

**MKUNYAZO SENIOR PRIMARY SCHOOL - COMPLETION
THE MVULA TRUST SAFE PROGRAMME**

Item No		Quantity	Rate	Amount
	<p><u>SECTION 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 abovementioned 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 to Collection			
	Section 1 Bill No. 1 Preliminaries		R	

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.

8. Where any item is not relevant to this specific contract, such item is marked N/A.

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.

Carried to Collection

Section 1
Bill No. 1
Preliminaries

R

SECTION A: PRINCIPAL BUILDING AGREEMENT

DEFINITIONS

Definitions and interpretation (Clause 1).

1 F: V: T:

Item

OBJECTIVE AND PREPARATION

Offer, acceptance and performance (Clause 2).

2 F: V: T:

Item

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'.

3 F: V: T:

Item

Design responsibility (Clause 4).

4 F: V: T:

Item

Employer's agents (Clause 5).

5 F: V: T:

Item

Site representative (Clause 6).

6 F: V: T:

Item

Compliance with regulations (Clause 7).

7 F: V: T:

Item

Carried to Collection

R

Section 1
Bill No. 1
Preliminaries

	Works risk (Clause 8)			
8	F: V: T:	Item		
	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'.			
9	F: V: T:	Item		
	Works insurances (Clause 10).			
10	F: V: T:	Item		
	Liability insurances (Clause 11).			
11	F: V: T:	Item		
	Effecting insurances (Clause 12).			
12	F: V: T:	Item		
	State Provisions (Clause 13).			
13	F: V: T:	Item		
	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).			
	Carried to Collection			
Section 1 Bill No. 1 Preliminaries			R	

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	
	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).		
	Carried to Collection		R
	Section 1 Bill No. 1 Preliminaries		

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

PAYMENT

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.

Carried to Collection

R

Section 1
Bill No. 1
Preliminaries

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: Item

Recovery of expense and loss (Clause 33).

31 F: V: T: Item

Final account and final payment (Clause 34).

32 F: V: T: Item

Payment to other parties (Clause 35).

33 F: V: T: Item

CANCELLATION

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).

36 F: V: T: Item

Cancellation - Cessation of the works (Clause 39).

37 F: V: T: Item

Carried to Collection

R

Section 1
Bill No. 1
Preliminaries

DISPUTE

Dispute Settlement (Clause 40)

38 F: V: T:

Item

SUBSTITUTE PROVISIONS

State Clauses (Clause 41)

39 F: V: T:

Item

CONTRACT VARIABLES

The Schedule: Pre-Tender information (Clause 42).

40 F: V: T:

Item

CONTRACTING AND OTHER PARTIES (Clause 42.1)

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: 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

Carried to Collection

R

Section 1
Bill No. 1
Preliminaries

CONTRACT DETAILS (Clause 42.2)

Clause 42.2.1

Works Description: Construction of new ablution facilities.

Clause 42.2.2

Site Description: The site is the existing school.

Clause 42.2.3

Work or Installations by Others: NIL

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

Clause 42.2.5

Date on which possession of the site is intended to be given on :-

To be advised.

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

Clause 42.2.7

Intended date of practical completion and the penalty per calendar day for the works as a whole :-

To be advised.

Carried to Collection

Section 1
Bill No. 1
Preliminaries

R

Penalty amount will be 5,75c/R100 of Contract Sum.

Clause 42.2.8

Intended dates of practical completion and the penalties per calendar day for the works in sections :

N/A

Clause 42.2.9

The law applicable to this agreement shall be that of - Republic of South Africa.

INSURANCES (Clause 42.3)

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.

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).

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.

DOCUMENTS (Clause 42.4)

Clause 42.4.1

Waiver of the contractor's lien is required :- YES

Carried to Collection

Section 1
Bill No. 1
Preliminaries

R

	<p>Clause 42.4.2</p> <p>Number of construction document copies to be supplied to the Contractor free of charge :- 1</p> <p>Clause 42.4.3</p> <p>Bills of Quantities drawn up in accordance with :-</p> <p>Standard System of Measuring Building Work - Seventh Edition including all amendments</p> <p>Clause 42.4.4</p> <p>Number of days for submission of priced documents : 5 working days from the Letter of Appointment.</p> <p>Clause 42.4.5</p> <p>JBCC Engineering General Conditions are to be included in the documents :- No</p> <p>Clause 42.4.6</p> <p>The contract value is to be adjusted using CPAP:- NO</p> <p><u>SECTION B: PRELIMINARIES</u></p> <p><u>DEFINITIONS AND INTERPRETATION (B1)</u></p> <p>Definitions and Interpretation (B1)</p>			
41	<p>F: V: T:</p> <p><u>DOCUMENTS (B2)</u></p> <p>Checking of documents (B2.1)</p> <p>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.</p>	Item		
42	<p>F: V: T:</p> <p>Provisional Bills of Quantities (B2.2) YES</p>	Item		
	Carried to Collection			R
	<p>Section 1 Bill No. 1 Preliminaries</p>			

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

THE SITE (B3)

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:

Item

Carried to Collection

R

Section 1
Bill No. 1
Preliminaries

	Geotechnical investigation (B3.2)			
	A desktop geotechnical report is available upon request.			
49	F: V: T:	Item		
	Inspection of the Site (B3.3)			
50	F: V: T:	Item		
	Existing premises occupied (B3.4)			
51	F: V: T:	Item		
	Previous work - dimensional accuracy (B3.5)			
52	F: V: T:	Item		
	Previous work - defects (B3.6)			
53	F: V: T:	Item		
	Services - known (B3.7)			
54	F: V: T:	Item		
	Services - unknown (B3.8)			
55	F: V: T:	Item		
	Protection of trees (B3.9)			
56	F: V: T:	Item		
	Articles of value (B3.10)			
57	F: V: T:	Item		
	Inspection of adjoining properties (B3.11)			
58	F: V: T:	Item		
	<u>MANAGEMENT OF CONTRACT (B4)</u>			
	Management of the Works (B4.1)			
59	F: V: T:	Item		
	Carried to Collection			
	Section 1			
	Bill No. 1			
	Preliminaries			
			R	

	Programme for the Works (B4.2)			
60	F: V: T:	Item		
	Progress meetings (B4.3)			
61	F: V: T:	Item		
	Technical meetings (B4.4)			
62	F: V: T:	Item		
	<u>SAMPLES AND SHOP DRAWINGS (B5)</u>			
	Samples of materials (B5.1)			
63	F: V: T:	Item		
	Workmanship samples (B5.2)			
64	F: V: T:	Item		
	Shop drawings (B5.3)			
65	F: V: T:	Item		
	<u>TEMPORARY WORKS AND PLANT (B6)</u>			
	Deposits and fees (B6.1)			
66	F: V: T:	Item		
	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.			
67	F: V: T:	Item		
	Advertising (B6.3)			
68	F: V: T:	Item		
	Carried to Collection		R	
	Section 1 Bill No. 1 Preliminaries			

69	Plant and equipment (B6.4) F: V: T:	Item		
	Main notice board (B6.5) One notice board shall be provided by the Contractor			
70	F: V: T: Subcontractors notice board (B6.6) (N/A)	Item		
71	F: V: T: <u>TEMPORARY SERVICES (B7)</u>	Item		
	Location (B7.1) F: V: T: 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).	Item		
73	F: V: T: 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).	Item		
74	F: V: T: 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).	Item		
75	F: V: T:	Item		
	<p align="center">Carried to Collection</p> Section 1 Bill No. 1 Preliminaries		R	

	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: <u>PRIME COST AMOUNTS (B8)</u> Responsibility for prime cost amounts (B8.1)	Item			
77	F: V: T: <u>ATTENDANCE ON N/S SUBCONTRACTORS (B9)</u> General Attendance (B9.1)	Item			
78	F: V: T: Special Attendance (B9.2)	Item			
79	F: V: T: Commissioning - fuel, water and power (B9.3)	Item			
80	F: V: T: <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).	Item			
81	F: V: T: Payment of Preliminaries (B10.2)	Item			
82	F: V: T: Adjustment of Preliminaries (B10.3)	Item			
83	F: V: T: Payment certificate cash flow (B10.4)	Item			
	Carried to Collection				R
	Section 1 Bill No. 1 Preliminaries				

84 F: V: T:

Contractor information supply (B10.5)

Item

85 F: V: T:

Item

GENERAL (B11)

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 to Collection

R

Section 1
Bill No. 1
Preliminaries

SECTION C: SPECIFIC PRELIMINARIES

Section C: Specific Preliminaries:

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.

