DEVELOPMENT BANK OF SOUTHERN AFRICA (DBSA)

IMPALA PRIMARY SCHOOL

	DESCRIPTION	UNIT	QUANTITY	RATE	TOTAL
	IMPALA HIGH SCHOOL				
	SECTION 1				
	PRELIMINARIES				
	BILL NO. 1				
	PRELIMINARIES				
	PRELIMINARIES NOTES				
	i) The JBCC Series 2000 Minor Works Agreement (Edition 5.2 dated 2024) prepared by the Joint Building Contract Committee shall be the applicable building agreement, amended as hereinafter described				
	ii) The ASAQS Preliminaries (November 2007 edition) published by the Association of South African Quantity Surveyors for use with the said JBCC Principal Building Agreement shall be deemed to be incorporated in these bills of quantities				
	iii) Tenderers are referred to the abovementioned documents for the full intent and meaning of each clause thereof (hereinafter referred to by heading and clause number only) for which such allowance must be made as may be considered necessary.				
	iv) Where standard clauses or alternatives are not entirely applicable to this contract such modifications, corrections or supplements as will apply are given under each relevant clause heading.				
	v) Where any item is not relevant to this specific contract such item is marked N/A (signifying "not applicable").				
	vi) If Alternative A as set out in clause B10.3 hereinafter is to be used for the adjustment of the preliminaries then each item priced is to be allocated to one or more of the three categories, by insertion of the letter "F", "V" or "T", as the case may be, against the price in the rate 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 in proportion to time.				
	SECTION A: PRINCIPAL BUILDING AGREEMENT				
	Definitions (A1)				
1	Definitions and interpretation (clause 1) F:..... V:..... T:.....	Item	1.00	R -	R -
	Objective and Preparation (A2 to A14)				
2	Offer acceptance and performance (clause 2) F:..... V:..... T:.....	Item	1.00	R -	R -
3	Documents (clause 3) Clause 3 will be deemed to be ammended by the addition of the following: The Bills of Quantities may not be used for the purposes of ordering materials F:..... V:..... T:.....	Item	1.00	R -	R -
4	Design responsibility (clause 4) F:..... V:..... T:.....	Item	1.00	R -	R -
5	Employer's agents (clause 5) F:..... V:..... T:.....	Item	1.00	R -	R -
6	Site representative (clause 6) F:..... V:..... T:.....	Item	1.00	R -	R -
7	Compliance with regulations (clause 7) F:..... V:..... T:.....	Item	1.00	R -	R -
8	Works risk (clause 8) F:..... V:..... T:.....	Item	1.00	R -	R -

9	Indemnities (clause 9) F:..... V:..... T:.....	Item	1.00	R	-	R	-
10	Works insurances (clause 10) F:..... V:..... T:.....	Item	1.00	R	-	R	-
11	Liability insurances (clause 11) F:..... V:..... T:.....	Item	1.00	R	-	R	-
12	Effecting insurance (clause 12) F:..... V:..... T:.....	Item	1.00	R	-	R	-
13	NO CLAUSE 13.	N/A					
14	Security (clause 14) F:..... V:..... T:.....	Item	1.00	R	-	R	-
16	Access to the works (clause 16) F:..... V:..... T:.....	Item	1.00	R	-	R	-
17	Contract instructions (clause 17) F:..... V:..... T:.....	Item	1.00	R	-	R	-
18	Setting out of the works (clause 18) Clause 18.1 will be deemed to be ammended by the addition of the following: "The contractor shall notify the principal agent if any encroachments of adjointing foundations, buildings, structures, pavements, boundries, etc. exist, in order that the necessary arrangements may be made for the rectification of any such encroachments" F:..... V:..... T:.....	Item	1.00	R	-	R	-
19	Assignment (clause 19) F:..... V:..... T:.....	Item	1.00	R	-	R	-
20	Nominated subcontractors (clause 20) F:..... V:..... T:.....	Item	1.00	R	-	R	-
21	Selected subcontractors (clause 21) F:..... V:..... T:.....	Item	1.00	R	-	R	-
22	Employer's Direct Contractors (clause 22) F:..... V:..... T:.....	Item	1.00	R	-	R	-
23	Contractor's Domestic Sub-Contractors (Clause 23) F:..... V:..... T:.....	Item	1.00	R	-	R	-
	<u>Completion (A24-A30)</u>						
24	Practical completion (clause 24) F:..... V:..... T:.....	Item	1.00	R	-	R	-
25	Works completion (clause 25) F:..... V:..... T:.....	Item	1.00	R	-	R	-
26	Final completion (clause 26) F:..... V:..... T:.....	Item	1.00	R	-	R	-
27	Latent defects liability period (clause 27) F:..... V:..... T:.....	Item	1.00	R	-	R	-
28	Sectional completion (clause 28) F:..... V:..... T:.....	Item	1.00	R	-	R	-

