

Item No	Unit	Quantity	Rate	Amount
<b><u>SECTION NO.1</u></b>				
<b><u>PRELIMINARIES</u></b>				
<b><u>BILL NO 1</u></b>				
<b><u>PRELIMINARIES</u></b>				
<b><u>BUILDING AGREEMENT AND PRELIMINARIES</u></b>				
<p>The JBCC Series 2000 Principal Building Agreement (JBCC 2005 4.1 Edition) prepared by the Joint Building Contract Committee shall be the applicable building agreement, amended as hereinafter described</p> <p>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</p> <p>Contractors are referred to the above mentioned documents for the full intent and meaning of each clause thereof</p> <p>These clauses are hereinafter referred to by clause number and heading only. 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 and such modifications, corrections or supplements shall take precedence notwithstanding anything contrary contained in the above mentioned documents</p> <p>Where any item is not relevant to this specific contract such item is marked N/A, signifying "not applicable"</p>				
<b><u>PREAMBLES FOR TRADES</u></b>				
<p>The Model Preambles for Trades (2008 edition) as published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these bills of quantities and no claims arising from brevity of description of items fully described in the said Model Preambles will be entertained</p>				
<b>Carried Forward</b>			R	
Section No. 1 Bill No. 1 Preliminaries				

<b>Brought Forward</b>		R	
<p>Supplementary preambles are incorporated in these bills of quantities to satisfy the requirements of this project. Such supplementary preambles shall take precedence over the provisions of the said Model Preambles</p>			
<p>The contractor's prices for all items throughout these bills of quantities must take account of and include for all of the obligations, requirements and specifications given in the said Model Preambles and in any supplementary preambles</p>			
<b><u>PRICING OF PRELIMINARIES</u></b>			
<p>Should the contractor select Option A in terms of sub-clause 3.2.1 in the Contract Data - Contractor to Employer (CE) for the purpose of adjustment of these preliminaries, the amount entered into the amount column in these preliminaries is to be divided into one or more of the three categories provided namely Fixed (F), Value Related (V) and Time Related (T)</p>			
<b><u>SECTION A - PRINCIPAL BUILDING AGREEMENT</u></b>			
<b><u>Definitions</u></b>			
<p>1 Clause 1.0 - Definitions and interpretation</p> <p>F:..... V:..... T:.....</p>	Item		
<b><u>Objective and preparations</u></b>			
<p>2 Clause 2.0 - Offer acceptance and performance obligations</p> <p>F:..... V:..... T:.....</p>	Item		
<p>3 Clause 3.0 - Documents</p> <p>F:..... V:..... T:.....</p>	Item		
<p>4 Clause 4.0 - Design responsibility</p> <p>F:..... V:..... T:.....</p>	Item		
<p>5 Clause 5.0 - Employer's agents</p> <p>F:..... V:..... T:.....</p>	Item		
<b>Carried Forward</b>		R	
<p>Section No. 1 Bill No. 1 Preliminaries</p>			

<b>Brought Forward</b>			R
6	Clause 6.0 - Contractor's site representative F:..... V:..... T:.....	Item	
7	Clause 7.0 - Compliance with laws and regulations F:..... V:..... T:.....  Without limiting the generality of the provisions of clause 7.0, the contractor's attention is drawn to the provisions of the Construction Regulations, 2003 issued in terms of the Occupational Health and Safety Act, 1993. It is specifically stated that the employer shall prepare a documented health and safety specification for the works and that the employer shall ensure that the contractor has made provision for the cost of health and safety measures during the execution of the works. The contractor shall price opposite this item for compliance with the act and the regulations and the reasonable provisions of the aforementioned health and safety specifications	Item	
8	The contractor shall allow for and pay any levies required by the National Home Builders Registration Council (NHBRC). The contractor warrants that he is registered and will maintain registration with the NHBRC for the duration of this agreement F:..... V:..... T:.....	Item	
9	Clause 8.0 - Works risk F:..... V:..... T:.....	Item	
10	Clause 9.0 - Indemnities F:..... V:..... T:.....	Item	
11	Clause 10.0 - General insurances F:..... V:..... T:.....	Item	
12	Clause 11.0 - Special insurances F:..... V:..... T:.....	Item	
13	Clause 12.0 - Effecting insurances F:..... V:..... T:.....	Item	
<b>Carried Forward</b>			R
Section No. 1 Bill No. 1 Preliminaries			