94 F: V: T:

Item

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.

95 F: V: T:

Item

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.

96 F: V: T:

Item

C4. Overtime

Carried to Collection

R

Section 1
Bill No. 1
Preliminaries

97	<p>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> <p>F: V: T:</p> <p>C5. As built drawings</p> <p>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.</p> <p>Three full sets of as-built drawings shall be submitted to the Principal Agent no later than fourteen days after practical completion.</p>	Item		
98	<p>F: V: T:</p> <p>C6. Construction Instructions</p> <p>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:</p> <p>a) Construction Instruction Book:</p> <p>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.</p> <p>Only instructions issued in such book shall be recognised.</p> <p>b) Daily Record Book:</p>	Item		
	Carried to Collection		R	
<p>Section 1 Bill No. 1 Preliminaries</p>				

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 counter-signature on a daily basis. Copies of these records shall be for the Architect, Quantity Surveyor and Contractor.

99 F: V: T:

Item

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.

100 F: V: T:

Item

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.

101 F: V: T:

Item

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.

102 F: V: T:

Item

C10. Method Statement

Carried to Collection

R

Section 1
Bill No. 1
Preliminaries

103	<p>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> <p>F: V: T:</p> <p>C11. Unauthorised Persons/Workmen on Premises</p> <p>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.</p> <p>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>	Item	
104	<p>F: V: T:</p> <p>C12. Mode of Procedure</p> <p>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.</p> <p>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>	Item	
105	<p>F: V: T:</p>	Item	
Carried to Collection			R
<p>Section 1 Bill No. 1 Preliminaries</p>			

	<p>C13. Location of Temporary Buildings and Temporary Services</p> <p>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.</p> <p>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>				
106	<p>F: V: T:</p> <p><u>C14. Office accommodation</u></p> <p>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]</p>	Item			
107	<p>F: V: T:</p> <p><u>C15. Storage Facilities</u></p>	Item			
108	<p>The Contractor shall provide a Container for storage of materials.</p>	Item			
109	<p>F: V: T:</p>	Item			
110	<p>C16. Removal and Making Good of Temporary Works, etc, on Completion</p> <p>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 therefrom.</p> <p>F: V: T:</p>	Item			
	Carried to Collection			R	
	<p>Section 1 Bill No. 1 Preliminaries</p>				

**MKUNYAZO SENIOR PRIMARY SCHOOL - COMPLETION
THE MVULA TRUST SAFE PROGRAMME**

111 SUB - TOTAL: FIXED ITEMS

Item

112 SUB - TOTAL: VALUE - RELATED ITEMS

Item

113 SUB - TOTAL: TIME - RELATED ITEMS

Item

Carried to Collection

R

Section 1
Bill No. 1
Preliminaries

**MKUNYAZO SENIOR PRIMARY SCHOOL - COMPLETION
THE MVULA TRUST SAFE PROGRAMME**

Section 1

Bill No. 1

Preliminaries

COLLECTION

Total Brought Forward from Page No.

**Page
No**

Amount

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

Carried Forward

R

Section 1
Bill No. 1
Preliminaries

**MKUNYAZO SENIOR PRIMARY SCHOOL - COMPLETION
THE MVULA TRUST SAFE PROGRAMME**

Section 1

Bill No. 1

Preliminaries

COLLECTION

Brought Forward

Total Brought Forward from Page No.

**Page
No**

Amount

R

22

23

Carried Forward to Summary of Section No. 1

Section 1
Bill No. 1
Preliminaries

R

Item No		Quantity	Rate	Amount
	<p><u>SECTION 1</u></p> <p><u>BILL No. 2</u></p> <p><u>HEALTH AND SAFETY</u></p> <p><u>MODEL PREAMBLES</u></p> <p>The tenderer is referred to the "Model Preambles for Trades 2008" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates.</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>			
	Carried to Collection			R
	Section 1 Bill No. 2 Health and Safety			

<u>OCCUPATIONAL HEALTH AND SAFETY</u>					
<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.	No	1		
4	Principal Contractor's time related obligations in respect of the OHS Act and Construction Regulations for the entire construction period.	No	1		
5	Provision of full time Health and Safety Officer for the entire construction period.	No	1		
6	Induction training of 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	40		
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	10		
11	Hard hats.	No	10		
12	Protective foot wear.	No	15		
13	Ear Plugs.	No	10		
14	Dust Masks.	No	10		
<u>Costs of Medical Certificates and Medical Surveillance:</u>					
15	Initial (baseline) medical examinations.	No	15		
Carried to Collection					R
Section 1					
Bill No. 2					
Health and Safety					

**MKUNYAZO SENIOR PRIMARY SCHOOL - COMPLETION
THE MVULA TRUST SAFE PROGRAMME**

Section 1

Bill No. 2

Health and Safety

COLLECTION

Total Brought Forward from Page No.

**Page
No**

26

27

28

Amount

Carried Forward to Summary of Section No. 1

Section 1
Bill No. 2
Health and Safety

R

Section 1

SECTION SUMMARY - PRELIMINARIES

**Bill
No**

**Page
No**

Amount

Preliminaries

25

Health and Safety

29

Carried to Final Summary

R

Section 1

Item No	Quantity	Rate	Amount
<p><u>SECTION 2</u></p> <p><u>BILL No. 1</u></p> <p><u>DEMOLITIONS AND ALTERATIONS</u></p> <p><u>MODEL PREAMBLES</u></p> <p>The tenderer is referred to the "Model Preambles for Trades 2008" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>View site</u></p> <p>Before submitting his tender the tenderer shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials contained in the buildings or portions of the buildings to be demolished. No claim for any variations of the contract sum in respect of the nature and extent of the work or of inferior or damaged materials will be entertained</p> <p><u>Explosives</u></p> <p>No explosives whatsoever may be used for demolition purposes unless otherwise stated.</p> <p><u>General</u></p> <p>Water supply pipes and other piping in ground that may be encountered and found necessary to disconnect or cut, shall be effectually stopped off or grubbed up and removed, and any new connections that may be necessary shall be made with proper fittings to the satisfaction of the principal agent.</p> <p>Unless otherwise described all materials are to become the property of the contractor and are to be removed from the site.</p>			
Carried to Collection			R
<p>Section 2 Bill No. 1 Demolitions and alterations</p>			

Removal of asbestos material

All preparatory work, alterations, etc., to existing asbestos cement roof sheeting, gutters, rainwater pipes, etc., is to be carried out strictly by an approved and certified specialist company and in accordance with statutory requirements (Occupational Health and Safety Act, 1993 - Asbestos Regulations 2001) and all necessary precautions must be taken when working with and disposing of asbestos cement products and the disposal of waste water resulting from cleaning operations, etc.

