BILLS OF QUANTITIES

FOR

DYANTYI PS - SANITATION APPROPRIATE FOR EDUCATION (SAFE) PROGRAMME - AMATHOLE DISTRICT

FOR

The Mvula Trust

ARCHITECTS

Stermount Projects 9 Mary Crescent Amalinda

EAST LONDON

5247

Tel. Fax:

e Mail: linda@stermount.co.za

Principal Agent

Qapela Quantity Surveyors (Pty) Ltd

Tel. +27 21 838 2795 Fax: +27 86 762 3114 e Mail: zet@qapelaqs.co.za

QUANTITY SURVEYORS

Qapela Quantity Surveyors (Pty) Ltd Quantity Surveyors 16 Jarvis Road Berea East London 5241

Tel. +27 43 721 1470 Fax: +27 86 762 3114 e Mail: admin@qapelaqs.co.za

INDEX TO BILLS OF QUANTITIES

Bill No	Page No
SECTION NO. 1: PRELIMINARIES	1
1 PRELIMINARIES	2
Preliminaries	2
Section A: Principal Building Agreement	3
Section B: Preliminaries	9
Section C: Specific Preliminaries	14
Bill No.1	18
2 HEALTH AND SAFETY	20
Section 1	20
Bill No. 2	20
Health And Safety	20
Model Preambles	20
Supplementary Preambles	20
Occupational Health And Safety	20
SECTION SUMMARY	23
SECTION NO. 2: DEMOLITIONS (PROVISIONAL).	24
1 DEMOLITIONS (PROVISIONAL)	25
Demolitions	25
SECTION SUMMARY	29
SECTION NO. 3: BUILDING WORKS	30
1 EARTHWORKS	31
Excavation Other Than Bulk	32
Earth Filling, Etc	33
Soil Poisoning	33

2	CONCRETE, FORMWORK AND REINFORCEMENT	36
	Unreinforced Concrete Cast Against Excavated Surfaces	37
	Reinforced Concrete Cast Against Excavated Surfaces	37
	Reinforced Concrete	37
	Test Blocks	37
	Finishing Top Surface Of Concrete	37
	Rough Formwork (Degree Of Accuracy iii)	38
	Reinforcement (Provisional)	38
3	MASONRY	40
	Brickwork In Foundations (Provisional)	41
	Brickwork And Blockwork Sundries	41
	Face Brick	41
4	WATERPROOFING	43
	Dampproofing Of Walls And Floors.	44
5	IRONMONGERY	46
6	PLASTERING	49
7	PLUMBING AND DRAINAGE	50
	Lockable Manhole Covers	51
	SECTION SUMMARY	53
	SECTION NO. 4: EXTENAL WORKS (PROVISIONAL).	54
1	EXTERNAL WORKS	55
	The Following In Platforms, Etc.	55
	The Following In Walkways	55
	The Following In One Brick Wall (Garden Wall)	57
	The Following In Disabled Access.	58
	The Following In Retaining Walls, Etc.	61

The Following in Stormwater Drainage, Aprons Etc	63
The Following In Stormwater Dish Drain, Etc.	66
The Following In Soakaway	67
The Following In Rainwater Tanks And Stands	68
The Following In Security Fencing, Etc	70
SECTION SUMMARY	73
SECTION NO. 5: PROVISIONAL SUMS	74
Section 5	75
Bill No. 1	75
Provisional Sums	75
Pre-fabricated Structures	75
Electrical Installation	77
Temporary Ablutions	77
Community Liaison Officer	77
SECTION SUMMARY	78

SECTION NO. 1 PRELIMINARIES

Amount SECTION NO. 1 <u>PRELIMINARIES</u> BILL NO. 1 **PRELIMINARIES 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 abovementioned 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. 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. 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 R Section No. 1 Bill No. 1 Preliminaries

			Amount	
	SECTION A: PRINCIPAL BUILDING AGREEMENT			
	<u>DEFINITIONS</u>			
	Definitions and interpretation (Clause 1).			
1	F: V: T:	Item		
	F:			
	Offer, acceptance and performance (Clause 2).			
2	F: V: T:	Item		
	F: V: T:			
	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		
	F: V: T:			
	Design responsibility (Clause 4).			
4	F: V: T:	Item		
	F: V: T: T: Employer's agents (Clause 5).			
5	F: V: T:	Item		
	F: V: T: T: Site representative (Clause 6).			
6	F: V: T:	Item		
	F: V: T: Compliance with regulations (Clause 7).			
7	F: V: T:	Item		
	F: V: T:			
8	F: V: T:	Item		
	F: V: T:			
	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'.			
	Carried to Collection	R		
	Section No. 1	``		
	Bill No. 1			
	Preliminaries			
	3			

			Amount	
9	F: V: T:	Item		
	F:			
10	F: V: T:	Item		
	F:			
11	F: V: T: T:	Item		
	Effecting insurances (Clause 12).			
12	F: V: T:	Item		
	F: V: T: T: State Provisions (Clause 13).			
13	F: V: T:	Item		
	F: V: T: Security (Clause 14).			
14	F: V: T: T:	Item		
	EXECUTION			
	Preparation for and execution of the works (Clause 15).			
15	F: V: T:	Item		
	F: V: T:			
	Access to the works (Clause 16).			
16	F: V: T:	Item		
	F: V: T:			
17	Contract instructions (Clause 17). F:	Itom		
	F: V: T: 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		
	F: V: T:			
	Assignment (Clause 19).			
19	F: V: T: T:	Item		
	Carried to Collection	R		
	Section No. 1			
	Bill No. 1			
	Preliminaries 4			

			Amount	
	Nominated subcontractors (Clause 20).			
20	F: V: T:	Itom		
20		Item		
	F: V: T: Selected subcontractors (Clause 21).			
21	F: V: T:	Item		
	F: V: T: T: Employer's Direct contractors (Clause 22).			
22	F: V: T:	Item		
22	F: V: T:	item		
	Contractor's Domestic subcontractors (Clause 23).			
23	F: V: T:	Item		
	F: V: T:			
	COMPLETION			
	Practical completion (Clause 24).			
24	F: V: T:	Item		
	F: V: T:			
	Works completion (Clause 25).			
25	F: V: T:	Item		
	F:			
	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 accummulates in order to attend to a comprehensive list of defects			
26	F: V: T:	Item		
	F: V: T:			
	Sectional completion (Clause 28).			
27	F: V: T:	Item		
	F:			
	Revision of date for practical completion (Clause 29).			
28	F: V: T: T:	Item		
	7			
	Carried to Collection	R		
	Section No. 1	"		
	Bill No. 1			
	Preliminaries			
	5			

			Amount	
	Penalty for non-completion (Clause 30).			
29	F: V: T:	Item		
	F:			
	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.			
	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		
	F: V: T:			
	Recovery of expense and loss (Clause 33).			
31	F: V: T:	Item		
	F: V: T: Final account and final payment (Clause 34).			
32	F: V: T:	Item		
	F: V: T:			
	Payment to other parties (Clause 35).			
33	F: V: T:	Item		
	F: V: T:			
	CANCELLATION			
	Cancellation by Employer - Contractor's default (Clause 36).			
34	F: V: T:	Item		
	F: V: T:			
	Cancellation by Employer - Loss and damage (Clause 37).			
35	F: V: T:	Item		
	F: V: T:			
	Cancellation by Contractor - Employer's default (Clause 38).			
36	F: V: T:	Item		
	F: V: T:			
	Cancellation - Cessation of the works (Clause 39).			
		_		
	Carried to Collection	R		
	Section No. 1 Bill No. 1			
	Preliminaries			
	6			

			Amount	
37	F: V: T:	Item		
	F: V: T:			
	DISPUTE Dispute Sattlement (Clause 40)			
	Dispute Settlement (Clause 40)			
38	F: V: T:	Item		
	F: V: T:			
	State Clauses (Clause 41)			
39	F: V: T:	Item		
55	F:	item		
	CONTRACT VARIABLES			
	The Schedule: Pre-Tender information (Clause 42).			
40	F: V: T:	Item		
	F: V: T:			
	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			
	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.			
	Carried to Collection	R		
	Section No. 1	`		
	Bill No. 1			
	Preliminaries			
	7			

	2022_011-TMT/D
	Amount
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 R2000 per calender day, to a maximum of 10% of Contract Value.	
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 plus 10%	
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% insured amount.	
DOCUMENTS (Clause 42.4)	
Clause 42.4.1	
Carried to Collection	R
Section No. 1	N
Bill No. 1	
Preliminaries	
•	

			Amount	
	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			
	SECTION B: PRELIMINARIES			
	DEFINITIONS AND INTERPRETATION (B1)			
	Definitions and Interpretation (B1)			
11	F: V: T:	Item		
	F: V: T:			
	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.			
12	F: V: T:	Item		
	F: V: T:			
	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.			
13	F: V: T:	Item		
	F:			
	Coming to Collection	5		
	Section No. 1	R		
	Bill No. 1			
	Preliminaries			
	9			

			2022_011-1M1/	DIA
			Amount	
44	F: V: T:	Item		
	F: V: T:			
45	F: V: T:	Item		
	F: V: T:			
46	F: V: T:	Item		
	F: V: T:			
	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		
	F: V: T: T: 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		
	F: V: T:			
	A desktop geotechnical report is available upon request.			
49	F: V: T:	Item		
	F: V: T:			
	Inspection of the Site (B3.3)			
50	F: V: T:	Item		
	F: V: T: Existing premises occupied (B3.4)			
51	F: V: T:	Item		
	F: V: T:			
	Previous work - dimensional accuracy (B3.5)			
52	F: V: T: T:	Item		
	Previous work - defects (B3.6)			
	Carried to Collection	R		
	Section No. 1			
	Bill No. 1			
	Preliminaries			
	10			

				Amount	
53	F: V: T:		Item		
	F: V: T:				
54	F: V: T:		Item		
	F: V: T:				
55	F: V: T:		Item		
	F: V: T: Protection of trees (B3.9)				
56	F: V: T:		Item		
	F: V: T: Articles of value (B3.10)				
57	F: V: T:		Item		
	F: V: T: Inspection of adjoining properties (B3.11)				
58	F: V: T:		Item		
	F: V: T: MANAGEMENT OF CONTRACT (B4)				
	Management of the Works (B4.1)				
59	F: V: T:		Item		
	F: V: T:				
60	F: V: T:		Item		
	F: V: T:				
61	F: V: T:		Item		
	F: V: T: T:				
62	F: V: T:		Item		
	F: V: T:				
	SAMPLES AND SHOP DRAWINGS (B5)				
63	Samples of materials (B5.1) F:		Item		
03	F: V: T: T:		item		
	Workmanship samples (B5.2)				
64	F: V: T:		Item		
	F: V: T:				
		Carried to Collection	R		
	Section No. 1				
	Bill No. 1				
	Preliminaries	11			
				n I	

			Amount	
65	F: V: T:	Item		
	F: V: T:			
	TEMPORARY WORKS AND PLANT (B6)			
	Deposits and fees (B6.1)			
66	F: V: T:	Item		
	F: V: T:			
	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		
	F: V: T:			
	Advertising (B6.3)			
68	F: V: T:	Item		
	F:			
	Plant and equipment (B6.4)			
69	F: V: T:	Item		
	F: V: T:			
	One notice board shall be provided by the Contractor			
70	F: V: T:	Item		
10	F: V: T:	item		
	Subcontractors notice board (B6.6) (N/A)			
71	F: V: T:	Item		
	F: V: T:			
	TEMPORARY SERVICES (B7)			
	Location (B7.1)			
72	F: V: T:	Item		
	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).			
73	F: V: T:	Item		
	F: V: T:			
	The contractor shall provide electricity for the works in accordance with:			
	Alternative A (i.e. to be provided for by the Contractor).			
	The state of the second			
	Carried to Collection	R		
	Section No. 1			
	Bill No. 1 Preliminaries			
	Preliminaries 12			
- 1	1-	I	ı	

			Amount	
74	F: V: T:	Item		
'-	F:	item		
	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		
	F: V: T:	1.0111		
	Ablution facilities (B7.5)			
	The contractor shall provide toilet facilties on site for the works in accordance with:			
	Alternative A (i.e. to be provided for by the Contractor).			
76	F: V: T:	Item		
	F: V: T:			
	PRIME COST AMOUNTS (B8)			
	Responsibility for prime cost amounts (B8.1)			
77	F: V: T:	Item		
	F: V: T:			
	ATTENDANCE ON N/S SUBCONTRACTORS (B9)			
	General Attendance (B9.1)			
78	F: V: T:	Item		
	F: V: T:			
	Special Attendance (B9.2)			
79	F: V: T:	Item		
	F: V: T:			
	Commissioning - fuel, water and power (B9.3)			
80	F: V: T:	Item		
	F: V: T:			
	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		
	F: V: T:			
	Payment of Preliminaries (B10.2)			
82	F: V: T:	Item		
	F: V: T:			
	Adjustment of Freinfillianes (D10.5)			
	Carried to Collection	R		
	Section No. 1			
	Bill No. 1			
	Preliminaries			
	13		1	

			Amount	
83	F: V: T:	Item		
	F:			
	Payment certificate cash flow (B10.4)			
84	F: V: T:	Itom		
04		Item		
	F:			
85	F: V: T:	Item		
	F: V: T:			
	GENERAL (B11)			
	Protection of the Works (B11.1)			
86	F: V: T:	Item		
00	F: V: T:	item		
	Protection/isolation of existing/sectionally occupied works (B11.2)			
87	F: V: T:	Item		
	F:			
88	F: V: T:	Item		
	F: V: T:			
	Notice before covering work (B11.4)			
89	F: V: T:	Item		
	F: V: T:			
	Disturbance (B11.5)			
90	F: V: T:	Item		
	F: V: T:			
	Works cleaning and clearing (B11.6)			
91	F: V: T:	Item		
•	F: V: T:			
	Vermin (B11.7)			
92	F: V: T:	Item		
92	F: V: T:	item		
	Overhand work (B11.8)			
	, ,			
93	F: V: T:	Item		
	F: V: T:			
	SECTION C: SPECIFIC PRELIMINARIES			
	Section C: Specific Preliminaries:			
	C1. Proprietary branded products			
	Carried to Callection			
	Carried to Collection	R		
	Section No. 1			
	Bill No. 1			
	Preliminaries 14			
	14		II .	