Brought Forward			R
14	Clause 13.0 - Assignment F:..... V:..... T:.....	Item	
15	Clause 14.0 - Security F:..... V:..... T:.....	Item	
<b><u>Execution</u></b>			
16	Clause 15.0 - Preparation for and execution of the works F:..... V:..... T:.....	Item	
17	Clause 16.0 - Site and access F:..... V:..... T:.....	Item	
18	Clause 17.0 - Contract instructions F:..... V:..... T:.....	Item	
19	Clause 18.0 - Setting out of the works The contractor shall notify the principal agent if any encroachments of adjoining foundations, buildings, structures, pavements, boundaries, etc. exist in order that the necessary arrangements may be made for the rectification of any such encroachments. F: ..... V:.....T:.....	Item	
20	Clause 19.0 - Temporary works and plant F:..... V:..... T:.....	Item	
21	Clause 20.0 - Nominated subcontractors F:..... V:..... T:.....	Item	
22	Clause 21.0 - Selected subcontractors F:..... V:..... T:.....	Item	
23	Clause 22.0 - Employer's direct contractors F:..... V:..... T:.....	Item	
<b>Carried Forward</b>			R
Section No. 1 Bill No. 1 Preliminaries			

Brought Forward			R
24	Clause 23.0 - Contractor's domestic subcontractors F:..... V:..... T:..... <b>Completion</b>	Item	
25	Clause 24.0 - Practical completion F:..... V:..... T:.....	Item	
26	Clause 25.0 - Works completion F:..... V:..... T:.....	Item	
27	Clause 26.0 - Final completion F:..... V:..... T:.....	Item	
28	Clause 27.0 - Latent defects liability period F:..... V:..... T:.....	Item	
29	Clause 28.0 - Sectional completion F:..... V:..... T:.....	Item	
30	Clause 29.0 - Revision of date for practical completion  The removal and replacement of materials and/or workmanship which do not conform to specification or drawing shall not constitute grounds for the extension of the construction period nor for the adjustment of the contract value (Clause 29.3)  F:..... V:..... T:.....	Item	
31	Clause 30.0 - Penalty for late or non-completion F:..... V:..... T:..... <b>Payment</b>	Item	
32	Clause 31.0 - Interim payment  Clause 31.6.5 shall be deemed to be deleted  Materials and goods stored off site shall not be included in the amount authorised for payment  F:..... V:..... T:.....	Item	
Carried Forward			R
Section No. 1 Bill No. 1 Preliminaries			

	<b>Brought Forward</b>		R
33	<p>Clause 32.0 - Adjustment to the contract value</p> <p>Notwithstanding the provision of clause 32.13 or any other clause, all fluctuations in costs, with the exception of fluctuations in the rate of Value Added Tax, shall be for the account of the contractor</p> <p>F:..... V:..... T:.....</p>	Item	
34	<p>Clause 33.0 - Recovery of expense and loss</p> <p>F:..... V:..... T:.....</p>	Item	
35	<p>Clause 34.0 - Final account and final payment</p> <p>F:..... V:..... T:.....</p>	Item	
36	<p>Clause 35.0 - Payment to other parties</p> <p>F:..... V:..... T:.....</p> <p><b><u>Termination</u></b></p>	Item	
37	<p>Clause 36.0 - Termination by employer - contractor's default</p> <p>F:..... V:..... T:.....</p>	Item	
38	<p>Clause 37.0 - Termination by employer - loss and damage</p> <p>F:..... V:..... T:.....</p>	Item	
39	<p>Clause 38.0 - Termination by contractor - employer's default</p> <p>F:..... V:..... T:.....</p>	Item	
40	<p>Clause 39.0 - Termination - cessation of the works</p> <p>F:..... V:..... T:.....</p> <p><b><u>Dispute</u></b></p>	Item	
41	<p>Clause 40.0 - Settlement of disputes</p> <p>F:..... V:..... T:.....</p>	Item	
	<b>Carried Forward</b>		R
	<p>Section No. 1</p> <p>Bill No. 1</p> <p>Preliminaries</p>		