29	Revision of date of practical completion (clause 29) Clauses 29.1 & 29.2 will be deemed to be amended by the addition of the following: "In accessing the request to a revision of the date of practical completion, the principal agent will only grant an extension of time when the work on the critical path of the programme of the works is effected" Clauses 29.1.1 will be deemed to be amended by the addition of the following: "Exceptionally inclement weather, which shall only relate to weather with a degree of inclemency which is materially greater than or is materially beyond the average inclemency experienced in past years and/or recorded, in terms of available records or otherwise, at or for the area in which the site is situated, for the period(s) in question. Any revision of date for practical completion which may, in terms of this clause be allowed for exceptionally inclement weather, shall be related only to those periods of exceptionally inclement weather by which the average periods of time, during which exceptionally inclement weather is experienced and/or recorded in the area in which the site is situated, is exceeded. The contractor is therefore to make allowance for normal vagaries of the weather. In addition, the principal agent will regularly review the actual recorded on site monthly inclement rain weather records and will determine, together with the contractor, such credits due against previously granted extensions on the critical path due to inclement rain weather, for subsequent weather less severe than average" F:..... V:..... T:.....	Item	1.00	R	-	R	-
30	Penalty for non-completion (clause 30) F:..... V:..... T:.....	Item	1.00	R	-	R	-
	Payment (A31 - A35)						
31	Interim payment to the contractor (clause 31) Clause 31.6 is deemed to be amended by the addition of the following: "The value of materials and goods shall not be included in payment certificates unless a certificate of ownership and a cession of rights in favour of the employer from the contractor and each applicable sub-contractor is submitted. An approved form, to this extent, will be supplied." Clause 31.6.5# is deemed to be amended by replacing "No clause" with the following: "The inclusion of materials and goods stored off site shall only be considered upon the provision, by the contractor, of an approved guarantee issued by a registered commercial bank." F:..... V:..... T:.....	Item	1.00	R	-	R	-
32	Adjustment to the contract value (clause 32) F:..... V:..... T:.....	Item	1.00	R	-	R	-
33	Recovery of expense and loss (clause 33) F:..... V:..... T:.....	Item	1.00	R	-	R	-
34	Final account and final payment (clause 34) F:..... V:..... T:.....	Item	1.00	R	-	R	-
	Cancellation (A36-A39)						
36	Cancellation by employer - contractor's default (clause 36) F:..... V:..... T:.....	Item	1.00	R	-	R	-
37	Cancellation by employer - loss and damage (clause 37) F:..... V:..... T:.....	Item	1.00	R	-	R	-
38	Cancellation by contractor - employer's default (clause 38) F:..... V:..... T:.....	Item	1.00	R	-	R	-
39	Cancellation - cessation of the works (clause 39) F:..... V:..... T:.....	Item	1.00	R	-	R	-
	Dispute (A40)						
40	Dispute Settlement (clause 40) F:..... V:..... T:.....	Item	1.00	R	-	R	-
	Substitute Provisions (A41)						
41	State clauses (Clause 41) F:..... V:..... T:.....	Item	1.00	R	-	R	-
	THE SCHEDULE						
	Information necessary for completion of those clauses contained in the schedule which are necessary for tender purposes is given hereunder						
42	Pre-tender information (clause 42) F:..... V:..... T:.....	Item	1.00	R	-	R	-
	42.1 CONTRACTING AND OTHER PARTIES						
	42.1.1 Employer : DBSA						

Postal address:	PO Box 1234 Halfway House Midrand
Code:	1658
Tel. :	(011) 313 3423
Fax :	(011) 313 3423
E-mail :	khutso@dbsa.org
Physical Address :	1258 Lever Road Headway Hill Midrand

42.1.3

Agents Service:	Architect
Agent (1):	Afritech Architects
Postal address:	PO Box 2893 Newcastle
Code:	2940
Tel. :	(034) 312 4415
Fax :	(034) 312 3896
E-mail :	vos@afri-tech.co.za

42.1.4

Agents Service:	Quantity Surveyor
Agent (2):	Quanto 2000 KZN & SC
Postal address:	PO Box 9431 Newcastle
Code:	2940
Tel. :	(034) 326 4858
Fax :	(086) 513 5082
E-mail :	rudi@quanto2000.co.za

42.1.5

Agents Service:	Structural Engineer
Agent (3):	Ilifa Africa Engineers
Postal address:	PO Box 3078 Newcastle
Code:	2940
Tel. :	(034) 312 6464
Fax :	(034) 312 2429
E-mail :	newcastle@ilifa.co.za

42.1.6

Agents Service:	Electrical Engineer
Agent (4):	Isimo Electrical Engineers
Postal address:	PO Box 2484 Newcastle
Code:	2940
Tel. :	(034) 312 5767
Fax :	(034) 312 9879
E-mail :	fnel@isimoengineers.co.za

42.2 CONTRACT DETAILS

42.2.1 Works Description :

Construction of three new ablution blocks. The work generally comprises construction of a new building with internal & external face brick, carpentry & joinery, sanitary fittings and electrical installation.

