ltem No		Quantity	Rate	Amount
	SECTION NO. 1			
	<u>BILL NO. 1</u>			
	PRELIMINARIES			
	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.			
	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.			
	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.			
	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.			
	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.			
	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.			
	Carried Forward		R	
	Section No. 1 Bill No. 1 General Preliminaries		ĸ	

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	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.			
	SECTION A: PRINCIPAL BUILDING AGREEMENT			
	DEFINITIONS			
	Definitions and interpretation (Clause 1).			
1	F: V: T:	ltem		
	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'.			
	Carried Forward		R	
	Section No. 1 Bill No. 1 General Preliminaries			

	Brought Forward		R	
3	F: V: T:	Item		
	Design responsibility (Clause 4).			
4	F: V: T:	Item		
	Employer's agents (Clause 5).			
5	F: V: T:	ltem		
	Site representative (Clause 6).			
6	F: V: T:	Item		
	Compliance with regulations (Clause 7).			
7	F: V: T:	Item		
	Works risk (Clause 8)			
8	F: V: T:	ltem		
	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:	ltem		
	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:	ltem		
	State Provisions (Clause 13).			
13	F: V: T:	Item		
	<b>Carried Forward</b> Section No. 1 Bill No. 1 General Preliminaries		R	

	Brought Forward		R	
	Security (Clause 14).			
14	F: V: T:	ltem		
	EXECUTION			
	Preparation for and execution of the works (Clause 15).			
15	F: V: T:	ltem		
	Access to the works (Clause 16).			
16	F: V: T:	ltem		
	Contract instructions (Clause 17).			
17	F: V: T:	ltem		
	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:	ltem		
	Assignment (Clause 19).			
19	F: V: T:	ltem		
	Nominated subcontractors (Clause 20).			
20	F: V: T:	ltem		
	Selected subcontractors (Clause 21).			
21	F: V: T:	ltem		
	Employer's Direct contractors (Clause 22).			
22	F: V: T:	ltem		
	<b>Carried Forward</b> Section No. 1 Bill No. 1 General Preliminaries		R	

	Brought Forward		R	
	Contractor's Domestic subcontractors (Clause 23).			
23	F: V: T:	Item		
	COMPLETION			
	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		
	<b>Carried Forward</b> Section No. 1 Bill No. 1 General Preliminaries		R	

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	<b>PAYMENT</b> 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:	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).			
3	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).			
	<b>Carried Forward</b> Section No. 1 Bill No. 1 General Preliminaries		R	

	Brought Forward		R	
36	F: V: T:	ltem	р -	
	Cancellation - Cessation of the works (Clause 39).			
37	F: V: T:	ltem		
	DISPUTE			
	Dispute Settlement (Clause 40)			
38	F: V: T:	ltem		
	SUBSTITUTE PROVISIONS			
	State Clauses (Clause 41)			
39	F: V: T:	ltem		
	CONTRACT VARIABLES			
	The Schedule: Pre-Tender information (Clause 42).			
40	F: V: T:	ltem		
	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: Mgiba Consulting Engineers			
	Telephone: 015 065 0838 Physical address: 8 Jordy Place, Arum Road, Gonubie North, East London, 5257			
	Carried Forward		R	
	Section No. 1			
	Bill No. 1 General Preliminaries			

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

	Brought Forward		R	
	DOCUMENTS (B2)			
	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:	ltem		
	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:	ltem		
	<b>Carried Forward</b> Section No. 1 Bill No. 1 General Preliminaries		R	

	Brought Forward		R	
	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:	ltem		
	Geotechnical investigation (B3.2) A desktop geotechnical report is available upon request.			
49	F: V: T:	ltem		
	Inspection of the Site (B3.3)			
50	F: V: T:	ltem		
	Existing premises occupied (B3.4)			
51	F: V: T:	ltem		
	Previous work - dimensional accuracy (B3.5)			
52	F: V: T:	ltem		
	Previous work - defects (B3.6)			
53	F: V: T:	ltem		
	Services - known (B3.7)			
54	F: V: T:	Item		
	Services - unknown (B3.8)			
55	F: V: T:	Item		
	Protection of trees (B3.9)			
	Carried Forward		R	
	Section No. 1 Bill No. 1 General Preliminaries			

