and plant resources necessary for the due and proper timeous execution of the Works.</p>	Item	
104	<p>F: V: T:</p>	Item	
	Carried Forward		R
	<p>Section No. 1 Bill No. 1 General Preliminaries</p>		

Brought Forward		R
105	<p>C11. Unauthorised Persons/Workmen on Premises The Contractor shall at all times strictly exclude all unauthorised persons from the Works and the site and shall set up notice boards to that effect. No workmen or labourers (except security guards) are to be allowed under any circumstances to sleep or deposit any kit on the premises. The Contractor must provide any necessary independent shelter or shed required for any labour or watchmen on site, to the approval of the Employer.</p> <p>F: V: T:</p>	Item
106	<p>C12. Mode of Procedure Notwithstanding anything to the contrary contained herein the Principal Agent at all times reserves the right to direct the order in which the various parts of the Contract are to be executed. The Contractor shall give priority to any individual section or portion of the Works that, in the opinion of the Principal Agent, requires to be expedited. Should it appear, in the Principal Agent's opinion, that work in any area is not being executed in accordance with the requirements of the Contract Programme, the Contractor shall provide additional manpower and resources and shall work additional overtime and do everything else required to bring the work back to programme to the satisfaction of the Principal Agent and to the Contractor's cost.</p> <p>F: V: T:</p>	Item
107	<p>C13. Location of Temporary Buildings and Temporary Services The Contractor shall provide all necessary temporary works, including temporary roads, tracks, crossings, hardstanding and services, hoardings, dust screens, tunnelling, etc., required for his own and sub-contractors use during the construction and maintenance period. There is no guarantee given or implied that Site conditions will be such that the Contractor will be able to erect such temporary works, roads, hardhats, offices, stores and temporary accommodation within the site boundaries and it shall be the Contractor's responsibility to adopt whatever measures he deems necessary in this regard and to obtain all necessary permission and pay all costs in connection therewith.</p> <p>F: V: T:</p>	Item
Carried Forward		R
<p>Section No. 1 Bill No. 1 General Preliminaries</p>		

	Brought Forward		R
	<u>C14. Office accommodation</u>		
	The contractor shall provide, maintain and remove on practical completion air conditioned office accommodation with suitable tables and chairs for meetings to be held on the site. Such offices shall be kept clean and fit for use at all times [12.2.18]		
108	F: V: T:	Item	
	<u>C15. Storage Facilities</u>		
	The Contractor shall provide a Container for storage of materials.		
109	F: V: T:	Item	
	C16. Removal and Making Good of Temporary Works, etc, on Completion		
	The Contractor shall remove (except where specifically stated otherwise) all temporary works, roads, services and the like used for this contract and shall make good to the entire satisfaction of the Principal Agent any damage resulting there from.		
110	F: V: T:	Item	
111	SUB - TOTAL: FIXED ITEMS	Item	
112	SUB - TOTAL: VALUE - RELATED ITEMS	Item	
113	SUB - TOTAL: TIME - RELATED ITEMS	Item	
	Carried Forward to Summary of Section No. 1		R
	Section No. 1		
	Bill No. 1		
	General Preliminaries		

Item No	Quantity	Rate	Amount
<p><u>SECTION NO. 1</u></p> <p><u>BILL NO. 2</u></p> <p><u>HEALTH AND SAFETY</u></p> <p><u>MODEL PREAMBLES</u></p> <p>Tenderers are referred to the relevant Clauses in the General Model Preambles for Trades (2017 Edition) before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>The costs included herein must incorporate Community Liaison Officer (CLO).</p> <p><u>OCCUPATIONAL HEALTH AND SAFETY</u></p>			
<p>Carried Forward</p>		R	
<p>Section No. 1 Bill No. 2 Health and Safety</p>			

**EZIKWENI JUNIOR PRIMARY SCHOOL
THE MVULA TRUST SAFE PROGRAMME - OMITTED SCOPE**

Brought Forward		R
<u>General:</u>		
1	Preparation of Contractor's site specific Health and Safety Plan	Item
2	Submission of the Health and Safety File	Item
3	Principal Contractor's initial obligations in respect of the OHS Act and Construction Regulations.	Item
4	Principal Contractor's time related obligations in respect of the OHS Act and Construction Regulations for the entire construction period.	Item
5	Provision of full time Health and Safety Officer for the entire construction period.	Item
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 300
9	Extra over mesh fence for pedestrian gate size 1.8 x 1,8m high.	No 1
<u>Provision for Personal Protective Equipment and Protective Clothing:</u>		
10	Reflective vests	No 20
11	Hard hats.	No 20
12	Protective foot wear.	No 20
13	Ear Plugs	No 20
14	Dust Masks.	No 20
15	Glove rubber crayfish 7GG cotton liner	No 20
16	Dromex 80/20 Polycotton Conti Suit Royal, Navy and Orange With Reflective	No 20
Carried Forward		R
Section No. 1 Bill No. 2 Health and Safety		

	Brought Forward				R
	<u>Costs of Medical Certificates and Medical Surveillance:</u>				
17	Initial (baseline) medical examinations for all personnel	No	1		
18	Exit Examinations for all personnel.	No	1		
	<u>Noise Monitoring:</u>				
19	Establishment of noise zones.	No	2		
20	Audiograms.	No	20		
	Carried Forward to Summary of Section No. 1				R
	Section No. 1				
	Bill No. 2				
	Health and Safety				

SECTION SUMMARY - Preliminaries

Bill No		Page No	Amount
1	General Preliminaries	20	
2	Health and Safety	23	
Carried to Final Summary			R
Section No. 1			

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO. 2</u></p> <p><u>BILL NO. 1</u></p> <p><u>ALTERATIONS</u></p> <p><u>MODEL PREAMBLES</u></p> <p>Tenderers are referred to the relevant Clauses in the General Model Preambles for Trades (2017 Edition) before pricing this bill.</p> <p><u>REMOVAL OF EXISTING WORK:</u></p> <p>NATURE OF WORK: Tenderers are advised to visit the site and to satisfy themselves as to the nature and extent of the work to be done and provide in their tenders any items not specifically mentioned which they may deem necessary for the proper completion of the work.</p> <p>DIMENSIONS The Contractor is advised to take all dimensions affecting the existing buildings on the site, as he will be held solely responsible for all new work being of the correct size.</p> <p>PIPES, ETC Special care is to be taken not to interfere unnecessarily with any supply pipes or other piping that may be met with and found necessary to disconnect or cut, are to be effectively stopped off and any new connections that may be necessary are to be made with proper fittings and to the satisfaction of the Principal Agent to whom due notice must be given of any alterations to the existing services.</p> <p>PROTECTION In taking down and removing existing work the utmost care is to be observed to avoid any structural or other damage to the remaining portions of the buildings. The Contractor must also protect all work not removed such as walls, floors, doors, windows or other joinery, loose and fixed fittings and electrical appliances, etc. from damage during the progress of the work and provide all necessary materials for doing so. The Contractor will be held solely responsible for any damage to persons or property and for the safety of the structure throughout the whole of this Contract and must make good at his own expense any damage that may occur.</p>			
	Carried Forward		R	
	<p>Section No. 2 Bill No. 1 Alterations (Provisional)</p>			

