ΓEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	SECTION 1				
	BILL NO. 1				
	PRELIMINARIES				
	MEANING OF TERMS "TENDER / TENDERER"				
	Any reference to the words "Tender" or "Tenderer" herein and/or in any other documentation shall be construed to have the same meaning as the words "Bid" or "Bidder"				
	PRELIMINARIES				
	The JBCC Preliminaries Code 2103, May 2005 edition for use with the JBCC Principal Building Agreement Edition 4.1 Code 2101, March 2005 is taken to be incorporated herein. The tenderer is deemed to have referred to these documents for the full intent and meaning of each clause. These clauses are referred to by number and heading only. Where standard clauses or options are not applicable to the contract such modifications or corrections as are necessary are given under each relevant clause. Where an item is not relevant to this specific contract such item is marked "N/A" signifying "Not Applicable"				
	PRICING OF PRELIMINARIES				
	Should Option A, as set out in clause B10.3.1 hereinafter be used for the adjustment of preliminaries then each item priced is to be allocated to one or more of the three categories Fixed, Value Related or Time Related and the respective amounts entered in the spaces provided under each item				
	Items not priced in these Preliminaries shall be deemed to be included elsewhere in these Bills of Quantities				
	SECTION A: JBCC PRINCIPAL BUILDING AGREEMENT				
	DEFINITIONS				
	No clause Fixed: Value related: Time related:	Item			
	OBJECTIVE AND PREPARATION				
1	A2.0 OFFER, ACCEPTANCE AND PERFORMANCE				
	Clause 2.0				
	Fixed: Value related: Time related:	Item			
2	A3.0 DOCUMENTS				
	Clause 3.0				
	Clause 3.2.1 is amended by replacing"14.1" with "14.0"				
	Clause 3.7 is amended by the addition of the following:				
	The contractor shall supply and keep a copy of the JBCC Series 2000 Principal Building Agreement and Preliminaries applicable to this contract on the site, to which the employer, principal agent and agents shall have access at all times				
	Carried Forward Section No. 1				
	SECTION 1 - PRELIMINARY AND GENERAL Bill No. 1 Preliminaries				

Brought Forward	
Clause 3.10 is amended by replacing the second reference to "principal agent" with the word "employer"	
No clause	
Fixed: Value related: Time related:	Item
A4.0 DESIGN RESPONSIBILITY	
Clause 4.0	
Clause 4.3 is amended by replacing it with the following:	
No clause	
No clause Fixed: Value related: Time related:	Item
A5.0 EMPLOYER'S AGENTS	
Clause 5.0	
Clause 5.1.2 is amended to include clauses 32.6.3, 34.3, 34.4 and 38.5.8	
Fixed: Value related: Time related:	Item
A6.0 SITE REPRESENTATIVE	
Clause 6.0	
Fixed: Value related: Time	Item
related:	
A7.0 COMPLIANCE WITH REGULATIONS	
Clause 7.0	
Note: A separate clause has been included in Section C : Specific Preliminaries of the bills of quantities / lump sum document for the contractor to have the opportunity to price for all the requirements of the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification	
Fixed: Value related: Time	Item
related:	
A8.0 WORKS RISK	
Clause 8.0	
Fixed: Value related: Time related:	Item
Carried Forward	
Section No. 1	
SECTION 1 - PRELIMINARY AND GENERAL Bill No. 1	
Preliminaries	

		Brought Forward			
A9.0 INDEMNIT	TIES				
Clause 9.0					
Fixed:	Value related:	Time	Item		
and/or damage consequent upo out in 10.7.1; 10 recovered from amounts still du presently or her contractor and f	oloyer shall be entitled to recove s of whatever nature suffered or on the contractor's default of his 0.7.2 and 10.7.3. Such losses of the contractor or by deducting the under this contract or under a reafter existing between the emptor this purpose all these contract indivisible whole	obligations as set r damages may be he same from any ny other contract bloyer and the			
Fixed:	Value related:	Time	Item		
A11.0 LIABILIT	TY INSURANCES				
Clause 11.0					
Fixed:related:	Value related:	Time	Item		
A12.0 EFFECT	ING INSURANCES				
Clause 12.0					
Fixed:	Value related:	Time	Item		
A13.0 No claus					
14.2, the emplo the contractor, i of security to the value certified in	e contractor fail to furnish the set over, in his sole discretion and w is entitled to change the contract at of a ten per cent (10%) payment in the payment certificate (exclud shall be applicable	ithout notification to tor's selected form ent reduction of the			
	Value related:	Time	Item		
related:					
Give the contra	ctor possession of the site within tractor complying with the terms				
Fixed:	Value related:	Time	Item		
A16.0 ACCESS	S TO THE WORKS				
Clause 16.0					
	Value related:	Time	Item		
related:					
		Carried Forward			
Section No. 1					
Bill No. 1	RELIMINARY AND GENERAL				
Preliminaries				1	

Brought Forward	t	
A17.0 CONTRACT INSTRUCTIONS		
Clause 17.0		
Clause 17.1.11 is amended by deleting the words "and the appointment of nominated and selected subcontractors"		
Fixed: Value related: Time related:	Item	
A18.0 SETTING OUT OF THE WORKS		
Clause 18.0		
Fixed: Value related: Time related:	Item	
A19.0 ASSIGNMENT		
Clause 19.0		
Fixed: Value related: Time related:	Item	
A20.0 NOMINATED SUBCONTRACTORS		
Clause 20.0		
Clause 20.1.3 is amended by replacing it with the following: No clause Note: See item B9.1 hereinafter for adjustment of attendance on nominated subcontractors executing work allowed for under provisional sums		
Fixed: Value related: Time related:	Item	
7 A21.0 SELECTED SUBCONTRACTORS		
Clause 21.0		
Clause 21 is amended by replacing it with:		
No clause		
Fixed: Value related: Time	Item	
related:		
A22.0 EMPLOYER'S DIRECT CONTRACTORS		
Clause 22.0		
Fixed: Value related: Time related:	Item	
A23.0 CONTRACTOR'S DOMESTIC SUBCONTRACTORS		
Clause 23.0		
	140	
Fixed: Value related: Time related:	Item	
Carried Forward	i	
Section No. 1		
SECTION 1 - PRELIMINARY AND GENERAL Bill No. 1		
Preliminaries		

	Brought Forwa	ard	
	COMPLETION		
20	A24.0 PRACTICAL COMPLETION		
	Clause 24.0		
	Fixed: Value related: Time	Item	
	related:		
21	A25.0 WORKS COMPLETION		
	Clause 25.0		
	Fixed: Value related: Time related:	Item	
22	A26.0 FINAL COMPLETION		
	Clause 26.0		
	Clause 26.1.2 is amended by inserting "#" next to 26.1.2		
	Fixed: Value related: Time	Item	
	related:		
23	A27.0 LATENT DEFECTS LIABILITY PERIOD		
	Clause 27.0		
	Fixed: Value related: Time related:	Item	
24	A28.0 SECTIONAL COMPLETION		
	Clause 28.0		
	Fixed: Value related: Time related:	Item	
	A29.0 REVISION OF DATE FOR PRACTICAL COMPLETION		
	Clause 29.0		
	Clause 29.2.5 is amended by replacing it with:		
	No clause		
	Fixed: Value related: Time	Item	
	related:		
	A30.0 PENALTY FOR NON-COMPLETION		
	Clause 30.0		
	Fixed: Value related: Time related:	Item	
	<u>PAYMENT</u>		
	Payment shall be subject to the employer giving the contractor a tax invoice for the amount due		
	Fixed: Value related: Time	Item	
	related:		
	Carried Forwa	ard	
	Section No. 1 SECTION 1 - PRELIMINARY AND GENERAL		
	Bill No. 1 Preliminaries		
	i reminitaties	1	

		Brought Forward	
A32.0 ADJUSTI	MENT TO THE CONTRACT	VALUE	
Clause 32.0			
	32.5.4 and 32.5.7 are amen the end of the sentence: due	-	
Fixed:related:	Value related:	Time	Item
A33.0 RECOVE	RY OF EXPENSE AND LO	SS	
Clause 33.0			
Fixed:related:	Value related:	Time	Item
A34.0 FINAL A	CCOUNT AND FINAL PAYN	MENT	
Clause 34.0			
Clause 34.1 is a	amended by removing "#" ne	xt to 34.1	
Clause 34.2 is a	nmended by inserting "#" nex	tt to 34.2	
a fixed construct	nmended by deleting the wor tion guarantee in terms of 14 ent reduction has been applie	1.4 has been selected	
with "twenty-one	amended by replacing "seve e (21) calendar days" and de employer giving the contracto	leting the words	
Fixed:	Value related:	Time	Item
A35.0 PAYMEN	IT TO OTHER PARTIES		
Clause 35.0			
Fixed:related:	Value related:	Time	Item
CANCELLATIO	<u></u>		
A36.0 CANCEL	LATION BY EMPLOYER - 0	CONTRACTOR'S	
Clause 36.0			
Clause 36.1 is a	amended by the addition of the	ne following clauses:	
36.1.3 refuses o	or neglects to comply strictly ntract	with any of the	
	eing sequestrated, liquidated olvency laws in force within t		
	lgement of the employer, has actices in competing for or in		
	amended by removing the rei se words "principal agent" wit		
Section No. 1 SECTION 1 - PR Bill No. 1 Preliminaries	RELIMINARY AND GENERA	Carried Forward	

