

	UNIT	QUANTITY	RATE		TOTAL	
<b><u>ISIHLANGWINI PRIMARY SCHOOL</u></b>						
<b><u>SECTION 1</u></b>						
<b><u>PRELIMINARIES</u></b>						
<b><u>BILL NO. 1</u></b>						
<b><u>PRELIMINARIES</u></b>						
<b><u>PRELIMINARIES NOTES</u></b>						
i) The JBCC Series 2000 Minor Works Agreement (Edition 5.2 dated 2024) prepared by the Joint						
ii) The ASAQS Preliminaries (November 2007 edition) published by the Association of South						
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						
v) Where any item is not relevant to this specific contract such item is marked N/A (signifying "not						
vi) If Alternative A as set out in clause B10.3 hereinafter is to be used for the adjustment of the						
<b><u>SECTION A: PRINCIPAL BUILDING AGREEMENT</u></b>						
<u>Definitions (A1)</u>						
Definitions and interpretation (clause 1) F:..... V:..... T:.....	Item	1	R	-	R	-
<u>Objective and Preparation (A2 to A14)</u>						
Offer acceptance and performance (clause 2) F:..... V:.....	Item	1	R	-	R	-
Documents (clause 3) Clause 3 will be deemed to be ammended by the addition of the following:	Item	1	R	-	R	-
Design responsibility (clause 4) F:..... V:..... T:.....	Item	1	R	-	R	-
Employer's agents (clause 5) F:..... V:..... T:.....	Item	1	R	-	R	-
Site representative (clause 6) F:..... V:..... T:.....	Item	1	R	-	R	-
Compliance with regulations (clause 7) F:..... V:.....	Item	1	R	-	R	-
Works risk (clause 8) F:..... V:..... T:.....	Item	1	R	-	R	-
Indemnities (clause 9) F:..... V:..... T:.....	Item	1	R	-	R	-
Works insurances (clause 10) F:..... V:..... T:.....	Item	1	R	-	R	-
Liability insurances (clause 11) F:..... V:..... T:.....	Item	1	R	-	R	-
Effecting insurance (clause 12) F:..... V:..... T:.....	Item	1	R	-	R	-
NO CLAUSE 13.	N/A					
Security (clause 14) F:..... V:..... T:.....	Item	1	R	-	R	-
Access to the works (clause 16) F:..... V:..... T:.....	Item	1	R	-	R	-
Contract instructions (clause 17) F:..... V:..... T:.....	Item	1	R	-	R	-
<u>Setting out of the works (clause 18) Clause 18.1 will be deemed to be ammended by the addition</u>	Item	1	R	-	R	-
Assignment (clause 19) F:..... V:..... T:.....	Item	1	R	-	R	-
Nominated subcontractors (clause 20) F:..... V:.....	Item	1	R	-	R	-
Selected subcontractors (clause 21) F:..... V:..... T:.....	Item	1	R	-	R	-
Employer's Direct Contractors (clause 22) F:..... V:.....	Item	1	R	-	R	-
Contractor's Domestic Sub-Contractors (Clause 23) F:..... V:..... T:.....	Item	1	R	-	R	-
Practical completion (clause 24) F:..... V:..... T:.....	Item	1	R	-	R	-