Brought Forward		R
<p>OLD USABLE MATERIALS from the alterations/demolitions are to become the property of the Client. Old materials for re-use are to be carefully removed, stored and protected from injury including making good any damaged or defective parts as required before fixing. Old reusable materials are to be handed over to the Client are to be carefully removed and neatly stacked on site where directed. The remainder of the old materials and all rubbish to be immediately carted away and the site left clean and unencumbered. The Contractor should allow for removing of rubble from site on daily basis, failing which the client might stop the construction until the site has been cleaned. None of the old stock bricks from the pulling down are to be re-used for any new work. Materials to be handed over to the Client should be kept safely and handed over to the School Governing Body or the school principal who shall sign for all materials received.</p> <p>MATERIALS, ETC The materials to be used and work to be done to be similar in all respects to that described for new work insofar as they concur. All work in making good is to be properly jointed to the existing.</p> <p>Unless otherwise stated, all usable material from the demolitions should be kept safely and handed over to the school governing body or the school principal who shall sign for all material received.</p> <p><u>DEMOLITIONS, ETC.</u></p> <p><u>Breaking up and removing mass concrete</u></p>		
1	Concrete aprons, size approximately 1000mm Wide x 125mm thick	m 27
<p><u>REMOVAL OF EXISTING WORK</u></p> <p><u>Taking out and removing piping, sanitary fittings, etc including disconnecting piping from fittings and making good floor and wall finishes (making good tiling and paintwork elsewhere)</u></p>		
2	Remove VIP 200 Pit pedestal and prepare surface to receive new VIP 450 pedestal (VIP 450 pedestal elsewhere)	No 3
Carried Forward		R
<p>Section No. 2 Bill No. 1 Alterations (Provisional)</p>		

Item No		Quantity	Rate	Amount
	<u>SECTION NO.3</u>			
	<u>BILL NO.1</u>			
	<u>IRONMONGERY</u>			
	<u>MODEL PREAMBLES</u>			
	Tenderers are referred to the relevant Clauses in the General Model Preambles for Trades (2017 Edition) before pricing this bill.			
	<u>BATHROOM FITTINGS</u>			
	<u>Kimberley-Clarkor Similar</u>			
1	Kimberley Clark code 405607B white lockable toilet roll holder	No	17	
	<u>Stainless steel bathroom fittings</u>			
2	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	12	
	<u>SUNDRIES</u>			
	<u>"Vaal Paragon"</u>			
3	32mm Type 9 back grab rail 800mm long plugged	No	1	
4	32mm Type 8 side grab rail 900mm girth plugged	No	1	
	Carried Forward to Summary of Section No. 3			R
	Section No. 3			
	Bill No. 1			
	Ironmongery			

Item No		Quantity	Rate	Amount
	<u>SECTION NO.3</u>			
	<u>BILL NO.2</u>			
	<u>PLUMBING AND DRAINAGE (PROVISIONAL)</u>			
	<u>MODEL PREAMBLES</u>			
	Tenderers are referred to the relevant Clauses in the General Model Preambles for Trades (2017 Edition) before pricing this bill.			
	<u>SANITARY FITTINGS</u>			
	<u>'Vaal' or similar approved:</u>			
1	Vaal Sanitaryware vitreous china Bantam ceramic basin colour White (code: 703003), size 455 x 290mm with two tapholes including chainstay hole	No	1	
2	Vaal Sanitaryware vitreous china Bantam ceramic basin colour White (code: 703003), size 455 x 290mm with two tapholes including chainstay hole	No	4	
3	Vaal Sanitaryware vitreous china Parktown 90° outlet top inlet colour White (Code: 431500) close rim back-to-wall pan complete with Jazz thermostet toilet seat (code 8531Z0)	No	16	
4	Vaal Sanitaryware Protea Paraplegic vitreous china floor mounted paraplegic washdown suite colour White (Code: 750246WH), comprising 90° outlet pan (Code: 750202WH) and matching 9 litre cistern, including lid, fitments and purpose-made chromium plated side flush lever (Code: 7100LLWH).	No	1	
	Carried Forward			R
	Section No. 3 Bill No. 2 Plumbing and Drainage (Provisional)			

Brought Forward			R
5	Vaal Sanitaryware 600 x 385 x 380mm Lavatera top inlet white vitreous china wall mounted urinal (Code: 705426WH) including 38mm chromium plated domical grating and chromium plated top inlet spreader (Code: 8542Z000), flush valve (by others - Recommended: Cobra FJ6000), fixed on and including two hanger brackets (Code: 8127Z000).	No	3
	<u>Rust and corrosion resistant, UV-resistant polyethylene pedestals, urinals, basins, etc. Product and colour to Principal Agent's approval:</u>		
6	VIP 450 Pit pedestal complete with integral flap four times plugged to floor with and including 6 x 75mm masonry anchors.	No	3
	<u>WASTE UNIONS ETC</u>		
	<u>"Cobra Watertech"</u>		
7	Cobra Watertech 32mm chrome plated basin waste (Code: 308) with 62mm diameter flange, 80mm long shank and plug.	No	5
8	Cobra Watertech 40mm chrome plated bottle trap (Code: 365-50) with 75mm deep re-seal, adjustable telescopic pipe and 50mm outlet.	No	1
	<u>TRAPS ETC</u>		
	<u>"Cobra Watertech"</u>		
9	"Cobra Ref. 365/40" CP bottle trap	No	5
10	"Cobra Ref. 365/50" CP bottle trap	No	7
	<u>TAPS, VALVES, ETC</u>		
11	Cobra Watertech 15mm compression type angle regulating valve with 10mm bendable copper outlet tube service connection (Code: 232/350).	No	6
12	Cobra Watertech chrome plated 15mm outlet x 215mm long with 27mm offset urinal flush pipe (Code: FJT5.5).	No	3
	Carried Forward		R
	Section No. 3 Bill No. 2 Plumbing and Drainage (Provisional)		