	Brought Forward		R		
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			
	MANAGEMENT OF CONTRACT (B4)				
	Management of the Works (B4.1)				
59	F: V: T:	Item			
	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			
	SAMPLES AND SHOP DRAWINGS (B5)				
	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			
	TEMPORARY WORKS AND PLANT (B6)				
	Deposits and fees (B6.1)				
66	F: V: T:	Item			
	Carried Forward Section No. 1		R		
	Bill No. 1 General Preliminaries				
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	Brought Forward		R	
	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.			
	F: V: T:			
	Advertising (B6.3)			
67	F: V: T:	ltem		
	Plant and equipment (B6.4)			
68	F: V: T:	ltem		
	Main notice board (B6.5) One notice board shall be provided by the Contractor			
69	F: V: T:	ltem		
	Subcontractors notice board (B6.6) (N/A)			
70	F: V: T:	ltem		
	TEMPORARY SERVICES (B7)			
	Location (B7.1)			
71	F: V: T:	ltem		
	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).			
72	F: V: T:	Item		
	Electricity (B7.3)			
73	The contractor shall provide electricity for the works in accordance with:			
	Alternative A (i.e. to be provided for by the Contractor).			
74	F: V: T:	ltem		
	Carried Forward		R	
	Section No. 1			
	Bill No. 1 General Preliminaries			

	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		
	PRIME COST AMOUNTS (B8)			
	Responsibility for prime cost amounts (B8.1)			
77	F: V: T:	ltem		
	ATTENDANCE ON N/S SUB CONTRACTORS (B9)			
	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		
	FINANCIAL ASPECTS (B10)			
	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			

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

	Brought Forward		R	
	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:	ltem		
	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:	ltem		
	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		
	Carried Forward		R	
	Section No. 1 Bill No. 1 General Preliminaries			

	Brought Forward		R	
97	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.			
98	F: V: T:	ltem		
	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.			
99	F: V: T:	ltem		
	<ul> <li>C6. Construction Instructions</li> <li>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: <ul> <li>a) Construction Instruction Book:</li> <li>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.</li> <li>Only instructions issued in such book shall be recognised.</li> <li>b) Daily Record Book:</li> <li>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</li> <li>on a daily basis. Copies of these records shall be for the Architect, Quantity Surveyor and Contractor.</li> </ul> </li> </ul>			
	Carried Forward		R	
	Section No. 1 Bill No. 1 General Preliminaries			

	Brought Forward		R	
100	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.			
101	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.			
102	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.			
103	F: V: T:	Item		
	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.			
104	F: V: T:	Item		
	Carried Forward		R	
	Section No. 1 Bill No. 1			
	General Preliminaries			
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	<b>Brought Forward</b> 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.		R	
105	F: V: T:	Item		
	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.			
106	F: V: T:	Item		
107	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.	Item		
107	F: V: I:	nem		
	<b>Carried Forward</b> Section No. 1 Bill No. 1 General Preliminaries		R	