42.2.2 Site Description :

The site is the site is on the existing Impala High School property in Ingwavuma, Makhana area.

42.2.3 Work or installations by direct contractors: **N/A**

42.2.4 This agreement is for a government contract where there are specific options that are applicable to a State organ only.
Yes

42.2.5 Date on which possession of the site is intended to be given:
To be finalised prior to the signing of the contract but no later than ….....?.

42.2.6 Period for the commencement of the works after the contractor takes possession of the site

5 Workings days

42.2.7 For the works as a whole. Intended date of practical completion and the penalty per calendar day:

	Date : 2 Calendar months site handover **Penalty Amount : R1,25 per R100,00 of the contract value** 42.2.8 For the works in sections : Intended date of practical completion and the penalty per calender day : **N/A** 42.2.9 The **law** applicable to this **agreement** shall be that of **South Africa** **42.3 INSURANCES** 42.3.1 Contract works insurance to be effected by: **Contractor** For the sum of : **Contract sum plus 30%** With a deductible of : **R 0** 42.3.2 Supplementary insurance is required: No 42.3.3 Public liability insurance to be effected by : **Contractor** For the sum of : **R 1 500 000.00** With a deductible of : **R 0** **42.4 DOCUMENTS** 42.4.1 Waiver of **contractors lien** or right of continuing possession is required: **Yes** 42.4.2 Number of construction document copies to be supplied to the **contractor** free of charge : **3 (three)** 42.4.3 **Bills of Quantities/Lump sum document** schedule of rates drawn up in accordance with: **Standard System of Measuring Building Work** 42.4.4 On acceptance of the tender the bills of quantities/lump sum document is to be submitted **with the tender document at tender closing.** 42.4.5 JBCC Engineering General Conditions are to be included in the contract documents: **No** 42.4.6 The contract value is to be adjusted using **escalation** adjustment indices: **Fixed** 42.4.7 Details of changes made to the provision of JBCC standard documentation: A. Minor Works Agreement : Clause 3 Addition Clause 18.1 Addition Clause 29.1 and 2 Addition Clause 29.1.1 Addition Clause 31.6 Addition B. Preliminaries : Clause B 3.11 Addition Clause B 8.1 Ammended Clause B 11.2 Amended						
	SECTION B: PRELIMINARIES						
	Definitions and interpretation (B1)						
43	Definition and interpretation (B1.1 - B1.4.6) F:..... V:..... T:.....	Item	1.00	R	-	R	-
	Documents (B2)						
44	Checking of documents (B2.1) F:..... V:..... T:.....	Item	1.00	R	-	R	-
45	Provisional bills of quantities (B2.2) F:..... V:..... T:.....	Item	1.00	R	-	R	-
46	Availability of construction documentation (B2.3) F:..... V:..... T:.....	Item	1.00	R	-	R	-

47	Interests of agents (B2.4) F:..... V:..... T:.....	Item	1.00	R	-	R	-
48	Priced documents (B2.5) F:..... V:..... T:.....	Item	1.00	R	-	R	-
49	Tender submission (B2.6) F:..... V:..... T:.....	Item	1.00	R	-	R	-
	The site (B3)						
50	Defined works area (B3.1) F:..... V:..... T:.....	Item	1.00	R	-	R	-
51	Geotechnical investigation (B3.2) F:..... V:..... T:.....	Item	1.00	R	-	R	-
52	Inspection of the site (B3.3) F:..... V:..... T:.....	Item	1.00	R	-	R	-
53	Existing premises occupied (B3.4) F:..... V:..... T:.....	Item	1.00	R	-	R	-
54	Previous work - dimensional accuracy (B3.5) F:..... V:..... T:.....	Item	1.00	R	-	R	-
55	Previous work - defects (B3.6) F:..... V:..... T:.....	Item	1.00	R	-	R	-
56	Services - known (B3.7) F:..... V:..... T:.....	Item	1.00	R	-	R	-
57	Services - unknown (B3.8) F:..... V:..... T:.....	Item	1.00	R	-	R	-
58	Protection of trees etc (B3.9) F:..... V:..... T:.....	Item	1.00	R	-	R	-
59	Articles of value (B3.10) F:..... V:..... T:.....	Item	1.00	R	-	R	-
60	Inspection of adjoining properties etc (B3.11) The contractor is to acquaint himself with all adjoining properties. F:..... V:..... T:.....	Item	1.00	R	-	R	-
	Management of contract (B4)						
61	Management of the works (B4.1) F:..... V:..... T:.....	Item	1.00	R	-	R	-
62	Programme for the works (B4.2) F:..... V:..... T:.....	Item	1.00	R	-	R	-
63	Progress meetings (B4.3) F:..... V:..... T:.....	Item	1.00	R	-	R	-
64	Technical meetings (B4.4) F:..... V:..... T:.....	Item	1.00	R	-	R	-
65	Labour and Plant records (B4.5) F:..... V:..... T:.....	Item	1.00	R	-	R	-
	Samples, Shop Drawings and Manufacturer's Instructions (B5)						
66	Samples of materials (B5.1) F:..... V:..... T:.....	Item	1.00	R	-	R	-
67	Workmanship samples (B5.2) F:..... V:..... T:.....	Item	1.00	R	-	R	-
68	Shop drawings (B5.3) F:..... V:..... T:.....	Item	1.00	R	-	R	-
69	Compliance with Manufacturer's Instructions (B5.4) F:..... V:..... T:.....	Item	1.00	R	-	R	-
	Temporary works and plant (B6)						
70	Deposits and fees (B6.1) F:..... V:..... T:.....	Item	1.00	R	-	R	-
71	Enclosure of the works (B6.2) F:..... V:..... T:.....	Item	1.00	R	-	R	-