**EZIKWENI JUNIOR PRIMARY SCHOOL
THE MVULA TRUST SAFE PROGRAMME - OMITTED SCOPE**

Brought Forward			R
13	Cobra Watertech 32mm cast brass gate valve (Code: 1001/125-32) parrallel F x F threaded inlets, non-rising spindle and guided wedge.	No	1
14	Cobra Watertech 15mm chrome plated demand bibtap (Code: KM2-202-15), manufactured in accordance to SANS 1808-66:2005.	No	4
15	Cobra Watertech exposed urinal chrome plated Junior Flushmaster flushvalve (code: FJ6.000) with non-hold open feature, wall flange and 20mm "Ball-o-Stop" control inlet.	No	3
16	Cobra Watertech "Carina" Ref. 214CA pillar tap	No	1
<u>SANITARY PLUMBING</u>			
<u>uPVC pipes</u>			
17	50mm Pipes	m	7
18	110mm Pipes	m	9
19	50mm Pipes laid in and including trenches not exceeding 1m deep	m	5
<u>Extra over uPVC pipes for fittings</u>			
20	50mm BSP adaptor	No	4
21	50mm Bend	No	4
22	50mm Access bend	No	3
23	50mm Access junction	No	5
24	50mm Junction	No	4
25	110mm Bend	No	4
26	110mm Junction	No	2
27	110mm Pan connector	No	1
28	110mm Access bend	No	1
29	110mm Acess junction	No	1
Carried Forward			R
Section No. 3 Bill No. 2 Plumbing and Drainage (Provisional)			

**EZIKWENI JUNIOR PRIMARY SCHOOL
THE MVULA TRUST SAFE PROGRAMME - OMITTED SCOPE**

Brought Forward			R
30	110mm "GI Two-way" vent valve	No	4
	<u>uPVC gulleys:</u>		
31	110mm Gulley not exceeding 500mm deep	No	4
<u>WATER SUPPLIES</u>			
	<u>"Polylink" polypropylene pipes</u>		
32	15mm Pipes	m	9
	<u>Extra over "Polylink" polypropylene pipes for fittings</u>		
33	15mm Fittings	No	14
	<u>Class 0 copper pipes</u>		
34	15mm Pipes	m	11
35	15mm Pipes chased into brickwork	m	9
	<u>Extra over class 0 copper pipes for capillary fittings</u>		
36	15mm Fittings	No	7
	<u>Galvanised steel pipes:</u>		
37	20mm Pipes chased into brick walls	m	8
	<u>Extra over galvanised steel pipes for steel fittings:</u>		
38	20mm Fittings	No	6
<u>TESTING</u>			
39	Provide all necessary apparatus water, etc for and test the whole of the Water Supply installation to the satisfaction of the Representative/Agent and Municipality, replace any defective work free of charge and leave perfect		Item
<u>BUILDER'S WORK</u>			
	<u>Builder</u>		
40	Leave or form opening through one brickwall for pipe n.e 100mm diameter	No	21
Carried Forward			R
Section No. 3 Bill No. 2 Plumbing and Drainage (Provisional)			

	Brought Forward			R
	<u>HOLES ETC</u>			
	<u>Core drilling of hole for pipe not exceeding 50mm diameter</u>			
41	200mm Reinforced concrete slab, beam, wall, etc	No	2	
42	300mm Reinforced concrete slab, beam, wall, etc	No	2	
	<u>Core drilling of hole for pipe exceeding 50mm and not exceeding 100mm diameter</u>			
43	200mm Reinforced concrete slab, beam, wall, etc	No	2	
44	300mm Reinforced concrete slab, beam, wall, etc	No	2	
	Carried Forward to Summary of Section No. 3			R
	Section No. 3			
	Bill No. 2			
	Plumbing and Drainage (Provisional)			

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO.3</u></p> <p><u>BILL NO.3</u></p> <p><u>GLAZING</u></p> <p>For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades</p> <p><u>MIRRORS, ETC</u></p> <p><u>6mm Silvered float glass copper backed mirrors with bevelled edges, holed for and fixed with chromium plated dome capped mirror screws with rubber buffers to plugs in brickwork or concrete</u></p>			
1	Mirror 400 x 600mm high with four screws	No	20	
	Carried Forward to Summary of Section No. 3			R
	Section No. 3			
	Bill No. 3			
	Glazing			

SECTION SUMMARY - Building Works

Bill No		Page No	Amount
1	Ironmongery	28	
2	Plumbing and Drainage (Provisional)	33	
3	Glazing	34	
Carried to Final Summary			R
Section No. 3			

Item No		Quantity	Rate	Amount
	<u>SECTION NO.4</u>			
	<u>BILL NO. 1</u>			
	<u>STORM WATER CHANNELS</u>			
	<u>MODEL PREAMBLES</u>			
	Tenderers are referred to the relevant Clauses in the General Model Preambles for Trades (2017 Edition) before pricing this bill.			
	<u>EXCAVATION, FILLING, ETC</u>			
	<u>Site Clearance etc.</u>			
1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc	m2	80	
	<u>Excavation not exceeding 2m deep</u>			
2	Reducing levels and depositing excavated material in prescribed stock piles on site.	m3	6	
	<u>Extra over trench and hole excavations in earth for excavation in</u>			
3	Soft rock	m3	1	
4	Hard rock	m3	1	
	<u>Extra over all excavations for carting away</u>			
5	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	8	
	<u>Filling supplied by the contractor under channels</u>			
6	G7 Base course material compacted to 98% Mod AASHTO density	m3	8	
	Carried Forward			R
	Section No. 4 Bill No. 1 Storm Water Channel			

	Brought Forward			R
	<u>Compaction of surfaces:</u>			
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	80	
	<u>Prescribed density tests on filling:</u>			
8	In-situ dry density test	No	1	
	<u>REINFORCED CONCRETE</u>			
	<u>Cast in-situ Ref 395 mesh reinforced concrete (25MPa) open storm water channels having V-shaped waterway formed in top, finished smooth on all exposed surfaces in 3:1 cement plaster</u>			
9	700 x 80mm thick V' channel 150mm deep in centre laid in position in ground in 2000mm sections including all form work, reinforcement, expansion joints, smooth finishing to top of concrete surface etc.	m	57	
10	Extra for 700mm angle	No	3	
11	Extra for forming 200mm thick 700mm wide spreader with 200mm high edges fanning out to 1 960mm width at furthest end with hard burnt bricks pitching cast in ass diffusers including working off concrete to a smooth finish and draining onto natural ground with 150 - 200mm diameter loose stones	No	3	
12	7m x 3m Reno mattresses to ends of storm water channels	No	3	
	Carried Forward to Summary of Section No. 4			R
	Section No. 4			
	Bill No. 1			
	Storm Water Channel			