1	Brought Forward		R	
	C14. Office accommodation			
	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		
	C15. Storage Facilities			
	The Contractor shall provide a Container for storage of materials.			
109	F: V: T:	ltem		
	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	ltem		
112	SUB - TOTAL: VALUE - RELATED ITEMS	Item		
113	SUB - TOTAL: TIME - RELATED ITEMS	ltem		
	Carried Forward to Summary of Section No. 1		R	
	Carried Forward to Summary of Section No. 1 Section No. 1 Bill No. 1		R	
	General Preliminaries			

ltem No		Quantity	Rate	Amount
	SECTION NO. 1			
	<u>BILL NO. 2</u>			
	HEALTH AND SAFETY			
	MODEL PREAMBLES			
	Tenderers are referred to the relevant Clauses in the General Model Preambles for Trades (2017 Edition) before pricing this bill.			
	SUPPLEMENTARY PREAMBLES			
	Supplementary preambles and/or specifications are incorporated in these bills of quantities to satisfy the requirements of this project. Such supplementary preambles and/or specifications shall take precedence over the provisions of the General Preambles.			
	The contractor's prices for all items throughout these bills of quantities shall take account of and include where applicable for all of the obligations, requirements and specifications given in the General Preambles and in any supplementary preambles and/or specifications.			
	Prior to pricing the principal contractor must familiarize him/herself with the Occupational Health and Safety Act No. 85 Of 1993, Construction Regulations 2014, other relevant Regulations and Standards as well as project specific Health & Safety specifications.			
	The items in this Bill do not contain quantities hence the Contractor must insert his own quantities based on his individual requirements to comply with the Health and Safety obligations and demands of the Occupational Health and Safety Act No. 85 of 1993, Construction Regulations 2014, other relevant Regulations and Standards as well as project specific Health & Safety Specifications. The costs included herein must incorporate Community Liaison Officer (CLO).			
	OCCUPATIONAL HEALTH AND SAFETY			
	Carried Forward		R	
	Section No. 1 Bill No. 2 Health and Safety			

	Brought Forward			R	
l	General:				
1	Preparation of Contractor's site specific Health and Safety Plan		Item		
2	Submission of the Health and Safety File		ltem		
3	Principal Contractor's initial obligations in respect of the OHS Act and Construction Regulations.		ltem		
4	Principal Contractor's time related obligations in respect of the OHS Act and Construction Regulations for the entire construction period.		ltem		
5	Provision of full time Health and Safety Officer for the entire construction period.		ltem		
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		
	Provision for Personal Protective Equipment and Protective Clothing:				
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		
	Costs of Medical Certificates and Medical Surveillance:				
15	Initial (baseline) medical examinations for all personnel	No	1		
	Carried Forward Section No. 1 Bill No. 2 Health and Safety			R	

	Brought Forward			R	
16	Exit Examinations for all personnel.	No	1		
	Noise Monitoring:				
17	Establishment of noise zones.	No	2		
18	Audiograms.	No	20		
	C16. Covid-19 Compliance Measures				
19	The Contractor is required to price for Covid 19 compliance and the pricing thereof shall be deemed to include all the mandatory requirements.		Item		
	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				
		•	ı I	1	•

ltem No		Quantity	Rate	Amount	
	<u>BILL NO. 1</u>				
	SUNDRY BUILDERS WORK - ALL TRADES				
	MODEL PREAMBLES				
	Tenderers are referred to the relevant Clauses in the General Model Preambles for Trades (2017 Edition) before pricing this bill.				
	ALTERATIONS				
	REMOVAL OF EXISTING WORK				
	<u>Taking out and removing piping, sanitary fittings,</u> <u>etc including disconnecting piping from fittings</u> <u>and making good floor and wall finishes (making</u> <u>good tiling and paintwork elsewhere)</u>				
1	50mm Waste pipe.	n 10			
2	Remove VIP 200 Pit pedestal and prepare surface to receive new VIP 450 pedestal (VIP 450 pedestal elsewhere)	o 3			
	IRONMONGERY				
	BATHROOM FITTINGS				
	Stainless steel bathroom fittings				
3	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	o 8			
	<u>PLUMBING AND DRAINAGE</u> (PROVISIONAL)				
	SANITARY FITTINGS				
	Carried Forward		R		
	Section No. 2 Bill No. 1 Alterations (Provisional)				