72	Advertising (B6.3) F:..... V:..... T:.....	Item	1.00	R	-	R	-
73	Plant, equipment, sheds and offices (B6.4) F:..... V:..... T:.....	Item	1.00	R	-	R	-
74	Main notice board (B6.5) F:..... V:..... T:.....	Item	1.00	R	-	R	-
75	Subcontractors' notice board (B6.6) F:..... V:..... T:.....	Item	1.00	R	-	R	-
	Temporary services (B7)						
76	Location (B7.1) F:..... V:..... T:.....	Item	1.00	R	-	R	-
77	Water (B7.2) **Option "A" shall apply** F:..... V:..... T:.....	Item	1.00	R	-	R	-
78	Electricity (B7.3) **Option "A" shall apply** F:..... V:..... T:.....	Item	1.00	R	-	R	-
79	Telecommunication facilities (B7.4) F:..... V:..... T:.....	Item	1.00	R	-	R	-
80	Ablution facilities (B7.5) **Option "A" shall apply** F:..... V:..... T:.....	Item	1.00	R	-	R	-
	Prime cost amounts (B8)						
81	Responsibility for prime cost amounts (B8.1) Clause B8.1 is amended by the omission in the first sentence of "The contract documents shall make provision for the contractor to separately price" and replacing with "The contractor shall include in the rate of the relevant item" F:..... V:..... T:.....	Item	1.00	R	-	R	-
	Attendance on N/S Subcontractors (B9)						
82	General attendance (B9.1) F:..... V:..... T:.....	Item	1.00	R	-	R	-
83	Special attendance (B9.2) F:..... V:..... T:.....	Item	1.00	R	-	R	-
84	Commissioning - Fuel, water and power (B9.3) F:..... V:..... T:.....	Item	1.00	R	-	R	-
	Financial aspects (B10)						
85	Statutory taxes, duties and levies (B10.1) F:..... V:..... T:.....	Item	1.00	R	-	R	-
86	Payment of preliminaries (B10.2) F:..... V:..... T:.....	Item	1.00	R	-	R	-
87	Adjustment of preliminaries (B10.3) F:..... V:..... T:.....	Item	1.00	R	-	R	-
88	Payment certificate cash flow (B10.4) F:..... V:..... T:.....	Item	1.00	R	-	R	-
	General (B11)						
89	Protection of works (B11.1) F:..... V:..... T:.....	Item	1.00	R	-	R	-
90	Protection/isolation of existing/sectionally occupied works (B11.2) Protection is required : **No** F:..... V:..... T:.....	Item	1.00	R	-	R	-
91	Security of the Works (B11.3) F:..... V:..... T:.....	Item	1.00	R	-	R	-
92	Notice before covering work (B11.4) F:..... V:..... T:.....	Item	1.00	R	-	R	-
93	Disturbance (B11.5) F:..... V:..... T:.....	Item	1.00	R	-	R	-

94	Environmental Disturbance (B11.6) F:..... V:..... T:.....	Item	1.00	R	-	R	-
95	Works cleaning and clearing (B11.7) F:..... V:..... T:.....	Item	1.00	R	-	R	-
96	Vermin (B11.8) F:..... V:..... T:.....	Item	1.00	R	-	R	-
97	Overhand work (B11.9) F:..... V:..... T:.....	Item	1.00	R	-	R	-
98	Instruction manuals and guarantees (B11.10) F:..... V:..... T:.....	Item	1.00	R	-	R	-
99	As built information (B11.11) F:..... V:..... T:.....	Item	1.00	R	-	R	-
100	Tenant Installations (B11.12) F:..... V:..... T:.....	Item	1.00	R	-	R	-
	Schedule of variables (B12)						
101	Pre-tender information (B12.1) F:..... V:..... T:.....	Item	1.00	R	-	R	-

12.1.1 Provisional bills of quantities (B2.2) The quantities are provisional : **No**

12.1.2 Availability of construction documentation (B2.3)
Construction documentation is complete : **Yes**

12.1.3 Interest of agents (B2.4) **N/A**

12.1.4 Defined works area (B3.1)

The defined works area will be pointed out to the contractor on the handover of the site.