Item No		Quantity	Rate	Amount
	<u>SECTION NO.4</u>			
	<u>BILL NO. 2</u>			
	<u>APRONS AROUND BUILDINGS</u>			
	<u>MODEL PREAMBLES</u>			
	Tenderers are referred to the relevant Clauses in the General Model Preambles for Trades (2017 Edition) before pricing this bill.			
	<u>Site Clearance etc.</u>			
	<u>EXCAVATION, FILLING, ETC</u>			
1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc	m2	42	
	<u>Excavation not exceeding 2m deep</u>			
2	Reducing levels and depositing excavated material in prescribed stock piles on site.	m3	12	
	<u>Extra over trench and hole excavations in earth for excavation in</u>			
3	Soft rock	m3	1	
4	Hard rock	m3	3	
	<u>Extra over all excavations for carting away</u>			
5	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	12	
	<u>Filling supplied by the contractor under floors, aprons, etc</u>			
6	G7 Base course material compacted to 98% Mod AASHTO density	m3	8	
	Carried Forward			R
	Section No. 4 Bill No. 2 Concrete Aprons			

Brought Forward							
	<u>Compaction of surfaces:</u>						R
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	84				
	<u>Prescribed density tests on filling:</u>						
8	In-situ dry density test	No	5				
	<u>REINFORCED CONCRETE</u>						
	<u>Reinforced 25Mpa/19mm Concrete</u>						
	<u>CONCRETE SUNDRIES</u>						
9	Aprons cast in panels to falls	m3	4				
	<u>Finishing top surfaces of concrete smooth with a wood float</u>						
10	Surface beds, slabs, etc to falls and currents.	m2	42				
	<u>TEST CUBES</u>						
11	Making and testing of 150x150x150mm concrete strength test cubes	No	3				
	<u>SMOOTH FORMWORK (DEGREE OF ACCURACY I)</u>						
	<u>Smooth formwork to sides</u>						
12	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	35				
	<u>MOVEMENT JOINTS ETC</u>						
	<u>Expansion joints with bitumen impregnated soft board between vertical concrete or brick surfaces:</u>						
13	12mm Joints not exceeding 300mm high	m	35				
	Carried Forward						R
	Section No. 4 Bill No. 2 Concrete Aprons						

Item No		Quantity	Rate	Amount
	<u>SECTION NO.4</u>			
	<u>BILL NO. 3</u>			
	<u>WALKWAYS</u>			
	<u>MODEL PREAMBLES</u>			
	Tenderers are referred to the relevant Clauses in the General Model Preambles for Trades (2017 Edition) before pricing this bill.			
	<u>SITE CLEARANCE ETC</u>			
	<u>Site Clearance etc.</u>			
1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc	m2	11	
	<u>Excavation not exceeding 2m deep</u>			
2	Reducing levels and depositing excavated material in prescribed stock piles on site.	m3	3	
	<u>Extra over trench and hole excavations in earth for excavation in</u>			
3	Soft rock	m3	1	
4	Hard rock	m3	0.50	
	<u>Extra over all excavations for carting away</u>			
5	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	4	
	<u>Filling supplied by the contractor under floors, aprons, etc</u>			
6	G7 Base course material compacted to 98% Mod AASHTO density	m3	4	
	Carried Forward			R
	Section No. 4 Bill No. 3 Concrete Walkways			

	Brought Forward			R
	<u>Compaction of surfaces:</u>			
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	22	
	<u>Prescribed density tests on filling:</u>			
8	In-situ dry density test	No	3	
	<u>REINFORCED CONCRETE</u>			
	<u>Reinforced 25Mpa/19mm Concrete</u>			
9	Ramps, Landings, etc.	m3	1	
	<u>SMOOTH FORMWORK (DEGREE OF ACCURACY I)</u>			
	<u>Smooth formwork to sides</u>			
10	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	16	
	<u>TEST CUBES</u>			
11	Making and testing of 150x150x150mm concrete strength test cubes	No	1	
	<u>REINFORCEMENT (PROVISIONAL)</u>			
	<u>Finishing top surfaces of concrete smooth with a wood float</u>			
12	Surface beds, slabs, etc to falls and currents.	m2	9	
	<u>Fabric reinforcement</u>			
13	REF. 395 fabric reinforcement in concrete surface beds, slabs, etc.	m2	9	
	Carried Forward to Summary of Section No. 4			R
	Section No. 4			
	Bill No. 3			
	Concrete Walkways			

Item No		Quantity	Rate	Amount
	<u>SECTION NO.4</u>			
	<u>BILL NO.4</u>			
	<u>ACCESS RAMPS</u>			
	<u>MODEL PREAMBLES</u>			
	Tenderers are referred to the relevant Clauses in the General Model Preambles for Trades (2017 Edition) before pricing this bill.			
	<u>SITE CLEARANCE ETC</u>			
1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc	m2	40	
	<u>Excavation not exceeding 2m deep</u>			
2	In trenches	m3	3	
	<u>Extra over trench and hole excavations in earth for excavation in</u>			
3	Soft rock	m3	1	
4	Hard rock	m3	0.50	
	<u>Extra over all excavations for carting away</u>			
5	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	3	
	<u>Filling supplied by the contractor under floors, aprons, etc</u>			
6	G7 Base course material compacted to 98% Mod AASHTO density	m3	7	
	Carried Forward			R
	Section No. 4 Bill No. 4 Ramps			

Brought Forward		R
<u>Compaction of surfaces:</u>		
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 48
<u>Soil insecticide</u>		
8	Soil insecticide applied and mixed in the proportion and rate as specified under floors, etc including forming and poisoning shallow furrows against foundation walls, etc and filling in furrows and ramming	m2 12
<u>Prescribed density tests on filling:</u>		
9	In-situ dry density test	No 1
<u>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>		
<u>15MPa/19mm concrete</u>		
10	Surface blinding under surface beds	m3 1
<u>REINFORCED CONCRETE</u>		
<u>Reinforced 25Mpa/19mm Concrete</u>		
11	Strip footings	m3 2
12	Ramps, Landings, etc.	m3 1
<u>TEST CUBES</u>		
13	Making and testing of 150x150x150mm concrete strength test cubes	No 3
<u>CONCRETE SUNDRIES</u>		
<u>Finishing top surfaces of concrete smooth with a wood float</u>		
14	Surface beds, slabs, etc to falls and currents.	m2 31
<u>REINFORCEMENT (PROVISIONAL)</u>		
Carried Forward		R
Section No. 4 Bill No. 4 Ramps		