			Amount	
	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		
	F: V: T: 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		
	F: V: T:			
	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		
	F: V: T:			
	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.			
97	F: V: T: T:	Item		
	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.			
98	F: V: T:	Item		
	F: V: T:			
	Carried to Collection	R		
	Section No. 1			
	Bill No. 1			
	Preliminaries			
	15			

			2022_011-TMT/	DYA
			Amount	
	C6. Construction Instructions			
	Contract instructions issued on site are to be recorded in triplicate in a site instruction book which is to be maintained on site by the Contractor. The Contractor shall supply and have available at the site of the works at all times, the following site books:			
	a) Construction Instruction Book:			
	Receiving and recording instructions in a suitable A4 size triplicate book kept on site. Instructions issued shall be recorded by the Architect or other Employer's Agents to whom the Architect has delegated authority to in the book.			
	Only instructions issued in such book shall be recognised.			
	b) Daily Record Book:			
	The Contractor shall record in triplicate in a suitable A4 size triplicate book kept at the site, a daily record of work done, all site visits by the Principal Agent and other professional personnel and all events affecting the Works, such as progress, issue of plans, breakdown of machinery, etc. The labour, plant and material on site shall be recorded as well as work performed. Entries must be made by the Contractor and must be signed and forwarded to the Principal Agent for his counter-signature on a daily basis. Copies of these records shall be for the Architect, Quantity Surveyor and Contractor.			
99	F: V: T:	Item		
	F: V: T:			
	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		
	F: V: T:			
	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		
	F: V: T:			
	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		
	F: V: T:			
	C10. Method Statement			
	Carried to Collection	R		
	Section No. 1	``		
	Bill No. 1			
	Preliminaries			
	16			

			A	
			Amount	
	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.			
103	F: V: T:	Item		
	F: V: T:			
	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.			
104	F: V: T:	Item		
	F: V: T:			
	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.			
105	F: V: T:	Item		
	F: V: T:			
	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.			
106	F: V: T:	Item		
	F: V: T:			
	Carried to Collection	R		
	Section No. 1			
	Bill No. 1			
	Preliminaries			
	17			

			Amount	
	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]			
107	F: V: T:	Item		
	The Contractor shall provide a Container for storage of materials.			
108	F: V: T:	Item		
	F: V: T: 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 therefrom.			
109	F: V: T:	Item		
	F: V: T:			
	SUB - TOTAL: VALUE - RELATED ITEMS			
	SUB - TOTAL: TIME - RELATED ITEMS			
	BILL No.1			
	Carried to Collection	R		
	Section No. 1	K		
	Bill No. 1			
	Preliminaries			
	18			

			2022_011-TMT/	DYA
			Amount	
BILL NO. 4				
BILL NO. 1				
PRELIMINARIES COLLECTION				
COLLECTION		D No		
		Page No		
	Brought Forward from Page	2		
		3		
		4		
		5		
		6		
		7		
		8		
		9		
		10		
		11		
		12		
		13		
		14		
		15		
		16		
		17		
		18		
	Carried To Section Summary	R		
Section No. 1	camed to occion outlinary	K		
Bill No. 1				
Preliminaries	19			
I	10		I	I

SECTION NO.1 PRELIMINARIES BILL NO.2 HEALTH AND SAFETY SECTION 1 BILL No.2 HEALTH AND SAFETY MODEL PREAMBLES The tenders is referred to the "Model Preambles for Trades 2008" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates. SUPPLEMENTARY PREAMBLES Supplementary preambles and/or specifications are incorporated in these bills of quantities to satisfy the requirements of this project. Such supplementary preambles and/or specifications shall take precedence over the provisions of the General Preambles. The contractor's prices for all either shroughout 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 Acts. 85 of 1993, Construction Regulations 2014, otherrelevant Regulations and Standards as well as projects 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 Act No. 85 of 1993, Construction Regulations 2014, other relevant Regulations and Standards as well as project specific Health & Safety Specifications. The costs included herein must incorporate Community Liaison Officer (CLO). OCCUPATIONAL HEALTH AND SAFETY General: Preparation of Contractor's site specific Health and Safety Act No. 85 of 1993, Construction Regulations and Standards as well as project specific Health & Safety Specifications.		ı	,		2022_011-TMT/	DYA
PRELIMINARIES BILL NO. 2 HEALTH AND SAFETY SECTION 1 BILL NO. 2 HEALTH AND SAFETY MODEL PREAMBLES The tenderer is referred to the "Model Preambles for Trades 2005" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates. SUPPLEMENTARY PREAMBLES Supplementary preambles and/or specifications are incorporated in these bills of quantities to satisfy the requirements of this project. Such supplementary preambles and/or specifications shall take precedence over the provisions of the General Preambles. The contractor's prices for all items throughout these bills of quantities shall take account of and include where applicable for all of the obligations, requirements and specifications given in the General Preambles and in any supplementary preambles and/or specifications. Prior to pricing the principal contractor must familiarizehim/berself with the Occupational Health and Safety ActNo. 85 of 1993, Construction Regulations 2014, other relevant Regulations and Standards as well as projectspecific Health & Safety specifications. The items in this Bill do not contain quantities benece the Contractor must insert his own quantities based on his individual requirements to comply with the Health and Safety ActNo. 85 of 1993, Construction Regulations 2014, other relevant Regulations and Standards as well as project specific Health & Safety Specifications. The costs included herein must incorporate Community Liaison Officer (CLO). OCCUPATIONAL HEALTH AND SAFETY General: Preparation of Contractor's site specific Health and Safety Plan. Item Carried to Collection Realith And Safety Health And Safety		Unit	Quantity	Rate	Amount	
BILL No. 2 HEALTH AND SAFETY MODEL PREAMBLES The tenderer is referred to the "Model Preambles for Trades 2008" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates. 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 familiarizehim/herself with the Occupational Health and Safety ActNo. 85 of 1993, Construction Regulations 2014, otherrelevant Regulations and Standards as well as projectspecific Health & Safety specifications. The items in this Bill do not contain quantities hence the Contractor must linserth is own quantities based on his individual requirements to comply with the Health and Safety ActNo. 85 of 1993, Construction Regulations and Safety Act No. 85 of 1993, Construction Regulations and Safety Act No. 85 of 1993, Construction Regulations 2014, other relevant Regulations and Standards as well as project specific Health & Safety Specifications. The costs included herein must incorporate Community Liaison Officer (CLO). OCCUPATIONAL HEALTH AND SAFETY General: Preparation of Contractor's site specific Health and Safety Plan. Residual Regulations and Safety Act No. 2 Health And Safety	PRELIMINARIES BILL NO. 2					
HEALTH AND SAFETY MODEL PREAMBLES The tenderer is referred to the "Model Preambles for Trades 2008" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates. 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 familiarizehim/herself with the Occupational Health and Safety ActNo. 85 of 1993, Construction Regulations 2014, otherrelevant Regulations and Standards as well as projectspecific Health & Safety specifications. The items in this Bill do not contain quantities based on his individual requirements to comply with the Health and Safety Act No. 85 of 1993, Construction Regulations 2014, other relevant Regulations and Standards as well as project specific Health & Safety Specifications. The costs included herein must incorporate Community Liaison Officer (CLO). OCCUPATIONAL HEALTH AND SAFETY General: Carried to Collection Section No. 1 Bill No. 2 Health And Safety	SECTION 1					
MODEL PREAMBLES The tenderer is referred to the "Model Preambles for Trades 2008" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates. 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 familiarizabilim/herself with the Occupational Health and Safety ActNo. 85 of 1993, Construction Regulations 2014, otherrelevant Regulations and Standards as well as projectspecific Health & Safety specifications. The items in this Bill do not contain quantities hence the Contractor must insert his own quantities bence the Contractor must fine the Occupational Health and Safety Act No. 85 of 1993, Construction Regulations and Safety Obligations and demands of the Occupational Health and Safety Act No. 85 of 1993, Construction Regulations 2014, other relevant Regulations and Standards as well as project specific Health & Safety Specifications. The costs included herein must incorporate Community Liaison Officer (CLO). OCCUPATIONAL HEALTH AND SAFETY General: Preparation of Contractor's site specific Health and Safety Plan.	BILL No. 2					
The tenderer is referred to the "Model Preambles for Trades 2008" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates. SUPPLEMENTARY PREAMBLES Supplementary preambles and/or specifications are incorporated in these bills of quantities to satisfy the requirements of this project. Such supplementary preambles and/or specifications shall take precedence over the provisions of the General Preambles. The contractor's prices for all items throughout these bills of quantities shall take account of and include where applicable for all of the obligations, requirements and specifications given in the General Preambles and in any supplementary preambles and/or specifications. Prior to pricing the principal contractor must familiarizehim/herself with the Occupational Health and Safety Activo. 85 Of 1993, Construction Regulations 2014, otherrelevant Regulations and Standards as well as projectspecific 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 Activo 2014, other relevant Regulations and Standards as well as project specific Health & Safety Specifications. The costs included herein must incorporate Community Liaison Officer (CLO). OCCUPATIONAL HEALTH AND SAFETY General: 1 Preparation of Contractor's site specific Health and Safety Plan. Carried to Collection R Carried to Collection Section No. 1 Bill No. 2 Health And Safety	HEALTH AND SAFETY					
Trades 2008" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates. SUPPLEMENTARY PREAMBLES Supplementary preambles and/or specifications are incorporated in these bills of quantities to satisfy the requirements of this project. Such supplementary preambles and/or specifications shall take precedence over the provisions of the General Preambles. The contractor's prices for all items throughout these bills of quantities shall take account of and include where applicable for all of the obligations, requirements and specifications given in the General Preambles and in any supplementary preambles and/or specifications. Prior to pricing the principal contractor must familiarizehim/herself with the Occupational Health and Safety ActNo. 85 of 1993, Construction Regulations 2014, otherrelevant Regulations and Standards as well as projectspecific 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 obligations and demands of the Occupational Health and Safety obligations and demands of the Occupational Health and Safety obligations and sare project specific Health & Safety Specifications. The costs included herein must incorporate Community Liaison Officer (CLO). OCCUPATIONAL HEALTH AND SAFETY General: Preparation of Contractor's site specific Health and Safety Plan. Item Carried to Collection Section No. 1 Bill No. 2 Health And Safety Health And Safety	MODEL 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 familiarizehim/herself with the Occupational Health and Safety ActNo. 85 Of 1993, Construction Regulations 2014, otherrelevant Regulations and Standards as well as projectspecific Health & Safety specifications. The items in this Bill do not contain quantities hence the Contractor must insert his own quantities based on his individual requirements to comply with the Health and Safety obligations and demands of the Occupational Health and Safety Act No. 85 of 1993, Construction Regulations 2014, other relevant Regulations and Standards as well as project specific Health & Safety Specifications. The costs included herein must incorporate Community Liaison Officer (CLO). OCCUPATIONAL HEALTH AND SAFETY General: Preparation of Contractor's site specific Health and Safety Plan. Item Carried to Collection R Carried to Collection	Trades 2008" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all					
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 familiarizehim/herself with the Occupational Health and Safety ActNo. 85 of 1993, Construction Regulations 2014, otherrelevant Regulations and Standards as well as projectspecific Health & Safety specifications. The items in this Bill do not contain quantities hence the Contractor must insert his own quantities hence the Contractor must insert his own quantities hence the Contractor must insert how one quantities hence the Contractor must insert how one quantities hence the Contractor must insert how one project specifications. The items in this Bill do not contain quantities hence the Contractor must insert his own quantities hence the Contractor as well as project specific Health and Safety beligations 2014, other relevant Regulations and demands of the Occupational Health and Safety beligations 2014, other relevant Regulations and Safety Section No. 85 of 1993, Construction Regulations 2014, other relevant Regulations and Safety Section No. 1 Bill No. 2 Health And Safety	SUPPLEMENTARY PREAMBLES					
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 familiarizehim/herself with the Occupational Health and Safety ActNo. 85 of 1993, Construction Regulations 2014, otherrelevant Regulations and Standards as well as projectspecific Health & Safety specifications. The items in this Bill do not contain quantities based on his individual requirements to comply with the Health and Safety obligations and demands of the Occupational Health and Safety obligations and demands of the Occupational Health and Safety Act No. 85 of 1993, Construction Regulations 2014, other relevant Regulations and Standards as well as project specific Health & Safety Specifications. The costs included herein must incorporate Community Liaison Officer (CLO). OCCUPATIONAL HEALTH AND SAFETY General: Preparation of Contractor's site specific Health and Safety Plan. Item Carried to Collection Section No. 1 Bill No. 2 Health And Safety	incorporated in these bills of quantities to satisfy the requirements of this project. Such supplementary preambles and/or specifications shall take precedence					
familiarizehim/herself with the Occupational Health and Safety ActNo. 85 Of 1993, Construction Regulations 2014, otherrelevant Regulations and Standards as well as projectspecific Health & Safety specifications. The items in this Bill do not contain quantities hence the Contractor must insert his own quantities based on his individual requirements to comply with the Health and Safety obligations and demands of the Occupational Health and Safety Act No. 85 of 1993, Construction Regulations 2014, other relevant Regulations and Standards as well as project specific Health & Safety Specifications. The costs included herein must incorporate Community Liaison Officer (CLO). OCCUPATIONAL HEALTH AND SAFETY General: Preparation of Contractor's site specific Health and Safety Plan. Item Carried to Collection R Section No. 1 Bill No. 2 Health And Safety	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					
Contractor must insert his own quantities based on his individual requirements to comply with the Health and Safety obligations and demands of the Occupational Health and Safety Act No. 85 of 1993, Construction Regulations 2014, other relevant Regulations and Standards as well as project specific Health & Safety Specifications. The costs included herein must incorporate Community Liaison Officer (CLO). OCCUPATIONAL HEALTH AND SAFETY General: 1 Preparation of Contractor's site specific Health and Safety Plan. Carried to Collection Section No. 1 Bill No. 2 Health And Safety	familiarizehim/herself with the Occupational Health and Safety ActNo. 85 Of 1993, Construction Regulations 2014, otherrelevant Regulations and Standards as well					
Liaison Officer (CLO). OCCUPATIONAL HEALTH AND SAFETY General: Preparation of Contractor's site specific Health and Safety Plan. Item Carried to Collection Section No. 1 Bill No. 2 Health And Safety	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					
General: Preparation of Contractor's site specific Health and Safety Plan. Item Carried to Collection Section No. 1 Bill No. 2 Health And Safety						
Preparation of Contractor's site specific Health and Safety Plan. Item Carried to Collection Section No. 1 Bill No. 2 Health And Safety	OCCUPATIONAL HEALTH AND SAFETY					
Safety Plan. Carried to Collection Section No. 1 Bill No. 2 Health And Safety	General:					
Section No. 1 Bill No. 2 Health And Safety		Item				
Section No. 1 Bill No. 2 Health And Safety	Carried to Collection			P		
	Section No. 1 Bill No. 2			K		
	20					