12.1.5 Geo-technical investigation (B3.2)

There is no site soil investigation report available. The contractor is to allow for digging of all necessary trial holes, that will be inspected by the Engineer prior to the commencement of any foundation work.

12.1.6 Existing premises occupied (B3.4)

The contractor is reminded that the existing building on the premises will be occupied for the majority of the day.

12.1.7 Previous work - dimensional accuracy (B3.4)

12.1.8 Previous work - defects (B3.5)

12.1.9 Services - known (B3.7)

Existing services to be pointed out to the contractor at site handover. Services are to be exposed by hand before commencing any trench excavations for new work.

Should the Contractor come in contact with any underground cables or pipes during excavations, immediate notification must be made to the Employer and all work in the vicinity of such cables, pipes, etc., shall cease until authority to proceed has been obtained from the Employer. Should the Contractor damage underground cables or pipes resulting in a disruption of services to an existing institution such damage shall be repaired immediately.

12.1.10 Protection of trees (B3.9

12.1.11 Inspection of adjoining properties (B3.11) No specific requirements.

12.1.12 Enclosure of the works (B6.2)

	The works will take place at school that will be occupied for the major part of the contract. The contractor shall enclose the works with 105m of tempory fencing from the rest of the school as required by the Occupational Health and Safety Act.						
	12.1.13 Offices (B6.4.3)						
	The **contractor** shall provide, maintain and remove on completion of the works, an office for the exclusive use of the **principal agent and other agents,** suitably insulated, provided with electric lighting and fitted with desk and chairs. The office shall be kept clean and fit for use at all times.						
	12.1.14 Main notice board (B6.5)						
	The **contractor** shall provide, erect where directed, maintain and remove on completion of the **works** 1 x notice board, size 2,8 x 2,50m high, constructed of chromadek sheet. The board shall be securely fixed to hoarding, where hoarding is provided, or fixed to and including a suitable supporting structure of timber or tubular posts and braces a**s per drawing attached to the back of these Bills of Quantities**.						
	12.1.15 Subcontractors notice board (B6.6) A notice board is required : **No**						
	12.1.16 Water (B7.2)						
	Alternative Selected: **A (By contractor)**						
	12.1.17 Electricity (B7.3)						
	Alternative selected: **A (By contractor)**						
	12.1.18 Telecommunications (B7.4)						
	No specific requirements.						
	12.1.19 Ablution facilities (B7.5)						
	Alternative selected: **A (By contractor)**						
	12.1.20 Protection of existing/sectionally occupied works (B11.2)						
	Protection is required : **No**						
	12.1.21 Special attendance (B9.2)						
	To be in accordance with clause 9.2						
	12.1.22 Protection of the works (B11.1)						
	No specific requirements						
	12.1.23 Disturbance (B11.5)						
	No specific requirements						
	12.1.24 Environmental Disturbance (B11.6)						
	No specific requirements						
	SECTION C: SPECIFIC PRELIMINARIES						
102	Site instructions						
	The contractor to supply a site instruction book, that is to be maintained on site. Instructions issued on site is to be recorded in triplicate. F:..... V:..... T:.....	Item	1.00	R	-	R	-
103	Royalties, Patent rights and fees						