<b>Brought Forward</b>			R
<b><u>Contract agreement</u></b>			
42	Clause 41.0 - Post tender provisions	Item	
43	Clause 42.0 - Contractual agreement	Item	
<b>1.0 CONTRACT DATA EMPLOYER - CONTRACTOR</b>			
<p>The JBCC series 2000 Principal Building Agreement Edition 4.1 Contract Data - Employer to Contractor addendum contains all variables referred to in the Principal Building Agreement that are the responsibility of the Employer to provide the appropriate information that is necessary for the Contractor to complete his tender.</p>			
<b>1.0 CONTRACTING AND OTHER PARTIES</b>			
1.1	Employer : <b>Development Bank of South Africa (DBSA)</b>		
	Address : 1258 Lever Rd, Headway Hill, Midrand 1685		
	Telephone : 011 313 3500		
<b>Carried Forward</b>			R
Section No. 1 Bill No. 1 Preliminaries			

<p style="text-align: right;"><b>Brought Forward</b></p> <p>Telephone :</p> <p>E-mail :</p> <p>1.5 Agent's Service: <b>Civil &amp; Structural Engineers</b></p> <p style="text-align: right;">90</p> <p>1.6 Agent's Service: <b>Electrical Engineers</b></p> <p>Agent</p> <p>Address</p> <p style="text-align: right;"><b>Carried Forward</b></p> <p>Section No. 1</p> <p>Bill No. 1</p> <p>Preliminaries</p>			<p>R</p> <p>R</p>
---	--	--	-------------------



**Brought Forward**

R

**2.0 CONTRACT AND SITE INFORMATION**

2.1 Law applicable to this agreement:  
Republic of South Africa

2.2 Works Identification:  
The description hereunder is a general guide only.  
1. The scope of the works comprises the repairs, maintenance, and renovations.  
2. Storm water drainage  
3. Boundary Fence

2.3 Site Description:  
The location of the site: Illembe Primary School in Richard Bay area  
Coordinates: \_\_\_\_\_ **N**  
\_\_\_\_\_ **E**

2.4 Possession of the site is intended to be given on:  
**24th November 2022**

2.5 Period for the commencement of the works after the contractor takes possession of the site:  
1 Working Day

2.6 Completion of the works in sections is required: **Yes**  
(To be advised working with SGB, Principal and Principal Agent)

2.7 Waiver of the contractor's lien or right of continuing possession is required: **N/A**

2.8 Defined restrictions to the site area: **Yes**

As detailed and noted in the Bills of Quantities.

2.9 Geotechnical investigation of the site has been undertaken: **N/A**

2.10 Existing premises will be occupied: **Yes**

As stated and noted in the Bill of Quantities.

2.11 Provision of temporary services is required: **Yes**

2.11.1 Water: Option B

2.11.2 Electricity: Option B

2.11.3 Telecom: Option A

2.11.4 Ablutions: Option B

2.12 Protection of existing trees and shrubs is required:  
**Yes**

**Carried Forward**

R

Section No. 1  
Bill No. 1  
Preliminaries

<b>Brought Forward</b>			<b>R</b>
<b>3.0 INSURANCES AND SECURITIES</b>			
3.1 Contract works insurance to be effected by: <b>CONTRACTOR</b> For the sum of: <b>Contract value +10%</b> With a deductible of: <b>R nil</b>			
3.2 Supplementary/Special insurance required: <b>No</b>			
3.3 Public liability insurance to be effected by: <b>CONTRACTOR</b> For the amount of: <b>R 5,000,000.00</b> With a deductible of: <b>R. Nil</b>			
3.4 Support insurance required: <b>No</b>			
3.5 Special insurance required: <b>No</b>			
<b>4.0 PRACTICAL COMPLETION DATES AND PENALTIES</b>			
4.1 For the works as a whole: The date for practical completion: 05th May 2023  Penalty per calendar day: <b>0.04% of the Contract Value</b>			
<b>Carried Forward</b>			<b>R</b>
Section No. 1 Bill No. 1 Preliminaries			

**Brought Forward**

R

**5.0 DOCUMENTS AND GENERAL**

5.1 Construction document copies to be supplied to the

Contractor free of charge: **3 (THREE)**

Thereafter all drawings and documents will issued **electronically**

5.2 The priced document may be used as a specification of materials and goods and work methods: **No**

5.3 The contractor shall provide a schedule of rates: **No**

5.4 Changes made to JBCC standard documents: **Refer to the Tender document**

5.5 On acceptance of the tender the priced document is to be submitted within:

**5 Working Days**

5.6 Work to be undertaken by direct contractors: **No**

The Employer reserves the right to appoint any person to perform any works what-so-ever on the site.