Brought Forward		
36.7 Notwithstanding any clause to the contrary, on cancellation of this agreement either by the employer or the contractor; or for any reason whatsoever, the contractor shall on written instruction, discontinue with the works on a date stated and withdraw himself from the site. The contractor shall not be entitled to refuse to withdraw from the works on the grounds of any lien or right of retention or on the grounds of any other right whatsoever		
Clause 37.0 is amended by the addition of the following clause: 37.5 Notwithstanding any clause to the contrary, on cancellation of this agreement either by the employer or the contractor; or for any reason whatsoever, the contractor shall on written instruction, discontinue with the works on a date stated and withdraw himself from the site. The contractor shall not be entitled to refuse to withdraw from the works on the grounds of any lien or right of retention or on the grounds of any other right whatsoever		
Fixed: Value related: Time related:	Item	
38.7 Notwithstanding any clause to the contrary, on cancellation of this agreement either by the employer or the contractor; or for any reason whatsoever, the contractor shall on written instruction, discontinue with the works on a date stated and withdraw himself from the site. The contractor shall not be entitled to refuse to withdraw from the works on the grounds of any lien or right of retention or on the grounds of any other right whatsoever		
Fixed: Value related: Time related:	Item	
A39.0 CANCELLATION - CESSATION OF THE WORKS Clause 39.0 Clause 39.3.5 is amended by the addition of the following at the end of the sentence: within one hundred and twenty (120) working days of completion of such a report Fixed:	ltem	
<u>DISPUTE</u>		
A40.0 DISPUTE SETTLEMENT		
Clause 40.0 Clause 40.2.2 is amended by replacing "one (1) year" with "three (3) years" Clause 40.6 is amended by removing the reference to:		
No clause		
Clause 40.7.1 is amended by replacing "(10)" with "(15)" and by the addition of the following:		
Whether or not mediation resolves the dispute, the parties shall bear their own costs concerning the mediation and equally share the costs of the mediator and related costs		
Fixed: Value related: Time related:	Item	
Carried Forward		
Section No. 1 SECTION 1 - PRELIMINARY AND GENERAL		
Bill No. 1 Preliminaries		

	Brought Forward	d
	SUBSTITUTE PROVISIONS	
34	A41.0 STATE CLAUSES	
	Clause 41.0	
	Fixed: Value related: Time related:	Item
	CONTRACT VARIABLES	
35	A42.0 THE SCHEDULE (DPW-04EC)	
	Clause 42.0 Tenderers are referred to the Contract Data DPW-04(EC) for variables pertaining to this contract	
	Fixed: Value related: Time related:	Item
	SECTION B: JBCC PRELIMINARIES	
	B1.0 DEFINITIONS AND INTERPRETATION	
36	B1.1 Definitions and interpretation	
	See also clause A1.0 of Section A for additional and/or amended definitions which shall apply equally to this Section	
	Fixed: Value related: Time related:	Item
	B2.0 DOCUMENTS	
	B2.1 Checking of documents	
	Fixed: Value related: Time related:	Item
	B2.2 Provisional bills of quantities	
	Fixed: Value related: Time	Item
	related:	itom
39	B2.3 Availability of construction documentation	
	Fixed: Value related: Time related:	Item
40	B2.4 Interests of agents	
	Fixed: Value related: Time related:	Item
41	B2.5 Priced documents	
	Fixed: Value related: Time related:	Item
42	B2.6 Tender submission	
	Clause 2.6 is amended by replacing "JBCC Form of Tender" with "Form of Offer and Acceptance DPW-07(EC)"	
	Fixed: Value related: Time	Item
	related:	
	Carried Forward Section No. 1	d
	SECTION 1 - PRELIMINARY AND GENERAL Bill No. 1	
	Preliminaries	

		Brought Forward		
	B3.0 THE SITE			
13	B3.1 Defined works area			
	Fixed: Value related:	Time	Item	
	related:			
14	B3.2 Geotechnical investigation			
	Fire de Malera de la Companya de la	Ti	14	
	Fixed: Value related: related:	I ime	Item	
45	B3.3 Inspection of the site			
	Fixed:Value related:	Time	Item	
	related:			
46	B3.4 Existing premises			
	Fixed:Value related:	Time	Item	
	related:	Time	item	
17	B3.5 Previous work - dimensional accurac	ov.		
41	B3.3 Frevious Work - uniferisional accurac	-y		
	Fixed: Value related:	Time	Item	
	related:			
48	B3.6 Previous work - defects			
	Fixed: Value related:	Time	Item	
	related:			
49	B3.7 Services - known			
		_ .		
	Fixed: Value related: related:	I ime	Item	
50	B3.8 Services - unknown			
	Fixed: Value related:	Time		
	related:		Item	
51	B3.9 Protection of trees		nom	
	Fixed: Value related:	Time	Item	
	related:	i iiile	Item	
- 2	B3.10 Articles of value			
5 2	B3.10 Articles of Value			
	Fixed: Value related:	Time	Item	
	related:			
53	B3.11 Inspection of adjoining properties			
	Fixed: Value related:	Time	Item	
	related:			
	B4.0 MANAGEMENT OF CONTRACT			
54	B4.1 Management of the works			
	Fixed: Value related:	Time	Item	
	related:			
		Carried Forward		
	Section No. 1			
	SECTION 1 - PRELIMINARY AND GENERA Bill No. 1	AL		
	Preliminaries			

			Brought Forward		
55	B4.2 Programme fo	or the works			
	related:	_ Value related:	Time	Item	
6	B4.3 Progress mee	tings			
	Fixed:	_ Value related:	Time	Item	
	related:	_			
57	B4.4 Technical med	etings			
	Fixed:	Value related:	Time	lt a ma	
	related:	_ Value related:	i ime	Item	
-0	D451ahannandal				
οŏ	B4.5 Labour and pl	ant records			
		_ Value related:	Time	Item	
	related:	_			
		IOP DRAWINGS AND MA	NUFACTURERS'		
	INSTRUCTIONS				
59	B5.1 Samples of ma	aterials			
	Fixed:	Value related:	Time	Item	
	related:				
60	B5.2 Workmanship	samnles			
		·			
	Fixed: related:	Value related:	Time	Item	
		_			
31	B5.3 Shop drawing	S			
	Fixed:	Value related:	Time	Item	
	related:	_			
62	B5.4 Compliance w	rith manufacturers' instru	uctions		
	related:	Value related:	Time	Item	
	B6.0 TEMPORARY	WORKS AND PLANT			
63	B6.1 Deposits and	fees			
	Fixed:	Value related:	Time	Item	
	related:				
34	B6.2 Advertising				
- T					
	Fixed:related:	Value related:	Time	Item	
		_			
35	B6.3 Advertising				
	Fixed:	Value related:	Time	Item	
	related:				
66	B6.4 Plant, equipm	ent, sheds and offices			
		•	Time a	14 -	
	related:	Value related:	ı ime	Item	
			_		
	Section No. 1		Carried Forward		
		IMINARY AND GENERAL			
	Bill No. 1				
	Preliminaries				

~~	D0 5 Mail	1	Brought Forward		
0/	B6.5 Main notice bo	oard			
	Fixed:related:	Value related:	Time	Item	
.0					
ხ	B6.6 Subcontractor				
	Fixed:related:	Value related:	Time	Item	
	B7.0 TEMPORARY	<u>SERVICES</u>			
69	B7.1 Location				
		_ Value related:	Time	Item	
	related:	_			
70	B7.2 Water				
		_ Value related:	Time	Item	
	related:	_			
71	B7.3 Electricity				
		_ Value related:	Time	Item	
	related:	_			
72	B7.4 Telecommunic	cation facilities			
		_ Value related:	Time	Item	
	related:	_			
73	B7.5 Ablution facilit	ies			
		_ Value related:	Time	Item	
	related:	_			
	B8.0 PRIME COST A	AMOUNTS			
74	B8.1 Responsibility	for prime cost amounts			
	Fixed:	_ Value related:	Time	Item	
	related:				
	B9.0 ATTENDANCE	ON N/S SUBCONTRACT	<u>rors</u>		
75	B9.1 General attend	lance			
-			Timo	ltor	
	related:	_ Value related: 	i ime	Item	
76	B9.2 Special attenda	ance			
•			Timo	ltor	
	related:	_ Value related: 	i ime	Item	
77	B9.3 Commissionin	g - fuel, water and electr	icity		
•		<u>-</u>	-		
	related:	_ Value related:	lime	Item	
	B10.0 FINANCIAL A				
78	_	es, duties and levies			
	Fixed:related:	_ Value related:	Time	Item	
		_	Carried Forward		
	Section No. 1 SECTION 1 - PRELII	MINARY AND GENERAL			
	Bill No. 1				
	Preliminaries				