	The contractor shall fully indemnify the employer and the employers agents against any action, claim or demand of costs or expenses arising from or incurred by reason of any infringement of letters, patent design, trademark or name copyright or other protected rights in respect of any machine, plant, work, materials or article, system or method of using, fixing or arrangement used or fixed or supplied by the contractor, but such indemnity shall not cover any use of plant or part thereof otherwise than in accordance with the provisions of the specifications. All payments and royalties payable in one sum or by inslallments or otherwise, shall be included by the contractor in the price named in the tender and shall be paid by him to those to whom they be due or payable.F:..... V:..... T:.....	Item	1.00	R	-	R	-
104	Lead Time Items The **contractor** is to be aware of all **specialist products and items** that require **long lead** times and ensure that these items are included in his programming of the works and form part of his critical path. No adjustment to the **construction period** or **contract value** whatsoever will be entertained due to late orders of said materials and cost thereof will be for the **contractor**. F:..... V:..... T:.....	Item	1.00	R	-	R	-
105	Occupational Health and Safety The Contractor will allow for Health and Safety to ensure compliance with requirements set out in the Construction Regulation 2014, issued under the Occupational Health and Safety Act, 1933 (Act No. 85 of 1933). It is a required of the Contractor to thoroughly study the attached Health and Safety Specifications (Annexure A) that must be read together with and is deemed to be incorporated under this Section in the Bills of Quantities. The Contractor must take note that compliance with the Occupational Health and Safety Act, the Construction Regulations and the Health and Safety Specifications is compulsory. In the event of partial or total non-compliance, the Principal Agent, not withstanding 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 in payment. Provision for pricing of the Occupational Health and Safety Act, the Construction Regulations and Health and Safety Specifications 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. Category : Fixed R..... Category : Value R..... Category : Time R.....	Item	1.00	R	-	R	-
106	Utilization of a Community Liason Officer (CLO) The Contractor shall allow for and pay any and all costs necessary for the engagement of the services of a CLO for the full duration of this contract. F:..... V:.....T:.....	Item	1.00	R	-	R	-
	SECTION 1 - Carried to Final Summary					R	-
	SECTION 2 **BILL NO 1** **ALTERATIONS (Provisional)**						
1	Remove carbolinium, paint & mortar from external face bricks by means of high pressure water blasting or scrubbing with sugar soap, mortar lift or other such method.	m2	202.00	R	-	R	-
2	Remove existing glass panels from steel windows, fixed with putty and prepare to receive new glass (measured elsewhere)	m2	5.00	R	-	R	-
3	Take out & remove door ironmongery to receive new (measured elsewhere)	no	4.00	R	-	R	-
4	Service all indicator locks	no	12.00	R	-	R	-
5	Remove temporary fence	m	103.00	R	-	R	-
	Carried Forward to Summary of Section No. 2					R	-

	BILL NO 2						
	WATERPROOFING						
	JOINT SEALANTS, ETC						
	Thioflex 600 polysulphide sealing compound, including bond breaker, backing cord, primer, etc. and raking out of joint filler as necessary						
1	12mm x 12mm Deep vertical expansion joints (Provisional).	m	87.00	R	-	R	-
	Secomastic non-hardening waterproof compound in pointing all round frames at junctions with brickwork or concrete and leave perfectly watertight						
2	Steel door or window frames.	m	69.00	R	-	R	-
	Carried Forward to Summary of Section No. 2					R	-

	BILL NO 3							
	ROOF COVERINGS, ETC							
	PROFILED METAL SHEETING AND ACCESSORIES							
	Sundries							
1	Extra over roof sheeting for fixing every crown at eaves	m	23.00	R	-	R		-
2	Extra over roof sheeting for fixing every crown at ridge	m	23.00	R	-	R		-
	Carried Forward to Summary of Section No. 2							

	BILL NO 4						
	CARPENTRY AND JOINERY						
	ROOF TRUSSES, ETC.						
	Wrought softwood						
1	50 x 76mm Trimmers	m	73.00	R	-	R	-
	Sundries						
2	Two coats creosote on sawn timbers	m2	20.00	R	-	R	-
36	Teco two way hurricane clips	No	95.00	R	-	R	-
	Carried Forward to Summary of Section No. 2						

	BILL NO 5						
	IRONMONGERY						
	LOCKS & HANDLES						
	"Assa Abloy" or simmilar approved						
1	AL6C45-05AS/L-22315-76SS/2 x 18sc ""Ceder"" Cylinder lock set with striking plate fixed to metal.	No	4.00	R	-	R	-
2	37651RH Indicator bolt with keep fixed to metal.	No	1.00	R	-	R	-
3	300mm 'ASSA ABLOY' pull handle flange (Code: AL5515-300FLAS).	No	2.00	R	-	R	-
	PUSH PLATES AND KICKING PLATES						
	"Assa Abloy" or simmilar approved						
4	300 x 900 x 1.6mm Kick Plate.	No	1.00	R	-	R	-
	LETTERS, NAMEPLATES, ETC						
	"Assa Abloy" or simmilar approved						
5	AL 5022-E10 anodised aluminium signage plate with male symbol.	No	2.00	R	-	R	-
6	AL 5022-E11 anodised aluminium signage plate with female symbol.	No	2.00	R	-	R	-
7	AL 5066-06ASE14 anodised aluminium signage plate (Paraplegic).	No	1.00	R	-	R	-
	BATHROOM FITTINGS						
	"Chairman Industries" or simmilar approved						
8	32mm Type "SR2" stainless steel wall mounted back grab rail plugged and screwed.	No	1.00	R	-	R	-
9	32mm Type "DL2" stainless steel wall mounted side grab rail plugged and screwed.	No	1.00	R	-	R	-
	"FRANKE Chronos" or simmilar approved						
10	CHRH 401 mirror, size 300 x 300mm high plugged and screwed.	No	8.00	R	-	R	-
	SUNDRIES						
	"Assa Abloy" or simmilar approved						
11	87001SS Floor mounted door stop, plugged.	No	4.00	R	-	R	-
	Carried Forward to Summary of Section No. 2						