25	Works completion (clause 25) F:..... V:..... T:.....	Item	1	R	-	R	-
26	Final completion (clause 26) F:..... V:..... T:.....	Item	1	R	-	R	-
27	Latent defects liability period (clause 27) F:..... V:.....	Item	1	R	-	R	-
28	Sectional completion (clause 28) F:..... V:..... T:.....	Item	1	R	-	R	-
29	Revision of date of practical completion (clause 29) Clauses 29.1 & 29.2 will be deemed to be	Item	1	R	-	R	-
30	Penalty for non-completion (clause 30) F:..... V:..... T:.....	Item	1	R	-	R	-
31	Interim payment to the contractor (clause 31) Clause 31.6 is deemed to be amended by the	Item	1	R	-	R	-
32	Adjustment to the contract value (clause 32) F:..... V:.....	Item	1	R	-	R	-
33	Recovery of expense and loss (clause 33) F:..... V:..... T:.....	Item	1	R	-	R	-
34	Final account and final payment (clause 34) F:..... V:..... T:.....	Item	1	R	-	R	-
36	Cancellation by employer - contractor's default (clause 36) F:..... V:..... T:.....	Item	1	R	-	R	-
37	Cancellation by employer - loss and damage (clause 37) F:..... V:.....	Item	1	R	-	R	-
38	Cancellation by contractor - employer's default (clause 38) F:.....	Item	1	R	-	R	-
39	Cancellation - cessation of the works (clause 39) F:..... V:..... T:.....	Item	1	R	-	R	-
40	Dispute Settlement (clause 40) F:..... V:..... T:.....	Item	1	R	-	R	-
41	State clauses (Clause 41) F:..... V:..... T:.....	Item	1	R	-	R	-
<b>THE SCHEDULE</b>							
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	R	-	R	-
<b>42.1 CONTRACTING AND OTHER PARTIES</b>							
<b>42.1.1</b> 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							
<b>42.1.3</b> 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							
<b>42.1.4</b> 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

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  
Yes

42.2.5 Date on which possession of the site is intended  
To be finalised prior to the signing of the

42.2.6 Period for the commencement of the works after

5 Workings days

42.2.7 For the works as a whole. Intended date of

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

42.2.9 The law applicable to this agreement shall be

## 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

Standard System of Measuring Building

42.4.4 On acceptance of the tender the bills of

42.4.5 JBCC Engineering General Conditions are to be

42.4.6 The contract value is to be adjusted using						
42.4.7 Details of changes made to the provision of JBCC standard documentation:						
<b>A. Minor Works Agreement :</b>						
B. Preliminaries :						
<b><u>SECTION B: PRELIMINARIES</u></b>						
Definitions and interpretation (B1)						
43 Definition and interpretation (B1.1 - B1.4.6) F:..... V:.....	Item	1	R	-	R	-
Documents (B2)						
44 Checking of documents (B2.1) F:..... V:..... T:.....	Item	1	R	-	R	-
45 Provisional bills of quantities (B2.2) F:..... V:..... T:.....	Item	1	R	-	R	-
46 Availability of construction documentation (B2.3) F:..... V:.....	Item	1	R	-	R	-
47 Interests of agents (B2.4) F:..... V:..... T:.....	Item	1	R	-	R	-
48 Priced documents (B2.5) F:..... V:..... T:.....	Item	1	R	-	R	-
49 Tender submission (B2.6) F:..... V:..... T:.....	Item	1	R	-	R	-
50 Defined works area (B3.1) F:..... V:..... T:.....	Item	1	R	-	R	-
51 Geotechnical investigation (B3.2) F:..... V:..... T:.....	Item	1	R	-	R	-
52 Inspection of the site (B3.3) F:..... V:..... T:.....	Item	1	R	-	R	-
53 Existing premises occupied (B3.4) F:..... V:..... T:.....	Item	1	R	-	R	-
54 Previous work - dimensional accuracy (B3.5) F:..... V:..... T:.....	Item	1	R	-	R	-
55 Previous work - defects (B3.6) F:..... V:..... T:.....	Item	1	R	-	R	-
56 Services - known (B3.7) F:..... V:..... T:.....	Item	1	R	-	R	-
57 Services - unknown (B3.8) F:..... V:..... T:.....	Item	1	R	-	R	-
58 Protection of trees etc (B3.9) F:..... V:..... T:.....	Item	1	R	-	R	-
59 Articles of value (B3.10) F:..... V:..... T:.....	Item	1	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	R	-	R	-
61 Management of the works (B4.1) F:..... V:..... T:.....	Item	1	R	-	R	-
62 Programme for the works (B4.2) F:..... V:..... T:.....	Item	1	R	-	R	-
63 Progress meetings (B4.3) F:..... V:..... T:.....	Item	1	R	-	R	-
64 Technical meetings (B4.4) F:..... V:..... T:.....	Item	1	R	-	R	-
65 Labour and Plant records (B4.5) F:..... V:..... T:.....	Item	1	R	-	R	-
66 Samples of materials (B5.1) F:..... V:..... T:.....	Item	1	R	-	R	-
67 Workmanship samples (B5.2) F:..... V:..... T:.....	Item	1	R	-	R	-
68 Shop drawings (B5.3) F:..... V:..... T:.....	Item	1	R	-	R	-
69 Compliance with Manufacturer's Instructions (B5.4) F:..... V:.....	Item	1	R	-	R	-
<b>Temporary works and plant (B6)</b>						