			Brought Forward		
79	B10.2 Payment fo	or preliminaries			
		Value related:	Time	Item	
	related:				
80	B10.3 Adjustmen	t of preliminaries			
	Fixed:	Value related:	Time	Item	
	related:				
81	B10.4 Payment c	ertificate cash flow			
	Eivod:	Value related:	Timo	Item	
	related:		111116	item	
	B11.0 GENERAL				
82	B11.1 Protection	of the works			
		Value related:	Time	Item	
	related:				
		/ isolation of existing / s	sectionally occupied		
	works				
		Value related:	Time	Item	
	related:				
84	B11.3 Security of	f the works			
	Fixed:	Value related:	Time	Item	
	related:				
85	B11.4 Notice befo	ore covering work			
	Fixed:	Value related:	Time	Item	
	related:				
86	B11.5 Disturband	ce			
	Eivad	Value related:	Time	ltom	
	related:	value relateu 	Time	Item	
87	B11.6 Environme	ental disturbance			
· .	l list Environme	intal distalballoc			
	Fixed: related:	Value related:	Time	Item	
88	B11.7 Works clea	aning and clearing			
	Fixed:	Value related:	Time	Item	
	related:				
89	B11.8 Vermin				
	Fixed:	Value related:	Time	Item	
	related:				
90	B11.9 Overhand	work			
	Fixed:	Value related:	Time	Item	
	related:	valuo rolateu	111116	iloiii	
91	B11.10 Instruction	on manuals and guarante	ees		
- '		_			
	Fixed: related:	Value related:	Time	Item	
					
	Section No. 1		Carried Forward		
	SECTION 1 - PRE	ELIMINARY AND GENER	AL		
	Bill No. 1 Preliminaries				
- 1				i	i

92 B1	I1.11 As built in	nformation	Brought Forward	
	xed:	Value related:	Time	Item
	11.12 Tenant in			
		Value related:	Time	Item
	ated:	E OF VARIABLES		
	2.1 Schedule			
	xed:	Value related:	Time	Item
		ECIFIC PRELIMINARIES		
	ntract except wl	ns specific preliminary item here N/A (Not Applicable)		
5 C1	I.0 CONTRACT	DRAWINGS		
de	•	paragraph and delete whic ether the contract is based ument	• • •	
the and acc	e complete set be d for indicating quaint himself v	sued with the tender docur but serve as a guide only f the scope of the work to e with the nature and extent they are to be executed	or tendering purposes nable the tenderer to	
ind acc	dicating the full s quaint himself v	vings is issued with the ten scope of the work to enabl with the nature and extent they are to be executed	e the tenderer to	
ten	nderer he shall,	f the drawings not be clear before submitting his tend principal agent		
	xed:	Value related:	Time	Item
6 C2	2.0 GENERAL F	PREAMBLES		
(P\ (ht and sur	W371)" is obtain ttp://www.public id shall be read m document an	pecification of Materials an nable on the Department's works.gov.za/ under "Con in conjunction with the bill and be referred to for the full aterials to be used	s website sultants Guidelines"), s of quantities / lump	
Fix rela	ked: ated:	Value related:	Time	Item
7 C 3	3.0 TRADE NAM	MES		
bill dra use	ls of quantities / awn to the fact t ed subject to th	name for any product has / lump sum document, the that any other product of e e written approval of the p he closing date for submis	tenderer's attention is qual quality may be rincipal agent being	
			Carried Forward	
SE	ection No. 1 ECTION 1 - PRE II No. 1	ELIMINARY AND GENER		
	eliminaries			

Brought Forward rior written approval for an alternative product is not obtained, product described shall be deemed to have been tendered for		
ed: Value related: Time sted:	Item	
O IMPORTED MATERIALS AND EQUIPMENT here imported items are listed in the tender documents, the derer shall provide all the information called for, failing which price of any such item, materials or equipment shall be luded from currency fluctuations. (refer to Schedule of Imported terials and Equipment DPW-23(EC) to be completed by derer)		
withstanding any provisions elsewhere regarding the ustment of contract prices, the price of any item, material or ipment listed in terms of this clause shall be excluded from the ntract Price Adjustment Provisions (if applicable)		
ed: Value related: Time sted:	Item	
0 VIEWING THE SITE IN SECURITY AREAS		
e site is situated in a security area and the tenderer must ange with the unit commander or other responsible officer to ain permission to enter the site for tendering purposes		
ed: Value related: Time	Item	
0 COMMENCEMENT OF WORKS IN SECURITY AREAS		
nmencement of the works. Should the contractor fail to make the arrangements, admission to the site may be refused and any litional costs will be for the contractor's account		
ed: Value related: Time tted:	Item	
O ENTRANCE PERMITS TO SECURITY AREAS Is the works falls within a security area the contractor shall ain entrance permits for his personnel and workmen entering area and shall comply with all regulations and instructions ch may be issued from time to time regarding the protection of sons and property under the control of the Defence Force, ice or chief security officer		
ed: Value related: Time ted:	Item	
0 SECURITY CHECK OF PERSONNEL		
e principal agent may require the contractor to have his sonnel and workmen, or a certain number of them, security ssified		
the event of the principal agent requesting the removal of a son or persons from the works for security reasons, the tractor shall do so forthwith and shall thereafter ensure that the person or persons are denied access to the works and the and/or to any document or information relating to the works		
red: Value related: Time	Item	
Carried Forward		
ction No. 1		
sonnel and workmen, or a certain number of them, security saified the event of the principal agent requesting the removal of a son or persons from the works for security reasons, the stractor shall do so forthwith and shall thereafter ensure that the person or persons are denied access to the works and the and/or to any document or information relating to the works ted:	Item	_

Brought Forward			
C9.0 PROHIBITION ON TAKING OF PHOTOGRAPHS			
In terms of article 119 of the Defence Act, 44 of 1957, it is prohibited to sketch or to take photographs of any military site or installation or any building or civil works thereon or to be in possession of a camera or other apparatus used for taking of photographs except when authorized thereto by or on behalf of the Minister			
The same prohibition is also applicable to all correctional institutions in terms of article 44.1(e) of the Correctional Services Act 8 of 1959			
Fixed: Value related: Time related:	Item		
C10.1 AWARENESS CHAMPION			
Selection, appointment, briefing and making available of an Awareness Champion including provision of all relevant services, all in accordance with the HIV/AIDS Specification			
Fixed: Value related: Time related:	Item		
C10.2 AWARENESS WORKSHOPS			
Selection and appointment of a competent Service Provider approved by the principal agent, provision of a Service Provider Workshop Plan and a suitable venue, conducting of awareness workshops by means of traditional and/or modern multi-media techniques, including follow-up courses, making available all tuition material and performing assessment procedures, all in accordance with the HIV/AIDS Specification			
Fixed: Value related: Time related:	Item		
C10.3 POSTERS, BOOKLETS, VIDEOS, ETC. Provision, displaying, maintaining and replacing when necessary of four plastic laminated posters, booklets and educational videos, etc. for the duration of the construction period, all in accordance with the HIV/AIDS Specification			
Fixed: Time related: Time related:	Item		
C10.4 ACCESS TO CONDOMS			
Provision and maintenance of condom dispensers fixed in position, including male and female condoms, replenishing male and female condoms on a daily basis as required for the duration of the construction period, all in accordance with the HIV/AIDS Specification			
Fixed: Value related: Time related:	Item		
Carried Forward			
Section No. 1 SECTION 1 - PRELIMINARY AND GENERAL			
Bill No. 1			

Brought Forward			
C10.5 MONITORING			
Monitoring HIV/AIDS awareness of workers, providing the principal agent with access to information including making available all reports, thoroughly completed and reflecting the correct information, for the duration of the construction period and close out, all in accordance with the HIV/AIDS Specification			
Fixed: Value related: Time related:	Item		
C11.0 OCCUPATIONAL HEALTH AND SAFETY ACT			
The contractor shall comply with all the requirements set out in the Construction Regulations, 2003 issued under the Occupational Health and Safety Act, 1993 (Act No 85 of 1993)			
It is required of the contractor to thoroughly study the Health and Safety Specification that must be read together with and is deemed to be incorporated under this Section of the bills of quantities / lump sum document			
The contractor must take note that compliance with the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is compulsory. In the event of partial or total non-compliance, the principal agent, notwithstanding the provisions of clause A31.0 of Section A or any other clause to the contrary, reserves the right to delay issuing any progress payment certificate until the contractor provides satisfactory proof of compliance. The contractor shall not be entitled to any compensation of whatsoever nature, including interest. due to such delay of payment			
Provision for pricing of the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is made under this clause and it is explicitly pointed out that all requirements of the aforementioned are deemed to be priced hereunder and no additional claims in this regard shall be entertained			
Fixed: Value related: Time related:	Item		
C11.1 NOTIFICATION OF CONSTRUCTION WORK (Construction Regulation 3)			
The Contractor shall, before commencing work, notify the Department of Labour of the intended construction work in terms of Regulation 3. The Contractor shall submit the notification in writing, on the appropriate form, prior to commencement of work			
Fixed: Value related: Time related:	Item		
C11.2 HEALTH AND SAFETY PLAN (Construction Regulation 5.4)			
The Contractor shall provide and demonstrate to the Principal Agent a suitable and sufficiently documented health and safety plan based on the Act, Construction Regulations and the health and safety specification, which shall be applied from the date of commencement of and for the duration of the construction work. The Contractor shall ensure that a copy of the health and safety plan is available on request to an employee, inspector, sub contractor or principal agent all in terms of Regulation 5			
			1
Fixed: Value related: Time related: Carried Forward	Item		