	Brought Forward			R	
	Rust and corrosion resistant, UV-resistant polyethylene pedestals, urinals, basins, etc. Product and colour to Principal Agent's approval:				
4	VIP 450 Pit pedestal complete with integral flap four times plugged to floor with and including 6 x 75mm masonry anchors.	No	3		
	PVC waste or vent pipes and fittings:				
5	50mm Waste pipe	m	20		
	Extra over for:				
6	50mm Bend	No	5		
7	50mm Access bend	No	5		
	Carried to Final Summary			R	-
	Section No. 2 Bill No. 1 Alterations (Provisional)				

BILL NO. 1       EXTERNAL WORKS         MODEL PREAMBLES       Tenderers are referred to the relevant Clauses in the General Model Preambles for Trades (2017 Edition) before pricing this bill.         STORM WATER CHANNELS       Excavation not exceeding 2m deep         1       Reducing levels and depositing excavated material in prescribed stock piles on site       m3         2       Off site to a dumping surplus excavated material (no allowance made for increase in bulk).       m3         2       Off site to a dumping site to be found by the Contractor       m3         3       G7 Base course material compacted to 98% Mod AASHTO density       m3         4       Over site of Selected Subgrade C5 material in accordance with SABS 1200 DM in layers not exceeding 150mm thick and compacted to 98% Mod AASHTO density       m3         5       700 × 80mm thick and compacted to 98% Mod AASHTO density       m3         5       700 × 80mm thick and compacted to 98% Mod AASHTO density       m3         6       Extra for 700mm angle       No         70       Rescing 150m these annotion on all exposed surfaces in 3.1 centering laster         70       R       Extra for 700mm angle	ltem No		Quantity	Rate	Amount
MODEL PREAMBLES         Tenderers are referred to the relevant Clauses in the General Model Preambles for Trades (2017 Edition) before pricing this bill.         STORM WATER CHANNELS         Excavation not exceeding 2m deep         1       Reducing levels and depositing excavated material in prescribed stock piles on site m3         10       Reducing levels and depositing excavated material in m3         11       prescribed stock piles on site         12       Off site to a dumping site to be found by the Contractor       m3       10         Etiling supplied by the contractor under channels       3       3         3       G7 Base course material compacted to 98% Mod AASHTO density       m3       2         4       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       1         5       700 x 80mm thick and compacted to 95% Mod AASHTO density       m3       1         6       Extra for 700mm angle       No       4         Carried Forward         6       Extra for 700mm angle       No       4		<u>BILL NO. 1</u>			
Tenderers are referred to the relevant Clauses in the General Model Preambles for Trades (2017 Edition) before pricing this bill.         STORM WATER CHANNELS         Excavation not exceeding 2m deep         1       Reducing levels and depositing excavated material in prescribed stock piles on site         mining surplus excavated material (no allowance made for increase in bulk).         2       Off site to a dumping site to be found by the Contractor         3       G7 Base course material compacted to 98% Mod AASHTO density         4       Over site of Selected Subgrade G5 material in accordance with SABS 1 200 DM in layers not exceeding 150m thick and compacted to 95% Mod AASHTO density         5       700 x 80mm thick and compacted to 95% Mod AASHTO density         6       Extra for 700mm angle         70       Extra for 700mm angle         8       Graver channels having V-shaped waterway formed in tog. finished smooth on all exposed surfaces in 3.1 coment plaster         70       Rolom thick V channel 150mm deep in centre laid in position in ground in 2000m sections including all form work, reinforcement, expansion joints, smooth fmining to top of concrete surface etc.       m         70       Restor No. 3       Bill No. 1       R		EXTERNAL WORKS			
General Model Preambles for Trades (2017 Edition)         before pricing this bill.         STORN WATER CHANNELS         Excavation not exceeding 2m deep         1       Reducing levels and depositing excavated material in prescribed stock piles on site         main for increase in bulk).         2       Off site to a dumping surplus excavated material (no allowance made for increase in bulk).         2       Off site to a dumping site to be found by the Contractor       m3         3       G7 Base course material compacted to 98% Mod AASHTO density       m3         4       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       1         5       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       70         6       Extra for 700mm angle       No       4		MODEL PREAMBLES			
Excavation not exceeding 2m deep       network         1       Reducing levels and depositing excavated material in prescribed stock piles on site       m3       10         Extra over all excavations for loading, carting and dumping surplue excavated material (no allowance made for increase in bulk):       m3       10         2       Off site to a dumping site to be found by the Contractor       m3       10         Filling supplied by the contractor under channels       3       3       2         3       G7 Base course material compacted to 98% Mod AASHTO density       m3       2         4       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       1         5       TOD x 80mm thick V channel fabring V-shaped waterway formed in top, finished smooth on all exposed surfaces in 3:1 cement plaster.       70       6         5       TOD x 80mm taker Annels having V-shaped waterway formed in top, finished smooth on all exposed surfaces in 3:1 cement plaster.       70       70         6       Extra for 700mm angle       No       4       70         Carried Forward       R		General Model Preambles for Trades (2017 Edition)			