The definable works items are:

1. Maintenance, repairs and renovations of all building blocks
2. Stormwater Drainage
3. Supply and install boundary security fence

5.7 On achievement of practical completion the contractor is to hand over manuals, etc. related to the works:

- (1) Electrical certificate
- (2) All compliance Certificates

5.8 Interim payment certificate to be issued by:  
To be agreed

**6.0 CHANGES MADE TO THE STANDARD JBCC DOCUMENT**

Changes made to the standard JBCC document: Not Applicable

**CONTRACT DATA CONTRACTOR - EMPLOYER****Carried Forward**

R

Section No. 1  
Bill No. 1  
Preliminaries

**Brought Forward**

R

The JBCC series 2000 Principal Building Agreement Edition 4.1, Contract Data - Contract to Employer addendum contains all variable referred to in the Principal Building Agreement that are the responsibility of the Contractor to provide the appropriate information that is necessary for the Contractor to complete his tender.

**3.0 PAYMENT AND ADJUSTMENT OF PRELIMINARIES****3.1 & 3.2.5 Payment of Preliminaries:**

The payment of preliminaries shall be according to the option selected by the contractor. The amount included in each monthly payment certificate in respect of preliminaries as stated in the contract data shall be:

Option A or B

**3.2.1 - 2 & 3.2.6 Adjustment of Preliminaries:**

Option A or B

**3.2.3 Payment certificate cash flow:** The Contractor shall provide all reasonable assistance to the principal agent in preparation of cash flow projections of claims for payment certificates where required by the employer. The projections shall be based on the programme and shall be updated as and when the programme requires updating.

**3.2.4 The contract value shall be adjusted according CPAP: No (Fixed Contract)**

**5.0 THE TENDER**

**5.1** This is to be submitted to the Employer at the street address provided in the invitation to tender before the tender closing date and time stated therein.

**5.2** By the submission of the tender to the Employer The Tenderer offers and agrees to the contract for, execute and complete the works for the tender sum stated.

**5.3** Tenders will be opened in public directly after the the stated closing time. Only the total tender sum as stated in each tender will be announced.

**5.4** The lowest or any tender will not necessarily be accepted.

**5.5** The Tender will remain in full legal force for thirty

**Carried Forward**

R

Section No. 1  
Bill No. 1  
Preliminaries

<b>Brought Forward</b>			R
<p><b>(90) calendar days.</b> The Tenderer accepts liability for damages as may be suffered by the employer should the tender validity period not be honoured.</p> <p>5.6 This tender takes into account all listed items [4.0] for the purpose of preparing and submitting this tender.</p> <p>5.7 The successful tenderer will be appointed in terms of the JBCC Principal Building Agreement.</p> <p><b><u>SECTION B - PRELIMINARIES</u></b></p> <p><b><u>Definitions and interpretation</u></b></p>			
44	<p>Clause 1.0 - Definitions and interpretation</p> <p>F:..... V:..... T:.....</p> <p><b><u>Documents</u></b></p>	Item	
45	<p>Clause 2.1 - Checking of documents</p> <p>F:..... V:..... T:.....</p>	Item	
46	<p>Clause 2.2 - Provisional bills of quantities</p> <p>These bills of quantities are provisionally measured and the subsequent trades are budgetary allowances</p> <p>F:..... V:..... T:.....</p>	Item	
47	<p>Clause 2.3 - Availability of construction documentation - Yes</p> <p>F:..... V:..... T:.....</p> <p><b><u>Previous work and adjoining properties</u></b></p>	Item	
48	<p>Clause 3.1 - Previous work - dimensional accuracy</p> <p>F:..... V:..... T:.....</p>	Item	
49	<p>Clause 3.2 - Previous work - defects</p> <p>F:..... V:..... T:.....</p>	Item	
50	<p>Clause 3.3 - Inspection of adjoining properties</p> <p>F:..... V:..... T:.....</p>	Item	
<b>Carried Forward</b>			R
<p>Section No. 1</p> <p>Bill No. 1</p> <p>Preliminaries</p>			