	BILL NO 6						
	PLASTERING						
	POLYURETHANE RESIN						
	Prepare existing painted floor and apply one coat "Flowprime 102" and broadspread 1.1mm silica sand into wet primer until refusal, apply one 6mm thick coat "Flowfresh HF" heavy duty mortar, all in accordance with manufacturers instructions and applied by an approved applicator.						
1	On Floors.	m2	77.00	R	-	R	-
	Carried Forward to Summary of Section No. 2						
	BILL NO 7						
	TILING						
	WALL TILING						
	150 x 150 x 5mm White glazed ceramic tiles fixed with adhesive to plaster (plaster elsewhere)						
1	On walls in isolated panels, splash backs, etc. (Provisional).	m2	6.00	R	-	R	-
	SUNDRIES						
	Floor and wall trims						
2	10mm Straight edge trim as "Kirk Marketing" M.Trim s(Code : SSE100.NA 10mm), fixed between tile	m	8.00	R	-	R	-
	Carried Forward to Summary of Section No. 2						

	BILL NO 8						
	PLUMBING AND DRAINAGE (PROVISIONAL)						
	SOIL DRAINAGE						
	uPVC gulleys						
1	100mm Dished gulley not exceeding 1000mm deep.	No	3.00	R	-	R	-
	RAINWATER DISPOSAL						
	Seamless mild steel Ogee gutters with backed enamel finish fixed to suppliers specification, with 100 x 75mm fluted mild steel downpipes with baked enamel finish fixed as per suppliers detail. Bracket min. 450mm centres						
2	Gutter bracket min. 450mm centres	no	23.00	R	-	R	-
	Carried Forward to Summary of Section No. 2						

	BILL NO 9							
	GLAZING							
	GLAZING TO STEEL WITH PUTTY							
	6.38m Obscure Laminated glass							
1	Panes not exceeding 0,1m².	m2	5.00	R	-	R	-	
	Carried Forward to Summary of Section No. 2							

	BILL NO 10						
	PAINTWORK						
	PAINTWORK ETC TO EXISTING WORK						
	ON PLASTER						
	Wash down walls and apply two coats "Plascon Wall and All" paint						
1	On plaster	m2	301.00	R	-	R	-
	ON WOOD						
	Lightly sand down and apply two coats "Plascon Velvaglo Polyurethane Velvet Enamel (VLO)" paint						
2	On doors.	m2	42.00	R	-	R	-
	PAINTWORK ETC TO NEW WORK						
	ON PVC						
	Lightly sand surface and apply one coat "Merit Universal Undercoat (UC1) and two coats "Super Universal Enamel" paint						
3	On vent pipes not exceeding 100mm diameter (Black)	m	46.00	R	-	R	-
	ON PUTTY						
	One coat "Merit Universal Undercoat (UC1) and two coats "Super Universal Enamel" paint						
4	On windows	m2	5.00	R	-	R	-
	Carried Forward to Summary of Section No. 2						

	SECTION SUMMARY - IMPALA HIGH SCHOOL				
1	Alterations				
2	Waterproofing				
3	Roof Coverings				
4	Carpentry & Joinary (Provisional)				
5	Ironmongery				
6	Plastering (Provisional)				
7	Tiling				
8	Plumbing & Drainage (Provisional)				
9	Glazing				
10	Paintwork				
	Carried to Final Summary				