1       Reducing levels and depositing excavated material in prescribed stock piles on site       m3       10         2       Diff site or a dumping surplus excavated material (no allowance made for increase in bulk).       10         2       Off site to a dumping site to be found by the Contractor       m3       10         2       Off site to a dumping site to be found by the Contractor       m3       10         2       Off site to a dumping site to be found by the Contractor       m3       10         2       Off site to a dumping site to be found by the Contractor       m3       10         2       Off site to a dumping site to be found by the Contractor       m3       10         2       Off site to a dumping site to be found by the Contractor       m3       10         2       Off site to a dumping site to be found by the Contractor       m3       10         2       Off site to a dumping site to be found by the Contractor       m3       10         3       G7 Base course material compacted to 98% Mod AASHTO density       m3       2         4       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       1         5       700 x 80mm thick V' channel 150mm deep in centre laid in position in ground in 2000mm sections including all form work, reinforcem		STORM WATER CHANNELS			
prescribed stock piles on site       m3       10         Extra over all excavations for loading, carting and dumping surplus excavated material (no allowance made for increase in bulk);       10         2       Off site to a dumping site to be found by the Contractor       m3       10         Eilling supplied by the contractor under channels       10         3       G7 Base course material compacted to 98% Mod AASHTO density       m3       2         4       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       1         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       70         5       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       70         6       Extra for 700mm angle       No       4		Excavation not exceeding 2m deep			
dumping surplus excavated material (no allowance made for increase in bulk):       10         2       Off site to a dumping site to be found by the Contractor       m3       10         Filling supplied by the contractor under channels       10       10         3       G7 Base course material compacted to 98% Mod AASHTO density       m3       2         4       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       1         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       70       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       70         6       Extra for 700mm angle       No       4	1		3 10		
Filling supplied by the contractor under channels         3       G7 Base course material compacted to 98% Mod         AASHTO density       m3       2         4       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       m3       1         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       m3       1         5       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       70         6       Extra for 700mm angle       No       4         Carried Forward       R         Section No. 3       Bill No. 1       1		dumping surplus excavated material (no allowance			
3       G7 Base course material compacted to 98% Mod AASHTO density       m3       2         4       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 	2	Off site to a dumping site to be found by the Contractor matrix	3 10		
AASHTO density       m3       2         4       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       1         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       m3       1         5       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       70         6       Extra for 700mm angle       No       4         Carried Forward         8       Bill No. 1       1		Filling supplied by the contractor under channels			
accordance with SABS 1 200 DM in layers not         exceeding 150mm thick and compacted to 95% Mod         AASHTO density       m3         1         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         5       700 x 80mm thick V' channel 150mm deep in centre laid         form work, reinforcement, expansion joints, smooth         finishing to top of concrete surface etc.       m         6       Extra for 700mm angle         No       4         R         Section No. 3       Bill No. 1	3		3 2		
open storm water channels having V-shaped waterway formed in top, finished smooth on all exposed surfaces in 3:1 cement plaster	4	accordance with SABS 1 200 DM in layers not exceeding 150mm thick and compacted to 95% Mod	3 1		
in position in ground in 2000mm sections including all form work, reinforcement, expansion joints, smooth finishing to top of concrete surface etc. m 70 6 Extra for 700mm angle No 4 Carried Forward R Section No. 3 Bill No. 1		open storm water channels having V-shaped waterway formed in top, finished smooth on all exposed surfaces			
Carried Forward R Section No. 3 Bill No. 1	5	in position in ground in 2000mm sections including all form work, reinforcement, expansion joints, smooth	n 70		
Section No. 3 Bill No. 1	6	Extra for 700mm angle No	4		
Section No. 3 Bill No. 1					
				R	