			M	AWELENI JUNIOF	R SECONDARY	SCHOOL
1	Preliminaries	1		1	1	1

THE MVULA TRUST SAFE PROGRAMME -OMMITED

Brought Forward OT C11.3 REGISTRATION WITH THE COMPENSATION FUND	
(Construction Regulation 5.3 f)	
The Contractor shall provide proof of his registration and good	
standing with the Compensation Fund or a licensed compensation insurer prior to the commencement of work	
Fixed: Value related: Time	Item
related:	
8 C11.4 HEALTH AND SAFETY FILE (Construction Regulation 5.7)	
The Contractor shall ensure that a health and safety file, which shall include all documentation required in terms of the health and safety specification, the Act and the Construction Regulations, is opened and kept on site and made available to the Principal Agent or Inspector upon request. Upon completion of the works, the Contractor shall hand over a consolidated health and safety file to	
the principal agent Fixed: Value related: Time	Item
related:	inem
C11.5 SUPERVISION OF CONSTRUCTION WORK (SAFETY OFFICER) (Construction Regulation 6) The Contractor shall appoint a full-time competent employee in writing as the construction supervisor, with the duty of supervising the construction work. The Contractor shall appoint a full-time or part-time construction safety officer in writing to assist in the control of all safety related aspects on the site. Such appointments are required to ensure that at all times the requirements of the Act and Construction Regulations are adhered to. Refer to Regulation 6	
Fixed: Value related: Time related:	Item
0 C11.6 RISK ASSESSMENT AND SAFETY POLICY (Construction Regulation 7)	
Before commencing work the Contractor shall cause a risk assessment to be performed by a competent person appointed in writing and the risk assessment shall form part of the health and safety plan. A copy of the risk assessment shall be available on site at all times for inspection. The Contractor shall at all time carry out the works in a manner to avoid the risk of bodily harm to persons or risk of damage to any property. He shall take all precautions regarding training of employees in any hazards and the related work procedures, health and safety induction training of employees, visitors or any other persons entering the site and provide personal protective equipment to all employees and visitors to site which are necessary and adequate to eliminate any conditions which contribute to the risk of injury to persons or damage to property in terms of Regulation 7	
Fixed: Value related: Time related:	Item
1 C11.7 SIGNIFICANT HAZARDA IDENTIFICATION RISK ASSESSMENT PREPARED BY THE DESIGN CONSULTANTS	
The contractor shall allow for additional financial provision, if any, to take the necessary precautions regarding the significant hazards and risks identified and assessed by the design consultants	
Fixed: Value related: Time related:	Item
Carried Forward	
Section No. 1 SECTION 1 - PRELIMINARY AND GENERAL	
Bill No. 1	
Preliminaries	

	Brought Forward		
2 C11.	B ADDITIONAL FINANCIAL PROVISION		
to co Safet	Contractor shall allow for additional financial provision, if any, mply with the requirements of the Occupational Health and y Act (Act No 85 of 1993) and the Construction Regulations d there under which have not been specifically elsewhere ded		
Fixed relate	: Value related: Time d:	Item	
C11.	FALL PROTECTION PLAN (Construction Regulation 8)		
subm to en shall relev	contractor shall, before commencing any construction work it a fall protection plan identified all steps to be taken in order sure the continued adherence to the fall protection plan and include a risk assessment of all work carried out from an ant position. The fall protection plan shall form part of the n and safety plan and file F		
	Value related: Time d:	Item	
The constout w	to PHYSICAL AND PSYCHOLOGICAL FITNESS struction Regulation 8.2(b)) contractor and sub-contractors shall before commencing any ruction work submit proof of his employees that shall carried ork from an elevated position their physical and hological fitness. And shall be recorded in the health and		
Fixed	: Value related: Time d:	Item	
The work such such	contractor and sub-contractors shall ensure that all operated ers received training and been certified competent to operate vehicle, and are physical and psychological fit to operate construction vehicles and mobile plants. And shall be ded in the health and safety file		
	: Value related: Time d:	Item	
The const	2 TRAINING (Construction Regulation 8 (c)) contractor and sub-contractors shall, before commencing any ruction work, submit his training program of all his byees. This program shall from part of the health and safety		
	: Value related: Time d:	Item	
	3 DEMOLITION WORK (Construction Regulation 12)		
subm	contractor shall, before any demolition work shall carried out, it all method of demolition to be used. This method shall form if the health and safety plan and file.		
	: Value related: Time d:	Item	
	Carried Forward		
	on No. 1		
SEC [®]	TION 1 - PRELIMINARY AND GENERAL		
	ninaries		

	Ві	ought Forward			
C11.14 REMOV	VAL AND DISPOSAL OF ASBESTO gulation)	OS MATERIAL			
with the Department of NOTIFICATION PROTECTIVE AND STORAG	ontractor shall appoint a contractor the Labour as an AIA. The contractor moved the Contractor of the Contra	ust allow for; RSONAL ANSPORT			
Fixed:	Value related:	_ Time	Item		
related:					
	Carried Forward to Summary o	of Section No. 1			
Section No. 1					
SECTION 1 - P Bill No. 1	PRELIMINARY AND GENERAL				
Preliminaries					

SECTION SUMMARY - SECTION 1 - PRELIMINARY AND GENERAL	Page No		
1 Preliminaries	19		
	13		
Carried to Final Summary	,		

Note to Principal Contractor			
Prior to pricing the principal contractor must familiarize him/herself			
with the Occupational Health and Safety Act No. 85 Of 1993. Construction Regulations 2014, other relevant Regulations and Standards as well as project specific Health &Safety specifications.			
After pricing of the health and safety bill of quantities, the Principal			
Construction Regulations 2014 other relevant Regulations and			
Construction Regulations 2014, other relevant Regulations and Standards as well as project specific Health &Safety specifications. Failure, by the Tenderer, to sign the Certificate of Acquaintance may result in the Tender being deemed non- responsive.			
Notify the provincial director in writing of the commencement of	Item	1	
construction work with and including submission of a letter of receipt and acknowledgement of the aforementioned notice by the director of his/her representative	item	1	
Allow for the preparation and approval of project-specific H&S	Item	1	
Plan & File [CR 7(1)(a)] Allow for the implementation and maintenance of project-specific	Months	2	
Allow for the implementation and maintenance of project-specific H&S Plan & File. [CR 7]	Months	3	
Principal Contractor's time related obligations in respect of the OHS Act and Construction Regulations for the entire construction period.	Months	3	
Provision of full time Health and Safety Officer for the entire construction period.	Months	3	

	Brought Forward		
	Provide, supply and maintenance for each worker the following SANS approved personal protective equipment & clothing as per the site-specific risk assessments:		
7	Hard hats (high density polyethylene & 6-point lining)	No	20
3	Vests	No	10
9	Safety boots / shoes (steel-toe)	No	10
0	Safety gloves	No	10
1	Ear plugs/ muffs	No	10
2	Dust mask(at least FF2 type)	No	5
3	Respirators	No	1
4	Cloth Masks	No	1
5	Face shields	No	1
16	FFP1 surgical masks	No	25
7	Safety goggles	No	5
8	Temporary warning signs and symbols	No	5
19	Allow for pre-employment medical examinations	Item	1
20	Allow for exit medical examinations	Item	1
	SANS approved weld mesh type temporary barrier fencing 1,8m high covered with a net fixed to and including 100mm diameter gum poles set securely min 300mm deep in ground at max 3m spacing including excavation, backfilling, etc	Item	1
	Carried Forward to Summary of Section No. 2 Section No. 2 SECTION 2 - OHS AND ENVIROMENTAL MANAGEMENT Bill No. 1 OHS and Environmental Management		

BILL NO. 2			
HEALTH & SAFETY EDUCATION AND ENVIRONMENTAL MANAGEMENT			
Allow for all COVID-19 awareness training	Months	3	
COVID-19 HEALTH AND SAFETY WORK PRACTICES			
Symptom screening of all site visitors upon arrival	Months	3	
Carried Forward to Summary of Section No	. 2		
Section No. 2			
SECTION 2 - OHS AND ENVIROMENTAL MANAGEMENT Bill No. 2			

SECTION SUMMARY - SECTION 2 - OHS AND ENVIROMENTAL MANAGEMENT	Page No	
OHS and Environmental Management	22	
Health & Safety	23	
Carried to Final S	ummary	
Section No. 2	-	

ļ	BILL NO. 1			
ļ	DEMOLITION OF NON COMPLIANT ACCESS RAMPS			
\	/iew site			
5 F \	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			
(<u>General</u>			
6	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 littings 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			
E	Breaking up and removing			
F	Ramps	m2	5	
,	Steps	m2	2	
9	Slabs/walkways	m2	66	
Į	Faking down and removing			
1	Non compliant existing fence	m	50	
1	Demolishing and removing			
(One brick boundary or yard walls n.e 1,5m high	m	50	
E	Excavation in earth not exceeding 2m deep to remove foundations	m3	25	
E	Extra over bulk excavations in earth for breaking up and removing			
E	Extra over for removal of brickwork	m3	25	
E	Extra over for removal of unreinforced concrete	m3	18	
E	Extra over for removal of reinforced concrete	m3	18	
E	Extra over all excavations for carting away			
	Surplus material from demolitions and/or stock piles of rubble on site, to a dumping site to be located by the contractor	m3	25	
r	Clean out pit latrine by desludging including removal of all debris and waste including soild 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 acility. Contractor to price per seat	item	1	
	Carried Forward to Summary of Section No. 3			
	Section No. 3 SECTION 3 - DEMOLITIONS & ALTERATIONS			