					2022_011-TMT/	DYA
		Unit	Quantity	Rate	Amount	
2	Submission of the Health and Safety File.	Item				
3	Principal Contractor's initial obligations in respect of the OHS Act and Construction Regulations.	Item				
4	Principal Contractor's time related obligations in respectof the OHS Act and Construction Regulations for theentire construction period.	Item				
5	Provision of full time Health and Safety Officer for the entire construction period.	Item				
6	Induction training of personnel.	Item				
7	Provision of first aid boxes.	Item				
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 min300mm deep in ground at max 3m spacing including excavation, backfilling, etc	Item				
9	Extra over mesh fence for pedestrian gate size 1.8 x1,8m high.	Item				
	Provision for Personal Protective Equipment and Protective Clothing:					
10	Reflective vests.	Item				
11	Hard hats.	Item				
12	Protective foot wear.	Item				
13	Ear Plugs.	Item				
14	Dust Masks.	Item				
	Cost of Medical Certificates and Medical Surveilance:					
15	Initial (baseline) medical examinations.	Item				
16	Exit Examinations.	Item				
	Noise Monitoring:					
17	Establishment of noise zones.	Item				
18	Audiograms.	Item				
	C16. Covid-19 Compliance Measures:					
19	The Contractor is required to price for Covid 19 compliance and the pricing thereof shall be deemed toinclude all the mandatory requirements.	Item				
	Carried to Collection			R		
	Section No. 1					
	Bill No. 2					
	Health And Safety 21					
	21		1			

BILL NO. 2 HEALTH AND SAFETY COLLECTION		Page No	Amount	
	Brought Forward from Page	20 21		
Section No. 1 Bill No. 2 Health And Safety	Carried To Section Summary	R		
	22			

			Amount	
	SECTION NO. 1 PRELIMINARIES			
	SECTION SUMMARY			
Bill No.		Page		
1	PRELIMINARIES	19		
2	HEALTH AND SAFETY	22		
	Carried to Final Summary	R		
	Section No. 1 SECTION SUMMARY			
	SECTION SUMMART			
	23			

SECTION NO. 2 DEMOLITIONS (PROVISIONAL)

				2022_011-TMT/DYA
	Unit	Quantity	Rate	Amount
SECTION NO. 2 DEMOLITIONS (PROVISIONAL) BILL NO. 1 DEMOLITIONS (PROVISIONAL)				
DEMOLITIONS				
MODEL PREAMBLES				
The tenderer is referred to the "General Preambles for Trades 2017" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all				
relevant rates.				
SUPPLEMENTARY PREAMBLES				
View site				
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				
Explosives				
No explosives whatsoever may be used for demolition purposes unless otherwise stated.				
General				
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.				
Unless otherwise described all materials are to become the property of the contractor and are to be removed from the site.				
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.				
Carried to Collection			R	
Section No. 2				
Bill No. 1				
Demolitions (provisional)				
25				

					2022_011-TMT/	DYA
		Unit	Quantity	Rate	Amount	
	The following shall apply in respect of asbestos removal					
	The removal of asbestos shall be carries 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 ciminally					
	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					
	DEMOLISHING AND REMOVING					
1	Demolish VIP precast structure comprising of precast walls and roof, approximate size 1.5 x 1.5m 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	11			
2	Cart away rubble from demolitions and dispose off site.	Item				
3	Backfill existing hole with G7 fill material in max. 150mm layers and compact to 95% MOD AASHTO density.	m³	136			
4	Allow for compaction tests by an approved laboratory to determine density of filling material.	No	24			
5	Provision of a certificate of safe disposal for asbestos.	Item				
	Carried to Collection			R		
	Section No. 2					
	Bill No. 1					
	Demolitions (provisional) 26					
	20				11	1

		ı			2022_011-TMT/	DYA
		Unit	Quantity	Rate	Amount	
	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	4			
7	Issue of Certificate of Waste Disposal.	Item				
	Carried to Collection					
	Section No. 2			R	<u> </u>	
	Bill No. 1					
	Demolitions (provisional)					
	27					

			Amount	
BILL NO. 1 DEMOLITIONS (PROVISI COLLECTION	ONAL)	Page No		
	Brought Forward from Page	25 26 27		
Section No. 2 Bill No. 1 Demolitions (provisional)	Carried To Section Summary 28	R		

			Amount	
	SECTION NO. 2			
	DEMOLITIONS (PROVISIONAL)			
	SECTION SUMMARY			
Bill No.		Page		
1	DEMOLITIONS (PROVISIONAL)	28		
		_		
	Carried to Final Summary Section No. 2	R		
	SECTION SUMMARY			
	29			

SECTION NO. 3 BUILDING WORKS

				2022_011-TMT/DYA
	Unit	Quantity	Rate	Amount
SECTION NO. 3				
BUILDING WORKS				
BILL NO. 1 EARTHWORKS				
EARTHWORKS				
Quantity Split:				
Note that the total quantity per each item is split into the various buildings and appears below each description as follows:				
0 - DWG 40 - Learners & Staff Ablutions				
A1 - DWG 36 - Grade R Ablution				
MODEL PREAMBLES				
The tenderer is referred to the "General Preambles for Trades 2017" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all				
relevant rates.				
SUPPLEMENTARY PREAMBLES				
Proprietary products in descriptions:				
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.				
Nature of material to be excavated:				
The material to be excavated is assumed to be predominantly of a composition that will allow excavation in "earth" as specified, but including a percentage of excavation in "soft rock" and "hard rock".				
Carting away of excavated material:				
Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations, or alternatively, from stock piles situated on the building site.				
Dewatering of excavations:				
The Contractor shall allow for removing seepage and other water from subterranean sources from the excavations by pumping, baling or otherwise. Accurate records of all such dewatering shall be kept to determine the total volume of water so removed and a clear distinction shall be made between water from subterranean sources and other water				
Carried to Collection			R	
Section No. 3				
Bill No. 1				
Earthworks				
31				

					2022_011-TMT/	DYA
		Unit	Quantity	Rate	Amount	
	Density testing on filling:					
	Rates for filling, etc. shall include for all density and soil type testing to prove that the specified compaction is achieved. When additional testing is done on instruction of the Principal Agent and these tests are successful, they will be paid for additionally.					
	Imported fill:					
	Filling and bedding to trenches etc. to be in compliance with SABS 1200 DB and LB respectively					
	Classification of excavated material					
	Hard rock' shall mean granite, quartzitic sandstone or other rock of similar hardness, the removal of which requires drilling, wedging and splitiing or the use of explosives. Soft rock" shall mean hard material, the removal of which warrants the use of pneumatic tools and includes hard shale, ferricite, compact ouklip and material of similar hardness. "Earth" shall mean all ground other than that classified as "hard rock" or "soft rock" and shall include made-up ground and any loose stones or pieces of concrete not exceeding 0,03m3 in volume.					
	EXCAVATION OTHER THAN BULK					
	Excavation in earth not exceeding 2m deep:					
1	Trenches.	m³	8			
2	Holes.	m³	92			
3	Reduced levels under floors.	m^3	32			
	Extra over trench and hole excavations in earth for excavation in:					
4	Soft rock.	m^3	13			
5	Hard rock.	m³	7			
	Extra over all excavations for carting away:					
6	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor.	m³	132			
	Risk of collapse of excavations:					
7	Sides of trench and hole excavations not exceeding 1,5m deep.	m²	29			
8	Ditto, but from ground level to exceeding 1,5m.	m²	89			
	Carried to Collection Section No. 3			R		
	Bill No. 1					
	Earthworks 32					
	32				II	

		Unit	Quantity	Rate	Amount	1/
	Keeping excavations free of water:					
9	Keeping excavations free from mud and all water including subterranean sources.	Item				
	EARTH FILLING, ETC.					
	Earth filling obtained from the excavations and / or prescribed stock piles on site (minimum G7 tested material) compacted to 93% Mod. AASHTO density:					
10	Backfilling to trenches, holes, etc.	m³	2			
11	Under floors, steps, pavings, trenches, etc.	m³	8			
	Imported G5 filling, selected and supplied by the Contractor, including depositing in layers not exceeding 150mm thick and compacting to 98% modified AASHTO dry density to trenches, holes, etc.					
12	Under floors, steps, pavings, trenches, etc.	m³	20			
	Imported G7 filling, selected and supplied by the Contractor, including depositing in layers not exceeding 150mm thick and compacting to 98% modified AASHTO dry density to holes, trenches etc.					
13	Under floors, steps, pavings, trenches, etc.	m³	14			
14	Backfilling to holes, trenches, etc.	m³	6			
	Coarse river sand filling supplied by the contractor:					
15	Under floors etc.	m³	5			
	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 93% Mod AASHTO density.	m²	94			
	Prescribed density tests on filling:					
17	Allow for compaction tests by an approved laboratory to determine density of filling material.	No	16			
	SOIL POISONING					
	Approved brand of anti-termite soil poison applied by a Registered Pest Control company and guaranteed against termite infestation for ten years:					
18	Under floors, etc., including forming and poisoning shallow furrows against foundation walls, etc., filling in furrows and ramming.	m²	58			
	Carried to Collection			R		
	Section No. 3			K		_
	Bill No. 1					
	Earthworks					
- 1	33			I		

					2022_011-TMT/	DYA
		Unit	Quantity	Rate	Amount	
,_		_				
19	To bottoms and sides of trenches, holes, etc.	m²	125			
	Carried to Collection			R		
	Section No. 3					
	Bill No. 1					
	Earthworks					
	34					

	1	2022_011-TMT/	DYA
BILL NO. 1 EARTHWORKS		Amount	
COLLECTION	Page No		
Brought Fo	orward from Page 31		
	32		
	33		
	34		
Carried To Section Summary Section No. 3	y	R	
Bill No. 1			
Earthworks 35			

				2022_011-TMT/	DYA
	Unit	Quantity	Rate	Amount	
SECTION NO. 3					
BUILDING WORKS					
BILL NO. 2					
CONCRETE, FORMWORK AND REINFORCEMENT					
Quantity Split:					
Note that the total quantity per each item is split into the various buildings and appears below each description as follows:					
A0 - DWG 40 - Learners & Staff Ablutions					
A1 - DWG 36 - Grade R Ablution					
MODEL PREAMBLES					
The tenderer is referred to the "General Preambles for Trades 2017" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all					
relevant rates.					
SUPPLEMENTARY PREAMBLES					
Proprietary products in descriptions:					
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.					
Cost of tests:					
The costs of making, storing and testing of concrete test cubes as required under clause 7 'Tests' of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the Architect. The testing shall be undertaken by an independent firm or institution nominated by the Contractor to the approval of the Architect. (Test cubes are measured separately).					
Formwork:					
Descriptions of formwork shall be deemed to include use and waste only (except where described as left in or permanent), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use.					
The vertical strutting shall be carried down to such construction as is sufficiently strong to afford the required support without damage and shall remain in position until the newly constructed work is able to support itself.					
Carried to Collection			R		
Section No. 3			``		
Bill No. 2					
Concrete, Formwork And Reinforcement					
36					

					2022_011-TMT/	DYA
		Unit	Quantity	Rate	Amount	
	Formwork to soffits of solid slabs etc., shall be deemed to be to slabs not exceeding 250mm thick unless otherwise described.					
	Formwork to sides of bases, pile caps, ground beams, etc., will only be measured where it is prescribed by the Engineer for design reasons. Formwork necessitated by irregularity or collapse of excavated faces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavations, provision for which is made in Earthworks.					
	UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES					
	15Mpa/19mm Concrete					
1	Surface blinding under footings and bases.	m³	3			
	REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES					
	30MPa/20mm concrete:					
2	Raft slab on waterproofing.	m³	18			
3	Ground base slabs.	m³	7			
	REINFORCED CONCRETE					
	30MPa/20mm concrete:					
4	Suspended Slabs.	m³	7			
5	Cavity walls.	m³	10			
	TEST BLOCKS					
	Test blocks:					
6	Making and testing of 150x150x150mm concrete strength test cubes (Provisional.	No	12			
	FINISHING TOP SURFACE OF CONCRETE					
	Finishing top surfaces of concrete smooth with a wood float:					
7	Surface beds, suspended slabs, base slabs, etc.	m²	94			
	Finishing top surfaces of concrete smooth with a steel float:					
8	Surface beds, suspended slabs, etc.	m²	16			
	Charmfers at corners					
9	19 x 19mm triangular fillet at corners formed of unreinforced concrete steel trowelled.	m	33			
	Carried to Collection			R		
	Section No. 3					
	Bill No. 2					
	Concrete, Formwork And Reinforcement					
	37					

					2022_011-TMT/	DYA
		Unit	Quantity	Rate	Amount	
	ROUGH FORMWORK (DEGREE OF ACCURACY III)					
	Rough Formwork to Sides:					
10		m	35			
	Permanent Formwork:					
11	Soffit of slab over pit.	m²	31			
	Extra on permanent formwork for boxing or blocking in or boxing out to form:					
12	835mm diameter circular opening through 370mm thick					
	slab.	No	2			
13	450mm Diameter opening through 255mm thick slab.	No	2			
14	200mm Diameter opening through 255mm thick slab.	No	3			
15	150mm Diameter opening through 255mm thick slab.	No	2			
16	110mm Diameter opening through 255mm thick slab.	No	7			
	SMOOTH FORMWORK (DEGREE OF ACCURACY I)					
	Smooth Formwork to Sides:					
17	Edges, risers, ends and reveals not exceeding 300mm high or wide.	m	17			
	REINFORCEMENT (PROVISIONAL)					
18	High tensile steel reinforcement bars to structural concrete work.	Tonnes	1.68			
	Fabric reinforcement:					
19						
	walls, base slabs etc.	m²	231			
	Carried to Collection					
	Section No. 3			R		
	Bill No. 2					
	Concrete, Formwork And Reinforcement					
	38					

		Amount
BILL NO. 2		
CONCRETE, FORMWORK AND REINFORCEMENT COLLECTION		
OCCUPATION OF THE PROPERTY OF	Page No	
Describt Forward force Done	20	
Brought Forward from Page	36 37	
	38	
Carried To Section Summary	R	
Section No. 3 Bill No. 2		
Concrete, Formwork And Reinforcement		

				2022_011-TMT/	DYA
	Unit	Quantity	Rate	Amount	
SECTION NO. 3					
BUILDING WORKS					
BILL NO. 3					
MASONRY					
Quantity Split:					
Note that the total quantity per each item is split into the various buildings and appears below each description as follows:					
A0 - DWG 40 - Learners & Staff Ablutions					
A1 - DWG 36 - Grade R Ablution					
MODEL PREAMBLES					
The tenderer is referred to the "General Preambles for Trades 2017" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates					
All references to SABS shall be deemed to be the relevant SANS specification					
SUPPLEMENTARY PREAMBLES					
BRICKWORK					
Sizes in descriptions					
Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick					
Hollow walls etc					
Descriptions of hollow walls shall be deemed to include leaving every fifth perpend of the bottom course of the external skin open as a weep hole.					
Walls in two skins described as "bagged and sealed" shall be deemed to include having the outer face of the inner skin bagged with 1:6 cement and sand mixture and sealed with two coats "Brixeal" bitumen emulsion waterproofing coating.					
Face bricks					
Bricks shall be ordered timeously to obtain uniformity in size and colour					
Pointing					
Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc					
Carried to Collection			R		
Section No. 3			K		
Bill No. 3					
Masonry					
40					