70	Deposits and fees (B6.1) F:..... V:..... T:.....	Item	1	R	-	R	-
71	Enclosure of the works (B6.2) F:..... V:..... T:.....	Item	1	R	-	R	-
72	Advertising (B6.3) F:..... V:..... T:.....	Item	1	R	-	R	-
73	Plant, equipment, sheds and offices (B6.4) F:..... V:.....	Item	1	R	-	R	-
74	Main notice board (B6.5) F:..... V:..... T:.....	Item	1	R	-	R	-
75	Subcontractors' notice board (B6.6) F:..... V:..... T:.....	Item	1	R	-	R	-
	Temporary services (B7)						
76	Location (B7.1) F:..... V:..... T:.....	Item	1	R	-	R	-
77	Water (B7.2) Option "A" shall apply F:.....	Item	1	R	-	R	-
78	Electricity (B7.3) Option "A" shall apply F:.....	Item	1	R	-	R	-
79	Telecommunication facilities (B7.4) F:..... V:..... T:.....	Item	1	R	-	R	-
80	Ablution facilities (B7.5) Option "A" shall apply F:.....	Item	1	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	R	-	R	-
	Attendance on N/S Subcontractors (B9)						

82	General attendance (B9.1) F:..... V:..... T:.....	Item	1	R	-	R	-
83	Special attendance (B9.2) F:..... V:..... T:.....	Item	1	R	-	R	-
84	Commissioning - Fuel, water and power (B9.3) F:..... V:..... T:.....	Item	1	R	-	R	-
	Financial aspects (B10)						
85	Statutory taxes, duties and levies (B10.1) F:..... V:.....	Item	1	R	-	R	-
86	Payment of preliminaries (B10.2) F:..... V:..... T:.....	Item	1	R	-	R	-
87	Adjustment of preliminaries (B10.3) F:..... V:..... T:.....	Item	1	R	-	R	-
88	Payment certificate cash flow (B10.4) F:..... V:.....	Item	1	R	-	R	-
	General (B11)						
89	Protection of works (B11.1) F:..... V:..... T:.....	Item	1	R	-	R	-
90	Protection/isolation of existing/sectionally occupied works (B11.2)	Item	1	R	-	R	-
91	Security of the Works (B11.3) F:..... V:..... T:.....	Item	1	R	-	R	-
92	Notice before covering work (B11.4) F:..... V:..... T:.....	Item	1	R	-	R	-
93	Disturbance (B11.5) F:..... V:..... T:.....	Item	1	R	-	R	-
94	Environmental Disturbance (B11.6) F:..... V:..... T:.....	Item	1	R	-	R	-
95	Works cleaning and clearing (B11.7) F:..... V:..... T:.....	Item	1	R	-	R	-
96	Vermin (B11.8) F:..... V:..... T:.....	Item	1	R	-	R	-
97	Overhand work (B11.9) F:..... V:..... T:.....	Item	1	R	-	R	-
98	Instruction manuals and guarantees (B11.10) F:..... V:.....	Item	1	R	-	R	-
99	As built information (B11.11) F:..... V:..... T:.....	Item	1	R	-	R	-
100	Tenant Installations (B11.12) F:..... V:..... T:.....	Item	1	R	-	R	-
	Schedule of variables (B12)						
101	Pre-tender information (B12.1) F:..... V:..... T:.....	Item	1	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						
	12.1.5 Geo-technical investigation (B3.2)  There is no site soil investigation report						
	12.1.6 Existing premises occupied (B3.4)  The contractor is reminded that the existing						
	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  Should the Contractor come in contact with any						
	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						