BILL NO. 2			
<u>ALTERATIONS</u>			
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 salvageable from the alterations. 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 alteration purposes unless otherwise stated			
<u>General</u>			
The contractor shall carry out the whole of the works with as little mess and noise as possible and with a minimum of disturbance to tenants in the building and to adjoining premises and their tenants. He shall provide proper protection and provide, erect and remove when directed, any temporary tarpaulins that may be necessary during the progress of the works, all to the satisfaction of the principal agent			
Fttings, frames, linings, which are to be re-used shall be thoroughly overhauled before refixing including taking off, easing and rehanging, cramping up, re-wedging as required and making good cramps, dowels,, and oiling, adjusting and repairing ironmongery as necessary, replacing any glass damaged in removal or subsequently and stopping up all nail and screw holes with tinted plastic wood to match timber, unless otherwise described. Re-painting or re-varnishing is given separately			
With regard to building up of openings in existing walls, cement screeds and pavings, granolithic, tops of walls, shall be levelled and prepared for raising of brickwork			
Making good of finishes shall include making good of the brick and concrete surfaces onto which the new finishes are applied, where necessary			
The contractor will be required to take all dimensions affecting the existing buildings on the site and he will be held solely responsible for the accuracy of all such dimensions where used in the manufacture of new items (doors, windows, fittings)			
REMOVAL OF EXISTING WORK			
Taking out and removing piping, sanitary fittings, including disconnecting piping from fittings and making good floor and wall finishes (making good tiling and paintwork elsewhere)			
50mm Waste pipe.	m	3	
Remove VIP 200 Pit pedestal and prepare surface to receive new VIP 450 pedestal (VIP 450 pedestal elsewhere).	No	3	
NEW SANITARY FITTINGS			
Rust and corrosion resistant, UV-resistant polyethylene pedestals, urinals, basins. Product and colour to Principal Agent's approval:			
VIP 450 Pit pedestal complete with integral flap four times plugged to floor with and including 6 x 75mm masonry anchors	No	3	
Carried Forward			

	MAW	VELENI JUNIOR	SECONDARY	SCHOOI	
Alterations		1	I	I	j

THE MVULA TRUST SAFE PROGRAMME -OMMITED

	Brought Forward				
Franke Model TU101 or equal approved back wall mounted urinal:	flush valve/cistern flat				
SS-TU101-1830R Flat back stainless ste wall and floor mounted. manufactured from Stainless Steel, 0,9 mm gauge. Urinal to concealed sparge pipe and a 22 mm inleconex fitting for connecting to water inlet supplied). Urinal to include a tiling key to back to be fully sound deadened with verification. Outlet to be situated on the left recess for 40 mm chrome plated waste of	om Grade 304 (18/10) be supplied with a st with chrome plated (Connection fitting not sides and rear walls. The rmin proof bitumastic or right of the urinal with a	No	2		
4 Remove and replace Urinal with new		No	5		
NEW SANITARY PLUMBING					
PVC waste or vent pipes and fittings:					
5 50mm Waste pipe		No	3		
Extra for:					
50mm Bend.		No	2		
7 50mm Access bend.		No	1		
NEW BATHROOM FITTINGS					
Satin Grey Plastics or equal approved					
"Satin plastic N-SBIN-12-SA SHE Bin siz floor standing loose.	e 463 x 140 x 480mm,	No	8		
BOLTS:					
3 50mm Alu/Metal holder bat to hold vent pipe:	s against brick wall	No	57		
ALLOWANCE FOR TEMPORARY TOIL	<u>ETS</u>				
Allow for temporary toilets for use during	construction	Item	1	R150 000,00	R150 000,0
<u>METALWAORK</u>					
STEEL BALUSTRADING					
GALVANISED STEEL BALUSTRADING					
Welded balustrading to walkways					
Allow for Raking balustrading 1000mm h diameter handrail, fixed to detail	igh, complete with 50mm	m	15		
ON METAL SURFACES					
One coat alkyd based zinc phosphat premium quality polyurethane enamel pai					
1 To steel balustrades (both sides measure	ed)	m²	70		
Carried Forward to S	ummary of Section No. 3				
Section No. 3 SECTION 3 - DEMOLITIONS & ALTERA Bill No. 2 Alterations	ATIONS				

ALTERATIONS				
Demolitions	2	25		
Alterations	2	27		
	Outline Florida			
	Carried to Final Summary			_

BILL NO. 1			
<u>EARTHWORKS</u>			
SUPPLEMENTARY PREAMBLES			
General			
The quantities are provisional and will be re-measured upon completion of the works. The Contractor shall not use these quantities for ordering of materials. The Contractor must immediately notify the Quantity Surveyor if discrepancies are found between the quantities and/or descriptions in these Bills of Quantities and the Contractor's quantities measured from construction drawings and specifications.			
Nature of ground			
The required bulk earthworks and levelling have been measured under Section 2 (Bulk Earthworks) of these Bills of Quantities and would be complete at the time these foundation works are executed. The nature of the ground is thus compacted fill (as per latest Engineer's drawing) and where foundation excavations are deeper the nature of the ground is assumed to be loose sandy material, therefore "earth", but possibly interspersed with "soft rock" or "hard rock".			
Subterranean water			
No subterranean water is expected			
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.			
Filling			
Notwithstanding the reference to prescribed multiple handling in clause 2 page 10 of the Standard System of Measuring Building Work, prices for filling and backfilling shall include for all selection and any necessary multiple handling of material.			
Testing			
Prices for filling are to include for all necessary density tests in accordance with SABS 1200D and as prescribed by the Engineer and/or Principal Agent.			
SITE CLEARANCE			
Site clearance			
Stripping average 170mm thick layer of top soil and stockpiling on site	m2	50	
EXCAVATION, FILLING			
<u>EXCAVATIONS</u>			
Excavation in compacted earth not exceeding 2m deep			
Trenches Corried Forward	m3	25	
Carried Forward Section No. 4 SECTION 4 - BUILDING WORKS (EXTERNAL)			

Brought Forward			
Back excavation of vertical sides of excavations in earth for working space including backfilling compacted to 95% Mod AASHTO density			
Exceeding 1m and not exceeding 2m deep for building retaining walls,	m3	30	
Extra over for excavation in soft rock	m3	3	
Extra over for excavation in hard rock	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	14	
Risk of collapse of excavations			
Sides of trench and hole excavations not exceeding 1,5m deep	m2	85	
Keeping excavations free of water			
Keeping excavations free of all water other than subterranean water	Item	1	
De-watering of seepage water and water from other subterranean sources in excavations			
Provide pump with including maintenance and removal as per Principal Agents Approval	No	2	
Compaction of ground surfaces			
Compaction of natural or excavated ground surface under floors, including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% Mod AASHTO density	m2	46	
FILLING			
Earth filling (G7 material) supplied by the contractor in layers not exceeding 125mm thick and compacted to 98% Mod AASHTO density:			
Backfilling to trenches	m3	14	
Selected earth filling obtained from the excavations and/or prescribed stock piles on site, including haulage approximately 5km from the perimeter of the excavations or stock piles, compacted to 95% Mod AASHTO density			
Backfilling behind retaining walls	m3	30	
Over site to make up levels	m3	12	
Earth filling supplied by the contractor compacted to 90% Mod AASHTO density			
Landscape mounds, berms,	m3	12	
Filling of 150mm Gravel Wearing Course Compacted To 95% Mod AASHTO			
Over site to make up levels	m3	2	
Prescribed density tests on filling			
Modified AASHTO Density test Carried Forward Section No. 4	No	8	
SECTION 4 - BUILDING WORKS (EXTERNAL)			

Brought Forward			
SUBSOIL DRAINAGE			
Slotted PVC-U flexible drainage pipes			
Earth filling 300 x 300mm section of 20mm thick stone material surrounding 110mm uPVC pipe, supplied by the contractor compacted to 98% Mod AASHTO density:			
20mm Stone.	m3	3	
Membrane			
Geofabric filter blanket wrapped around stone with 150mm side and 300mm end laps, including stitching.	m2	54	
110mm Diameter perforated uPVC pipe surrounded with 300 x 300mm section of 20mm stone wrapped in A3 geotextile material.			
110mm uPVC pipe.	m	60	
Extra over fittings			
110mm Tee.	No	15	
110mm Y junction.	No	15	
SOIL POISONING			
Soil insecticide in accordance with SANS 5859			
Under floors including forming and poisoning shallow furrows against foundation walls, filling in furrows and ramming	m2	135	
To bottoms and sides of trenches	m2	85	
CONCRETE, FORMWORK AND REINFORCEMENT			
SUPPLEMENTARY PREAMBLES			
General			
The Concrete works shall be in accordance with the Engineer's specifications as per Annexures "Part D.9 - Concrete Specifications" and "Part D.10 - Industrial Floor Specifications" appended hereto. The Contractor is to notify the Principal Agent immediately if a conflict between the Engineer's Specification, Architectural Drawings and/or these Bills of Quantities are found.			
The quantities are provisional and will be re-measured upon completion of the works. The Contractor shall not use these quantities for ordering of materials. The Contractor must immediately notify the Quantity Surveyor if discrepancies are found between the quantities and/or descriptions in these Bills of Quantities and the Contractor's quantities measured from construction drawings and specifications.			
Components cast against excavated surfaces have not been measured or described separately and the Contractor is to ensure adequate allowance for casting against exacated surfaces are made within the relevant items.			
Concrete			
All exposed sharp corners to be chamfered 25 x 25mm unless otherwise indicated Carried Forward			
Section No. 4 SECTION 4 - BUILDING WORKS (EXTERNAL) Bill No. 1			