	Brought Forward			R
	<u>Fabric reinforcement</u>			
15	REF. 395 fabric reinforcement in concrete surface beds, slabs, etc.	m2	10	
	<u>BRICKWORK IN FOUNDATIONS</u>			
	<u>Brickwork of NFX bricks (14 MPa nominal compressive strength) in Class I mortar (Cement to be 42.5N all purpose cement):</u>			
16	One brick walls	m2	5	
	<u>BRICKWORK SUNDRIES</u>			
	<u>Brickwork reinforcement</u>			
17	230mm Wide reinforcement built in horizontally	m	49	
18	Ditto but in foundations	m	61	
	<u>FACE BRICK</u>			
	<u>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):</u>			
19	One brickwall faced on both sides	m2	12	
	Carried Forward to Summary of Section No. 4			R
	Section No. 4			
	Bill No. 4			
	Ramps			

Item No		Quantity	Rate	Amount
	<u>SECTION NO.4</u>			
	<u>BILL NO. 5</u>			
	<u>FENCING</u>			
	<u>MODEL PREAMBLES</u>			
	Tenderers are referred to the relevant Clauses in the General Model Preambles for Trades (2017 Edition) before pricing this bill.			
	<u>Site clearance</u>			
1	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	91	
	<u>FENCING</u>			
	<u>Straining wires, fencing and razor wire:</u>			
2	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	364	
3	3 Strands of galvanised barbed wire tied to standards, posts and eye bolts	m	273	
4	Fencing formed of 50 x 50 x 2.0mm diameter galvanised fencing 1 800mm high and fixed to each straining wire with 8 guage binding wire at 500mm centres including Y12 pegs at 900mm c/c between posts (straining wires elsewhere measured).	m	91	
	Carried Forward			R
	Section No. 4 Bill No. 5 Fencing			

Brought Forward		R
<u>Posts for 1 800mm high security fence:</u>		
5	60mm Diameter galvanised steel intermediate fencing post 2400mm 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 30
6	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 4
7	150mm Ditto as gate post 2 400mm 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
8	12mm Diameter galvanised mild steel straining eye bolt with hook, threaded portion and two nuts and washers	No 10
9	Form 12mm diameter hole through fence post.	No 10
<u>GATES, ETC.</u>		
10	Security fence single gate, size 1 000 mm wide x 1 800 mm high, formed of 50 mm diameter nominal bore x 3,25 mm wall thickness hot dip galvanised mild steel pipe framing all round with mitred and welded angles and cross braces mullion and transome, scribed and welded into angles and at cross intersections, with two 50 mm diameter nominal bore x 3,25 mm wall thickness security posts each 600 mm long with one end welded to top rail of gate and closure plate to other end, the gate covered with 100 x 50 x 2,5 mm weld mesh with four straining wires as before described and with four 2,37 mm four point core diameter single "kampeon" wires with crimped droppers to security posts as before described; including three strands flat wrap razor barbed tape wire fixed as before described, leaf fitted with three 24 mm diameter x 300 mm long eyebolt hinges and stops including all holes, etc., welded or bolted to adjoining galvanised gatepost with and including 500 mm long approved chain spot welded to gate	No 1
Carried Forward		R
Section No. 4 Bill No. 5 Fencing		

	Brought Forward			R
	<u>PADLOCKS</u>			
11	Supply 50 mm "Viro" Padlocks and Keys (or equal approved)	No	1	
Carried Forward to Summary of Section No. 4				
Section No. 4				
Bill No. 5				
Fencing				

Item No		Quantity	Rate	Amount
	<u>SECTION NO.4</u>			
	<u>BILL NO. 6</u>			
	<u>SUB-SOIL DRAINAGE</u>			
	<u>MODEL PREAMBLES</u>			
	Tenderers are referred to the relevant Clauses in the General Model Preambles for Trades (2017 Edition) before pricing this bill.			
	<u>SITE CLEARANCE ETC</u>			
	<u>Site Clearance etc.</u>			
1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc	m2	117	
	<u>EXCAVATION, FILLING, ETC</u>			
	<u>Excavation in earth not exceeding 2m deep:</u>			
2	Trenches	m3	73	
	<u>Extra over trench and hole excavations in earth for excavation in</u>			
3	Soft rock	m3	2	
4	Hard rock	m3	3	
	<u>Extra over all excavations for carting away:</u>			
5	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the Contractor	m3	3	
	<u>Risk of collapse of excavations:</u>			
6	Sides of trench and hole excavations not exceeding 1,5m deep.	m2	59	
	Carried Forward			R
	Section No. 4 Bill No. 6 Sub-Soil Drainage			

	Brought Forward			R
	<u>Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 93% MOD AASHTO density</u>			
7	Backfilling to trenches, holes, etc.	m3	2	
	<u>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:</u>			
8	19mm Stone	m3	15	
	<u>Membrane</u>			
9	Geofabric filter blanket wrapped around stone with 150mm side and 300mm end laps, including stitching	m2	152	
	<u>Keeping excavations free of water:</u>			
10	Keeping excavations free from mud and all water including subterranean sources		Item	
	<u>SOIL DRAINAGE</u>			
	<u>160mm Diameter perforated uPVC pipe surrounded with 300 x 300mm section of 20mm stone wrapped in A3 geotextile material</u>			
11	160mm uPVC pipe	m	117	
	<u>Extra over for</u>			
12	160mm Tee	No	4	
13	160mm Bend	No	4	
	Carried Forward to Summary of Section No. 4			R
	Section No. 4			
	Bill No. 6			
	Sub-Soil Drainage			

Item No		Quantity	Rate	Amount
	<u>SECTION NO.4</u>			
	<u>BILL NO. 7</u>			
	<u>SEPTIC TANKS, ETC.</u>			
	<u>MODEL PREAMBLES</u>			
	Tenderers are referred to the relevant Clauses in the General Model Preambles for Trades (2017 Edition) before pricing this bill.			
	<u>SITE CLEARANCE ETC</u>			
	<u>Site clearance</u>			
1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc	m2	47	
	<u>EXCAVATION, FILLING, ETC</u>			
	<u>Excavation in earth not exceeding 2m deep</u>			
2	Holes	m3	44	
	<u>Excavation in earth exceeding 2m and not exceeding 4m deep</u>			
3	Holes	m3	6	
	<u>Extra over trench and hole excavations in earth for excavation in</u>			
4	Soft rock	m3	2	
5	Hard rock	m3	5	
	<u>Extra over all excavations for carting away</u>			
6	Extra over all excavations for carting away surplus material from excavations and/or stockpile on site to a dumping site to be located by the Contractor	m3	28	
	Carried Forward			R
	Section No. 4 Bill No. 7 Septic Tank			