The following shall apply in respect of asbestos removal

The removal of asbestos shall be carried out by a certified entity, registered in accordance with the Occupational Health and Safety Act, 1993 and the Asbestos Regulations 2001

Asbestos in all forms/building elements that is to be removed, shall be carried out in strict accordance with aforementioned regulation and a certificate issued by the entity as contemplated in the above, shall be provided per block for the removal thereof, where the term block shall in this context refer to any single, free standing building structure, regardless of size or purpose

Corresponding disposal certificates shall be issued by the facility at which the asbestos is disposed off, with said facility to, prior to the disposal of any asbestos material provide satisfactory proof that the facility is duly registered and fully compliant in terms of the act, to receive the asbestos material

Under no circumstances is the Contractor nor any of his duly authorised representatives to sell and/or give away asbestos material to any member/s of the school community, the community in general or the public at large. Should this be found to be occurring, the Contractor will be held responsible contractually and may further be prosecuted criminally

The cost for complying with the above, and all requirements of regulation as reflected above is to be priced for in terms for removal of asbestos material. No further claims in this regard will therefore be entertained

Carried to Collection

R

Section 2
Bill No. 1
Demolitions and alterations

DEMOLISHING AND REMOVING

1	Demolish pit latrine structure comprising of brick/block work with corrugated roof sheeting, approximate size 1 x 1m wide with 2.2m high top structure and 2,0m deep pit. Demolition is to only commence once the latrine has been completely emptied (elsewhere measured).	No	13	
2	Demolish pit latrine structure comprising of brick/block work with corrugated roof sheeting, approximate size 8.6 x 3.3m wide with 2.7m high top structure and 2,0m deep pit. Demolition is to only commence once the latrine has been completely emptied (elsewhere measured).	No	1	
3	Cart away rubble from demolitions and dispose off site.			Item
4	Backfill existing hole with G7 fill material in max. 150mm layers and compact to 95% MOD AASHTO density.	m3	26	
5	Allow for compaction tests by an approved laboratory to determine density of filling material.	No	10	

SUNDRIES

Desludging

6	Clean out pit latrine by desludging including removal of all debris and waste including solid waste as per Health and Safety requirements and make good on completion including disposing of all debris and waste at an authorised municipal waste disposal facility. Contractor to price per seat	No	13	
7	Issue of Certificate of Waste Disposal.			Item

REPAIR AND SERVICING OF EXISTING

Budgetary allowance

8	Allow a budgetary allowance for the sum of R80 000.00 for replacement of vandalised items during procurement of a contractor and to be deducted in full or part if not required.			Item
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Carried to Collection

R

Section 2
Bill No. 1
Demolitions and alterations

<u>Sealing of existing roof</u>					
9	Carefully examine existing entire roof area ,locate leaks with particular attention given to roof leaks where marks are visible on walls and ceilings, locate holes, solder, replace defective screws using longer screws where necessary	m2	149		
<u>Check and repair existing timber doors</u>					
10	Timber single door not exceeding 2,5m2	No	2		
<u>Repair and servicing of existing steel gates</u>					
11	Security door size 813 x 2 032mm high from brick walls	No	4		
<u>Taking out and removing sundry joinery work, fittings, etc</u>					
12	Fascia board	m	12		
<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>					
13	Gutters and down pipes including brackets	m	2		
<u>CLEANING OF EXISTING SURFACES</u>					
14	Clean existing facebrick walls surfaces with a high pressure water spray to remove all debris and oil ,inspect recessed joints and fill with mortar where necessary to achieve flush joints.	m2	340		
<u>CLEANING OF PITS</u>					
<u>Cleaning of pits</u>					
15	Cleaning of existing toilet pits and leave in good order	No	21		
<u>REPLACE DIAMOND MESH FENCE</u>					
<u>Replace existing school diamond mesh fence</u>					
16	Supply and install 1 800mm high diamond mesh fence including steel poles and standards.	m	60		
Carried to Collection					
Section 2					
Bill No. 1					
Demolitions and alterations					
				R	

**MKUNYAZO SENIOR PRIMARY SCHOOL - COMPLETION
THE MVULA TRUST SAFE PROGRAMME**

Section 2

Bill No. 1

Demolitions and alterations

COLLECTION

Total Brought Forward from Page No.

**Page
No**

Amount

31

32

33

34

Carried to Final Summary

R

Section 2

Bill No. 1

Demolitions and alterations

Item No	Quantity	Rate	Amount
<p><u>SECTION 3</u></p>			
<p><u>BILL No. 1</u></p>			
<p><u>WATERPROOFING</u></p>			
<p><u>Quantity Split:</u></p>			
<p>Note that the total quantity per each item is split into the various buildings and appears below each description as follows:</p>			
<p>A0 - DWG 04 - Staff Ablutions A1 - DWG 06 - Grade R Ablutions A6 - DWG 14 - Male Ablutions AD - DWG 35 - Female Ablutions</p>			
<p><u>MODEL PREAMBLES</u></p>			
<p>The tenderer is referred to the "Model Preambles for Trades 2008" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates</p>			
<p><u>SUPPLEMENTARY PREAMBLES</u></p>			
<p><u>Proprietary products in descriptions:</u></p>			
<p>Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.</p>			
<p><u>Waterproofing</u></p>			
<p>Complete pit sealing/waterproofing from seepage due to underground water ingress as result of high water table, perched water tables etc</p>			
<p align="center">Carried to Collection</p>			
<p>Section 3 Bill No. 1 Waterproofing</p>			
			R

Contractor to provide water proofing product that will be 100% resistant to extreme hydrostatic pressure at depth of 2m, from the positive (water from inside) of substrate. Resistant to aggressive chemicals i.e oil, salt water, sewage, weak acids and aggressive sulphate soils. The product must be able to withstand backfilling without protection and must not be subject to deterioration. The product must be able to ensure that the pit structure is fully sealed (100% free from water ingress from outside and it will not penetrate the pit).

The product and its methodology for application must be approved by Principal Agent before it is used.

It is a mandatory requirement for the Contractor to attend training to be provided by Supplier. Proof of attendance will be required prior to application of the approved waterproofing product.

Contractor must prepare a 1m x 1m sample in the presence of the Principal Agent or Engineer. In this case, the Contractor must give at least 48 hours notice prior to the date when the application of the waterproofing product is intended to be done.

Contractor to provide a Letter of Compliance confirming that waterproofing has been applied as per Manufacturer's instructions and data sheet.

JOINT SEALANTS ETC

Clear Neutral silicone sealant:

1	In joint sealing and pointing all round external window and door frames.	m	188	
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Carried to Collection

R

Section 3
Bill No. 1
Waterproofing

**MKUNYAZO SENIOR PRIMARY SCHOOL - COMPLETION
THE MVULA TRUST SAFE PROGRAMME**

Section 3

Bill No. 1

Waterproofing

COLLECTION

Total Brought Forward from Page No.

**Page
No**

36

37

Amount

Carried Forward to Summary of Section No. 3

Section 3
Bill No. 1
Waterproofing

R

Item No	Quantity	Rate	Amount
<p><u>SECTION 3</u></p> <p><u>BILL No. 2</u></p> <p><u>ROOF COVERINGS</u></p> <p><u>Quantity Split:</u></p> <p>Note that the total quantity per each item is split into the various buildings and appears below each description as follows:</p> <p>A0 - DWG 04 - Staff Ablutions A1 - DWG 06 - Grade R Ablutions A6 - DWG 14 - Male Ablutions AD - DWG 35 - Female Ablutions</p> <p><u>MODEL PREAMBLES</u></p> <p>The tenderer is referred to the "Model Preambles for Trades 2008" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Flashings</u></p> <p>Flashings shall be approved by roof sheeting manufacturer and fixed to the sheeting with S10 clips to obviate any direct fixing perforations. Prior to flashings being fixed, all troughs at the apex shall be stop-ended to the full depth of the sheet in order to prevent any penetration of wind driven water. The trough shall be lipped at the eaves end to form a drip. Flashing flanges shall be notched to the sheet profile where necessary. All these operations must be performed with special tools available from the manufacturer. Care shall be taken to ensure that no sheeting or flashing will be cut with abrasive disc on roof surface in order to prevent steel splatter from penetrating colour coated areas. The flashings shall be supplied with a paint finish consisting of a full top coat silicon modified polyester Colour : White to one side</p>			
Carried to Collection			R
Section 3 Bill No. 2 Roof Coverings Etc.			