Brought Forward			
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 principal agent. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval of the principal agent. (Test cubes are measured provisionally and separately) Descriptions of form work 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			
<u>Finishing</u>			
Finishing the surfaces of surface beds and slabs level and smooth to receive screed, grano or any other finish are deemed to be included in the rate for the surface bed or slab. Mesh reinforcement			
Mesh reinforcement is measured net, contractor to take condideration of lapping			
UNREINFORCED CONCRETE CAST ON/IN FORMWORK			
15MPa/20mm concrete in:			
Surface blinding under footings and bases	m3	2	
REINFORCED CONCRETE			
25MPa/19mm concrete			
Stripfootings	m3	14	
TEST CUBES			
Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	3	
CONCRETE SUNDRIES			
Finishing top surfaces of concrete smooth with a power float with high quality "ABC Plate" floor hardener applied at a rate of 7kg/m² in accordance with the Engineer's guidelines			
Surface beds and ramps	m2	5	
Carried Forward			
Section No. 4 SECTION 4 - BUILDING WORKS (EXTERNAL)			

Brought Forward			
ROUGH FORMWORK (DEGREE OF ACCURACY II)			
Rough formwork to sides			
Strip footing and ramps (Provisional)	m2	4	
MOVEMENT JOINTS			
Isolation joints formed of 20 x 12mm deep silicone sealant, backing rope and closed cell polyurethane joint former			
Between concrete surface bed and/or raft foundation and brick walls.	m	85	
Saw-cut joints			
3 x 50mm deep Saw-cut joints in top of concrete filled with an approved semi-rigid sealer	m	25	
REINFORCEMENT			
Provision for high tensile steel reinforcement			
Varying diameters in bases and structural concrete work	t	1	
MASONRY			
SUPPLEMENTARY PREAMBLES			
BRICKWORK			
General			
The quantities are provisional and will be re-measured upon completion of the works. The Contractor shall not use these quantities for ordering of materials. The Contractor must immediately notify the Quantity Surveyor if discrepancies are found between the quantities and/or descriptions in these Bills of Quantities and the Contractor's quantities measured from construction drawings and specifications.			
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			
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			
Carried Forward			
Section No. 4 SECTION 4 - BUILDING WORKS (EXTERNAL) Bill No. 1			

Brought Forward			
BRICKWORK			
FOUNDATIONS (PROVISIONAL)			
Brickwork of NFX bricks (14 MPa nominal compressive strength) in Class I mortar (Cement to be 42.5N all purpose cement):			
One brick walls	m2	14	
SUPERSTRUCTURE			
Brickwork of NFP bricks (14 MPa nominal compressive strength) in Class II mortar (Cement to be 42.5N all purpose cement). Open perp. @ 1540 centres parallel with drainage pipe			
One brick walls	m2	86	
FACE BRICKWORK			
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)			
One brickwall faced on both sides.	m2	95	
Brick-on-edge header course copings 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:			
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	85	
BRICKWORK SUNDRIES			
Brickwork reinforcement			
150mm Wide reinforcement built in horizontally every second course	m	560	
Carried to Final Summary			
Section No. 4			
SECTION 4 - BUILDING WORKS (EXTERNAL) Bill No. 1			

BILL NO. 1			
STORMWATER			
SUPPLEMENTARY PREAMBLES			
<u>General</u>			
These quantities are measured in accordance with SANS 1200 Specifications.			
The Contractor is to notify the Principal Agent immediately if a conflict between the Engineer's Specification, Architectural Drawings and/or these Bills of Quantities are found.			
The quantities are provisional and will be re-measured upon completion of the works. The Contractor shall not use these quantities for ordering of materials. The Contractor must mmediately notify the Quantity Surveyor if discrepancies are ound between the quantities and/or descriptions in these Bills of Quantities and the Contractor's quantities measured from construction drawings and specifications.			
The total amount for the works should be included in the Tender amount.			
CONCRETE STORMWATER DISH DRAIN			
EXCAVATIONS			
Excavation in compacted earth not exceeding 2m deep			
Excavation in earth not exceeding 2m deep for trenches	m3	12	
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	4	
Risk of collapse of excavations			
Risk of collapse of sides of excavations not exceeding 1,5m deep	m2	10	
Compaction of ground surfaces			
Compaction of natural or excavated ground surface under floors, including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% Mod AASHTO density	m2	24	
FILLING			
Earth filling (G7 material) supplied by the contractor in layers not exceeding 125mm thick and compacted to 98% Mod AASHTO lensity:			
Backfilling to trenches	m3	4	
Over site of Selected Subgrade G5 material in accordance with SABS 1 200 DM in layers not exceeding 150mm thick and compacted to 95% Mod AASHTO density.			
Backfilling to Trenches	m3	4	
Filling of 150mm Gravel Wearing Course Compacted To 95% Mod			
AASHTO Carried Forward			

7	Brought Forward Over site to make up levels	m3	2	
	Prescribed density tests on filling			
8	Modified AASHTO Density test	No	2	
	REINFORCED CONCRETE			
	25MPa/19mm concrete			
9	25MPa/19mm reinforced concrete in bottoms and sides	m3	4	
	CONCRETE SUNDRIES			
	Finishing top surfaces of concrete smooth with a power float with high quality "ABC Plate" floor hardener applied at a rate of 7kg/m² in accordance with the Engineer's guidelines			
0	Finishing concrete bottoms smooth with a steel trowel to falls	m2	24	
	ROUGH FORMWORK (DEGREE OF ACCURACY II)			
	Rough formwork to sides			
	Formwork to edges, risers, ends and reveals not exceeding 300mm wide or high	m2	10	
2	Smooth formwork to sides above sloping bottoms	m2	10	
	MOVEMENT JOINTS			
	Isolation joints formed of 10 x 12mm deep silicone sealant, backing rope and closed cell polyurethane joint former			
	Expansion joints with soft board through concrete bottoms not exceeding 300mm high	m	10	
	Expansion joints with soft board through concrete sides of channels not exceeding 300mm wide	m	10	
	REINFORCEMENT			
- 1	Type 617 fabric reinforcement in concrete placed 40mm from the Top	m2	24	
	Angle section galvanised steel bearers with flat section bent lugs each welded, including embedding in concrete	kg	30	
7	Extra over for mitred and welded L-intersection	No	2	
	CONCRETE STORMWATER V DRAIN			
	EXCAVATIONS			
	Excavation in compacted earth not exceeding 2m deep			
8	Excavation in earth not exceeding 2m deep for trenches	m3	23	
	Risk of collapse of excavations			
9	Risk of collapse of sides of excavations not exceeding 1,5m deep	m2	44	
	Compaction of ground surfaces			
	Compaction of natural or excavated ground surface under floors, including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% Mod AASHTO density Carried Forward	m2	47	
	Section No. 5 SECTION 5 - EXTERNAL WORKS Bill No. 1			

Brought Forward			
FILLING			
Earth filling (G7 material) supplied by the contractor in layers not exceeding 125mm thick and compacted to 98% Mod AASHTO density:			
Backfilling under floors	m3	7	
Over site of Selected Subgrade G5 material in accordance with SABS 1 200 DM in layers not exceeding 150mm thick and compacted to 95% Mod AASHTO density.			
under floors	m3	7	
Prescribed density tests on filling			
Modified AASHTO Density test	No	3	
REINFORCED CONCRETE			
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			
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	m	55	
Extra for 700mm angle	m	10	
Extra for forming 200mm thick 700mm wide spreader with 200mm high edges fanning out to 1 960mm width at furthest end with hard burnt bricks pitching cast in ass diffusers including working off concrete to a smooth finish and draining onto natural ground with 150 - 200mm diameter loose stones.	No	1	
CONCRETE SUNDRIES			
Finishing top surfaces of concrete smooth with a power float with high quality "ABC Plate" floor hardener applied at a rate of 7kg/m² in accordance with the Engineer's guidelines			
Finishing concrete bottoms smooth with a steel trowel to falls	m2	47	
TEST CUBES			
Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	6	
Carried Forward			
Section No. 5 SECTION 5 - EXTERNAL WORKS Bill No. 1			

Brought Forward CULVERTS			
Supply and Lay Concrete Pipe Culverts on class B bedding:			
Class 50-D-load pipes with U joints:			
450mm Diameter Concrete pipe laid in trenches not exceeding 1m deep including excavation, backfill, bedding, cart away and compaction.	m	2	
HEADWALLS EXCAVATIONS			
Excavation in compacted earth not exceeding 2m deep			
Excavation in earth not exceeding 2m deep for trenches	m3	3	
Risk of collapse of excavations			
Risk of collapse of sides of excavations not exceeding 1,5m deep	m2	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	
Keeping excavations free of water			
Keeping excavations free of all water other than subterranean water	Item	1	
Compaction of ground surfaces			
Compaction of natural or excavated ground surface under floors, including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% Mod AASHTO density	m2	4	
FILLING			
Earth filling (G7 material) supplied by the contractor in layers not exceeding 125mm thick and compacted to 98% Mod AASHTO density:			
Backfilling to trenches	m3	1	
Selected Subgrade G5 material in accordance with SABS 1 200 DM in layers not exceeding 150mm thick and compacted to 95% Mod AASHTO density.			
Under floors	m3	1	
Prescribed density tests on filling			
Modified AASHTO Density test	No	1	
REINFORCED CONCRETE			
25MPa/19mm concrete			
25Mpa/19mm Reinforced concrete in bottom slabs and footings	m3	1	
CONCRETE SUNDRIES			
Finishing top surfaces of concrete smooth with a power float with high quality "ABC Plate" floor hardener applied at a rate of 7kg/m² in accordance with the Engineer's guidelines			
Finishing concrete bottoms smooth with wood float Carried Forward	m2	2	
Section No. 5			