					2022_011-TMT/	DYA
		Unit	Quantity	Rate	Amount	
	Samples					
	Samples of all masonry building units, except those of walls described as "loadbearing", shall consist of a minimum of 6 units. Samples of building units to be used in walls described as "loadbearing" shall consist of 30 units from every 30 000 units delivered to site					
	Trade names					
	Where trade names are specified it will read "or equal approved"					
	BRICKWORK IN FOUNDATIONS (PROVISIONAL)					
	Brickwork consisting of solid bricks with 10.5 MPa minimum nominal compressive strength in Class I mortar with Coprox masonry waterproofing or equal approved waterproof cement additive. Add 2.5kg Coprox waterproof cement additive for every 50kg of cement used in mortar mix (Cement to be 42.5N all-purpose cement):					
1	345mm thick cavity brick walls made of two leafs of					
	110mm wall with 135mm concrete fill (concrete elsewhere measured).	m²	73			
	,	m	/3			
	BRICKWORK AND BLOCKWORK SUNDRIES					
	Galvanized brickwork reinforcement					
2	230mm Wide reinforcement in foundations (Provisional).	m	251			
	FACE BRICK Rustgold FBS/Qunu Travertine clay face brick or equal approved, size 222 x 106 x 73mm, bedded and jointed in Class II mortar and pointed with recessed vertical and recessed horizontal joints, suitable for exposure zones 1-2 (Cement to be 42.5N all-purpose cement):					
3	Extra over for face brick in foundations (Provisional).	m²	6			
	Carried to Collection Section No. 3			R		
	Bill No. 3					
	Masonry					
	41					

		2022_011-TMT/	DYA
		Amount	
BILL NO. 3			
BILL NO. 3			
MASONRY			
COLLECTION			
	Page No		
Brought Forward from Page	40		
	41		
Carried To Section Summany	_		
Carried To Section Summary Section No. 3	R		
Bill No. 3			
Masonry			
42			

				2022_011-TMT/	/DY
	Unit	Quantity	Rate	Amount	
SECTION NO. 3					
BUILDING WORKS					
BILL NO. 4					
WATERPROOFING					
Quantity Split:					
Note that the total quantity per each item is split into the various buildings and appears below each description as follows:					
A0 - DWG 40 - Learners & Staff Ablutions					
A1 - DWG 36 - Grade R Ablution					
MODEL PREAMBLES					
The tenderer is referred to the "General Preambles for Trades 2017" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates					
SUPPLEMENTARY PREAMBLES					
Proprietary products in descriptions:					
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.					
Waterproofing					
Complete pit sealing/waterproofing from seepage due to underground water ingress as result of high water table, perched water tables etc					
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.					
Carried to Collection			R		
Section No. 3				-	
Bill No. 4					
Waterproofing					
43					

					2022_011-TMT/	DYA
		Unit	Quantity	Rate	Amount	
	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.					
	DAMPPROOFING OF WALLS AND FLOORS					
	One layer of 250 micron 'USB GREEN' waterproof sheeting sealed at laps with 'Gunplas Pressure Sensitive Tape':					
1	Under surface beds, bases, etc.	m²	94			
	WATERPROOFING TO PIT WALLS					
	Waterproofing product to plastered walls, subject to approval by the Principal Agent prior to application.					
2	On plastered wall surfaces including 100mm overlap at	9	70			
	the base slab	m²	73			
	Carried to Collection					
	Section No. 3			R		
	Bill No. 4					
	Waterproofing					
	44					

			2022_011-TMT/	DYA
			Amount	
BILL NO. 4				
WATERPROOFING				
COLLECTION				
		Page No		
	5 445 44 5	40		
	Brought Forward from Page	43		
		44		
	Carried To Section Summary	R		
Section No. 3				
Bill No. 4				
Waterproofing				
. •	45			

					2022_011-TMT/	DYA
		Unit	Quantity	Rate	Amount	
	SECTION NO. 3					
	BUILDING WORKS					
	BILL NO. 5					
	IRONMONGERY					
	Quantity Split:					
	Note that the total quantity per each item is split into the					
	various buildings and appears below each description as					
	follows:					
	A0 - DWG 40 - Learners & Staff Ablutions					
	A1 - DWG 36 - Grade R Ablution					
	MODEL PREAMBLES					
	The tenderer is referred to the "General Preambles for Trades 2017" for supplementary and comprehensive					
	expansion of descriptions, appropriate provision for					
	which shall be deemed to have been included in all relevant rates					
	SUPPLEMENTARY PREAMBLES					
	Keys/Locks					
	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					
	Trade Names					
	Where trade names are specified other ironmongery					
	approved by the Principal Agent may be used					
	Fixing					
	Fixing of ironmongery is deemed to be fixed to timber					
	unless otherwise described					
	SIGN PLATES:					
	All sign plates are to be with engraved blue perspex all in accordance with the standard sign plates for					
	Schools.					
ı	Sign plate plugged and screwed to walls with chromium		_			
	plated dome headed screws.	No	5			
	SUNDRIES					
2	Stainless Steel Hat and coat hook, code DHC - SS-030A	Ma	_			
	or equal approved.	No	2			
\$	38mm Diameter black rubber door stop plugged and screwed to wall.	No	8			
	screwed to waii.	NO	0			
	Carried to Collection			R		
	Section No. 3			,		
	Bill No. 5					
	Ironmongery					
	46					

1

2

3

		ı			2022_011-TMT/	DYA
		Unit	Quantity	Rate	Amount	
	Halcast or equal approved"					
4	Thiefproof toilet roll holder plugged.	No	8			
	Grade 304 stainless steel ware:					
5	32mm outside diameter x 1,6mm thick tubular wall mounted side stainless steel grab rail 1,06m girth with two 45 degree and two 90 degree formed bends and each end fitted with 80mm diameter x 5mm thick flange welded on and four times countersunk holed for and plugged and screwed to wall with stainless steel crews.	No	2			
6	32mm outside diameter x 1,6mm thick tubular wall mounted around cistern back stainless steel grab rail 1,23m girth with two 90 degree formed bends and each end fitted with 80mm diameter x 5mm thick flange welded on and four times countersunk holed for and plugged and screwed to wall with stainless steel crews.	N-				
		No	2			
7	Satin Grey Plastics or equal approved Satin plastic N-SBIN-12-SA SHE Bin size 463 x 140 x 480mm, floor standing loose.	No	4			
				_		_
	Carried to Collection Section No. 3			R		
	Bill No. 5					
	Ironmongery					
	47					

ı		1	2022_011-TMT/	DYA
			Amount	
BILL NO. 5				
IRONMONGERY				
COLLECTION				
		Page No		
	Brought Forward from Page	46		
		47		
	Carried To Section Summary	R		
Section No. 3	,			
Bill No. 5				
Ironmongery				
	48			
I .		1	11	1

,					2022_011-TMT/	DYA
		Unit	Quantity	Rate	Amount	
	SECTION NO. 3					
	BUILDING WORKS					
	BILL NO. 6					
	PLASTERING					
	Quantity Split:					
	Note that the total quantity per each item is split into the					
	various buildings and appears below each description as					
	follows:					
	A0 - DWG 40 - Learners & Staff Ablutions					
	A1 - DWG 36 - Grade R Ablution					
	MODEL PREAMBLES					
	The tenderer is referred to the "General Preambles for Trades 2017" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates					
	SCREEDS					
	Untinted granolithic, on concrete:					
	30mm Thick on floors and landings.	m²	58			
'	_		30			
	INTERNAL PLASTER (PIT WALLS)					
	15mm thick of 1:4 sand cement plaster with Coprox masonry waterproofing or equal approved					
	waterproof cement additive. Add 2.5kg Coprox					
	waterproof cement additive for every 50kg of cement used in plaster mix					
,	On walls.	m²	69			
	Carried To Section Summary			R		
	Section No. 3			•		
	Bill No. 6					
	Plastering					
	49					

2

					2022_011-TMT/	DYA
		Unit	Quantity	Rate	Amount	
	SECTION NO. 3 BUILDING WORKS					
	BILL NO. 7 PLUMBING AND DRAINAGE					
	PLOMBING AND DRAINAGE					
	Quantity Split:					
	Note that the total quantity per each item is split into the various buildings and appears below each description as follows:					
	A0 - DWG 40 - Learners & Staff Ablutions					
	A1 - DWG 36 - Grade R Ablution					
	MODEL PREAMBLES					
	The tenderer is referred to the "General Preambles for Trades 2017" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates.					
	SANITARY PLUMBING					
	PVC waste or vent pipes and fittings:					
1	50mm Waste pipe.	m	55			
2	110mm Vent pipe fixed to wall with proprietary brackets at not exceeding 500mm centres.	m	32			
	uPVC gulleys					
3	200mm Precast concrete gully dish and uPVC lowback assembly complete with 110mm P trap gulley (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	2			
	Extra for:					
4	50mm Bend.	No	24			
5	50mm Access bend.	No	8			
6	Envirosan or equal approved fly screens to top of 110 diameter vent pipe.	No	8			
	WATER SUPPLIES					
	Polycop pipes:					
	Pipes shall be class 10.					
	Carried to Collection					
	Section No. 3			R		
	Bill No. 7					
	Plumbing And Drainage					
	50					
						-

Fixing of pipes Unless specifically otherwise stated, descriptions of pipes shall be deemed to include for fixing to walls etc. casting in, building in or suspending not exceeding 1m below suspension level Polycop pipes chased in walls: Where pipes have been chased in walls, the price for making good of plaster and paint etc shall be deemed to be included in the description of pipe chased in walls. Reducing fittings: Where fittings have reducing ends or branches they are described as 'reducing'. In the case of pipes with diameters not exceeding 60mm only the largest end or branch size is given. Should the Contractor wish to use other fittings and bushes or reducers he may do so on the understanding that no claim in this regard will be entertained. In the case of pipes with diameters exceeding 60mm all sizes are given and no claim for extra bushes, reducers, etc will be entertained. Class 10 Polycop pipes: 7 15mm Pipe. 8 22mm Pipe. m 61 22mm Pipe. Extra over polycop pipes for compression fittings: 9 15mm Fittings. No 43 No 27 LOCKABLE MANHOLE COVERS 600mm diameter lockable circular type M4A product or similar approved manhole SANS 1882 medium duty Dough Moulding compound 4A hinged lid and frame cast into concrete upstand.						2022_011-TMT/	DYA
Unless specifically otherwise stated, descriptions of pipes shall be deemed to include for fixing to walls etc. casting in, building in or suspending not exceeding 1m below suspension level Polycop pipes chased in walls: Where pipes have been chased in walls, the price for making good of plaster and paint etc shall be deemed to be included in the description of pipe chased in walls. Reducing fittings: Where fittings have reducing ends or branches they are described as 'reducing'. In the case of pipes with diameters not exceeding 60mm only the largest end or branch size is given. Should the Contractor wish to use other fittings and bushes or reducers he may do so on the understanding that no claim in this regard will be entertained. In the case of pipes with diameters exceeding 60mm all sizes are given and no claim for extra bushes, reducers, etc will be entertained. Class 10 Polycop pipes: 7 15mm Pipe. m 61 8 22mm Pipe. Extra over polycop pipes for compression fittings: 9 15mm Fittings. No 27 LOCKABLE MANHOLE COVERS 600mm diameter lockable circular type M4A product or similar approved manhole SANS 1882 medium duty Dough Moulding compound 4A hinged lid and frame cast			Unit	Quantity	Rate	Amount	
Unless specifically otherwise stated, descriptions of pipes shall be deemed to include for fixing to walls etc. casting in, building in or suspending not exceeding 1m below suspension level Polycop pipes chased in walls: Where pipes have been chased in walls, the price for making good of plaster and paint etc shall be deemed to be included in the description of pipe chased in walls. Reducing fittings: Where fittings have reducing ends or branches they are described as 'reducing'. In the case of pipes with diameters not exceeding 60mm only the largest end or branch size is given. Should the Contractor wish to use other fittings and bushes or reducers he may do so on the understanding that no claim in this regard will be entertained. In the case of pipes with diameters exceeding 60mm all sizes are given and no claim for extra bushes, reducers, etc will be entertained. Class 10 Polycop pipes: 7 15mm Pipe. m 61 8 22mm Pipe. Extra over polycop pipes for compression fittings: 9 15mm Fittings. No 27 LOCKABLE MANHOLE COVERS 600mm diameter lockable circular type M4A product or similar approved manhole SANS 1882 medium duty Dough Moulding compound 4A hinged lid and frame cast		Fiving of pines					
Where pipes have been chased in walls, the price for making good of plaster and paint etc shall be deemed to be included in the description of pipe chased in walls. Reducing fittings: Where fittings have reducing ends or branches they are described as 'reducing'. In the case of pipes with diameters not exceeding 60mm only the largest end or branch size is given. Should the Contractor wish to use other fittings and bushes or reducers he may do so on the understanding that no claim in this regard will be entertained. In the case of pipes with diameters exceeding 60mm all sizes are given and no claim for extra bushes, reducers, etc will be entertained. Class 10 Polycop pipes: 7 15mm Pipe. m 61 8 22mm Pipe. m 43 Extra over polycop pipes for compression fittings: 9 15mm Fittings. No 43 10 22mm Fittings. No 27 LOCKABLE MANHOLE COVERS 600mm diameter lockable circular type M4A product or similar approved manhole SANS 1882 medium duty Dough Moulding compound 4A hinged lid and frame cast		Unless specifically otherwise stated, descriptions of pipes shall be deemed to include for fixing to walls etc. casting in, building in or suspending not exceeding 1m					
making good of plaster and paint etc shall be deemed to be included in the description of pipe chased in walls. Reducing fittings: Where fittings have reducing ends or branches they are described as 'reducing'. In the case of pipes with diameters not exceeding 60mm only the largest end or branch size is given. Should the Contractor wish to use other fittings and bushes or reducers he may do so on the understanding that no claim in this regard will be entertained. In the case of pipes with diameters exceeding 60mm all sizes are given and no claim for extra bushes, reducers, etc will be entertained. Class 10 Polycop pipes: 7 15mm Pipe. m 61 8 22mm Pipe. m 43 Extra over polycop pipes for compression fittings: 9 15mm Fittings. No 27 LOCKABLE MANHOLE COVERS 11 600mm diameter lockable circular type M4A product or similar approved manhole SANS 1882 medium duty Dough Moulding compound 4A hinged lid and frame cast		Polycop pipes chased in walls:					
Where fittings have reducing ends or branches they are described as 'reducing'. In the case of pipes with diameters not exceeding 60mm only the largest end or branch size is given. Should the Contractor wish to use other fittings and bushes or reducers he may do so on the understanding that no claim in this regard will be entertained. In the case of pipes with diameters exceeding 60mm all sizes are given and no claim for extra bushes, reducers, etc will be entertained. Class 10 Polycop pipes: 7 15mm Pipe. m 61 8 22mm Pipe. m 43 Extra over polycop pipes for compression fittings: 9 15mm Fittings. No 43 10 22mm Fittings. No 27 LOCKABLE MANHOLE COVERS 600mm diameter lockable circular type M4A product or similar approved manhole SANS 1882 medium duty Dough Moulding compound 4A hinged lid and frame cast		making good of plaster and paint etc shall be deemed to					
described as 'reducing'. In the case of pipes with diameters not exceeding 60mm only the largest end or branch size is given. Should the Contractor wish to use other fittings and bushes or reducers he may do so on the understanding that no claim in this regard will be entertained. In the case of pipes with diameters exceeding 60mm all sizes are given and no claim for extra bushes, reducers, etc will be entertained. Class 10 Polycop pipes: m 61 Extra over polycop pipes for compression fittings: 15mm Fittings. No 43 LOCKABLE MANHOLE COVERS 600mm diameter lockable circular type M4A product or similar approved manhole SANS 1882 medium duty Dough Moulding compound 4A hinged lid and frame cast		Reducing fittings:					
7 15mm Pipe. m 61 8 22mm Pipe. m 43 Extra over polycop pipes for compression fittings: 9 15mm Fittings. No 43 10 22mm Fittings. No 27 LOCKABLE MANHOLE COVERS 11 600mm diameter lockable circular type M4A product or similar approved manhole SANS 1882 medium duty Dough Moulding compound 4A hinged lid and frame cast		described as 'reducing'. In the case of pipes with diameters not exceeding 60mm only the largest end or branch size is given. Should the Contractor wish to use other fittings and bushes or reducers he may do so on the understanding that no claim in this regard will be entertained. In the case of pipes with diameters exceeding 60mm all sizes are given and no claim for					
8 22mm Pipe. m 43 Extra over polycop pipes for compression fittings: 9 15mm Fittings. No 43 10 22mm Fittings. No 27 LOCKABLE MANHOLE COVERS 11 600mm diameter lockable circular type M4A product or similar approved manhole SANS 1882 medium duty Dough Moulding compound 4A hinged lid and frame cast		Class 10 Polycop pipes:					
Extra over polycop pipes for compression fittings: 9 15mm Fittings. No 43 10 22mm Fittings. No 27 LOCKABLE MANHOLE COVERS 11 600mm diameter lockable circular type M4A product or similar approved manhole SANS 1882 medium duty Dough Moulding compound 4A hinged lid and frame cast	7	15mm Pipe.	m	61			
9 15mm Fittings. No 43 10 22mm Fittings. No 27 LOCKABLE MANHOLE COVERS 11 600mm diameter lockable circular type M4A product or similar approved manhole SANS 1882 medium duty Dough Moulding compound 4A hinged lid and frame cast	8	22mm Pipe.	m	43			
10 22mm Fittings. No 27 LOCKABLE MANHOLE COVERS 11 600mm diameter lockable circular type M4A product or similar approved manhole SANS 1882 medium duty Dough Moulding compound 4A hinged lid and frame cast		Extra over polycop pipes for compression fittings:					
LOCKABLE MANHOLE COVERS 11 600mm diameter lockable circular type M4A product or similar approved manhole SANS 1882 medium duty Dough Moulding compound 4A hinged lid and frame cast	9	15mm Fittings.	No	43			
600mm diameter lockable circular type M4A product or similar approved manhole SANS 1882 medium duty Dough Moulding compound 4A hinged lid and frame cast	10	22mm Fittings.	No	27			
similar approved manhole SANS 1882 medium duty Dough Moulding compound 4A hinged lid and frame cast		LOCKABLE MANHOLE COVERS					
	11	similar approved manhole SANS 1882 medium duty Dough Moulding compound 4A hinged lid and frame cast	No	4			
Carried to Collection R					R		
Section No. 3							
Bill No. 7 Plumbing And Drainage							
51		-					