	Brought Forward			R	
7	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	4		
8	7m x 3m Reno mattresses to ends of storm water channels	No	3		
	THE FOLLOWING IN DISABLED ACCESS				
	ACCESS RAMPS				
	Excavation not exceeding 2m deep				
9	Reducing levels and depositing excavated material in prescribed stock piles on site.	m3	2		
	Extra over bulk excavations in earth for breaking up and removing				
10	Brickwork	m2	8		
11	Unreinforced concrete	m3	1		
	Extra over all excavations for loading, carting and dumping surplus excavated material (no allowance made for increase in bulk):				
12	Off site to a dumping site to be found by the contractor	m3	1		
	Filling supplied by the contractor under floors, aprons, etc				
13	G7 Base course material compacted to 98% Mod AASHTO density	m3	1		
14	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	1		
	Coarse river sand filling supplied by the contractor				
15	Under floors etc.	m3	1		
	Carried Forward Section No. 3 Bill No. 1 External Works			R	
		I	I	II	

	Brought Forward		1	R	
	Compaction of surfaces:				
16	Compaction of ground surface under floors etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 90% Mod AASHTO density	m2	8		
	Prescribed density tests on filling:				
17	In-situ dry density test	No	1		
	Reinforced 25Mpa/19mm Concrete				
18	Ramps, Landings, etc.	m3	1		
	Finishing top surfaces of concrete smooth with a wood float				
19	Surface beds, slabs, etc to falls and currents.	m2	8		
	Test blocks:				
20	Making and testing of 150x150x150mm concrete strength test cubes	No	1		
	Expansion joints with bitumen impregnated soft board between vertical concrete or brick surfaces:				
21	12mm Joints not exceeding 300mm high	m	8		
	<u>Two-part grey polysulphide sealing compound including</u> backing cord, bond breaker, primer, etc				
22	10 x 12mm In movement joints in floors or walls including raking out expansion joint filler as necessary	m	8		
	Fabric reinforcement				
23	REF. 395 fabric reinforcement in concrete surface beds, slabs, etc.	m2	8		
	STORM WATER APRONS				
	Excavation not exceeding 2m deep				
24	Reducing levels and depositing excavated material in prescribed stock piles on site.	m3	3		
	Carried Forward			R	
	Bill No. 1 External Works				

	Brought Forward			R	
	Extra over bulk excavations in earth for breaking up and removing				
25	Unreinforced concrete	m3	2		
	Extra over all excavations for loading, carting and dumping surplus excavated material (no allowance made for increase in bulk):				
26	Off site to a dumping site to be found by the contractor	m3	2		
	Filling supplied by the contractor under floors, aprons, etc				
27	G7 Base course material compacted to 98% Mod AASHTO density	m3	2		
28	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	1		
	Coarse river sand filling supplied by the contractor				
29	Under floors etc.	m3	1		
	Compaction of surfaces:				
30	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		
	Prescribed density tests on filling:				
31	In-situ dry density test	No	2		
	Reinforced 25Mpa/19mm Concrete				
32	Ramps, Landings, etc.	m3	3		
	<u>Finishing top surfaces of concrete smooth with a wood</u>				
33	Surface beds, slabs, etc to falls and currents.	m2	40		
	Carried Forward Section No. 3 Bill No. 1 External Works			R	