**EZIKWENI JUNIOR PRIMARY SCHOOL
THE MVULA TRUST SAFE PROGRAMME - OMITTED SCOPE**

Brought Forward			R
	<u>Risk of collapse of excavations</u>		
7	Sides of trench and hole excavations not exceeding 1,5m deep	m2	59
	<u>Earth filling obtained from the excavations and /or prescribed stock piles on site including compacted to 93% Mod AASHTO density</u>		
8	Backfilling to trenches, holes, etc	m3	32
	<u>G7 filling obtained from the demolitions and/or prescribed stockpiles on site compacted to 93% Mod AASHTO density</u>		
9	Under floors, steps, paving etc.	m3	2
	<u>Keeping excavations free of water</u>		
10	Keeping excavations free of all water other than subterranean water		Item
	<u>Compaction of surfaces</u>		
11	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	m2	12
	<u>Prescribed density tests on filling:</u>		
12	In-situ dry density test	No	1
	<u>Soil insecticide</u>		
13	Soil insecticide applied and mixed in the proportion and rate as specified under floors, etc including forming and poisoning shallow furrows against foundation walls, etc and filling in furrows and ramming	m2	12
	<u>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>		
	<u>15MPa/19mm concrete</u>		
14	Surface blinding under surface beds	m3	1
	Carried Forward		R
	Section No. 4 Bill No. 7 Septic Tank		

Brought Forward			R
<u>REINFORCED CONCRETE</u>			
<u>20MPa/19mm concrete</u>			
15	Surface beds cast in panels	m3	5
16	Slab over septic tank	m3	5
<u>CONCRETE SUNDRIES</u>			
<u>Grooves, channels, mortice , sinkings, etc in concrete</u>			
17	Form 25 x 25mm chamfer to edges of concrete	m	17
<u>Permanent formwork to soffits</u>			
18	Slab over septic tank	m2	9
<u>Smooth formwork to form</u>			
19	Opening not exceeding 1m girth through 150mm slab	No	2
20	Mortar fillet 1800mm high in 125mm cavity	m	17
<u>SMOOTH FORMWORK (DEGREE OF ACCURACY I)</u>			
<u>Smooth formwork to sides</u>			
21	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	14
<u>REINFORCEMENT</u>			
<u>High tensile steel reinforcement to structural concrete work</u>			
22	12mm Diameter bars	t	0.10
<u>TEST CUBES</u>			
23	Making and testing of 150x150x150mm concrete strength test cubes	No	3
<u>MASONRY</u>			
Carried Forward			R
Section No. 4 Bill No. 7 Septic Tank			

Brought Forward			R
<u>Brickwork of NFP bricks in class II mortar</u>			
24	Half brick walls	m2	2
25	345mm Hollow walls of two half brick skins including vertical twist type wall ties	m2	73
<u>Brickwork reinforcement</u>			
26	75mm Wide reinforcement built in horizontally	m	11
27	230mm Wide reinforcement built in horizontally	m	248
<u>BRICKWORK SUNDRIES</u>			
28	Leave of form 450 x 150mm high opening through a one brick wall	No	1
29	Leave or form opening through one brickwall for pipe exceeding 100mm and n.e 200mm diameter	No	2
<u>PLASTERING</u>			
<u>Watertight cement plaster on brickwork</u>			
30	On walls	m2	47
<u>MISCELLANEOUS</u>			
<u>uPVC pipes</u>			
31	110mm Pipes	m	1
<u>Extra over uPVC pipes for fittings</u>			
32	110mm Tee	No	2
<u>Cover, etc</u>			
33	600 x 600mm Type 2A cast iron single seal manhole cover and frame	No	2
34	Lifting key for manhole cover	No	1
Carried Forward to Summary of Section No. 4			R
Section No. 4			
Bill No. 7			
Septic Tank			

Item No		Quantity	Rate	Amount
	<u>SECTION NO 4</u>			
	<u>BILL NO 8</u>			
	<u>FRENCH DRAINS</u>			
	<u>MODEL PREAMBLES</u>			
	Tenderers are referred to the relevant Clauses in the General Model Preambles for Trades (2017 Edition) before pricing this bill.			
	<u>SITE CLEARANCE ETC</u>			
	<u>Site clearance</u>			
1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc	m2	55	
	<u>EXCAVATION, FILLING, ETC</u>			
	<u>Excavation in earth not exceeding 2m deep</u>			
2	Holes	m3	25	
	<u>Extra over trench and hole excavations in earth for excavation in</u>			
3	Soft rock	m3	1	
4	Hard rock	m3	6	
	<u>Extra over all excavations for carting away</u>			
5	Extra over all excavations for carting away surplus material from excavations and/or stockpile on site to a dumping site to be located by the Contractor	m3	21	
	<u>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:</u>			
6	19mm Stone	m3	97	
	Carried Forward			R
	Section No. 4 Bill No. 8 French Drain			

**EZIKWENI JUNIOR PRIMARY SCHOOL
THE MVULA TRUST SAFE PROGRAMME - OMITTED SCOPE**

Brought Forward			R
<u>Risk of collapse of excavations</u>			
7	Sides of trench and hole excavations not exceeding 1,5m deep	m2	30
<u>Keeping excavations free of water</u>			
8	Keeping excavations free of water		Item
<u>Membrane</u>			
9	Geofabric filter blanket wrapped around stone with 150mm side and 300mm end laps, including stitching	m2	4
<u>uPVC pipes</u>			
10	110mm Pipes	m	25
<u>Extra over uPVC, soil and vent pipes for fittings</u>			
11	110mm Tee	No	4
12	110mm Bend	No	3
13	110mm End cap	No	2
14	110mm Inspection eye	No	4
15	110mm Rodding eye	No	2
Carried Forward to Summary of Section No. 4			R
Section No. 4			
Bill No. 8			
French Drain			

Item No		Quantity	Rate	Amount
	<u>SECTION NO.4</u>			
	<u>BILL NO. 9</u>			
	<u>SOAK AWAY</u>			
	<u>MODEL PREAMBLES</u>			
	Tenderers are referred to the relevant Clauses in the General Model Preambles for Trades (2017 Edition) before pricing this bill.			
	<u>SITE CLEARANCE ETC</u>			
	<u>Site Clearance etc.</u>			
1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc	m2	18	
	<u>EXCAVATION, FILLING, ETC</u>			
	<u>Excavation in earth not exceeding 2m deep</u>			
2	Trenches	m3	12	
	<u>Extra over trench and hole excavations in earth for excavation in</u>			
3	Soft rock	m3	1	
4	Hard rock	m3	3	
	<u>Extra over all excavations for carting away</u>			
5	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor within 5km from the building site	m3	8	
	<u>Risk of collapse of excavations</u>			
6	Sides of trench and hole excavations	m2	18	
	Carried Forward			R
	Section No. 4 Bill No. 9 Soak Away			