BILL NO. 7 PLUMBING AND DRAINAGE COLLECTION	Page No	Amount
Brought I	Forward from Page 50 51	
Carried To Section Summa Section No. 3	ary	R
Bill No. 7 Plumbing And Drainage		

			Amount	
	SECTION NO. 3			
	BUILDING WORKS			
	SECTION SUMMARY			
Bill No.		Page		
1	EARTHWORKS	35		
2	CONCRETE, FORMWORK AND REINFORCEMENT	39		
3	MASONRY	42		
4	WATERPROOFING	45		
5	IRONMONGERY	48		
6	PLASTERING	49		
7	PLUMBING AND DRAINAGE	52		
	Carried to Final Summary	R		
	Section No. 3 SECTION SUMMARY			
	SECTION SUMMART			
	53			

SECTION NO. 4 EXTENAL WORKS (PROVISIONAL)

					2022_011-TMT/	DYA
		Unit	Quantity	Rate	Amount	
	SECTION NO. 4 EXTENAL WORKS (PROVISIONAL) BILL NO. 1 EXTERNAL WORKS					
	MODEL PREAMBLES The tenderer is referred to the "General Preambles for Trades 2017" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates.					
	THE FOLLOWING IN PLATFORMS, ETC.					
	Site Clearance, ETC					
1	Allow for clearing the area of the site to be built upon of all grass, weeds, shrubs, trees with trunks not exceeding 200mm girth, debris, etc., including grubbing up all roots, scoffling up as required and cart away all vegetation and debris.	m²	375			
2	Stripping average 200mm thick layer of topsoil and stockpiling on site.	m²	375			
	Surface Preparation:					
3	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	375			
	Prescribed density tests on filling:					
4	Modified AASHTO Density test.	No	18			
	THE FOLLOWING IN WALKWAYS					
	Excavation not exceeding 2m deep					
5	Reducing levels and depositing excavated material in prescribed stock piles on site.	m³	73			
	Extra over all excavations for loading, carting and dumping surplus excavated material (no allowance made for increase in bulk):					
6	Off site to a dumping site to be found by the Contractor.	m³	73			
	Filling supplied by the contractor under walkways					
7	G7 Base course material compacted to 98% Mod AASHTO density	m³	24			
	Carried to Collection Section No. 4 Bill No. 1 External Works			R		
	55					

					2022_011-TMT/	DYA
		Unit	Quantity	Rate	Amount	
8	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	49			
	Rip and Re - compact insitu material on site compacted to 93% Mod. AASHTO density:					
9	Under floors,etc.	m²	162			
	Prescribed density tests on filling:					
10	In-situ dry density test.	No	17			
	Approved brand of anti-termite soil poison applied by a Registered Pest Control Company and quaranteed against termite infestation for ten years:					
11	Treat filling under paving with 'Chlordane Heptachlor Aldrin' or equal approved.	m²	162			
	Concrete Paving Blocks					
	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 I:					
12	Paving to walkway areas, etc laid to falls.	m²	162			
13	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	216			
14	Ditto but circular on plan.	m	21			
	Kerbing					
	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.					
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	207			
16	Ditto but circular on plan.	m	21			
	Carried to Collection			R		
	Section No. 4					
	Bill No. 1 External Works					
	External works 56					
			. '			

					2022_011-1M1	DTA
		Unit	Quantity	Rate	Amount	
17	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	54			
18	Ditto but circular on plan.	m	5			
	THE FOLLOWING IN ONE BRICK WALL (GARDEN WALL)					
	Excavation in earth not exceeding 2m deep:					
19	Trenches.	m³	20			
	Extra over all excavations for carting away:					
20	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the Contractor.	m³	13			
	Risk of collapse of excavations:					
21	Sides of trench and hole excavations not exceeding 1,5m deep.	m²	80			
	Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 93% MOD AASHTO density:					
22	Backfilling to trenches, holes, etc.	m³	7			
	Earth filling (G7 material) supplied by the contractor in layers not exceeding 150mm thick and compacted to 98% Mod AASHTO density:					
23	Under footings.	m³	6			
	Compaction of surfaces					
24	Compaction of ground surface under floors, etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 90% Mod AASHTO density.	m²	40			
	25 Mpa/19mm Concrete					
25	Strip footings.	m³	8			
	Test blocks:					
26	Making and testing of 150x150x150mm concrete strength test cubes (Provisional).	No	4			
	Reinforcement (Provisional)					
27	High tensile steel reinforcement bars to structural concrete work.	Tonnes	0.79			
	Carried to Collection			R		
	Section No. 4					
	Bill No. 1					
	External Works 57					
- 1			1			1