			MAW	MAWELENI JUNIOR SECONDARY SC				
	Stormwater]	I	I		

THE MVULA TRUST SAFE PROGRAMME -OMMITED

	Brought Forward			
Į	ROUGH FORMWORK (DEGREE OF ACCURACY II)			
٠	Rough formwork to sides			
	Formwork to edges, risers, ends and reveals not exceeding 300mm wide or high	m2	5	
0	Rough formwork to sides			
	REINFORCEMENT			
	Weld Mesh Ref 193 in Concrete bottom slab	m2	5	
11	MASONRY			
	SUPPLEMENTARY PREAMBLES			
	SUPERSTRUCTURE			
	Brickwork of NFP bricks (14 MPa nominal compressive strength) in Class II mortar (Cement to be 42.5N all purpose cement). Open perp. @ 1540 centres parallel with drainage pipe			
42	One brick walls	m2	2	
	BRICKWORK SUNDRIES			
	Brickwork reinforcement			
43	150mm Wide reinforcement built in horizontally every second course	m	12	
	PLASTERING			
	EXTERNAL PLASTER			
	Cement plaster wood floated, on brickwork			
44	On walls	m2	2	
	Gabion Mattress			
45	Gabion mattress comprising of 20 to 30mm stones wrapped in A3 geotextile with voids filled with 1:3 cement/sand mortar.	m2	2	
	<u>Manholes</u>			
16	Manholes to engineers specification	No	5	
	0			
	Carried Forward to Summary of Section No. 5			
	Section No. 5 SECTION 5 - EXTERNAL WORKS Bill No. 1 Stormwater			

BILL NO. 2			
<u>APRONS</u>			
SUPPLEMENTARY PREAMBLES			
General These quantities are measured in accordance with SANS 1200 Specifications.			
The Contractor is to notify the Principal Agent immediately if a conflict between the Engineer's Specification, Architectural Drawings and/or these Bills of Quantities are found.			
The quantities are provisional and will be re-measured upon completion of the works. The Contractor shall not use these quantities for ordering of materials. The Contractor must immediately notify the Quantity Surveyor if discrepancies are found between the quantities and/or descriptions in these Bills of Quantities and the Contractor's quantities measured from construction drawings and specifications.			
The total amount for the works should be included in the Tender amount.			
CONCRETE APRONS			
<u>EXCAVATIONS</u>			
Excavation in compacted earth not exceeding 2m deep			
Excavation in earth not exceeding 2m deep for trenches	m3	12	
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	4	
Risk of collapse of excavations			
Risk of collapse of sides of excavations not exceeding 1,5m deep	m2	24	
Compaction of ground surfaces			
Compaction of natural or excavated ground surface under floors, including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% Mod AASHTO density	m2	40	
FILLING			
Earth filling (G7 material) supplied by the contractor in layers not exceeding 125mm thick and compacted to 98% Mod AASHTO density:			
Under floors	m3	6	
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.			
Under floors	m3	6	
Coarse river sand filling supplied by the contractor:			
Under floors	m3	1	
Carried Forward Section No. 5 SECTION 5 - EXTERNAL WORKS			

Prescribed density tests on filling Modified AASHTO Density test	No	3	
REINFORCED CONCRETE	INO	3	
25MPa/19mm concrete			
Surface beds cast in panels on waterproofing	m3	4	
Edge thickening	m3	2	
CONCRETE SUNDRIES		-	
Finishing top surfaces of concrete smooth with a power float with			
high quality "ABC Plate" floor hardener applied at a rate of 7kg/m² in accordance with the Engineer's guidelines			
Finishing concrete bottoms smooth with a steel trowel to falls	m2	40	
TEST CUBES			
Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	1	
ROUGH FORMWORK (DEGREE OF ACCURACY II)			
Rough formwork to sides			
Formwork to edges, risers, ends and reveals not exceeding 300mm wide or high	m2	6	
Expansion joints with bitumen impregnated softboard between vertical concrete or brick surfaces:			
12mm Joints not exceeding 300mm high	m	40	
Two-part grey polysulphide sealing compound including backing cord, bond breaker, primer, etc			
10 x 12mm In movement joints in floors or walls including raking out expansion joint filler as necessary.	m	27	
REINFORCEMENT			
REF. 395 fabric reinforcement in concrete surface beds, slabs, etc.	m2	40	
WATERPROOFING			
350 Micron USB orange polyethylene dampproof membrane in accordance with SABS 952 Type C laid on sand bed (elsewhere measured)	m2	44	
SOAKAWAY			
<u>EXCAVATIONS</u>			
Excavation in compacted earth not exceeding 2m deep			
Excavation in earth not exceeding 2m deep for holes	m3	16	
Risk of collapse of excavations			
Risk of collapse of sides of excavations not exceeding 1,5m deep	m2	16	
Compaction of ground surfaces			
Thoroughly compact backfilling materials Carried Forward Section No. 5 SECTION 5 - EXTERNAL WORKS	m2	16	

	Brought Forward			
	Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 90% Mod AASHTO density			
	Backfilling to holes	m3	8	
	Earth filling with stone material supplied by the contractor:			
2	Under floors	m3	8	
	Coarse river sand filling supplied by the contractor:			
23	Stone (>63mm)	m3	8	
	<u>Membranes</u>			
24	Bidim Geotextile or equal approved, lined on all sides including the top and bottom faces	m2	48	
	<u>Tests</u>			
25	Percolation tests	Item	1	
	Carried Forward to Summary of Section No. 5			
	Section No. 5			
	SECTION 5 - EXTERNAL WORKS Bill No. 2			
	Aprons		I	I

BILL NO. 3			
<u>walkways</u>			
SUPPLEMENTARY PREAMBLES			
General			
These quantities are measured in accordance with SANS 1200 Specifications.			
The Contractor is to notify the Principal Agent immediately if a conflict between the Engineer's Specification, Architectural Drawings and/or these Bills of Quantities are found.			
The quantities are provisional and will be re-measured upon completion of the works. The Contractor shall not use these quantities for ordering of materials. The Contractor must immediately notify the Quantity Surveyor if discrepancies are found between the quantities and/or descriptions in these Bills of Quantities and the Contractor's quantities measured from construction drawings and specifications.			
The total amount for the works should be included in the Tender amount.			
CONCRETE WALKWAY			
<u>EXCAVATIONS</u>			
Excavation in compacted earth not exceeding 2m deep			
Excavation in earth not exceeding 2m deep for trenches	m3	28	
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	17	
Risk of collapse of excavations			
Risk of collapse of sides of excavations not exceeding 1,5m deep	m2	55	
Rip and Re - compact insitu material on site compacted to 93% Mod. AASHTO density:			
Under floors	m2	66	
FILLING			
Earth filling (G7 material) supplied by the contractor in layers not exceeding 125mm thick and compacted to 98% Mod AASHTO density:			
Under floors	m3	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.			
Under floors	m3	20	
Coarse river sand filling supplied by the contractor:			
Under floors	m3	2	
Carried Forward Section No. 5			

	Brought Forward			
rescribed density tests	s on filling			
Modified AASHTO Den	sity test	No	4	
SOIL POISONING				
	termite soil poison applied by a Registered and guaranteed against termite infestation			
reat filling under pavin	g with 'Chlordane Heptachlor Aldrin' or	m2	121	
50-175mm Tanalith Treatment	reated Gum Pole. poles not allowed to be			
	reated gum pole planted 800mm deep cartaways, concrete base etc	No	29	
CONCRETE TO WALK	<u>(WAYS</u>			
Construction of paving	<u>complete</u>			
25MPa/19mm concrete				
Valkways		m3	10	
Reinforcement (Provision	onal)			
REF. 395 fabric reinford	cement in concrete infill, strip footings.	m²	66	
est blocks:				
Making and testing of 1 cubes (Provisional).	50x150x150mm concrete strength test	No	4	
Expansion joints with bi rertical concrete or bric	tumen impregnated softboard between k surfaces:			
2mm Joints not excee	ding 300mm high.	m	55	
wo-part grey polysulphord, bond breaker, prin	nide sealing compound including backing mer, etc			
0 x 12mm In moveme out expansion joint filler	nt joints in floors or walls including raking ras necessary.	m	55	
Vaterproofing under Su	urface beds			
	e polyethylene dampproof membrane in 952 Type C laid on sand bed (elsewhere	m²	66	
	.			
	Carried Forward			
Section No. 5 SECTION 5 - EXTERN Valkways Bill No. 3	AL WORKS			

Brought Forward		
Carried Forward to Summary of Section No. 5		
Section No. 5		
SECTION 5 - EXTERNAL WORKS		
Walkways		
Bill No. 3		