**EZIKWENI JUNIOR PRIMARY SCHOOL
THE MVULA TRUST SAFE PROGRAMME - OMITTED SCOPE**

	Brought Forward			R
	<u>Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 90% Mod AASHTO density</u>			
7	Backfilling to holes	m3	4	
	<u>Earth filling with stone material supplied by the contractor</u>			
8	Stone (>53mm)	m2	8	
	<u>Membranes</u>			
9	BidimGeotextile or equal approved, lined on all sides including the top and bottom faces	m2	51	
	<u>Keeping excavations free of water</u>			
10	Keeping excavations free of all water other than subterranean water		Item	
Carried Forward to Summary of Section No. 4				R
Section No. 4				
Bill No. 9				
Soak Away				

Item No		Quantity	Rate	Amount
	<u>SECTION NO.4</u>			
	<u>BILL NO. 10</u>			
	<u>DRINKING FOUNTAINS, ETC.</u>			
	For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades			
	<u>EXCAVATION, FILLING, ETC</u>			
	<u>Excavation in earth not exceeding 2m deep</u>			
1	Holes	m3	0.1	
2	Excavate in pickable earth to reduce ground level below concrete slabs. including carting away of excavated materials	m3	1	
	<u>Compaction of surfaces</u>			
3	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	m2	3	
	<u>Risk of collapse of excavations</u>			
4	Sides of trench and hole excavations not exceeding 1,5m deep	m2	1	
	<u>Keeping excavations free of water</u>			
5	Keeping excavations free of all water other than subterranean water		Item	
	<u>Earth filling obtained from the excavations and /or prescribed stock piles on site including compacted to 93% Mod AASHTO density</u>			
6	Backfilling to around channels, etc.	m3	1	
	Carried Forward			R
	Section No. 4 Bill No. 10 Drinking Fountain			

Brought Forward			R
<u>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>			
<u>15MPa/19mm concrete</u>			
7	Surface blinding under surface beds	m3	0.1
<u>REINFORCED CONCRETE</u>			
<u>25MPa/19mm concrete</u>			
8	Bases	m3	0.1
9	Sloped channels	m3	1
10	Dished channels	m3	1
<u>Grooves, channels, mortices, sinkings, etc. in concrete</u>			
11	Segmental channel with radius 290mm and minimum depth of 100mm on top of concrete, incl. all excavations, cart away etc.	m	6
<u>Finishing top surfaces of concrete smooth with a wood float</u>			
12	Dished channels to falls	m2	3
<u>TEST CUBES</u>			
13	Making and testing of 150x150x150mm concrete strength test cubes	No	1
<u>SMOOTH FORMWORK (DEGREE OF ACCURACY I)</u>			
<u>Smooth formwork to sides</u>			
14	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	17
<u>SUNDRY METALWORK</u>			
Carried Forward			R
Section No. 4 Bill No. 10 Drinking Fountain			

Brought Forward		R
	<u>Welded steel columns, etc.</u>	
15	100 x 50 x 6mm Thick hot dipped galvanised rectangular column size approximately 1225mm high 725mm high above ground finished with welded flat top with 15mm diameter hole for copper pipe (e/m) and 200 x 200 x 10mm thick base plate cast in concrete	No 1
<u>PAINTWORK ETC TO NEW WORK</u>		
<u>ON METAL</u>		
	<u>Plascon Velvago Satin to interior new mild steel. Surface to be clean and dry. Remove surface contaminants using Metalcare Aquasolv Degreaser (GR 1) with bristle brush or Brillo pads. Rinse thoroughly with tap water until surface is water break-free. Remove rust and millscale by abrasive blasting to ISO 8501 - 01:1988 - Sa2½ or by hand/mechanical wire brushing to St3 of the same standard. Allow to dry completely and prime within 4 hours of cleaning. Prime with one coat Metalcare Mild Steel Primer (UC 501) with an overcoating time of 16 hours and finish with two coats Velvago Satin (VLO) with 16 hours drying time between coats, for a maintenance cycle of 7 years in a C1 - inland environment.</u>	
16	On rails, bars, pipes, etc	m2 0.4
<u>WATER SUPPLIES</u>		
	<u>Class 10 black HDPE high density polyethylene pipes with and including "Plasson" compression fittings</u>	
17	25mm Pipes laid in and including trenches not exceeding 1m deep	m 6
	<u>Extra over class 10 HDPE pressure pipes for fittings with solvent welded joints</u>	
18	25mm Fittings	No 1
19	25 x 15mm Reducing tee	No 2
	<u>Class 0 copper pipes with capillary couplings</u>	
20	15mm Pipes	m 1
Carried Forward		R
Section No. 4 Bill No. 10 Drinking Fountain		

Brought Forward			R
	<u>Extra over class 0 copper pipes for capillary fittings</u>		
21	15mm Fittings	No	1
	<u>TAPS, VALVES, ETC</u>		
	<u>"Walker Crossweller"</u>		
22	"Walcro 109" 15mm BSP male, DZR Brass drinking fountain pillarcock, with adjustable nozzle flow control, hygienic protective plate and easy cleaning design.	No	1
	<u>Cobra Watertech</u>		
23	Cobra Watertech 25mm chrome plated isolating ball valve (Code: 1090-25) F x F inlets and plastic coated plated steel lever handle.	No	1
24	Cobra Watertech 25mm brass in-line strainer (Code: 1050-25) F x F inlets and stainless steel double mesh strainer basket.	No	1
	<u>Sundries</u>		
25	300 x 300mm Plastic valve box (PC Amount R250-00 each VAT excl. supplied and delivered to site)	No	1
Carried Forward to Summary of Section No. 4			R
Section No. 4			
Bill No. 10			
Drinking Fountain			

Item No		Quantity	Rate	Amount
	<u>SECTION NO.4</u>			
	<u>BILL NO. 11</u>			
	<u>WATER RETICULATION</u>			
	For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades			
	<u>EXCAVATION, FILLING, ETC</u>			
	<u>Excavation in earth not exceeding 2m deep</u>			
1	Excavate in pickable earth to reduce ground level below concrete slabs. including carting away of excavated materials	m3	14	
	<u>Extra over trench and hole excavations in earth for excavation in</u>			
2	Soft rock	m3	1	
3	Hard rock	m3	2	
	<u>Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 93% MOD AASHTO density</u>			
4	Backfilling to trenches, holes, etc.	m3	12	
	<u>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:</u>			
5	19mm Stone	m3	43	
	<u>Membrane</u>			
6	Geofabric filter blanket wrapped around stone with 150mm side and 300mm end laps, including stitching	m2	705	
	<u>WATER SUPPLIES</u>			
	Carried Forward			R
	Section No. 4 Bill No. 11 Water Reticulation			