BRICKWORK IN FOUNDATIONS. Brickwork of NFX bricks (14 MPa nominal compressive strength) in Class I mortar (Cement to be 42.5N all-purpose cement): 8 One brick walls. BRICKWORK IN SUPERSTRUCTURE Brickwork of NFP bricks (14 MPa nominal compressive strength) in Class II mortar (Cement to be 42.5N all-purpose cement): 9 One brick walls. Brickwork reinforcement built in horizontally. 10 One brick walls. Brickwork reinforcement built in horizontally. 11 Ditto but in foundations. FACE BRICK Rustgold FBS/Qunu Travertine clay face brick or equal approved, size 222 x 196 x 73mm, bedded and iolinted 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): 20 One brickwall faced on both sides. Brick-on-edge header course copings, sills, etc. of "Rustgold FBS/Qunu Travertine" or equal approved face bricks nointed with recessed joints on all exposed faces. 220mm wide all set sloping and slightly projecting: 31 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. THE FOLLOWING IN DISABLED ACCESS SCREEN WALL Excavation in earth not exceeding 2m deep: Trenches. Carried to Collection m³ 1 m³ 1 Carried to Collection m³ 1 m³ 1 External Works Section No. 4 Bill No. 1 External Works						2022_011-TMT/	DYA
Brickwork of NFX bricks (14 MPa nominal compressive strength) in Class I mortar (Cement to be 42.5 M all-purpose cement): 8 RICKWORK IN SUPERSTRUCTURE 8 Brickwork of NFP bricks (14 MPa nominal compressive strength) in Class I mortar (Cement to be 42.5 M all-purpose cement): 9 One brick walls. 8 Brickwork reinforcement: 30 230mm Wide reinforcement built in horizontally. 11 Ditto but in foundations. 12 Extra over all excavations for carting away: 13 Ditto but in foundations. 14 Ditto but in foundations. 15 ACE BRICK 16 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 overtical and recessed horizontal joints, suitable for exposure zones 1-2 (Cement to be 42.5 M all-purpose cement); 16 One brickwall faced on both sides. 17 Brick-on-edge header course copings, sills, etc, of "Rustgold FBS/Qunu Travertine" or equal approved face bricks pointed with recessed loints on all exposed faces. 220mm wide sill set sloping and slightly projecting: 18 Brick-on-edge header course to top of one brick wall bedded and jointed in cement mortar and pointed on top and both sides as described. 19 Trenches. 10 Trenches. 10 Carried to Collection ma* 10 Carried to Collection ma* 11 Carried to Collection ma* 12 Extra over all excavations for carting away: 13 Surplus material from excavations and/or stock piles on site to a dumping site to be located by the Contractor. 10 Carried to Collection ma* 11 External Works			Unit	Quantity	Rate	Amount	
Brickwork of NFX bricks (14 MPa nominal compressive strength) in Class I mortar (Cement to be 42.5 M all-purpose cement): 8 RICKWORK IN SUPERSTRUCTURE 8 Brickwork of NFP bricks (14 MPa nominal compressive strength) in Class I mortar (Cement to be 42.5 M all-purpose cement): 9 One brick walls. 8 Brickwork reinforcement: 30 230mm Wide reinforcement built in horizontally. 11 Ditto but in foundations. 12 Extra over all excavations for carting away: 13 Ditto but in foundations. 14 Ditto but in foundations. 15 ACE BRICK 16 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 overtical and recessed horizontal joints, suitable for exposure zones 1-2 (Cement to be 42.5 M all-purpose cement); 16 One brickwall faced on both sides. 17 Brick-on-edge header course copings, sills, etc, of "Rustgold FBS/Qunu Travertine" or equal approved face bricks pointed with recessed loints on all exposed faces. 220mm wide sill set sloping and slightly projecting: 18 Brick-on-edge header course to top of one brick wall bedded and jointed in cement mortar and pointed on top and both sides as described. 19 Trenches. 10 Trenches. 10 Carried to Collection ma* 10 Carried to Collection ma* 11 Carried to Collection ma* 12 Extra over all excavations for carting away: 13 Surplus material from excavations and/or stock piles on site to a dumping site to be located by the Contractor. 10 Carried to Collection ma* 11 External Works		DDIGUMORU IN FOUNDATIONS					
BRICKWORK IN SUPERSTRUCTURE Brickwork of NFP bricks (14 MPa nominal compressive strength) in Class II mortar (Cement to be 42.5N all-purpose cement): 9 One brick walls. Brickwork reinforcement: 30 230mm Wide reinforcement built in horizontally. 10 Itto but in foundations. FACE BRICK Rustgold FBS/Qunu Travertine clay face brick or equal approved, size 222 x 106 x 73mm, bedded and jointed in Class II mortar and pointed with recessed vertical and recessed horizontal joints, suitable for exposure zones 1-2 (Cement to be 42.5N all-purpose cement): 20 One brickwall faced on both sides. 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 silchtty projecting: 32 32 30mm wide header course to top of one brick wall bedded and jointed in cement mortar and pointed on top and both sides as described. THE FOLLOWING IN DISABLED ACCESS SCREEN WALL Excavation in earth not exceeding 2m deep: Trenches. Extra over all excavations for carting away: Surplus material from excavations and/or stock piles on site to a dumping site to be located by the Contractor. Carried to Collection Section No. 4 Bill No. 1 External Works		Brickwork of NFX bricks (14 MPa nominal compressive strength) in Class I mortar (Cement to					
Brickwork of NFP bricks (14 MPa nominal compressive strength) in Class II mortar (Cement to be 42.5N all-purpose cement): 9 One brick walls. Brickwork reinforcement: 230mm Wide reinforcement built in horizontally. m 480 Ditto but in foundations. FACE BRICK Rustqold 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): 30 One brickwall faced on both sides. 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 silnhity projecting: 31 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. THE FOLLOWING IN DISABLED ACCESS SCREEN WALL Excavation in earth not exceeding 2m deep: Trenches. Extra over all excavations for carting away: Surplus material from excavations and/or stock piles on site to a dumping site to be located by the Contractor. Carried to Collection Section No. 4 Bill No. 1 External Works	28	One brick walls.	m²	36			
compressive strength) in Class II mortar (Cement to be 42.5N all-purpose cement): 9 One brick walls. Brickwork reinforcement: 30 230mm Wide reinforcement built in horizontally. m 480 This but in foundations. FACE BRICK Rustqold 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 thorizontal joints, suitable for exposure zones 1-2 (Cement to be 42.5N all-purpose cement): 9 One brickwall faced on both sides. Brick-on-edge header course copings, sills, etc., of "Rustqold FBS/Qunu Travertine" or equal approved face bricks pointed with recessed joints on all exposed faces, 220mm wide sill set sloping and silightly projecting: 32 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. THE FOLLOWING IN DISABLED ACCESS SCREEN WALL Excavation in earth not exceeding 2m deep: Trenches. Trenches. Extra over all excavations for carting away: Surplus material from excavations and/or stock piles on site to a dumping site to be located by the Contractor. Carried to Collection Section No. 4 Bill No. 1 External Works		BRICKWORK IN SUPERSTRUCTURE					
Brickwork reinforcement: 230mm Wide reinforcement built in horizontally. Ditto but in foundations. FACE BRICK Rustgold FBS/Qunu Travertine clay face brick or equal approved, size 222 x 106 x 73mm, bedded and jointed in Class II mortar and pointed with recessed vertical and recessed horizontal joints, suitable for exposure zones 1-2 (Cement to be 42.5N all-purpose cement): 20 One brickwall faced on both sides. Brick-on-edge header course copings, sills, etc, of "Rustgold FBS/Qunu Travertine" or equal approved face bricks pointed with recessed loints on all exposed faces, 220mm wide sill set sloping and silghthy projecting: 33 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. THE FOLLOWING IN DISABLED ACCESS SCREEN WALL Excavation in earth not exceeding 2m deep: Trenches. Extra over all excavations for carting away: Surplus material from excavations and/or stock piles on site to a dumping site to be located by the Contractor. Carried to Collection R Carried to Collection Section No. 4 Bill No. 1 External Works		compressive strength) in Class II mortar (Cement to					
230mm Wide reinforcement built in horizontally. Ditto but in foundations. FACE BRICK Rustgold FBS/Qunu Travertine clay face brick or equal approved, size 222 x 106 x 73mm, bedded and jointed in Class II mortar and pointed with recessed vertical and recessed horizontal joints, suitable for exposure zones 1-2 (Cement to be 42.5N all-purpose cement): 20 One brickwall faced on both sides. 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: 23 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. THE FOLLOWING IN DISABLED ACCESS SCREEN WALL Excavation in earth not exceeding 2m deep: Trenches. Extra over all excavations for carting away: Surplus material from excavations and/or stock piles on site to a dumping site to be located by the Contractor. Carried to Collection Section No. 4 Bill No. 1 External Works	29	One brick walls.	m²	40			
Ditto but in foundations. FACE BRICK Rustgold FBS/Qunu Travertine clay face brick or equal approved, size 222 x 106 x 73mm, bedded and jointed in Class II mortar and pointed with recessed vertical and recessed horizontal joints, suitable for exposure zones 1-2 (Cement to be 42.5N all-purpose cement): 20 One brickwall faced on both sides. 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; 31 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. THE FOLLOWING IN DISABLED ACCESS SCREEN WALL Excavation in earth not exceeding 2m deep: Trenches. Extra over all excavations for carting away: Surplus material from excavations and/or stock piles on site to a dumping site to be located by the Contractor. Carried to Collection Section No. 4 Bill No. 1 External Works		Brickwork reinforcement:					
FACE BRICK Rustgold FBS/Qunu Travertine clay face brick or equal approved, size 222 x 106 x 73mm, bedded and jointed in Class II mortar and pointed with recessed vertical and recessed horizontal joints, suitable for exposure zones 1-2 (Cement to be 42.5N all-purpose cement): 32 One brickwall faced on both sides. 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: 33 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. THE FOLLOWING IN DISABLED ACCESS SCREEN WALL Excavation in earth not exceeding 2m deep: Trenches. Extra over all excavations for carting away: Surplus material from excavations and/or stock piles on site to a dumping site to be located by the Contractor. Carried to Collection Section No. 4 Bill No. 1 External Works	30	230mm Wide reinforcement built in horizontally.	m	480			
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): 32 One brickwall faced on both sides. 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: 33 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. THE FOLLOWING IN DISABLED ACCESS SCREEN WALL Excavation in earth not exceeding 2m deep: Trenches. Extra over all excavations for carting away: 35 Surplus material from excavations and/or stock piles on site to a dumping site to be located by the Contractor. Carried to Collection Section No. 4 Bill No. 1 External Works	31	Ditto but in foundations.	m	400			
equal approved, size 222 x 106 x 73mm, bedded and jointed in Class II mortar and pointed with recessed vertical and recessed torizontal joints, suitable for exposure zones 1-2 (Cement to be 42.5N all-purpose cement): 32 One brickwall faced on both sides. Brick-on-edge header course copings, sills, etc, of "Rustqold FBS/Qunu Travertine" or equal approved face bricks pointed with recessed joints on all exposed faces, 220mm wide sill set sloping and slightly projecting: 33 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. THE FOLLOWING IN DISABLED ACCESS SCREEN WALL Excavation in earth not exceeding 2m deep: Trenches. Extra over all excavations for carting away: 35 Surplus material from excavations and/or stock piles on site to a dumping site to be located by the Contractor. Carried to Collection Section No. 4 Bill No. 1 External Works		FACE BRICK					
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: 33 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. THE FOLLOWING IN DISABLED ACCESS SCREEN WALL Excavation in earth not exceeding 2m deep: Trenches. Extra over all excavations for carting away: Surplus material from excavations and/or stock piles on site to a dumping site to be located by the Contractor. Carried to Collection Section No. 4 Bill No. 1 External Works		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					
"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: 33 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. THE FOLLOWING IN DISABLED ACCESS SCREEN WALL Excavation in earth not exceeding 2m deep: Trenches. Extra over all excavations for carting away: Surplus material from excavations and/or stock piles on site to a dumping site to be located by the Contractor. Carried to Collection Section No. 4 Bill No. 1 External Works	32	One brickwall faced on both sides.	m²	98			
bedded and jointed in cement mortar and pointed on top and both sides as described. THE FOLLOWING IN DISABLED ACCESS SCREEN WALL Excavation in earth not exceeding 2m deep: Trenches. m³ 2 Extra over all excavations for carting away: Surplus material from excavations and/or stock piles on site to a dumping site to be located by the Contractor. m³ 1 Carried to Collection Section No. 4 Bill No. 1 External Works		"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:					
SCREEN WALL Excavation in earth not exceeding 2m deep: Trenches. m³ 2 Extra over all excavations for carting away: Surplus material from excavations and/or stock piles on site to a dumping site to be located by the Contractor. m³ 1 Carried to Collection Section No. 4 Bill No. 1 External Works	33	bedded and jointed in cement mortar and pointed on top	m	80			
Trenches. m³ 2 Extra over all excavations for carting away: Surplus material from excavations and/or stock piles on site to a dumping site to be located by the Contractor. m³ 1 Carried to Collection Section No. 4 Bill No. 1 External Works							
Extra over all excavations for carting away: Surplus material from excavations and/or stock piles on site to a dumping site to be located by the Contractor. Carried to Collection Section No. 4 Bill No. 1 External Works		Excavation in earth not exceeding 2m deep:					
Surplus material from excavations and/or stock piles on site to a dumping site to be located by the Contractor. Carried to Collection Section No. 4 Bill No. 1 External Works	34	Trenches.	m³	2			
Section No. 4 Bill No. 1 External Works		Extra over all excavations for carting away:					
Section No. 4 Bill No. 1 External Works	35		m³	1			
Section No. 4 Bill No. 1 External Works							
Section No. 4 Bill No. 1 External Works		Carried to Collection			R		
External Works		Section No. 4					

					2022_011-TMT/	DYA
		Unit	Quantity	Rate	Amount	
	Risk of collapse of excavations:					
36	Sides of trench and hole excavations not exceeding 1,5m deep.	m²	6			
	Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 93% MOD AASHTO density:					
37	Backfilling to trenches, holes, etc.	m³	1			
	Earth filling (G7 material) supplied by the contractor in layers not exceeding 150mm thick and compacted to 98% Mod AASHTO density:					
38	Under footings.	m³	1			
	Compaction of surfaces					
39	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	2			
	25 Mpa/19mm Concrete					
40	Strip footings.	m³	1			
	Test blocks:					
41	Making and testing of 150x150x150mm concrete strength test cubes (Provisional).	No	1			
	Reinforcement (Provisional)					
42	High tensile steel reinforcement bars to structural concrete work.	Tonnes	0.10			
	BRICKWORK IN FOUNDATIONS.					
	Brickwork of NFX bricks (14 MPa nominal compressive strength) in Class I mortar (Cement to be 42.5N all-purpose cement):					
43	One brick walls.	m²	2			
	BRICKWORK IN SUPERSTRUCTURE					
	Brickwork of NFP bricks (14 MPa nominal compressive strength) in Class II mortar (Cement to be 42.5N all-purpose cement):					
44	One brick walls.	m²	8			
	Brickwork reinforcement:					
45	230mm Wide reinforcement built in horizontally.	m	28			
46	Ditto but in foundations.	m	16			
			.5			
	Carried to Collection			R		
	Section No. 4					
	Bill No. 1					
	External Works 59					
	59			ı	I	I

					2022_011-TMT/	DYA
		Unit	Quantity	Rate	Amount	
	FACE BRICK					
	Rustgold FBS/Qunu Travertine clay face brick or equal approved, size 222 x 106 x 73mm, bedded and jointed in Class II mortar and pointed with recessed vertical and recessed horizontal joints, suitable for exposure zones 1-2 (Cement to be 42.5N all-purpose cement):					
47	One brickwall faced on both sides.	m²	16			
	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:					
48	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	4			
	ACCESS RAMPS					
	Excavation not exceeding 2m deep					
49	Reducing levels and depositing excavated material in prescribed stock piles on site.	m³	1			
	Extra over all excavations for loading, carting and dumping surplus excavated material (no allowance made for increase in bulk):					
50	Off site to a dumping site to be found by the Contractor.	m^3	1			
	Filling supplied by the contractor under floors, aprons, etc					
51	G7 Base course material compacted to 98% Mod AASHTO density	m³	1			
52	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			
	·	111	'			
53	Coarse river sand filling supplied by the contractor: Under floors etc.	m³	1			
	Compaction of surfaces:					
54		m²	4			
	,		4			
	Carried to Collection					
	Section No. 4			R		
	Bill No. 1					
	External Works					
	60					

		Unit	Quantity	Rate	Amount	
	Prescribed density tests on filling:					
55	In-situ dry density test.	No	2			
	Reinforced 25Mpa/19mm Concrete:					
56	Ramps, Landings, etc.	m³	1			
	Finishing top surfaces of concrete smooth with a wood float:					
57	Surface beds, slabs, etc to falls and currents.	m²	4			
	Test blocks:					
58	Making and testing of 150x150x150mm concrete strength test cubes (Provisional).	No	2			
	Expansion joints with bitumen impregnated softboard between vertical concrete or brick surfaces:					
59	12mm Joints not exceeding 300mm high.	m	3			
	Two-part grey polysulphide sealing compound including backing cord, bond breaker, primer, etc					
60	10 x 12mm In movement joints in floors or walls including raking out expansion joint filler as necessary.	m	3			
	Fabric reinforcement:					
61	REF. 395 fabric reinforcement in concrete surface beds, slabs, etc.	m²	4			
	Waterproofing under Surface beds					
62	350 Micron USB orange polyethylene dampproof membrane in accordance with SABS 952 Type C laid on sand bed (elsewhere measured).	m²	4			
	THE FOLLOWING IN RETAINING WALLS, ETC.					
	Excavation in earth not exceeding 2m deep					
63	Trenches.	m³	22			
	Risk of collapse of excavations:					
64	Sides of trench and hole excavations not exceeding 1,5m deep.	m²	62			
	Keeping excavations free of water:					
65	Keeping excavations free of all water other than subterranean water.	Item				
				_		
	Carried to Collection Section No. 4			R		
	Bill No. 1					
	External Works					
	61					