	Brought Forward			R	
	Test blocks:				
34	Making and testing of 150x150x150mm concrete strength test cubes	No	3		
	Expansion joints with bitumen impregnated soft board between vertical concrete or brick surfaces:				
35	12mm Joints not exceeding 300mm high	m	40		
	<u>Two-part grey polysulphide sealing compound including</u> backing cord, bond breaker, primer, etc				
36	10 x 12mm In movement joints in floors or walls including raking out expansion joint filler as necessary	m	40		
	Fabric reinforcement				
37	REF. 395 fabric reinforcement in concrete surface beds, slabs, etc.	m2	40		
	THE FOLLOWING IN ONE BRICK WALL (GARDEN WALL)				
	Excavation in earth not exceeding 2m deep:				
38	Trenches	m3	10		
	Extra over all excavations for carting away:				
39	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the Contractor.	m3	10		
	Risk of collapse of excavations:				
40	Sides of trench and hole excavations not exceeding 1,5m deep	m2	30		
	Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 93% MOD AASHTO density:				
41	Backfilling to trenches, holes, etc.	m3	15		
	Earth filling (G7 material) supplied by the contractor in layers not exceeding 150mm thick and compacted to 98% Mod AASHTO density:				
42	Under footings	m3	5		
	Carried Forward Section No. 3 Bill No. 1 External Works			R	
			I	I	

	Brought Forward			R	
	Compaction of surfaces				
43	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		
	25 Mpa/19mm Concrete				
44	Strip footings	m3	4		
	Test blocks:				
45	Making and testing of 150x150x150mm concrete strength test cubes (Provisional)	No	2		
	Reinforcement (Provisional)				
46	High tensile steel reinforcement bars to structural concrete work	t	0.09		
	BRICKWORK IN FOUNDATIONS				
	Brickwork of NFX bricks (14 MPa nominal compressive strength) in Class I mortar (Cement to be 42.5N all purpose cement):				
47	One brick walls	m2	38		
	BRICKWORK IN SUPERSTRUCTURE				
	<u>Brickwork of NFP bricks (14 MPa nominal compressive</u> strength) in Class II mortar (Cement to be 42.5N all purpose cement):				
48	One brick walls	m2	35		
	Brickwork reinforcement				
49	230mm Wide reinforcement built in horizontally	m	38		
50	Ditto but in foundations	m	22		
	FACE BRICK				
	Carried Forward Section No. 3 Bill No. 1 External Works			R	

	Brought Forward			R	
	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):				
51	One brickwall faced on both sides	m2	40		
	Brick-on-edge header course copings, sills, etc, equal approved face bricks pointed with recessed joints on all exposed faces, 220mm wide sill set sloping and slightly projecting:				
52	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	40		
	Bollards				
53	200mm Top x 265mm base stellenbosch bollards, grey, 1.2m high and 900mm above ground to be installed in 15mpa screed at 1500mm centre to centre	No	45		
	SOAK AWAY				
	Site Clearance etc.				
54	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc	m2	16		
	Excavation in earth not exceeding 2m deep				
55	Holes	m3	1		
	Extra over all excavations for carting away				
56	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	1		
	Risk of collapse of excavations				
57	Sides of trench and hole excavations	m2	16		
	Carried Forward			R	
	Section No. 3 Bill No. 1 External Works				
		I	I	Ш	I