Brought Forward			R
51	Interests of agents (B2.4) F:..... V:..... T:.....	Item	
52	Priced documents (B2.5) F:..... V:..... T:.....	Item	
53	Tender submission (B2.6) F:..... V:..... T:.....	Item	
<b><u>Management of contract (B4)</u></b>			
54	Management of the works (B4.1) F:..... V:..... T:.....	Item	
55	Programme for the works (B4.2) F:..... V:..... T:.....	Item	
56	Progress meetings (B4.3) F:..... V:..... T:.....	Item	
57	Technical meetings (B4.4) F:..... V:..... T:.....	Item	
58	Labour and Plant records (B4.5) F:..... V:..... T:.....	Item	
<b><u>Samples, shop drawings and manufacturer's instructions</u></b>			
59	Clause 4.1 - Samples of materials F:..... V:..... T:.....	Item	
60	Clause 4.2 - Workmanship samples F:..... V:..... T:.....	Item	
61	Clause 4.3 - Shop drawings F:..... V:..... T:.....	Item	
Carried Forward			R
Section No. 1 Bill No. 1 Preliminaries			

Brought Forward			R
62	Clause 4.4 - Compliance with manufacturer's instructions F:..... V:..... T:.....	Item	
<b><u>Deposits and fees</u></b>			
63	Clause 5.1 - Deposits and fees F:..... V:..... T:.....	Item	
64	Enclosure of the works (B6.2) F:..... V:..... T:.....	Item	
65	Advertising (B6.3) F:..... V:..... T:.....	Item	
66	Plant, equipment, sheds and offices (B6.4) F:..... V:..... T:.....	Item	
67	Main notice board (B6.5) F:..... V:..... T:.....	Item	
68	Subcontractors' notice board (B6.6) F:..... V:..... T:.....	Item	
<b><u>Temporary services</u></b>			
69	Clause 6.1 - Water F:..... V:..... T:.....	Item	
70	Clause 6.2 - Electricity F:..... V:..... T:.....	Item	
71	Clause 6.3 - Telecommunication facilities F:..... V:..... T:.....	Item	
72	Clause 6.4 - Ablution facilities F:..... V:..... T:.....	Item	
<b>Carried Forward</b>			R
Section No. 1 Bill No. 1 Preliminaries			

	<b>Brought Forward</b>		R
	<b><u>Prime cost amounts</u></b>		
73	Clause 7.1 - Responsibility for prime cost amounts F:..... V:..... T:.....	Item	
	<b><u>Attendance on N/S Subcontractors (B9)</u></b>		
74	General attendance (B9.1)	Item	
	<b><u>Special attendance on n/s subcontractors</u></b>		
75	Clause 8.1 - Special attendance F:..... V:..... T:.....	Item	
	<b><u>Financial aspects (B10)</u></b>		
	Statutory taxes, duties and levies (B10.1) F:..... V:..... T:.....	Item	
76	Payment of preliminaries (B10.2) <b>Option [A] / [B] shall apply</b>	Item	
77	Adjustment of preliminaries (B10.3) F:..... V:..... T:.....	Item	
78	Payment certificate cash flow (B10.4) F:..... V:..... T:.....	Item	
	<b><u>General</u></b>		
79	Clause 9.1 - Protection of the works F:..... V:..... T:.....	Item	
80	Clause 9.2 - Protection/isolation of existing/sectionally occupied works F:..... V:..... T:.....	Item	
81	Clause 9.3 - Security of the works F:..... V:..... T:.....	Item	
	<b>Carried Forward</b>		R
	Section No. 1 Bill No. 1 Preliminaries		