**EZIKWENI JUNIOR PRIMARY SCHOOL
THE MVULA TRUST SAFE PROGRAMME - OMITTED SCOPE**

Brought Forward			R
	<u>Class 10 black HDPE high density polyethylene pipes with and including "Plasson" compression fittings</u>		
7	75mm Pipes laid in and including trenches not exceeding 1m deep	m	455
	<u>Extra over class 10 HDPE pressure pipes for fittings with solvent welded joints</u>		
8	75mm Fittings	No	5
	<u>"Taps, valves etc."</u>		
9	75mm R.S.V gate valve	No	2
	<u>SUNDRIES</u>		
10	Water Meter	No	1
11	Anchor Blocks	No	20
12	Testing soil drainage pipe system		Item
Carried Forward to Summary of Section No. 4			R
Section No. 4			
Bill No. 11			
Water Reticulation			

Item No		Quantity	Rate	Amount
	<u>SECTION NO.4</u>			
	<u>BILL NO. 12</u>			
	<u>WATER STORAGE TANK AND STAND</u>			
	<u>MODEL PREAMBLES</u>			
	For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades			
	<u>EXCAVATION, FILLING, ETC</u>			
	<u>Site Clearance etc.</u>			
1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc	m2	6	
	<u>Earthworks</u>			
2	Holes	m3	4	
	<u>Extra over trench and hole excavations in earth for excavation in</u>			
3	Soft rock	m3	0.30	
4	Hard rock	m3	0.80	
	<u>Extra over all excavations for carting away:</u>			
5	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the Contractor	m3	4	
	<u>Risk of collapse of excavations:</u>			
6	Risk of collapse to sides of excavations	m2	6	
	<u>G7 filling obtained from the demolitions and/or prescribed stockpiles on site compacted to 93% Mod AASHTO density</u>			
7	Under floors, steps, paving etc.	m3	1	
	Carried Forward			R
	Section No. 4 Bill No. 12 Water Storage Tank and Stand			

	Brought Forward			R
	<u>Keeping excavations free of water</u>			
8	Keeping excavations free of all water other than subterranean water		Item	
	<u>Compaction of surfaces</u>			
9	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	m2	6	
	<u>Prescribed density tests on filling:</u>			
10	In-situ dry density test	No	1	
	<u>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>			
	<u>15MPa/19mm concrete</u>			
11	Surface blinding under surface beds	m3	0.3	
	<u>REINFORCED CONCRETE</u>			
	<u>25MPa/20mm reinforced concrete</u>			
12	Bases	m3	2	
	<u>STRUCTURAL STEELWORK</u>			
	<u>Galvanised tank stand</u>			
13	Pre-fabricated steel tank stand with 4.000m long legs, constructed complete as per details engineers specification	No	2.00	
	<u>PLUMBING AND DRAINAGE</u>			
	<u>"Jojo" or equal approved fixed uPVC vertical tank</u>			
14	Polyethylene tank (10kl) 1,82m diameter x 2,25m high on and including galvanised tank stand(stand measured elsewhere)	No	2	
	Carried Forward to Summary of Section No. 4			R
	Section No. 4			
	Bill No. 12			
	Water Storage Tank and Stand			

Bill No	<u>SECTION SUMMARY - External Works (Provisional)</u>	Page No		Amount
1	Storm Water Channel	37		
2	Concrete Aprons	40		
3	Concrete Walkways	42		
4	Ramps	45		
5	Fencing	48		
6	Sub-Soil Drainage	50		
7	Septic Tank	54		
8	French Drain	56		
9	Soak Away	58		
10	Drinking Fountain	62		
11	Water Reticulation	64		
12	Water Storage Tank and Stand	66		
	Carried to Final Summary			
	Section No. 4		R	

Item No		Quantity	Rate	Amount
	<u>SECTION NO.5</u>			
	<u>BILL NO. 1</u>			
	<u>PROVISIONAL SUMS</u>			
	<u>MODEL PREAMBLES</u>			
	Tenderers are referred to the relevant Clauses in the General Model Preambles for Trades (2017 Edition) before pricing this bill.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	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 thereto.			
	<u>BUDGETARY ALLOWANCES</u>			
	<u>COMMUNITY LIAISON OFFICER</u>			
1	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
2	Allow for profit and attendace	Item		
	<u>TEMPORARY TOILETS</u>			
3	Provide the sum of R105 000.00 (One Hundred and Five Thousand Rand) for the hire, maintenance and servicing of temporary ablutions for educators and learners during the entire constructions period	Item		105,000.00
	Carried Forward		R	
	Section No. 5 Bill No. 1 Provisional Sums			

**EZIKWENI JUNIOR PRIMARY SCHOOL
THE MVULA TRUST SAFE PROGRAMME - OMITTED SCOPE**

	Brought Forward		R
4	Allow for profit and attendance	Item	
	<u>DESLUDGING</u>		
5	Provide the sum of R120 000.00 (One Hundred and Twenty Thousand Rand) for the servicing of desludging	Item	120,000.00
6	Allow for profit and attendance	Item	
	<u>PERCOLATION TESTS</u>		
7	Provide the sum of R100 000.00 (One Hundred Thousand Rand) for percolation tests by specialist	Item	100,000.00
8	Allow for profit and attendance	Item	
	<u>GENERAL LANDSCAPING</u>		
9	Provide the sum of R50 000 (Fifty Thousand Rand) for general landscaping along walkways	Item	50,000.00
10	Allow for profit and general attendance	Item	
	Carried to Final Summary		R
	Section No. 5		
	Bill No. 1		
	Provisional Sums		

Section No	<u>FINAL SUMMARY</u>	Page No		Amount
1	Preliminaries	24		
2	Alterations	27		
3	Building Works	35		
4	External Works (Provisional)	67		
5	Provisional Sums	69		
	Sub Total 1		R	
	<u>CONTINGENCY SUM</u>			
	<i>Allow for Contingencies - 5%</i>	%		
	Sub total 2 - BUILDING COSTS INCL. OF CONTINGENCIES		R	
	Add: (VAT 15%)		R	
	Sub Total (VAT INCL.) CARRIED TO TENDER FORM		R	
	Carried to Cluster Summary		R	