Quality Assurance

The manufacturer shall be assessed and certified as complying with ISO 9001: 2008 Quality Management System

Guarantee

Z200 Galvanized Metal or equal approved sheeting shall be laid in strict accordance with manufacturer's specifications by an approved contractor. The employer shall be provided with a ten year written guarantee on materials by the manufacturer.

Safety

The contractor shall exercise special care when handling long length sheeting, particularly in windy conditions. Should work be interrupted for any reason, all loose sheeting and incomplete sections must be adequately secured against possible movement by wind and gravity

Handling and Storage

The contractor shall ensure that all materials used on site for cladding, etc are transported, handled and stored in accordance with the manufacturer's recommendations. Material damaged shall be rejected and replaced with undamaged material at the contractor's expense. Repair of damaged material will not generally be permitted. Rates are to include for preventing damage and protecting sheets through all stages of construction

Carried to Collection

Section 3
Bill No. 2
Roof Coverings Etc.

R

Inspection Prior to Installation or Erection

Before commencing with installation, the contractor shall verify that the following items have been checked and accepted:

- a. The entire structure or the portion thereof to be sheeted has been correctly aligned, levelled and grouted
- b. Purlins and sheeting rails are at the correct spacing and are within the specified tolerances
- c. The corners of the roof are square and the wall framework is perpendicular or as specified
- d. No protrusions such as bolt heads, splice plates, cleats, etc. appear on the face of the framework
- e. All members to which roofing and cladding are to be fixed in aesthetically sensitive areas are true and square
- f. Paint and any other materials that may be incompatible with the sheeting, have been painted over or so dealt with that direct contact with the sheeting is avoided
- g. The contact faces between the purlins or the girts and the cladding are in the same plane. Should the alignment be inadequate, the contractor shall request instructions from the engineer before proceeding with the fixing of the cladding

Protrusion through Sheeted Surfaces

Protrusions such as pipes, ducts and the like, shall be adequately flashed where they pass through the sheeting surface. Where ribs have to be cut away to permit penetration, additional framing is to be installed as required to support the sheeting. Depending on the position of the penetration through the roof, special attention shall be given to back flashing the sheeting to the ridge or point of water entry. In all cases, all cutting and flashings shall be so arranged that adequate provision is made for the drainage of all troughs and corrugation

Cleaning of Roofs, etc

All debris, etc arising from the fixing of the cladding shall be removed from the sheetin as the fixing progresses. In addition, off-cuts of insulation, surplus fastners and sealants, mandrels from pop rivets, off-cuts of flashings and sheeting, surplus flashing, food packaging, cartons, bottles, cans, etc shall not be left on the roof or in the gutters. Care shall be taken to ensure that no such material enters, blocks or partially impedes the flow of water into the outlets, downpipes, etc

Carried to Collection

Section 3
Bill No. 2
Roof Coverings Etc.

R

ROOF AND WALL INSULATION

"Sisalation Grade FR430" or equal approved heavy industrial insulation

1	Secure insulation with galvanised steel straining wires.	m2	149	
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ROOF SHEETING COCs

Roof sheeting COC

2	Provide roof sheeting COC for 4No blocks.		Item	
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Carried to Collection

R

Section 3
Bill No. 2
Roof Coverings Etc.

**MKUNYAZO SENIOR PRIMARY SCHOOL - COMPLETION
THE MVULA TRUST SAFE PROGRAMME**

Section 3

Bill No. 2

Roof Coverings Etc.

COLLECTION

Total Brought Forward from Page No.

**Page
No**

Amount

39

40

41

42

Carried Forward to Summary of Section No. 3

R

Section 3

Bill No. 2

Roof Coverings Etc.

<u>Sawn softwood:</u>					
4	50 x 76mm timber for bracing.	m	48		
5	38 x 114mm timber for beam filling.	m	74		
<u>Sundries:</u>					
6	TRI FIX or equal approved hurricane clip fixed using 10 x 32mm galvanised clout nails (Provisional).	No	40		
<u>EAVES, VERGES, ETC</u>					
<u>"Everite Nutec" or equal approved fibre cement</u>					
7	12 x 225mm Fascia board drilled and brass screwed to rafter feet including galvanised steel H-profile jointing strips, etc.	m	4		
8	85 x 275 x 6mm Barge board drilled and brass screwed to purlin ends including galvanised steel H-profile jointing strips, screws, holes, etc.	m	4		
<u>FRAMED FRAMES, ETC</u>					
<u>Meranti quadrant nailed to timber door frames</u>					
9	19mm quadrant nailed to timber door frames	m	146		
Carried to Collection					R
Section 3					
Bill No. 3					
Carpentry and Joinery					

**MKUNYAZO SENIOR PRIMARY SCHOOL - COMPLETION
THE MVULA TRUST SAFE PROGRAMME**

Section 3

Bill No. 3

Carpentry and Joinery

COLLECTION

Total Brought Forward from Page No.

**Page
No**

44

45

Amount

Carried Forward to Summary of Section No. 3

Section 3
Bill No. 3
Carpentry and Joinery

R

Item No	Quantity	Rate	Amount
<p><u>SECTION 3</u></p>			
<p><u>BILL No. 4</u></p>			
<p><u>IRONMONGERY</u></p>			
<p><u>Quantity Split:</u></p>			
<p>Note that the total quantity per each item is split into the various buildings and appears below each description as follows:</p>			
<p>A0 - DWG 04 - Staff Ablutions A1 - DWG 06 - Grade R Ablutions A6 - DWG 14 - Male Ablutions AD - DWG 35 - Female Ablutions</p>			
<p><u>MODEL PREAMBLES</u></p>			
<p>The tenderer is referred to the "Model Preambles for Trades 2008" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates</p>			
<p><u>SUPPLEMENTARY PREAMBLES</u></p>			
<p><u>Keys/Locks</u></p>			
<p>Each lock is to be distinctly numbered with consecutive numbers and each key is to be stamped with the corresponding number to the lock that it controls. All locks are to have two keys</p>			
<p><u>Trade Names</u></p>			
<p>Where trade names are specified other ironmongery approved by the Principal Agent may be used</p>			
<p><u>Fixing</u></p>			
<p>Fixing of ironmongery is deemed to be fixed to timber unless otherwise described</p>			
<p align="center">Carried to Collection</p>			
<p>Section 3 Bill No. 4 Ironmongery</p>			
			R

LOCKS

1	"UNION 2277-78SS" or equal approved three lever sash mortice lockset.	No	2
2	"UNION w/c indicator bolt satin chrome - Code CZ80941SC	No	1

HANDLES

3	"Dorma DPH301B" or equal approved Stainless Steel Straight Tubular Pull handle flange fixing.	No	21
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Sundries:

4	Stainless Steel Hat and coat hook, code DHC - SS-030-A or equal approved.	No	14
5	38mm Diameter black rubber door stop plugged and screwed to wall.	No	24

SIGN PLATES:

All sign plates are to be with engraved blue perspex all in accordance with the standard sign plates for Schools.

6	Sign plate plugged and screwed to walls with chromium plated dome headed screws.	No	7
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SUNDRIES

Halcast or equal approved"

7	Thiefproof toilet roll holder plugged.	No	2
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Satin Grey Plastics or equal approved

8	"Satin plastic N-SBIN-12-SA SHE Bin size 463 x 140 x 480mm, floor standing loose.	No	8
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Carried to Collection

R

Section 3
Bill No. 4
Ironmongery

**MKUNYAZO SENIOR PRIMARY SCHOOL - COMPLETION
THE MVULA TRUST SAFE PROGRAMME**

Section 3

Bill No. 4

Ironmongery

COLLECTION

Total Brought Forward from Page No.