BILL NO. 4			
RAMPS_			
Compaction of ground surfaces			
Compaction of natural or excavated ground surface under floors, including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% Mod AASHTO density	m2	5	
FILLING			
Earth filling (G7 material) supplied by the contractor in layers not exceeding 125mm thick and compacted to 98% Mod AASHTO density:			
Under floors	m3	1	
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.			
Under floors	m3	1	
Prescribed density tests on filling			
Modified AASHTO Density test	No	1	
REINFORCED CONCRETE			
25MPa/19mm concrete			
Ramps, Landings	m3	3	
CONCRETE SUNDRIES			
Finishing top surfaces of concrete smooth with a wood float:			
Surface beds, slabs to falls and currents	m2	5	
TEST CUBES			
Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	1	
ROUGH FORMWORK (DEGREE OF ACCURACY II)			
Rough formwork to sides			
Formwork to edges, risers, ends and reveals not exceeding 300mm wide or high	m2	4	
MOVEMENT JOINTS			
Expansion joints with bitumen impregnated softboard between vertical concrete or brick surfaces:			
12mm Joints not exceeding 300mm high	m	3	
Two-part grey polysulphide sealing compound including backing cord, bond breaker, primer, etc			
10 x 12mm In movement joints in floors or walls including raking out expansion joint filler as necessary.	m	3	
Carried Forward			
Section No. 5			

Brough	nt Forward		
REINFORCEMENT			
REF. 395 fabric reinforcement in concrete surface beds,	slabs, etc. m2	5	
WATERPROOFING			
350 Micron USB orange polyethylene dampproof membraccordance with SABS 952 Type C laid on sand bed (els measured)	rane in m2 sewhere	5	
Carried Forward to Summary of Sec	ction No. 5		
Section No. 5			
SECTION 5 - EXTERNAL WORKS Ramps Bill No. 4			

BILL NO. 5			
FENCING			
SUPPLEMENTARY PREAMBLES			
<u>General</u>			
These quantities are measured in accordance with SANS 1200 Specifications.			
The Contractor is to notify the Principal Agent immediately if a conflict between the Engineer's Specification, Architectural Drawings and/or these Bills of Quantities are found.			
The quantities are provisional and will be re-measured upon completion of the works. The Contractor shall not use these quantities for ordering of materials. The Contractor must immediately notify the Quantity Surveyor if discrepancies are found between the quantities and/or descriptions in these Bills of Quantities and the Contractor's quantities measured from construction drawings and specifications.			
The total amount for the works should be included in the Tender amount.			
FENCING			
Site clearance			
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	63	
Straining wires, fencing and razor wire:			
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	252	
3 Strands of galvanised barbed wire tied to standards, posts and eye bolts	m	189	
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	63	
Posts for 1 800mm high security fence			
60mm Diameter galvanised steel intermediate fencing post 2400mm long fitted with a pressed steel mushroom cap one end and 150 x 150 x 5 mm baseplate at bottom and embedded in and including 350 x 350 x 600 mm mass concrete (15 MPa) base	m	25	
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	2	
Carried Forward			
Section No. 5			

	Brought Forward		
	75mm Ditto as intermediate post - 1 dropper every 3000mm between standard posts	No	46
1	150mm Ditto as gate post 2 400mm long, fitted with two 50mm diameter galvanised steel stay set raking and with top end flattened and bolted through post, with post and stay both embedded in mass concrete (15 MPa) bases as last.	No	2
	12mm Diameter galvanised mild steel straining eye bolt with hook, threaded portion and two nuts and washers	No	8
10	Form 12mm diameter hole through fence post	No	8
	Gates		
11	Two leafed vehicular swing gate. Size 5500mm x 1800mm high.	No	2
	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	m	1
ļ	PADLOCKS		
13	Supply 50 mm "Viro" Padlocks and Keys (or equal approved	m	1
	ACCESS DRIVEWAY, ETC.		
	Excavation not exceeding 2m deep		
	Reducing levels and depositing excavated material in prescribed stock piles on site.	m³	35
	Extra over all excavations for loading, carting and dumping surplus excavated material (no allowance made for increase in bulk):		
15	Off site to a dumping site to be found by the Contractor.	m³	18
ŀ	Filling supplied by the contractor under driveways		
6	G7 Base course material compacted to 98% Mod AASHTO density	m³	6
	Rip and Re - compact insitu material on site compacted to 93% Mod. AASHTO density:		
17	Under floors,etc.	m²	40
	Approved brand of anti-termite soil poison applied by a Registered Pest Control Company and guaranteed against termite infestation for ten years:		
	Treat filling under paving with 'Chlordane Heptachlor Aldrin' or equal approved.	m²	40
	Supply and installation of gates to match fencing specifications (measured elsewhere) to be fixed flush by specialist according to manufacturer's instruction; including all necessary ironmongery and locking mechanisms		
19	Vehicular entrance gate 6000mm wide complete with motor.	No	1

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Carried Forward to Summary of Section No. 5		
Section No. 5 SECTION 5 - EXTERNAL WORKS Bill No.5		
Fencing		

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Fe	encing		49		
		Carried to Final Summary			
1		,			

SECTION NO. 6				
BILL NO. 1				
SITE PERSONNEL				
COMMUNITY LIAISON OFFICER				
Provide the sum of R22 500.00 for the employment of a Community Liaison Officer to be employed by the Main Contractor and be paid an allowance of R7 500.00 a month for the duration (3 months)	Item	1	R22 500,00	R22 500,00
Allow for Profit on above two items	%IT			
Coming to Final Community			ь	
Carried to Final Summary			R	
Section No. 6				
SECTION 6 - SOCIO ECONOMC DEVELOPMENT Bill No. 1				
Site Personnel				

SECTION NO. 7 BILL NO. 1 PROVISIONAL SUMS SUPPLEMENTARY PREAMBLES General The following Provisional Amounts are for work to be done by firms of specialists and will, unless expressly stated otherwise, be regarded as Selected Sub-contractors to the Contractor. The Contractor must assist in obtaining tenders and/or quotations from approved firms and submit them to the Agent/Representative for his approval. The tenderer's attention is drawn to Section 1: Preliminaries for further amplification of Provisional- and Prime Cost Amounts. Note: All provisional sums are "NETT". The profit and attendance on Nominated/Selected Subcontract allowances will be adjusted to take the of actual Final Account values of the respective Subcontracts into account. The adjustment factor will be the percentages calculated with reference to the BoQ allowances. Profit Where listed the contractor may allow for profit if required. The profit will be adjusted in the same ratio as the adjusted value of the subcontract. <u>Attendance</u> Without in any way limiting the meaning and interpretation, "general attendance" on sub-contractors shall include free of charge to the sub-contractor the following services for the purpose of the relative sub-contract works: 1) access to the site and to the places where the work is to be carried out, including the use of any temporary personnel hoists erected by the Contractor for his own use; 2) the provision of water and lighting and of single and/or three phase electric power to a position within 50 metres of the place where work is to be carried out, but excluding water, fuel and power for commissioning of the installation for which the Contractor shall be responsible: 3) the provision of an area for office accommodation, temporary workshops and for the storage of plant and materials; 4) the use of erected scaffolding belonging to the Contractor, in common with others having the like right whilst it so remains erected upon the site; 5) the use of messrooms, latrine, health and welfare facilities, and the like, where provided; 6) the use of the site telephone (if provided) subject to the payment by the sub-contractor for all his outgoing calls; 7) temporary casing and/or other protection of the work; 8) site security measures; **Carried Forward** Section No. 7 **SECTION 7 - PRIME COST AND PROVISIONAL SUMS** Bill No. 1 **Provisional Sums**

Brought Forward				
hoisting of the sub-contractor's material in loads not exceeding the available hoisting loads of cranes of the contractor;				
10) repairs and making good in all trades and final cleaning down on completion.				
Fuel, power and water for commissioning plant				
The cost of fuel, power and water for the commissioning of plant shall be borne by the sub-contractor appointed for the relevant sub-contract works in terms of the conditions under which they have/are contracted for the specialist work involved. The contractor shall allow opposite this item or under the relevant attendance items for the recovery of such costs via the installation of the necessary meters				
Work executed by direct contractors				
Work listed under the heading "Work executed by direct contractors" shall be executed before and during this contract and the tenderer must allow free access to the site for such other contractors. These contractors shall be directly paid by the client and the tenderer must allow for programming in conjunction with them to complete the project successfully within the contract period. The estimated values of these contracts are listed to enable the tenderer to determine the extent of the attendance if required. Profit on these contracts shall not be allowed.				
Budgetary allowances				
Budgetary allowances shall be re-measured and valued on the same pricing structure as the rest of the contract or shall be omitted in full if so required.				
Landscaping and Irrigation				
Provide the sum of R170 000. 00 for landscaping to be used as directed by the Principal Agent and deducted in whole or in part if not required.	Item	1	R170 000,00	R170 000
Allow for Profit if required	%IT			
Desludging of Pit Toilets				
Provide the sum of R120 000. 00 for Desludging of Pit Toilets to be used as directed by the Principal Agent and deducted in whole or in part if not required.	Item	1	R120 000,00	120000
Allow for Profit if required	%IT			
Carried to Final Summary				
				<u> </u>
Section No. 7				

THE MVULA TRUST SAFE PROGRAMME -OMMITED MAWELENI JUNIOR SECONDARY SCHOOL

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7	SECTION 7 - PRIME COST AND PROVISIONAL SUMS	53	 	
	Subtotal			
	CONTINGENCIES			
	Provide 5% for Construction Contingencies to be used at the discretion of the Principal Agent or deducted in whole or in part if not required			
	Sub-Total			
	Value Added Tax			
	ADD: Value added Tax at 15%			
	TOTAL			
	.			
	Carried to Form of Tender		R	