Extra over all excavations for loading, carting and dumping surplus excavated material (no allowance made for increase in bulk): 66 Off site to a dumping site to be found by the Contractor. Filling with approved clean, hard, dry decomposed dolerite filling supplied and carted onto site by the Contractor, compacted to a density of at least 35% Mod, AASHTO maximum density. 8 Behind walls with selected backfilling supplied by the Contractor compacted to 98% Mod AASHTO density Compaction of surfaces 88 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. 15Mpa/19mm Concrete 89 Surface blinding under footings and bases. 30Mpa/19mm Concrete 90 Strip footings. 10 Tast blocks: 11 Cavity walls. 12 Tast blocks: 13 Making and testing of 150x150x150mm concrete strength test cubes (Provisional). 14 Fabric reinforcement: 15 Brickwork of NFX bricks (14 MPa nominal compressive strength) in Class 1 mortar (Cement to be 42.8h all-purpose cement): 16 Sirickwork reinforcement elsewhere measured). 17 Brickwork reinforcement elsewhere measured). 18 Brickwork reinforcement built in horizontally. 19 Carried to Collection 10 Section No. 4 Bill No. 1 External Works 10 External Works						2022_011-TMT/	DYA
dumping surplus excavated material (no allowance made for increase in bulk): Off site to a dumping site to be found by the Contractor. Filling with approved clean, hard, dry decomposed dolerite filling supplied and carted onto site by the Contractor, compacted to a density of at least 35% Mod. AASHTO maximum density: Behind walls with selected backfilling supplied by the Contractor compacted to 98% Mod ASSHTO density Compaction of surfaces Compaction of surfaces under floors, etc including scarrifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 90% Mod AASHTO density. 15Mpa/19mm Concrete Surface blinding under footings and bases. 30Mpa/19mm Concrete Surface blinding under footings and bases. 71 Cavity walls. 72 Cavity walls. 73 Reff. 395 fabric reinforcement in concrete infill, strip footings. 8 Fabric reinforcement: 74 330mm thick cavity brick Walls made of two leafs of 110mm wall with 110mm mesh reinforced concrete fill (concrete and reinforcement elsewhere measured). 8 Brickwork of NFX bricks (14 MPa nominal compressive strength) in Class I mortar (Cement to be 42.5 M all-purpose coment): 3030mm thick cavity brick Walls made of two leafs of 110mm wall with 110mm mesh reinforced concrete fill (concrete and reinforcement elsewhere measured). 8 Brickwork reinforcement built in horizontally. Carried to Collection Section No. 4 Bill No. 1 External Works			Unit	Quantity	Rate	Amount	
Filling with approved clean, hard, dry decomposed dolerite filling supplied and carted onto site by the Contractor, compacted to a density of at least 95% Mod. AASHTO maximum density: Behind walls with selected backfilling supplied by the Contractor compacted to 98% Mod ASSHTO density Compaction of surfaces 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. 15Mpa/19mm Concrete Surface bilinding under footings and bases. 30Mpa/19mm Concrete Strip footings. m³ 2 30Mpa/19mm Concrete Strip footings. m³ 12 Test blocks: Making and testing of 150x150x150mm concrete strength test cubes (Provisional). Fabric reinforcement: REF. 396 fabric reinforcement in concrete infill, strip footings. Brickwork of NFX bricks (14 MPa nominal compressive strength) in Class I mortar (Cement to be 42.5N all-purpose cement): 330mm thick cavity brick Walls made of two leafs of 110mm wall with 110mm mesh reinforced concrete fill (concrete and reinforcement elsewhere measured). Brickwork reinforcement: Carried to Collection Section No. 4 Bill No. 1 External Works		dumping surplus excavated material (no allowance					
dolerite filling supplied and carted onto site by the Contractor, compacted to a density of at least 95% Mod. AASHTO maximum density: Behind walls with selected backfilling supplied by the Contractor compacted to 98% Mod ASSHTO density Compaction of surfaces 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. 15Mpa/19mm Concrete Surface blinding under footings and bases. 30Mpa/19mm Concrete Strip footings. Test blocks: Making and testing of 150x150x150mm concrete strength test cubes (Provisional). Fabric reinforcement: REF. 395 fabric reinforcement in concrete infill, strip footings. Brickwork of NFX bricks (14 MPa nominal compressive strength) in Class I mortar (Cement to be 42.5N all-purpose cement); 330mm thick cavity brick Walls made of two leafs of 110mm wall with 110mm mesh reinforced concrete fill (concrete and reinforcement elsewhere measured). Brickwork reinforcement: Carried to Collection Section No. 4 Bill No. 1 External Works	66	Off site to a dumping site to be found by the Contractor.	m³	36			
Contractor compacted to 98% Mod ĀSSHTO density Compaction of surfaces 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. 15Mpa/19mm Concrete Surface blinding under footings and bases. 30Mpa/19mm Concrete Strip footings. 71 Cavity walls. Test blocks: 72 Making and testing of 150x150x150mm concrete strength test cubes (Provisional). Fabric reinforcement: 73 REF. 395 fabric reinforcement in concrete infill, strip footings. Brickwork of NFX bricks (14 MPa nominal compressive strength) in Class I mortar (Cement to be 42.5M all-purpose cement): 74 330mm thick cavity brick Walls made of two leafs of 110mm wall with 110mm mesh reinforced concrete fill (concrete and reinforcement issewhere measured). Brickwork reinforcement: 75 230mm Wide reinforcement built in horizontally. Carried to Collection R Carried to Collection R External Works		dolerite filling supplied and carted onto site by the Contractor, compacted to a density of at least 95%					
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. 15Mpa/19mm Concrete Surface blinding under footings and bases. 30Mpa/19mm Concrete Strip footings. Test blocks: Test blocks: Awking and testing of 150x150x150mm concrete strength test cubes (Provisional). Fabric reinforcement: REF. 395 fabric reinforcement in concrete infill, strip footings. Brickwork of NFX bricks (14 MPa nominal compressive strength) in Class I mortar (Cement to be 42.5N all-purpose cement): 330mm thick cavity brick Walls made of two leafs of 110mm wall with 110mm mesh reinforced concrete fill (concrete and reinforcement elsewhere measured). Brickwork reinforcement: 230mm Wide reinforcement built in horizontally. Carried to Collection Section No. 4 Bill No. 1 External Works	67		m³	12			
scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 90% Mod AASHTO density. 15Mpa/19mm Concrete Surface blinding under footings and bases. 30Mpa/19mm Concrete Strip footings. Test blocks: Making and testing of 150x150x150mm concrete strength test cubes (Provisional). Fabric reinforcement: REF. 395 fabric reinforcement in concrete infill, strip footings. Brickwork of NFX bricks (14 MPa nominal compressive strength) in Class I mortar (Cement to be 42.5N all-purpose cement): 330mm thick cavity brick Walls made of two leafs of 110mm wall with 110mm mesh reinforced concrete fill (concrete and reinforcement elsewhere measured). Brickwork reinforcement: 230mm Wide reinforcement built in horizontally. Carried to Collection Section No. 4 Bill No. 1 External Works		Compaction of surfaces					
Surface blinding under footings and bases. 30Mpa/19mm Concrete 70 Strip footings. 71 Cavity walls. 72 Making and testing of 150x150x150mm concrete strength test cubes (Provisional). Fabric reinforcement: 73 REF. 395 fabric reinforcement in concrete infill, strip footings. Brickwork of NFX bricks (14 MPa nominal compressive strength) in Class I mortar (Cement to be 42.5N all-purpose cement): 74 330mm thick cavity brick Walls made of two leafs of 110mm wall with 110mm mesh reinforced concrete fill (concrete and reinforcement elsewhere measured). Brickwork reinforcement: 75 230mm Wide reinforcement built in horizontally. Carried to Collection Section No. 4 Bill No. 1 External Works	68	scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and	m²	13			
30Mpa/19mm Concrete 70 Strip footings. m³ 8 71 Cavity walls. m³ 12 Test blocks: 72 Making and testing of 150x150x150mm concrete strength test cubes (Provisional). No 5 Fabric reinforcement: 73 REF. 395 fabric reinforcement in concrete infill, strip footings. m² 107 Brickwork of NFX bricks (14 MPa nominal compressive strength) in Class I mortar (Cement to be 42.5N all-purpose cement): 74 330mm thick cavity brick Walls made of two leafs of 110mm wall with 110mm mesh reinforced concrete fill (concrete and reinforcement elsewhere measured). m² 118 Brickwork reinforcement: 75 230mm Wide reinforcement built in horizontally. m 504		15Mpa/19mm Concrete					
70 Strip footings. m³ 8 71 Cavity walls. m³ 12 Test blocks: Making and testing of 150x150x150mm concrete strength test cubes (Provisional). No 5 Fabric reinforcement: 73 REF. 395 fabric reinforcement in concrete infill, strip footings. m² 107 Brickwork of NFX bricks (14 MPa nominal compressive strength) in Class I mortar (Cement to be 42.5N all-purpose cement): 74 330mm thick cavity brick Walls made of two leafs of 110mm wall with 110mm mesh reinforced concrete fill (concrete and reinforcement elsewhere measured). m² 118 Brickwork reinforcement: 75 230mm Wide reinforcement built in horizontally. m 504	69	Surface blinding under footings and bases.	m³	2			
Test blocks: Making and testing of 150x150x150mm concrete strength test cubes (Provisional). Fabric reinforcement: REF. 395 fabric reinforcement in concrete infill, strip footings. Brickwork of NFX bricks (14 MPa nominal compressive strength) in Class I mortar (Cement to be 42.5N all-purpose cement): 74 330mm thick cavity brick Walls made of two leafs of 110mm wall with 110mm mesh reinforced concrete fill (concrete and reinforcement elsewhere measured). Brickwork reinforcement: 75 230mm Wide reinforcement built in horizontally. Carried to Collection R Section No. 4 Bill No. 1 External Works		30Mpa/19mm Concrete					
Test blocks: Making and testing of 150x150x150mm concrete strength test cubes (Provisional). Fabric reinforcement: REF. 395 fabric reinforcement in concrete infill, strip footings. Brickwork of NFX bricks (14 MPa nominal compressive strength) in Class I mortar (Cement to be 42.5N all-purpose cement): 330mm thick cavity brick Walls made of two leafs of 110mm wall with 110mm mesh reinforced concrete fill (concrete and reinforcement elsewhere measured). Brickwork reinforcement: 230mm Wide reinforcement built in horizontally. Carried to Collection Section No. 4 Bill No. 1 External Works	70	Strip footings.	m³	8			
Making and testing of 150x150x150x150mm concrete strength test cubes (Provisional). No 5 Fabric reinforcement: REF. 395 fabric reinforcement in concrete infill, strip footings. Brickwork of NFX bricks (14 MPa nominal compressive strength) in Class I mortar (Cement to be 42.5N all-purpose cement): 330mm thick cavity brick Walls made of two leafs of 110mm wall with 110mm mesh reinforced concrete fill (concrete and reinforcement elsewhere measured). Brickwork reinforcement: 230mm Wide reinforcement built in horizontally. Carried to Collection Section No. 4 Bill No. 1 External Works	71	Cavity walls.	m³	12			
strength test cubes (Provisional). Fabric reinforcement: REF. 395 fabric reinforcement in concrete infill, strip footings. m² 107		Test blocks:					
REF. 395 fabric reinforcement in concrete infill, strip footings. Brickwork of NFX bricks (14 MPa nominal compressive strength) in Class I mortar (Cement to be 42.5N all-purpose cement): 74 330mm thick cavity brick Walls made of two leafs of 110mm wall with 110mm mesh reinforced concrete fill (concrete and reinforcement elsewhere measured). Brickwork reinforcement: 230mm Wide reinforcement built in horizontally. Carried to Collection Section No. 4 Bill No. 1 External Works	72		No	5			
footings. Brickwork of NFX bricks (14 MPa nominal compressive strength) in Class I mortar (Cement to be 42.5N all-purpose cement): 330mm thick cavity brick Walls made of two leafs of 110mm wall with 110mm mesh reinforced concrete fill (concrete and reinforcement elsewhere measured). Brickwork reinforcement: 230mm Wide reinforcement built in horizontally. Carried to Collection Section No. 4 Bill No. 1 External Works		Fabric reinforcement:					
compressive strength) in Class I mortar (Cement to be 42.5N all-purpose cement): 330mm thick cavity brick Walls made of two leafs of 110mm wall with 110mm mesh reinforced concrete fill (concrete and reinforcement elsewhere measured). Brickwork reinforcement: 230mm Wide reinforcement built in horizontally. Carried to Collection Section No. 4 Bill No. 1 External Works	73		m²	107			
110mm wall with 110mm mesh reinforced concrete fill (concrete and reinforcement elsewhere measured). Brickwork reinforcement: 230mm Wide reinforcement built in horizontally. Carried to Collection Section No. 4 Bill No. 1 External Works		compressive strength) in Class I mortar (Cement to					
Carried to Collection Section No. 4 Bill No. 1 External Works	74	110mm wall with 110mm mesh reinforced concrete fill	m²	118			
Carried to Collection Section No. 4 Bill No. 1 External Works		Brickwork reinforcement:					
Section No. 4 Bill No. 1 External Works	75	230mm Wide reinforcement built in horizontally.	m	504			
Section No. 4 Bill No. 1 External Works							
Bill No. 1 External Works		Carried to Collection			R		
External Works							

					2022_011-TMT/	DYA
		Unit	Quantity	Rate	Amount	
76	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): Extra over brickwork for face brickwork externally.	m²	168			
	Brick-on-edge header course copings, sills, etc, of "Rustgold FBS/Qunu Travertine" or equal Architect approved clay face brick size 222 x 106 x 73mm, pointed with recessed joints on all exposed faces:					
77	220mm 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	56			
	Openings in Walls etc.					
78	Leave or form 32mm weephole through one brick wall	No	11			
	<u>Membranes</u>					
79	Geofabric filter blanket wrapped around stone with 150mm side and 300mm end laps, including stitching. m2 0.0 12/08/2022 11:56:44	m²	67			
80	Earth filling 300 x 300mm section of 19mm thick stone material surrounding 110mm uPVC pipe, supplied by the contractor compacted to 98% Mod AASHTO density:	m³	5			
81	19mm Stone.	m³	17			
	THE FOLLOWING IN STORMWATER DRAINAGE, APRONS ETC.					
	STORMWATER APRONS					
	Excavation not exceeding 2m deep					
82	Reducing levels and depositing excavated material in prescribed stock piles on site.	m³	16			
	Extra over all excavations for loading, carting and dumping surplus excavated material (no allowance made for increase in bulk):					
83	Off site to a dumping site to be found by the Contractor.	m^3	16			
	Filling supplied by the contractor under floors, aprons, etc					
84	G7 Base course material compacted to 98% Mod AASHTO density	m³	8			
	Carried to Collection			R		
	Section No. 4					
	Bill No. 1					
	External Works 63					
	00		1 1	ı	1	

					2022_011-TMT/	DYA
		Unit	Quantity	Rate	Amount	
85	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.	т³	8			
	Coarse river sand filling supplied by the contractor:					
86	Under floors etc.	m³	3			
	Compaction of surfaces:					
87	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	52			
	Prescribed density tests on filling:					
88	In-situ dry density test.	No	8			
	Reinforced 25Mpa/19mm Concrete:					
89	Surface beds cast in panels on waterproofing.	m³	7			
90	Edge thickening	m³	3			
	Finishing top surfaces of concrete smooth with a wood float:					
91	Surface beds, slabs, etc to falls and currents.	m²	52			
	Test blocks:					
92	Making and testing of 150x150x150mm concrete strength test cubes (Provisional).	No	3			
	Expansion joints with bitumen impregnated softboard between vertical concrete or brick surfaces:					
93	12mm Joints not exceeding 300mm high.	m	22			
	Two-part grey polysulphide sealing compound including backing cord, bond breaker, primer, etc					
94	10 x 12mm In movement joints in floors or walls including raking out expansion joint filler as necessary.	m	22			
	Fabric reinforcement:					
95	REF. 395 fabric reinforcement in concrete surface beds, slabs, etc.	m²	52			
	Waterproofing under Surface beds					
96	350 Micron USB orange polyethylene dampproof membrane in accordance with SABS 952 Type C laid on sand bed (elsewhere measured).	m²	52			
	Carried to Collection			R		
	Section No. 4					
	Bill No. 1					
	External Works					
	64					

					2022_011-TMT/	DYA
		Unit	Quantity	Rate	Amount	
	STORMWATER CHANNELS					
97	Excavation not exceeding 2m deep	m³	11			
98	Reducing levels and depositing excavated material in prescribed stock piles on site.	m³	5			
	Extra over all excavations for loading, carting and dumping surplus excavated material (no allowance made for increase in bulk):					
99	Off site to a dumping site to be found by the Contractor.	m³	11			
	Filling supplied by the contractor under channels					
100	G7 Base course material compacted to 98% Mod AASHTO density	m³	5			
101	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			
	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.					
102	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	52			
103	Extra for 700mm angle	No	18			
104	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	2			
		140				
	Sundries:					
105	Create earth berm for stormwater control with in situ material 1,5m wide at base x 500mm high	m	66			
106	Construct shaped earth V-drain 2m wide with grass runners	m	35			
	Carried to Collection			R		
	Section No. 4					
	Bill No. 1					
	External Works					
	65					