**Page
No**

47

48

Amount

Carried Forward to Summary of Section No. 3

Section 3
Bill No. 4
Ironmongery

R

Item No		Quantity	Rate	Amount
	<p><u>SECTION 3</u></p> <p><u>BILL No. 5</u></p> <p><u>METALWORK</u></p> <p><u>Quantity Split:</u></p> <p>Note that the total quantity per each item is split into the various buildings and appears below each description as follows:</p> <p>A0 - DWG 04 - Staff Ablutions A1 - DWG 06 - Grade R Ablutions A6 - DWG 14 - Male Ablutions AD - DWG 35 - Female Ablutions</p> <p><u>MODEL PREAMBLES</u></p> <p>The tenderer is referred to the "Model Preambles for Trades 2008" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>The Contractor is to check and verify on site that the item specified in the BoQ matches existing prior to placing orders. Additional costs will not be borne by the client for items that do not match existing and are not approved by the Principal Agent</p>			
	Carried to Collection			
	Section 3 Bill No. 5 Metalwork		R	

ALUMINIUM WINDOWS

All aluminium windows are to be manufactured by manufacturers who are members of AAAMSA. All aluminium systems to be approved by AAAMSA.

All aluminium work is to be protected by covering with plastic sheeting fixed with low tack adhesive prior to leaving the factory. Plastic sheeting is to remain in place during construction.

All glazing shall be in accordance with SABS 0400 - 1990, SABS 1263 - 1. All safety glazing materials (individual panes) shall be permanently marked. Such marking shall be visible after glazing process. If it is not marked, it is not safety glass.

Sealing of aluminium windows:

- | | | | | |
|---|---|----|----|--|
| 1 | Seal all aluminium windows and leave in good working order. | No | 38 | |
|---|---|----|----|--|

HOT DIP GALVANIZED STEEL GATES

Note: The contractor is to check on site measurements before placing of order.

Security Gate consisting of 25 x 25 x 2mm galvanised mild steel frame with 12mm galvanised mild steel square bars infill placed at 109mm centres, hung with one pair of galvanised mild steel hinges including locks, handles, ironmongery complete and fixed to brickwork:

- | | | | | |
|---|---|----|---|--|
| 2 | Re-install all loose gates and leave in good working order. | No | 3 | |
|---|---|----|---|--|

Security Gate consisting of 25 x 25 x 2mm galvanised mild steel frame with 12mm galvanised mild steel square bars infill placed at 109mm centres, hung with one pair of galvanised mild steel hinges including locks, handles, ironmongery complete and fixed to brickwork:

- | | | | | |
|---|---|----|---|--|
| 3 | Security double gate size 1 800 x 2 050mm high. | No | 1 | |
|---|---|----|---|--|

Carried to Collection

R

Section 3
Bill No. 5
Metalwork

**MKUNYAZO SENIOR PRIMARY SCHOOL - COMPLETION
THE MVULA TRUST SAFE PROGRAMME**

Section 3

Bill No. 5

Metalwork

COLLECTION

Total Brought Forward from Page No.

**Page
No**

50

51

Amount

Carried Forward to Summary of Section No. 3

Section 3
Bill No. 5
Metalwork

R

**MKUNYAZO SENIOR PRIMARY SCHOOL - COMPLETION
THE MVULA TRUST SAFE PROGRAMME**

Item No		Quantity	Rate	Amount
	<u>SECTION 3</u>			
	<u>BILL No. 6</u>			
	<u>PLASTERING</u>			
	<u>Quantity Split:</u>			
	Note that the total quantity per each item is split into the various buildings and appears below each description as follows:			
	A0 - DWG 04 - Staff Ablutions			
	A1 - DWG 06 - Grade R Ablutions			
	A6 - DWG 14 - Male Ablutions			
	AD - DWG 35 - Female Ablutions			
	<u>MODEL PREAMBLES</u>			
	The tenderer is referred to the "Model Preambles for Trades 2008" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates			
	<u>SCREEDS</u>			
	<u>Untinted granolithic, on concrete:</u>			
1	30mm Thick on floors and landings.	m2	4	
	<u>Skirtings</u>			
2	75mm High coved granolithic skirting.	m	6	
	Carried Forward to Summary of Section No. 3			R
	Section 3			
	Bill No. 6			
	Plastering			

Item No		Quantity	Rate	Amount
	<u>SECTION 3</u>			
	<u>BILL No. 7</u>			
	<u>PLUMBING AND DRAINAGE (PROVISIONAL)</u>			
	<u>Quantity Split:</u>			
	Note that the total quantity per each item is split into the various buildings and appears below each description as follows:			
	A0 - DWG 04 - Staff Ablutions			
	A1 - DWG 06 - Grade R Ablutions			
	A6 - DWG 14 - Male Ablutions			
	AD - DWG 35 - Female Ablutions			
	<u>MODEL PREAMBLES</u>			
	The tenderer is referred to the "Model Preambles for Trades 2008" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates			
	<u>RAINWATER DISPOSAL:</u>			
	<u>Watertite or equal approved Aluminium Gutters and Downpipes:</u>			
1	Connect downpipe to rainwater tanks and leave in good order.	No	5	
	<u>TAPS, VALVES, ETC</u>			
	<u>Solid Cast brass taps, valves, etc:</u>			
2	"Cobra KM2-200" or other approved 15mm chrome plated metered bib tap with non-hold open feature and flow controller.	No	2	
	<u>WASTE UNIONS ETC</u>			
	Carried to Collection			R
	Section 3			
	Bill No. 7			
	Plumbing and Drainage (Provisional)			

	<u>Outlets, traps, etc:</u>				
3	40mm Rubber "P" or "S" trap	No	2		
	<u>SANITARY FITTINGS</u>				
	<u>Vaal or equal approved:</u>				
4	Check and inspect for leaks in all basin and leave in good order.	No	13		
	<u>Franke Model TU101 or equal approved flush valve/cistern flat back wall mounted urinal:</u>				
5	Re-install urinal as per specification and leave in good order.	No	2		
	<u>SANITARY PLUMBING</u>				
	<u>PVC waste or vent pipes and fittings:</u>				
6	50mm Waste pipe.	m	12		
7	Take out and remove all vent pipes not according to specification.	m	72		
8	Envirosan or equal approved fly screens to top of 110 diameter vent pipe.	No	2		
9	110mm Vent pipe fixed to wall with proprietary brackets at not exceeding 500mm centres.	m	72		
	<u>uPVC gulleys</u>				
10	200mm Precast concrete gully dish and uPVC lowback assembly complete with 110mm P trap gully (code UGB 40) including 190mm diameter head (code UGA 40) and grate (code UGG 40), not exceeding 750mm deep, jointed to 110mm drain pipe, including excavations for and encasing in concrete (15MPa crushing strength after 28 days) worked up to form kerb, finished smooth on top in 1:3 cement mortar.	No	4		
	<u>Extra for:</u>				
11	50mm Bend.	No	4		
12	50mm Access bend.	No	3		
	Carried to Collection				R
	Section 3				
	Bill No. 7				
	Plumbing and Drainage (Provisional)				

Testing

18 Test and commissioning of plumbing including issuing plumbing certificate

Item

Carried to Collection

R

Section 3
Bill No. 7
Plumbing and Drainage (Provisional)

**MKUNYAZO SENIOR PRIMARY SCHOOL - COMPLETION
THE MVULA TRUST SAFE PROGRAMME**

Section 3

Bill No. 7

Plumbing and Drainage (Provisional)

COLLECTION

Total Brought Forward from Page No.