	SECTION 3						
	SITE WORKS (PROVISIONAL)						
	BILL NO 1						
	GENERAL SITEWORKS						
	DEMOLITIONS						
	Carefully demolish and remove existing, including necessary excavations, filling, compaction, roughly levelling ground surface, cutting through, etc. (where applicable), as well as cutting through, blocking off, disconnecting, etc. of services.						
1	Single storey pre-fabricated buildings with mono-pitched roof, 4,50 x 3,50m on plan and 2m high at eaves comprising of three pre-fabricated units on concrete surface bed and block screen wall, etc., including backfilling and compacting pit size, 4,50 x 2,20 x 2m deep, in layers not exceeding 300mm thick.	No	3.00	R	-	R	-
2	Single storey building with mono-pitched roof, 3 x 1,85m on plan and 2,5m high at eaves comprising concrete surface bed, block external walls and corrugated sheet metal roof covering on timber trusses, sanitary fittings, complete with foundations, windows, doors, fixed fittings, etc., including backfilling and compacting pit size, 3 x 1,85 x 2m deep, in layers not exceeding 300mm thick	No	1.00	R	-	R	-
	GENERAL SITEWORKS						
	Site clearance						
1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc.	m2	168.00	R	-	R	-
	Carting away						
2	Builders rubble and surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor.	m3	25.00	R	-	R	-
	WALKWAYS, APRONS, STEPS, ETC						
	Excavation in soft material not exceeding 2m deep						
3	To reduce levels under walkway, aprons, etc.	m3	11.00	R	-	R	-
	Compaction of surfaces						
4	Compaction of ground surface under aprons, 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	72.00	R	-	R	-
	Extra over all excavations for carting away						
5	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor.	m3	11.00	R	-	R	-
	Approved gravel filling (G7) supplied and carted on by the contractor, compacted in layers not exceeding 150mm thick to 93% Mod AASHTO density						
6	Under walkways, aprons, etc.	m3	4.00	R	-	R	-
	Concrete class 20/19						
7	Walkways, aprons, steps, etc.	m3	7.00	R	-	R	-
	Finishing top surfaces of concrete smooth with a wood float to class U2 finish						
8	Walkways, aprons, etc. to falls.	m2	72.00	R	-	R	-
	Smooth formwork, class F2, to:						
9	Edges, risers, etc. not exceeding 300mm high or wide.	m	35.00	R	-	R	-
	Expansion joints with bitumen impregnated softboard between vertical concrete or brick surfaces						
10	12mm Joints, not exceeding 300mm high.	m	118.00	R	-	R	-
	Fabric reinforcement						
11	Type 195 fabric reinforcement in concrete surface beds, slabs, etc.	m2	72.00	R	-	R	-

	Carried Forward to Summary of Section No. 3				

	BILL NO 2						
	EXTERNAL PLUMBING AND DRAINAGE						
	THE FOLLOWING IN RAINWATER STORAGE						
	STORM WATER DISPOSAL						
	Mass concrete class 25/19, storm water channels, laid to even falls in sections not exceeding 2m long, finished smooth to all visible faces, slightly rounded on salient angles, Ref.193 mesh reinforcement, including all necessary shallow excavations, form work, filling and ramming						
1	Open V-shaped stormwater channel, 900mm wide x 130mm thick overall, with top surface worked down to form 50mm deep channel, cast in panels not exceeding 2m long.	m	3.00	R	-	R	-
2	Extra for angles, intersections, ends, etc.	No	2.00	R	-	R	-
	Channel outlets						
3	Bell mouthed concrete storm water outlet, concrete class 20/19, size 850mm wide internally at inlet, bell mouthed to 1960mm at outlet and 1356mm long formed with 200mm thick base, provided with 200 x 200mm inverted edges to both raking 1500mm long sides, 200 x 200mm toe to 2700mm outlet and seventeen approved bricks cast into top surface of base in brick-on-edge position, all concrete finished smooth on all exposed surfaces, including necessary excavation, filling, ramming and formwork.	No	1.00	R	-	R	-
	SOIL AND WASTE DRAINAGE						
	uPVC pipes						
4	110mm Pipes laid in and including trenches not exceeding 1m deep.	m	15.00	R	-	R	-
	Extra over uPVC pipes for fittings.						
5	110mm Bend.	No	5.00	R	-	R	-
	WATER SUPPLY						
	High density polypropylene class 4 pressure water pipes with compression fittings						
6	25mm Pipes laid in and including trenches.	m	115.00	R	-	R	-
	Extra over piping for plasson screwed type fittings						
7	25mm Fittings.	No	30.00	R	-	R	-
	Taps, valves, etc						
8	25mm Brass fullway gate valve.	No	5.00	R	-	R	-
	INSPECTION CHAMBERS, MANHOLES, ETC.						
	The following in soakaways, french drains, etc.						
9	French drain, size 600mm wide x 1000mm deep, filled in with 19mm diameter gravel up to a level of 600mm with 24 micron bidum membrane 3000mm girth around gravel fill, including all necessary excavations, backfilling, compaction, etc.	m	65.00	R	-	R	-
	DE-SLUDGING OF CONSERVANCY TANKS						
10	De-sludge existing conservancy tanks and removal of to safe dumping site.	m3	42.00	R	-	R	-
	Carried Forward to Summary of Section No. 3						

	SECTION SUMMARY - EXTERNAL WORKS (PROVISIONAL)					
1	General Site Works					
2	External Plumbing & Drainage					
	Carried to Final Summary					

	FINAL SUMMARY				
1	PRELIMINARIES				
2	IMPALA HIGH SCHOOL				
3	EXTERNAL WORKS (PROVISIONAL)				
	Sub-Total				
	ADD: 10% of Contract Value as a contingency for the unforeseen to be used at the discretion of the employer's agent and deducted in whole or in part if not required.		0.10		
	Sub Total				
	ADD: 15% (Fifteen percent) of Sub-Total for Value Added Tax		0.15		
	FINAL TOTAL - Carried to Tender Amount (including VAT)				