12.1.13 Offices (B6.4.3)							
The contractor shall provide, maintain and							
12.1.14 Main notice board (B6.5)							
The contractor shall provide, erect where							
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	Item	1	R	-	R	-
103	Royalties, Patent rights and fees						
	The contractor shall fully indemnify the employer and the employers agents against any action,	Item	1	R	-	R	-
104	Lead Time Items						
	The contractor is to be aware of all specialist products and items that require long lead times and	Item	1	R	-	R	-
105	Occupational Health and Safety						
	<p>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, 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 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.</p> <p>Category : Fixed R..... Category : Value R..... Category : Time R.....</p>						
		Item	1	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

F:..... V:.....T:.....

**Carried Forward to Summary of Section No. 2**

Item	1	R	-	R	-



**BILL NO 2**

**PRECAST CONCRETE**

Pre-cast concrete left smooth from the mould including bedding, jointing and pointing

- 1 1800 x 825 x 200mm Thick duct cover slabs, closely butted at ends, including bedding edges along all sides, including 2 x 100 U-shaped lifting rings and Y10 reinforcement at 150mm c/c in both directions.

No 1 R - R -

"Precast concrete finished smooth on exposed surfaces including bedding, jointing and pointing"

- 2 Precast gully, overall size 430 x 440mm, bedded and jointed in Class II mortar and pointed on all exposed faces.

No 5 R - R -

**Carried Forward to Summary of Section No. 2**

<b><u>BILL NO 3</u></b>							
<b><u>MASONRY</u></b>							
<b><u>BRICKWORK</u></b>							
<u>Brickwork of NFP bricks in cement mortar</u>							
1	One brick walls	m2	3	R	-	R	-
<b><u>BRICKWORK SUNDRIES</u></b>							
<u>Brickwork reinforcement (Provisional)</u>							
2	150mm Wide reinforcement built in horizontally	m	9	R	-	R	-
<b><u>FACE BRICKWORK</u></b>							
<u>Face bricks at a purchase price of R8500,00/1000, bricks delivered to site with pointed recessed horizontal and vertical joints</u>							
3	Extra over brickwork for external face brickwork	m2	3	R	-	R	-
4	Extra over brickwork for face brickwork in beamfilling	m2	1	R	-	R	-
<b><u>FACE BRICKWORK</u></b>							
<u>Brick-on-edge header course copings, sills, etc of face brickwork at a purchase price of R8500,00/1000, delivered to site pointed with ruled flush joints on all exposed faces</u>							
5	200mm Wide sill set sloping and slightly projecting	m	14	R	-	R	-
Carried Forward to Summary of Section No. 2							

**BILL NO 4**

**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

121

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

83

R

-

R

-

**Carried Forward to Summary of Section No. 2**

**BILL NO 5**

**ROOF COVERINGS, ETC**

Sundries

- 1
- Extra over roof sheeting for fixing every crown at eaves
- 2
- Extra over roof sheeting for fixing every crown at ridge
- Carried Forward to Summary of Section No. 2