**Page
No**

Amount

54

55

56

57

Carried Forward to Summary of Section No. 3

Section 3
Bill No. 7
Plumbing and Drainage (Provisional)

R

Item No		Quantity	Rate	Amount
	<p><u>SECTION 3</u></p> <p><u>BILL No. 8</u></p> <p><u>PAINTWORK</u></p> <p><u>Quantity Split:</u></p> <p>Note that the total quantity per each item is split into the various buildings and appears below each description as follows:</p> <p>A0 - DWG 04 - Staff Ablutions A1 - DWG 06 - Grade R Ablutions A6 - DWG 14 - Male Ablutions AD - DWG 35 - Female Ablutions</p> <p><u>MODEL PREAMBLES</u></p> <p>The tenderer is referred to the "Model Preambles for Trades 2008" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Trade Names</u></p> <p>Where trade names are specified it will read "or equal approved"</p> <p><u>Epoxy paint</u></p> <p>The product and its methodology for application must be approved by Principal Agent before it is used.</p> <p>Contractor must prepare a 1m x 1m sample in the presence of the Principal Agent. In this case, the Contractor must give at least 48 hours notice prior to the date when the application of the epoxy paint is intended to be done.</p>			
	Carried to Collection			R
	Section 3 Bill No. 8 Paintwork			

Contractor to provide a Letter of Compliance confirming that epoxy paint has been applied as per Manufacturer's instructions and data sheet. Proof of payment for the epoxy paint must be provided to the Principal Agent once approval has been granted.

PAINTWORK, ETC TO PREVIOUSLY PAINTED SURFACES

ON WOOD

Stop, sand down and prepare wood surfaces and apply one coat wood primer, one undercoat and two coats eggshell enamel paint as per Plascon or equal approved:

1	On doors	m2	76
2	On door frames	m2	24

Prepare and apply two coats carbolenium on:

3	On exposed timbers.	m2	26
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ON FIBRE-CEMENT

Prepare and apply two coats pure acrylic roof paint on:

4	On fascias and barge boards.	m2	18
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ON PVC VENT PIPE

Prepare and apply two coats black PVA paint:

5	Vent Pipes	m2	68
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Carried to Collection

R

Section 3
Bill No. 8
Paintwork

**MKUNYAZO SENIOR PRIMARY SCHOOL - COMPLETION
THE MVULA TRUST SAFE PROGRAMME**

Section 3

Bill No. 8

Paintwork

COLLECTION

Total Brought Forward from Page No.

**Page
No**

59

60

Amount

Carried Forward to Summary of Section No. 3

Section 3
Bill No. 8
Paintwork

R

Section 3

SECTION SUMMARY - BUILDING WORKS

**Bill
No**

**Page
No**

Amount

Waterproofing

38

Roof Coverings Etc.

43

Carpentry and Joinery

46

Ironmongery

49

Metalwork

52

Plastering

53

Plumbing and Drainage (Provisional)

58

Paintwork

61

Carried to Final Summary

R

Section 3

Item No		Quantity	Rate	Amount
	<u>SECTION No. 4</u>			
	<u>BILL No. 1</u>			
	<u>EXTERNAL WORKS (PROVISIONAL)</u>			
	<u>MODEL PREAMBLES</u>			
	The tenderer is referred to the "Model Preambles for Trades 2008" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates			
	<u>THE FOLLOWING IN PLATFORMS, ETC.</u>			
	<u>Extra over all excavations for carting away:</u>			
1	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor.	m3	170	
	<u>Surface Preparation:</u>			
2	Trim and level off surface of ground (excavated or filled under this Contract) including excavating or filling, ripping and scarifying as necessary and compacting the whole area for a depth of 300mm to a density of at least 90% Mod. AASHTO maximum density, part to falls.	m2	700	
	<u>THE FOLLOWING IN WALKWAYS</u>			
	<u>Excavation not exceeding 2m deep</u>			
3	Reducing levels and depositing excavated material in prescribed stock piles on site.	m3	15	
	<u>Extra over all excavations for loading, carting and dumping surplus excavated material (no allowance made for increase in bulk):</u>			
4	Off site to a dumping site to be found by the Contractor.	m3	15	
	Carried to Collection			R
	Section 4			
	Bill No. 1			
	External Works			

**MKUNYAZO SENIOR PRIMARY SCHOOL - COMPLETION
THE MVULA TRUST SAFE PROGRAMME**

	<u>Earth filling from excavated material</u>				
5	Dig, load and remove filling selected from spoil heaps on site and deposit as filling in platforms including spreading and compacting to cambers and falls in layers not exceeding 150 mm thick to a minimum of 95% Modified AASHTO dry density.	m3	30		
	<u>Filling supplied by the contractor under walkways</u>				
6	G7 Base course material compacted to 98% Mod AASHTO density	m3	25		
7	Over site of Selected Subgrade G5 material in accordance with SABS 1 200 DM in layers not exceeding 150mm thick and compacted to 95% Mod AASHTO density.	m3	25		
	<u>Rip and Re - compact insitu material on site compacted to 93% Mod. AASHTO density:</u>				
8	Under floors,etc.	m2	200		
	<u>Prescribed density tests on filling:</u>				
9	In-situ dry density test.	No	10		
	<u>Approved brand of anti-termite soil poison applied by a Registered Pest Control Company and guaranteed against termite infestation for ten years:</u>				
10	Treat filling under paving with 'Chlordane Heptachlor Aldrin' or equal approved.	m2	250		
	<u>Concrete Paving Blocks</u>				
	<u>Paving of 50mm thick 200x100mm 25MPa Bevel Bond paver blocks grey in colour in herringbone pattern on and including 20mm thick sand bed with dry filler sand swept and vibrated into joints all laid on subgrade (elsewhere measured) conforming to SABS 1200D degree of accuracy 1:</u>				
11	Paving to walkway areas, etc laid to falls.	m2	125		
12	Extra over ordinary paving for 200mm wide block-on-flat header course edging on 100mm thick mortar bed including unreinforced concrete haunching along outside edge.	m	200		
	Carried to Collection				
	Section 4				
	Bill No. 1				
	External Works				
					R

13	Labour only of laying paving to walkway areas, etc	m2	125
14	Ditto but circular on plan.	m	9
<u>Kerbing</u>			
<u>Precast or in situ mass concrete (25 MPa - 19 mm stone) kerbs cast in convenient lengths with exposed faces finished smooth from the mould and all salient angles rounded, jointed and pointed in 1:3 cement mortar, including excavations, formwork, etc.</u>			
15	Figure 8B (300 x 275 x 175mm) semi mountable kerb laid in lengths not exceeding 1000mm on a well rammed earth bottom or base course.	m	120
16	Labour only to lay kerbs including ramming and concrete edging.	m	180
17	Ditto but circular on plan.	m	6
18	Fig. 12 kerb size 75 x 150mm high overall, laid in lengths not exceeding 1000mm on a well rammed earth bottom or base course.	m	6
19	Ditto but circular on plan.	m	6

**THE FOLLOWING IN ONE BRICK WALL
(GARDEN WALL)**

Excavation in earth not exceeding 2m deep:

20	Trenches.	m3	24
<u>Extra over all excavations for carting away:</u>			
21	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the Contractor.	m3	24
<u>Risk of collapse of excavations:</u>			
22	Sides of trench and hole excavations not exceeding 1,5m deep.	m2	96

Carried to Collection

R

Section 4
Bill No. 1
External Works

	<u>Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 93% MOD AASHTO density:</u>				
23	Backfilling to trenches, holes, etc.	m3	22		
	<u>Earth filling (G7 material) supplied by the contractor in layers not exceeding 150mm thick and compacted to 98% Mod AASHTO density:</u>				
24	Under footings.	m3	9		
	<u>Compaction of surfaces</u>				
25	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	30		
	<u>25 Mpa/19mm Concrete</u>				
26	Strip footings.	m3	3		
	<u>Test blocks:</u>				
27	Making and testing of 150x150x150mm concrete strength test cubes (Provisional).	No	2		
	<u>Reinforcement (Provisional)</u>				
28	High tensile steel reinforcement bars to structural concrete work.	t	0.60		
	<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>				
29	One brick walls.	m2	12		
	<u>BRICKWORK IN SUPERSTRUCTURE</u>				
	<u>Brickwork of NFP bricks (14 MPa nominal compressive strength) in Class II mortar (Cement to be 42.5N all-purpose cement):</u>				
	Carried to Collection				R
	Section 4				
	Bill No. 1				
	External Works				