					2022_011-TMT/D	YΑ
		Unit	Quantity	Rate	Amount	
	THE FOLLOWING IN STORMWATER DISH DRAIN,					
	ETC.					
	Excavation not exceeding 2m deep					
107	Reducing levels and depositing excavated material in prescribed stock piles on site.	m³	22			
	Extra over all excavations for loading, carting and dumping surplus excavated material (no allowance made for increase in bulk):					
108	Off site to a dumping site to be found by the Contractor.	m³	11			
	Filling supplied by the contractor under floors, aprons, channels etc					
109	G7 Base course material compacted to 98% Mod AASHTO density	m³	5			
110	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			
	Coarse river sand filling supplied by the contractor:					
111	Under floors etc.	m^3	2			
	Compaction of surfaces:					
112	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	36			
	Prescribed density tests on filling:					
113	In-situ dry density test.	No	10			
	Reinforced 25Mpa/19mm Concrete:					
114	Surface beds cast in panels on waterproofing.	m³	5			
	Finishing top surfaces of concrete smooth with a					
	wood float:					
115	Surface beds, slabs, etc to falls and currents.	m²	36			
	Test blocks:					
116	Making and testing of 150x150x150mm concrete					
	strength test cubes (Provisional).	No	6			
						—
	Carried to Collection			R		
	Section No. 4					
	Bill No. 1					
	External Works 66					
- 1	00			I	1	

					2022_011-TMT/DY	Α
		Unit	Quantity	Rate	Amount	
	Expansion joints with bitumen impregnated softboard between vertical concrete or brick surfaces:					
117	12mm Joints not exceeding 300mm high.	m	19			
	Two-part grey polysulphide sealing compound including backing cord, bond breaker, primer, etc					
118	10 x 12mm In movement joints in floors or walls including raking out expansion joint filler as necessary.	m	19			
119	Fabric reinforcement: REF. 617 fabric reinforcement in concrete surface beds, slabs, etc.	m²	36			
	THE FOLLOWING IN SOAKAWAY					
	Site Clearance, Etc					
120	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc	m²	32			
	Excavation in earth not exceeding 2m deep:					
121	Holes	m³	16			
	Extra over all excavations for carting away					
122	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	6			
	Risk of collapse of excavations					
123	Sides of trench and hole excavations exceeding 1,5m deep but not exceeding 3,0m deep	m²	42			
	Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 90% Mod AASHTO density					
124	Backfilling to holes	m³	10			
	Earth filling with stone material supplied by the contractor:					
125	Stone (>53mm).	m³	6			
	Membranes					
126	BidimGeotextile or equal approved, lined on all sides including the top and bottom faces. m2 0.0 02/11/2022 05:24:27	m²	40			
	Cowind to Collection					
	Carried to Collection Section No. 4			R		_
	Bill No. 1					
	External Works					
	67					

					2022_011-TMT/	DYA
		Unit	Quantity	Rate	Amount	
	Keeping excavations free of water					
127	Keeping excavations free of all water other than subterranean water	Item				
	THE FOLLOWING IN RAINWATER TANKS AND STANDS					
	Excavation in earth not exceeding 2m deep:					
128	Trenches.	m³	8			
	Extra over all excavations for carting away:					
129	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the Contractor.	m³	5			
	Risk of collapse of excavations:					
130	Sides of trench and hole excavations not exceeding 1,5m deep.	m²	32			
	Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 93% MOD AASHTO density:					
131	Backfilling to trenches, holes, etc.	m³	3			
	Earth filling (G7 material) supplied by the contractor in layers not exceeding 150mm thick and compacted to 98% Mod AASHTO density:					
132	Under footings.	m³	7			
	Compaction of surfaces					
133	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	16			
	25 Mpa/19mm Concrete					
134	Strip footings.	m³	3			
	25 MPa/19mm Concrete:					
135	Tank concrete slab.	m³	2			
	Test blocks:					
136	Making and testing of 150x150x150mm concrete strength test cubes (Provisional).	No	6			
	Carried to Collection			R		
	Section No. 4					
	Bill No. 1					
	External Works					
	68					

1			1 1	1	2022_011-1M1/	DTA
		Unit	Quantity	Rate	Amount	
	Finishing top surfaces of concrete smooth with a steel trowel including adding additional cement while concrete is still green to attain a smooth, hard surface:					
137	Surface beds, slabs, etc.	m²	16			
138	Rough Formwork to Sides: Edges, risers, ends and reveals not exceeding 300mm high.	m	32			
	Allens Meshco Square Mesh Fabric reinforcement:					
139	Type 617 fabric reinforcement in concrete slabs.	m²	16			
	BRICKWORK IN FOUNDATIONS.					
	Brickwork of NFX bricks (14 MPa nominal compressive strength) in Class I mortar (Cement to be 42.5N all-purpose cement):					
140	One brick walls.	m²	14			
	BRICKWORK IN SUPERSTRUCTURE					
	Brickwork of NFP bricks (14 MPa nominal compressive strength) in Class II mortar (Cement to be 42.5N all-purpose cement):					
141	One brick walls.	m²	16			
	Brickwork reinforcement:					
142	230mm Wide reinforcement built in horizontally.	m	128			
143	Ditto but in foundations.	m	128			
	FACE BRICK					
	Rustgold FBS/Qunu Travertine clay face brick or equal approved, size 222 x 106 x 73mm, bedded and jointed in Class II mortar and pointed with recessed vertical and recessed horizontal joints, suitable for exposure zones 1-2(Cement to be 42.5N all-purpose cement):					
144	Extra over brickwork for face brickwork externally.	m²	16			
	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:					
145	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	32			
	Carried to Collection			R		
	Section No. 4					
	Bill No. 1					
	External Works					
	69					

					2022_011-TMT/	DYA
		Unit	Quantity	Rate	Amount	
	Plastic water tanks etc:					
146	5000 Litre roto molded or equal approved plastic tank complete with lid, 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	4			
147	Hole top of tank for 100mm pipe.	No	4			
	THE FOLLOWING IN SECURITY FENCING, ETC					
	Site clearance					
148	Allow for clearing site for the width of 1 000 mm where fencing is to be erected including removing trees, shrubs etc. not exceeding 200 mm girth, grubbing up roots and roughly levelling.	m²	632			
	Straining wires, fencing and razor wire:					
149	Four strands of 4mm Class'A' galvanised straining wires secured to fencing posts with doubled 2 mm galvanised wire inserted through hole in post and turned a minimum of four turns around straining wire and attached to straining frame at one end with not less than four turns at the other end to straining bolts (elsewhere measured).	m	632			
150	3 Strands of galvanised barbed wire tied to standards, posts and eye bolts	m	632			
		m	032			
151	Fencing formed of 50 x 50 x 2.0mm diameter galvanised fencing 1 800mm high and fixed to each straining wire with 8 guage binding wire at 500mm centres including Y12 pegs at 900mm c/c between posts (straining wires elsewhere measured).	m	632			
	Posts for 1 800mm high security fence:					
152	60mm Diameter galvanised steel intermediate fencing post 1800mm long fitted with a pressed steel mushroom cap one end and 150 x 150 x 5 mm baseplate at bottom and embedded in and including 350 x 350 x 600 mm mass concrete (15 MPa) base.	No	212			
153	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			
	Carried to Collection					
	Section No. 4			R		
	Bill No. 1					
	External Works					
	70					

1			1 1		2022_011-1M1/	DIA
		Unit	Quantity	Rate	Amount	
154	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	6			
155	12mm Diameter galvanised mild steel straining eye bolt with hook, threaded portion and two nuts and washers.	No	36			
156	Form 12mm diameter hole through fence post.	No	1 308			
	Gates:					
157	Security fence single gate, size 1 000 mm wide x 1 800 mm high, formed of 50 mm diameter nominal bore x 3,25 mm wall thickness hot dip galvanised mild steel pipe framing all round with mitred and welded angles and cross braces mullion and transome, scribed and welded into angles and at cross intersections, with two 50 mm diameter nominal bore x 3,25 mm wall thickness security posts each 600 mm long with one end welded to top rail of gate and closure plate to other end, the gate covered with 100 x 50 x 2,5 mm weld mesh with four straining wires as before described and with four 2,37 mm four point core diameter single "kampeon" wires with crimped droppers to security posts as before described; including three strands flat wrap razor barbed tape wire fixed as before described, leaf fitted with three 24 mm diameter x 300 mm long eyebolt hinges and stops including all holes, etc., welded or bolted to adjoining galvanised gatepost with and including 500 mm long approved chain spot welded to gate	No	1			
158	Two leafed vehicular swing gate. Size 5500mm x 1800mm high.	No	1			
	PADLOCKS					
159	Supply 50 mm "Viro" Padlocks and Keys (or equal approved)	No	3			
	Carried to Collection Section No. 4 Bill No. 1 External Works			R		
	7.1		1 1		I	I

			2022_011-TMT/	DYA
			Amount	
BILL NO. 1				
EXTERNAL WORKS				
COLLECTION				
		Page No		
	Brought Forward from Page	55		
		56		
		57		
		58		
		59		
		60		
		61		
		62		
		63		
		64		
		65		
		66		
		67		
		68		
		69		
		70		
		71		
	Carried To Section Summary	R		
Section No. 4 Bill No. 1				
External Works				
	72			

			Amount	
	SECTION NO. 4			
	SECTION NO. 4 EXTENAL WORKS (PROVISIONAL)			
	SECTION SUMMARY			
Bill No.		Page		
1	EXTERNAL WORKS	72		
	Carried to Final Summary Section No. 4	R		
	SECTION SUMMARY			
	73			

SECTION NO. 5 PROVISIONAL SUMS

Amount

		Amount	
SECTION NO. 5 PROVISIONAL SUMS			
SECTION 5			
BILL No. 1			
PROVISIONAL SUMS			
SUPPLEMENTARY PREAMBLES			
Tenderers are advised that no claim in respect of loss of profit or Preliminary charges based on the omission of these amounts will be considered and the said amounts will be omitted strictly without any financial compensation payable to the Contractor.			
Provisional sums and Budgetary allowances contained herein may be omitted or reduced at the Employer's discretion and the Contractor shall not be entitled to claim for any loss by way of reductions or omission of any discount, or percentage relating to Provisional amounts and Budgetary sums or any loss of profit related therto.			
PRE-FABRICATED STRUCTURES			
NOTE: Shop drawings / Specifications will be required for approval by the Principal Agent PRIOR to installation.			
The ABT Specialist Supplier must be competent person registered with relevant statutory body, all ABT construction shall comply with SABS standards and approved by AGREMENT SA.			
The Structures to be erected will be as follows:			
Learners and Staff ablution structure on concrete slab, size 9400 x 3080 x 3120mm high complete with 4No. external door including security gate, 4No. Internal doors, 13No. windows, 5No. WCs, 1No. urinals, 4No. wash hand basin etc.			
Grade R ablution structure on concrete slab, size 5400 x 3080 x 3120mm high complete with 1No. external doors including security gate, 7No. windows, 1No. WC, 2No. junior WCs, 2No. wash hand basins etc.			
Pre-fabricated Modular Units shall comprise of:			
Internal and external walls made of 40mm thick wall panel which consist of 0.5mm rigidised prepainted white galvanised chromadek sheeting on both sides including base rails, top rails all joined with aluminium rivets.			
600 x 600mm high casement type (W1) natural anodised aluminium window including frames and 4mm obscure glass with one top hung opener; Windows are to be secured with aluminium profile burglar proofing			
Carried To Section Summary Section No. 5 Bill No. 1 Provisional Sums	R		
75			

	Amount	
813 x 2032mm high external doors manufactured from the same materials as the walls and fitted with hinges, five lever mortice lock, complete with striker plates, two keys chrome plated handles etc.		
813 x 1882mm high internal door manufactured from the same materials as the walls and fitted with hinges, 3 lever mortice lock complete with striker plates, two keys chrome plated handles etc.		
Galvanised mild steel security gate 900 x 2050mm high overall size		
2mm thick vinyl sheeting on floors		
The roof is to be 0.5mm Chromadek IBR sheeting mono pitched roof with mono pitched galvanised ridge capping, 255mm lapping secured onto the roof including light steel frame roof at 6 degree slope		
125mm half round PVC gutters including gutter brackets at 1000mm centres with 75mm rainwater PVC fluted downpipes connected to 5000L plastic water tanks (elsewhere measured).		
Medium density plain un-grooved fascia boards		
85 x 275 x 6.0mm barge board drilled and brass screwed to purlin ends including galvanised steel H-profile jointing strips, screws, holes, etc.		
Plumbing and sanitary fittings shall comprise of WCs, Urinals, Wash hand basins, 15mm and 22mm polycop water supply pipes, 50mm diameter PVC drainage pipes and associated accessories		
Provide the sum of R655 000.00 for the supply and installation of Alternative Building Technology (ABT) toilet structures, as above described, by a nominated sub-contractor.	655 000	00
2 Add: Profit on above Item		
3 Add: Attendance on above Item		
Carried To Section Summary R Section No. 5 Bill No. 1		
Provisional Sums 76		

			2022_011-1M1/L	JYA
			Amount	
	ELECTRICAL INSTALLATION			
4	Provide the sum of R80 000.00 for Electrical supply cables, flexible sleeves, terminations and lightning protection including COCs.	Item	80 000	00
5	Add: Profit on above	Item		
6	Add: Attendance on above	Item		
	TEMPORARY ABLUTIONS			
7	Provide the sum of R 250 000.00 (Two Hundred and Fifty Thousand Rand) for the Supply, Servicing and maintenance of temporary ablutions for the duration of the project and Removal thereof on completion.	Item	250 000 (00
8	Add: Profit	Item		
9	Add: Attendance	Item		
	COMMUNITY LIAISON OFFICER			
10	Provide the sum of R58 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 the duration (9 months)	Item	58 500 (00
11	Add: Profit on above	Item		
12	Add: Attendance on above	Item		
	Carried To Section Summary Section No. 5	R		
	Bill No. 1 Provisional Sums			

I			2022_011-TMT/	/DYA
			Amount	
SECTION NO. 5				
SECTION NO. 5				
PROVISIONAL SUMS				
SECTION SUMMARY		Dana		
		Page		
	Brought forward from page	75		
	Brought forward from page	76		
	Brought forward from page	77		
	Carried to Final Summary	R		
Section No. 5				
SECTION SUMMARY				
	78			

Section No.	FINAL SUMMARY	Page		2022_011-11417	
1	PRELIMINARIES	23			
2	DEMOLITIONS (PROVISIONAL)	29			
3	BUILDING WORKS	53			
4	EXTENAL WORKS (PROVISIONAL)	73			
5	PROVISIONAL SUMS	78			
	ADD: CONTINGENCIES			000 000	
	Allow the Amount of R290 000.00 (Two Hundred and Ninety Thousand Rands) for contingencies to be used by the Architect.			290 000	00
	SubTotal excluding Value Added Tax				
	ADD VAT @ 15%: Carried to Tender		R		
	FINAL SUMMARY				
	79				