m	27	R	-	R	-
m	27	R	-	R	-

**BILL NO 6**

**CARPENTRY AND JOINERY**

**ROOFS, ETC.**

Sawn softwood

1 50 x 76mm Trimmers

Sundries

2 Two coats creosote on sawn timbers

3 Teco two way hurricane clips

**EAVES, VERGES, ETC**

Nutec fibre-cement, with plain finish

4 15 x 225mm Fascias, including galvanised steel H-profile jointing strips

**Carried Forward to Summary of Section No. 2**

m	95	R	-	R	-	
m2	21	R	-	R	-	
No	116	R	-	R	-	
m	8	R	-	R	-	

<b><u>BILL NO 7</u></b>						
<b><u>IRONMONGERY</u></b>						
<b><u>LOCKS &amp; HANDLES</u></b>						
<u>"Assa Abloy" or simmlar approved</u>						
1	AL6C45-05AS/L-22315-76SS/2 x 18sc ""Ceder"" Cylinder lock set with striking plate fixed to metal.	No	6	R	-	R -
2	37651RH Indicator bolt with keep fixed to metal.	No	1	R	-	R -
3	300mm 'ASSA ABLOY' pull handle flange (Code: AL5515-300FLAS).	No	2	R	-	R -
<b><u>PUSH PLATES AND KICKING PLATES</u></b>						
<u>"Assa Abloy" or simmlar approved</u>						
4	300 x 900 x 1.6mm Kick plate.	No	1	R	-	R -
<b><u>LETTERS, NAMEPLATES, ETC</u></b>						
<u>"Assa Abloy" or simmlar approved</u>						
5	AL 5022-E10 anodised aluminium signage plate with male symbol.	No	1	R	-	R -
6	AL 5022-E11 anodised aluminium signage plate with female symbol.	No	1	R	-	R -
7	AL 5066-06ASE14 anodised aluminium signage plate (Paraplegic).	No	1	R	-	R -
<b><u>BATHROOM FITTINGS</u></b>						
<u>"Chairman Industries" or simmlar approved</u>						
8	32mm Type "SR2" stainless steel wall mounted back grab rail plugged and screwed.	No	1	R	-	R -
9	32mm Type "DL2" stainless steel wall mounted side grab rail plugged and screwed.	No	1	R	-	R -
<u>"FRANKE Chronos" or simmlar approved</u>						
10	CHRH 401 mirror, size 300 x 300mm high plugged and screwed.	No	12	R	-	R -
<b><u>SUNDRIES</u></b>						
<u>"Assa Abloy" or simmlar approved</u>						
11	87001SS Floor mounted door stop, plugged.	No	6	R	-	R -
<b>Carried Forward to Summary of Section No. 2</b>						

**BILL NO 8**

**METALWORK**

**WELDED HOT DIPPED GALVANISED SCREENS, GATES, ETC..**

Welded screens, gates and frames

- 1 Square hollow section framing of 45 x 45 x 3mm stiles and top rail, for single gate size 840 x 2170mm high, including mitred intersection and four 25 x 3 x 200mm long flat section lugs, etc. as per detail on drawing NC19/03-3R1E-002/003-Rev0
- 2 Single gate 840 x 2170mm high of 60 x 40 x 2mm hollow section frame, two 25 x 25 x 6mm hollow section intermediate rails and filled in with 6mm diameter vertical bars at maximum 110mm centres, with three 25mm diameter x 80mm long pin hinges with 35 x 35 x 8mm flat bar brackets and Union "MG47" 47mm padlock, etc. as per detail on drawing NC19/03-3R1E-002/003-Rev0

No

1

R

-

R

-

No

1

R

-

R

-

**Carried Forward to Summary of Section No. 2**

**BILL NO 9**

**POLYURETHANE RESIN**

Prime surface with one coat "Flowprime 102" and broadsread 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.

**Carried Forward to Summary of Section No. 2**

m2

95

R

-

R

-



**BILL NO 10**

**PLUMBING AND DRAINAGE (PROVISIONAL)**

**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

1 Gutter bracket min. 450mm centres

no

30

R

-

R

-

**SOIL DRAINAGE**

uPVC gulleys

2 100mm Dished gulley not exceeding 1000mm deep.