**MKUNYAZO SENIOR PRIMARY SCHOOL - COMPLETION
THE MVULA TRUST SAFE PROGRAMME**

30	One brick walls.	m2	48		
	<u>Brickwork reinforcement:</u>				
31	230mm Wide reinforcement built in horizontally.	m	160		
32	Ditto but in foundations.	m	80		
	<u>FACE BRICK</u>				
	<u>"Rustgold FBS/Qunu Travertine" clay face brick or equal approved, size 222 x 106 x 73mm, bedded and jointed in Class II mortar and pointed with recessed vertical and recessed horizontal joints, suitable for exposure zones 1-2 (Cement to be 42.5N all-purpose cement):</u>				
33	One brickwall faced on both sides.	m2	96		
	<u>Brick-on-edge header course copings, sills, etc, of "Rustgold FBS/Qunu Travertine" or equal approved face bricks pointed with recessed joints on all exposed faces, 220mm wide sill set sloping and slightly projecting:</u>				
34	230mm wide header course to top of one brick wall bedded and jointed in cement mortar and pointed on top and both sides as described.	m	60		
	<u>STORMWATER CHANNELS</u>				
	<u>Excavation not exceeding 2m deep</u>				
35	Reducing levels and depositing excavated material in prescribed stock piles on site.	m3	14		
	<u>Extra over all excavations for loading, carting and dumping surplus excavated material (no allowance made for increase in bulk):</u>				
36	Off site to a dumping site to be found by the Contractor.	m3	14		
	<u>Filling supplied by the contractor under channels</u>				
37	G7 Base course material compacted to 98% Mod AASHTO density	m3	10		
38	Over site of Selected Subgrade G5 material in accordance with SABS 1 200 DM in layers not exceeding 150mm thick and compacted to 95% Mod AASHTO density.	m3	12		
	Carried to Collection				
	Section 4				
	Bill No. 1				
	External Works				
					R

	<u>Cast in-situ Ref 395 mesh reinforced concrete (25MPa) open stormwater channels having V-shaped waterway formed in top, finished smooth on all exposed surfaces in 3:1 cement plaster trowelled smooth and with angles rounded, cast in suitable lengths not exceeding 2m, including all formwork, moulds, shallow excavation, filling and ramming, laying to falls, bedding and pointing in 3:1 cement mortar. Concrete apron to be tinted, colour to be specified by the Engineer.</u>			
39	700 x 80mm thick V' channel 150mm deep in centre laid in position in ground in 2000mm sections including all formwork, reinforcement, expansion joints, smooth finishing to top of concrete surface etc.	m	60	
40	Extra for 700mm angle	No	6	
41	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	1	
	<u>Sundries:</u>			
42	Create earth berm for stormwater control with in situ material 1,5m wide at base x 500mm high	m	50	
43	Construct shaped earth V-drain 2m wide with grass runners	m	50	
	<u>THE FOLLOWING IN ACCESS DRIVEWAY, ETC.</u>			
	<u>Excavation not exceeding 2m deep</u>			
44	Reducing levels and depositing excavated material in prescribed stock piles on site.	m3	72	
	<u>Extra over all excavations for loading, carting and dumping surplus excavated material (no allowance made for increase in bulk):</u>			
45	Off site to a dumping site to be found by the Contractor.	m3	72	
	<u>Filling supplied by the contractor under driveways</u>			
46	G7 Base course material compacted to 98% Mod AASHTO density	m3	36	
	Carried to Collection			R
	Section 4			
	Bill No. 1			
	External Works			

**MKUNYAZO SENIOR PRIMARY SCHOOL - COMPLETION
THE MVULA TRUST SAFE PROGRAMME**

47	Over site of Selected Subgrade G5 material in accordance with SABS 1 200 DM in layers not exceeding 150mm thick and compacted to 95% Mod AASHTO density.	m3	36		
	<u>Rip and Re - compact insitu material on site compacted to 93% Mod. AASHTO density:</u>				
48	Under floors,etc.	m2	240		
	<u>Prescribed density tests on filling:</u>				
49	In-situ dry density test.	No	20		
	<u>Approved brand of anti-termite soil poison applied by a Registered Pest Control Company and guaranteed against termite infestation for ten years:</u>				
50	Treat filling under paving with 'Chlordane Heptachlor Aldrin' or equal approved.	m2	240		
	<u>150-175mm diameter bollards</u>				
51	2100mm long tanalith treated gum pole planted 800mm deep including excavations, cartaways, concrete base etc.	No	20		
	<u>THE FOLLOWING IN STORMWATER DRAINAGE, APRONS ETC.</u>				
	<u>STORMWATER APRONS</u>				
	<u>Excavation not exceeding 2m deep</u>				
52	Reducing levels and depositing excavated material in prescribed stock piles on site.	m3	20		
	<u>Extra over all excavations for loading, carting and dumping surplus excavated material (no allowance made for increase in bulk):</u>				
53	Off site to a dumping site to be found by the Contractor.	m3	20		
	<u>Filling supplied by the contractor under floors, aprons, etc</u>				
54	G7 Base course material compacted to 98% Mod AASHTO density	m3	5		
	Carried to Collection				
	Section 4				
	Bill No. 1				
	External Works				
					R

**MKUNYAZO SENIOR PRIMARY SCHOOL - COMPLETION
THE MVULA TRUST SAFE PROGRAMME**

55	Over site of Selected Subgrade G5 material in accordance with SABS 1 200 DM in layers not exceeding 150mm thick and compacted to 95% Mod AASHTO density.	m3	5		
	<u>Coarse river sand filling supplied by the contractor:</u>				
56	Under floors etc.	m3	3		
	<u>Compaction of surfaces:</u>				
57	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	40		
	<u>Prescribed density tests on filling:</u>				
58	In-situ dry density test.	No	4		
	<u>Reinforced 25Mpa/19mm Concrete:</u>				
59	Surface beds cast in panels on waterproofing.	m3	5		
60	Edge thickening	m3	1		
	<u>Finishing top surfaces of concrete smooth with a wood float:</u>				
61	Surface beds, slabs, etc to falls and currents.	m2	40		
	<u>Test blocks:</u>				
62	Making and testing of 150x150x150mm concrete strength test cubes (Provisional).	No	3		
	<u>Expansion joints with bitumen impregnated softboard between vertical concrete or brick surfaces:</u>				
63	12mm Joints not exceeding 300mm high.	m	150		
	<u>Two-part grey polysulphide sealing compound including backing cord, bond breaker, primer, etc</u>				
64	10 x 12mm In movement joints in floors or walls including raking out expansion joint filler as necessary.	m	60		
	Carried to Collection				
	Section 4				
	Bill No. 1				
	External Works				
					R

**MKUNYAZO SENIOR PRIMARY SCHOOL - COMPLETION
THE MVULA TRUST SAFE PROGRAMME**

	<u>Fabric reinforcement:</u>				
65	150REF. 395 fabric reinforcement in concrete surface beds, slabs, etc.	m2	40		
	<u>Waterproofing under Surface beds</u>				
66	350 Micron USB orange polyethylene dampproof membrane in accordance with SABS 952 Type C laid on sand bed (elsewhere measured).	m2	40		
	<u>STORMWATER CHANNELS</u>				
	<u>Excavation not exceeding 2m deep</u>				
67	Reducing levels and depositing excavated material in prescribed stock piles on site.	m3	11		
	<u>Extra over all excavations for loading, carting and dumping surplus excavated material (no allowance made for increase in bulk):</u>				
68	Off site to a dumping site to be found by the Contractor.	m3	11		
	<u>Filling supplied by the contractor under channels</u>				
69	G7 Base course material compacted to 98% Mod AASHTO density	m3	6		
70	Over site of Selected Subgrade G5 material in accordance with SABS 1 200 DM in layers not exceeding 150mm thick and compacted to 95% Mod AASHTO density.	m3	6		
	<u>Cast in-situ Ref 395 mesh reinforced concrete (25MPa) open stormwater channels having V-shaped waterway formed in top, finished smooth on all exposed surfaces in 3:1 cement plaster trowelled smooth and with angles rounded, cast in suitable lengths not exceeding 2m, including all formwork, moulds, shallow excavation, filling and ramming, laying to falls, bedding and pointing in 3:1 cement mortar. Concrete apron to be tinted, colour to be specified by the Engineer.</u>				
71	700 x 80mm thick V' channel 150mm deep in centre laid in position in ground not exceeding 2000mm sections including all formwork, reinforcement, expansion joints, smooth finishing to top of concrete surface etc.	m	50		
72	Extra for 700mm angle	No	4		
	Carried to Collection				
	Section 4				
	Bill No. 1				
	External Works				
					R