	Brought Forward	ı		R	
	Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 90% Mod AASHTO density				
58	Backfilling to holes	m3	1		
	Earth filling with stone material supplied by the contractor				
59	Stone (>53mm)	m2	8		
	Membranes				
60	BidimGeotextile or equal approved, lined on all sides including the top and bottom faces	m2	16		
	Keeping excavations free of water				
61	Keeping excavations free of all water other than subterranean water		Item		
	Carried Forward to Summary of Section No. 3			R	
	Section No. 3 Bill No. 1 External Works				

ltem No		Quantity	Rate	Amount
	BILL NO. 2			
	GRADE R FENCING			
	MODEL PREAMBLES			
	Tenderers are referred to the relevant Clauses in the General Model Preambles for Trades (2017 Edition) before pricing this bill.			
	Site clearance			
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.	2 200		
	Straining wires, fencing and razor wire:			
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).	n 200		
3	3 Strands of galvanised barbed wire tied to standards, posts and eye bolts	m 150		
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).	n 80		
	Posts for 1 800mm high security fence:			
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.	o 12	2	
	Carried Forward		R	
	Section No. 3 Bill No. 2 Grade R Fence			

	Brought Forward	I	I	R	I
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	6		
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	6		
8	12mm Diameter galvanised mild steel straining eye bolt with hook, threaded portion and two nuts and washers	No	6		
9	Form 12mm diameter hole through fence post.	No	6		
	Gates:				
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	Νο	1		
11	PADLOCKS Supply 50 mm "Viro" Padlocks and Keys (or equal approved )	No	1		
	Carried Forward to Summary of Section No. 3 Section No. 3 Bill No. 2 Grade R Fence			R	

		SECTION SUMMARY - External Works (Provisional)			
Bill No			Page No		Amount
	1	External Works	34		
	2	Grade R Fence	36		
		Carried to Final Summary		R	
		Section No. 3			
			I		

ltem No		Quantity	Rate	Amount
	<u>BILL NO. 1</u>			
	PROVISIONAL SUMS			
	MODEL PREAMBLES			
	Tenderers are referred to the relevant Clauses in the General Model Preambles for Trades (2017 Edition) before pricing this bill.			
	SUPPLEMENTARY PREAMBLES			
	Tenderers are advised that no claim in respect of loss of profit or Preliminary charges based on the omission of these amounts will be considered and the said amounts will be omitted strictly without any financial compensation payable to the Contractor.			
	Provisional sums and Budgetary allowances contained herein may be omitted or reduced at the Employer's discretion and the Contractor shall not be entitled to claim for any loss by way of reductions or omission of any discount, or percentage relating to Provisional amounts and Budgetary sums or any loss of profit related thereto.			
	BUDGETARY ALLOWANCES			
	COMMUNITY LIAISON OFFICER			
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		
	TEMPORARY TOILETS			
3	Provide the sum of R100 000.00 (One Hundred and Twenty Thousand Rand) for the hire, maintenance and servicing of temporary ablutions for educators and learners during the entire constructions period	Item		100,000.00
4	Allow for profit and attendance	ltem		
	Carried Forward Section No. 4 Bill No. 1 Provisional Sums		R	

	Brought Forward		R	
	SERVICING OF PLUMBING LEAKAGES		P	
5	Provide the sum of R45 000.00 (Forty Five Thousand Rand) for the servicing of plumbing items	Item		45,000.00
6	Allow for profit and attendance	ltem		
	GENERAL LANDSCAPING			
7	Provide the sum of R50 000.00 (Fifty Thousand Rand) for general landscaping along walkways	ltem		50,000.00
8	Allow for profit and general attendance	Item		
	Carried to Final Summary		R	
	Section No. 4 Bill No. 1 Provisional Sums			
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	FINAL SUMMARY				
Section No		Page No		Amount	
1	Preliminaries	24			
2	Builders Work	26			
3	External Works (Provisional)	37			
4	Provisional Sums	39			
	Sub Total 1		R		
	Add: (VAT 15%)		R		
	Carried to Cluster Summary		R		