No

5

R

-

R

-

**Carried Forward to Summary of Section No. 2**

**BILL NO 11**

**GLAZING**

**GLAZING TO STEEL WITH PUTTY**

6.38m Obscure Laminated glass

1 Panes not exceeding 0,1m².

Carried Forward to Summary of Section No. 2

m2	7	R	-	R	-

<b><u>BILL NO 12</u></b>							
<b><u>PAINTWORK</u></b>							
<b><u>PAINTWORK ETC TO NEW WORK</u></b>							
<b><u>ON PLASTER</u></b>							
<u>Wash down walls and apply two coats "Plascon Wall and All" paint</u>							
1	On walls	m2	378	R	-	R	-
<b><u>ON WOOD</u></b>							
<u>Lightly sand down and apply one coat "Plascon Velvagro Polyurethane Velvet Enamel (VLO)" paint</u>							
2	On doors.	m2	68	R	-	R	-
3	On door frames, etc.	m2	2	R	-	R	-
<b><u>PAINTWORK ETC TO NEW WORK</u></b>							
<b><u>ON PVC</u></b>							
<u>Lightly sand surface and apply one coat "Merit Universal Undercoat (UC1) and two coats "Super Universal Enamel" paint</u>							
4	On vent pipes not exceeding 100mm diameter (Black)	m	60	R	-	R	-
<b><u>ON PUTTY</u></b>							
<u>One coat "Merit Universal Undercoat (UC1) and two coats "Super Universal Enamel" paint</u>							
5	On windows	m2	7	R	-	R	-
<b>Carried Forward to Summary of Section No. 2</b>							

**SECTION SUMMARY - ISIHLANGWINI PRIMARY SCHOOL**

- 1 Alterations
- 2 Pre-cast Concrete
- 3 Masonry
- 4 Waterproofing
- 5 Roof Coverings
- 6 Carpentry & Joinary (Provisional)
- 7 Ironmongery
- 8 Metalwork
- 9 Plastering (Provisional)
- 10 Plumbing & Drainage (Provisional)
- 11 Glazing
- 12 Paintwork

**Carried to Final Summary**


**SECTION 3****SITE WORKS****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 building with mono-pitched roof, 1.15 x 2.3m on plan and 2,50m 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, 1.15 x 2.3 x 2m deep, in layers not exceeding 300mm thick | No | 1 | R | - | R | - |
| 2 | Single storey building with mono-pitched roof, 1.55 x 3.5m on plan and 2,50m 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, 1.55 x 3.5 x 2m deep, in layers not exceeding 300mm thick | No | 1 | R | - | R | - |
| 3 | Single storey building with mono-pitched roof, 5.3 x 6.3m on plan and 2,50m 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, 5,40 x 3.5 x 2m deep, in layers not exceeding 300mm thick  | No | 1 | R | - | R | - |
| 4 | Single storey building with mono-pitched roof, 2.15 x 3.3m on plan and 2,50m 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, 2,15 x 3,3 x 2m deep, in layers not exceeding 300mm thick | No | 1 | R | - | R | - |

**GENERAL SITEWORKS**Site clearance

- |   |   |    |     |   |   |   |   |
|---|---|----|-----|---|---|---|---|
| 5 | Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc. | m2 | 391 | R | - | R | - |
|---|---|----|-----|---|---|---|---|

Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 93% Mod AASHTO density

- |   |   |    |     |   |   |   |   |
|---|---|----|-----|---|---|---|---|
| 6 | Over site to form platforms   | m3 | 50  | R | - | R | - |
|   | <u>Moving or placing material from excavations in various positions on site as indicated</u>  |    |     |   |   |   |   |
| 7 | Boulders  | m3 | 10  | R | - | R | - |
|   | <u>Carting away</u>   |    |     |   |   |   |   |
| 8 | Builders rubble and surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor. | m3 | 126 | R | - | R | - |

**WALKWAYS, APRONS, STEPS, ETC**Excavation in soft material not exceeding 2m deep

- |   |  |    |   |   |   |   |   |
|---|--|----|---|---|---|---|---|
| 9 | To reduce levels under walkway, aprons, etc. | m3 | 9 | R | - | R | - |
|---|--|----|---|---|---|---|---|