73	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	6		
	<u>Sundries:</u>				
74	Create earth berm for stormwater control with in situ material 1,5m wide at base x 500mm high	m	90		
75	Construct shaped earth V-drain 2m wide with grass runners	m	90		
	<u>THE FOLLOWING IN STORMWATER DISH DRAIN, ETC.</u>				
	<u>Excavation not exceeding 2m deep</u>				
76	Reducing levels and depositing excavated material in prescribed stock piles on site.	m3	36		
	<u>Extra over all excavations for loading, carting and dumping surplus excavated material (no allowance made for increase in bulk):</u>				
77	Off site to a dumping site to be found by the Contractor.	m3	36		
	<u>Filling supplied by the contractor under floors, aprons, channels etc</u>				
78	G7 Base course material compacted to 98% Mod AASHTO density	m3	18		
79	Over site of Selected Subgrade G5 material in accordance with SABS 1 200 DM in layers not exceeding 150mm thick and compacted to 95% Mod AASHTO density.	m3	18		
	<u>Coarse river sand filling supplied by the contractor:</u>				
80	Under floors etc.	m3	6		
	Carried to Collection			R	
	Section 4				
	Bill No. 1				
	External Works				

	<u>Compaction of surfaces:</u>				
81	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	120		
	<u>Prescribed density tests on filling:</u>				
82	In-situ dry density test.	No	8		
	<u>Reinforced 25Mpa/19mm Concrete:</u>				
83	Surface beds cast in panels on waterproofing.	m3	12		
	<u>Finishing top surfaces of concrete smooth with a wood float:</u>				
84	Surface beds, slabs, etc to falls and currents.	m2	120		
	<u>Test blocks:</u>				
85	Making and testing of 150x150x150mm concrete strength test cubes (Provisional).	No	10		
	<u>Expansion joints with bitumen impregnated softboard between vertical concrete or brick surfaces:</u>				
86	12mm Joints not exceeding 300mm high.	m	120		
	<u>Two-part grey polysulphide sealing compound including backing cord, bond breaker, primer, etc</u>				
87	10 x 12mm In movement joints in floors or walls including raking out expansion joint filler as necessary.	m	120		
	<u>Fabric reinforcement:</u>				
88	REF. 617 fabric reinforcement in concrete surface beds, slabs, etc.	m2	120		
	<u>THE FOLLOWING IN SOAKAWAY</u>				
	<u>Site Clearance, Etc</u>				
89	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc	m2	10		
	Carried to Collection				
	Section 4				
	Bill No. 1				
	External Works				
					R

**MKUNYAZO SENIOR PRIMARY SCHOOL - COMPLETION
THE MVULA TRUST SAFE PROGRAMME**

	<u>Excavation in earth not exceeding 2m deep:</u>				
90	Holes	m3	10		
	<u>Extra over all excavations for carting away</u>				
91	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	10		
	<u>Risk of collapse of excavations</u>				
92	Sides of trench and hole excavations exceeding 1,5m deep but not exceeding 3,0m deep	m2	40		
	<u>Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 90% Mod AASHTO density</u>				
93	Backfilling to holes	m3	10		
	<u>Earth filling with stone material supplied by the contractor:</u>				
94	Stone (>53mm).	m2	10		
	<u>Membranes</u>				
95	"BidimGeotextile or equal approved, lined on all sides including the top and bottom faces.	m2	50		
	<u>Keeping excavations free of water</u>				
96	Keeping excavations free of all water other than subterranean water		Item		
	<u>THE FOLLOWING IN RAINWATER TANKS AND STANDS</u>				
	<u>Cleaning of face bricks</u>				
97	Clean surfaces of face bricks	m2	155		
	Carried to Collection				
	Section 4				
	Bill No. 1				
	External Works				
					R

	<u>Brick-on-edge header course copings, sills, etc. of "Rustgold FBS/Qunu Travertine" or equal approved face bricks pointed with recessed joints on all exposed faces, 220mm wide sill set sloping and slightly projecting:</u>				
98	230mm wide header course to top of one brick wall bedded and jointed in cement mortar and pointed on top and both sides as described.	m	24		
	<u>Plastic water tanks etc:</u>				
99	Supply 15mm brass bibtap with handle suitable for locking and 4 No. galvanised stay wires 2.5m each long connected to tank, with and including 4 No. eye bolts cast into concrete.	No	5		
100	Hole top of tank for 100mm pipe.	No	5		
	<u>THE FOLLOWING IN SECURITY FENCING, ETC</u>				
	<u>Straining wires, fencing and razor wire:</u>				
101	Allow for tightening existing wire fence including straining wires, fill under fencing with G7 materials, close holes and leave in good order	m	120		
	<u>Posts for 1 800mm high security fence:</u>				
102	150mm Ditto as gate post 1 800mm long, fitted with two 50mm diameter galvanised steel stay set raking and with top end flattened and bolted through post, with post and stay both embedded in mass concrete (15 MPa) bases as last.	No	4		
103	12mm Diameter galvanised mild steel straining eye bolt with hook, threaded portion and two nuts and washers.	No	18		
	<u>Gates:</u>				
104	Two leafed vehicular swing gate. Size 5500mm x 1800mm high.	No	2		
	<u>PADLOCKS</u>				
105	Supply 50 mm "Viro" Padlocks and Keys (or equal approved)	No	2		
	Carried to Collection				
	Section 4				
	Bill No. 1				
	External Works				
					R

Item No		Quantity	Rate	Amount
	<u>SECTION 5</u>			
	<u>BILL No. 1</u>			
	<u>PROVISIONAL SUMS</u>			
	<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>The following budgetary allowances are for work to be executed at rates in the bills of quantities or to be agreed by the Principal agent:</u>			
1	Provide the sum of R32 500.00 for the employment of a Community Liaison Officer to be employed by the Main Contractor and be paid an allowance of R6 500.00 a month for construction duration.	Item		32 500.00
2	Add: Mark-up		%	
3	Provide the sum of R150 000.00 (One hundred and fifty thousand rands) for the payment of subcontractors, schools services, labourers and the amount to be deducted or to be paid in part if not required.	Item		150 000.00
4	Add: Mark-up		%	
	Carried to Final Summary			
	Section 5			
	Bill No. 1			
	Provisional Sums		R	

**MKUNYAZO SENIOR PRIMARY SCHOOL - COMPLETION
THE MVULA TRUST SAFE PROGRAMME**

Section No	<u>FINAL SUMMARY</u>	Page No	Amount
1	PRELIMINARIES	30	
2	DEMOLITIONS AND ALTERATIONS (PROVISIONAL)	35	
3	BUILDING WORKS	62	
4	EXTERNAL WORKS (PROVISIONAL)	76	
5	PROVISIONAL SUMS	77	
	SUB-TOTAL		R
	Provide 5% (FIVE PERCENT) on Sub-total (A) as contingency to be deducted in whole or in part if not required		R
	SUB TOTAL (B)		R
	Add Value Added Tax at the rate of 15%		R
	Carried to Form of Offer and Acceptance		R