Compaction of surfaces

- |    |   |    |    |   |   |   |   |
|----|---|----|----|---|---|---|---|
| 10 | 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 | 63 | 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

- |    |                              |    |   |   |   |   |   |
|----|------------------------------|----|---|---|---|---|---|
| 11 | Under walkways, aprons, etc. | m3 | 9 | R | - | R | - |
|----|------------------------------|----|---|---|---|---|---|

Extra over all excavations for carting away

- |    |   |    |   |   |   |   |   |
|----|---|----|---|---|---|---|---|
| 12 | Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor. | m3 | 9 | R | - | R | - |
|----|---|----|---|---|---|---|---|

Concrete class 20/19

13	Walkways, aprons, steps, etc. <u>Finishing top surfaces of concrete smooth with a wood float to class U2 finish</u>	m3	6	R	-	R	-
14	Walkways, aprons, etc. to falls. <u>Smooth formwork, class F2, to:</u>	m2	63	R	-	R	-
15	Edges, risers, etc. not exceeding 300mm high or wide. <u>Expansion joints with bitumen impregnated softboard between vertical concrete or brick surfaces</u>	m	28	R	-	R	-
16	12mm Joints, not exceeding 300mm high. <u>Fabric reinforcement</u>	m	105	R	-	R	-
17	Type 193 fabric reinforcement in concrete surface beds, slabs, etc. <b><u>PAVING</u></b> <u>Excavation in earth not exceeding 2m deep</u>	m2	63	R	-	R	-
18	To reduce levels under paving, etc. <u>Compaction of surfaces</u>	m3	2	R	-	R	-
19	Compaction of ground surface under platforms, etc., including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% Mod AASHTO density. <u>Approved gravel filling (G7) supplied and carted on by the contractor, compacted in layers not exceeding 150mm thick to 93% Mod AASHTO density</u>	m2	12	R	-	R	-
20	Under walkways, pavings, etc. <u>60mm Thick interlocking bevelled precast concrete, brick, etc. pavers, on and including 25mm thick compacted sand bed with fine jointing sand swept and vibrated into joints, approved weed killer applied at prescribed rates, etc. including inspection and re-sanding at the end of the retention period if necessary and neat flush intersection with adjoining paving, etc.</u>	m3	2	R	-	R	-
21	Walkways, pavings, etc. to falls. <u>Precast concrete kerbing, finished smooth on exposed surfaces including bedding, jointing and pointing</u>	m2	12	R	-	R	-
22	Kerb (SABS 927 fig. 11), size 75 x 150mm high, bedded in 325 x 50mm thick unreinforced concrete (10MPa/19mm), with 150 x 100mm high unreinforced concrete (10MPa/19mm), continuous triangular haunching to the front and 100 x 75mm high at back, including excavation, backfilling, etc., circular on plan.	m	10	R	-	R	-
Carried Forward to Summary of Section No. 3							

**BILL NO 2****EXTERNAL PLUMBING AND DRAINAGE****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 7 R - R -

- 2 Extra for angles, intersections, ends, etc.

No 2 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 2 R - R -

**WATER SUPPLY**

High density polypropylene class 4 pressure water pipes with compression fittings

- 4 25mm Pipes laid in and including trenches.

m 45 R - R -

Extra over piping for plasson screwed type fittings

- 5 25mm Fittings.

No 30 R - R -

Taps, valves, etc

- 6 25mm Brass fullway gate valve.

No 5 R - R -

**INSPECTION CHAMBERS, MANHOLES, ETC.**

The following in soakaways, french drains, etc.

- 7 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 R - R -

**DE-SLUDGING OF CONSERVANCY TANKS**

- 8 De-sludge existing conservancy tanks and removal of to safe dumping site.

m3 97 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 ISIHLANGWINI PRIMARY 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.

10.00%

Sub Total

**ADD: 15%** (Fifteen percent) of Sub-Total for Value Added Tax

15.00%

**Carried to Form of Tender**