<b>Brought Forward</b>		
82	Clause 9.4 - Notice before covering work F:..... V:..... T:.....	Item
83	Clause 9.5 - Disturbance F:..... V:..... T:.....	Item
84	Clause 9.6 - Environmental disturbance F:..... V:..... T: .....	Item
85	Clause 9.7 - Works cleaning and clearing F:..... V:..... T:.....	Item
86	Clause 9.8 - Vermin F:..... V:..... T:.....	Item
87	Clause 9.9 - Overhand work F:..... V:..... T:.....	Item
88	Instruction manuals and guarantees (B11.10) F:..... V:..... T:.....	Item
89	As built information (B11.11) F:..... V:..... T:.....	Item
90	Tenant Installations (B11.12) F:..... V:..... T:.....	Item
<b><u>Schedule of variables</u></b>		
Information necessary for elections and completion of those clauses contained in the schedule which are necessary for tender purposes is given hereunder. Where no information is given it shall mean that no specific requirements are expected or that the clause is not relevant to this specific contract		
10.1 - Provisional bills of quantities [clause 2.2] The quantities are provisional		
<b>Yes</b>		
<b>Carried Forward</b>		
Section No. 1 Bill No. 1 Preliminaries		

R

R

<b>Brought Forward</b>		R
10.2 - Availability of construction documentation [clause 2.3]	Construction documentation is complete <b>Yes</b>	
10.3 - Previous work - dimensional accuracy [clause 3.1]	<b>N/A</b>	
10.4 Interest of agents (B2.4)	<b>NO</b>	
10.5 Defined works area (B3.1)		
<b>1. Maintenance, repairs and renovation of all building blocks</b> <b>2. Stormwater drainage</b> <b>3. Boundary Security fencing and gates.</b>		
10.6 Geotechnical investigation (B3.2)	<b>N/A</b>	
10.7 Existing premises occupied (B3.4)	<b>Yes</b>	
10.8 Previous work - dimensional accuracy (B3.4)	<b>N/A</b>	
10.9 Previous work - defects [clause 3.2]	<b>N/A</b>	
10.10 Services - known (B3.7)	<b>NO - Tenderer must allow for investigation of the correct location where needed.</b>	
10.11 Protection of trees (B3.9)	<b>YES</b>	
10.12 Inspection of adjoining properties [clause 3.3]	<b>YES</b>	
<b>Carried Forward</b>		R
Section No. 1 Bill No. 1 Preliminaries		

<b>Brought Forward</b>		R
10.13	Enclosure of the works (B6.2)	
	<b>YES</b>	
10.14	Offices (B6.4.3)	
	<b>YES</b>	
10.15	Main notice board (B6.5)	
	<b>YES, as per the Architect Design</b>	
10.16	Subcontractors notice board (B6.6)	
	A notice board is not required	<b>No</b>
10.17	- Water [clause 7.2]	
	Option A (by Contractor)	<b>YES</b>
10.18	- Electricity [clause 7.3]	
	Option A (by Contractor)	<b>YES</b>
10.19	- Telecommunications [clause 7.4]	
	Telkom/Cell (by Contractor)	<b>YES</b>
10.20	- Ablution facilities [clause 7.5]	
	Option A (by Contractor)	<b>YES</b>
10.21	- Protection of the works [clause 9.1]	
10.22	-Protection/isolation of existing/sectionally occupied works [clause 9.2]	
	<b>Protection/isolation is required</b>	
10.23	- Disturbance [clause 9.5]	
10.24	- Environmental disturbance [clause 9.6]	
	<b><u>Post tender information (B12.2)</u></b>	
10.25	Payment of preliminaries	
	Alternative selected: A and or B	
	<b>Carried Forward</b>	R
Section No. 1		
Bill No. 1		
Preliminaries		

Brought Forward

R

10.26 Adjustment of preliminaries  
Alternative selected: A

10.27 Additional agreed preliminaries items

### **SECTION C - SPECIFIC PRELIMINARIES**

#### 91 **Site instructions**

Instructions issued on site are to be recorded in triplicate in a site instruction book which is to be maintained on site by the contractor

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

Item

#### 92 **Warranties for material and workmanship**

Where warranties for materials and/or workmanship are called for, the contractor shall obtain a written warranty, addressed to the employer, from the firm supplying the materials and/or doing the work and shall deliver same to the principal agent on the certified completion of the contract. The warranty shall state that workmanship, materials and installation are warranted for a specified period from the date of final completion and that any defects that may arise during the specified period shall be made good at the expense of the firm supplying the materials and/or doing the work, upon written notice to do so. The warranty will not be enforced if the work is damaged by defects in the construction of the building in which case the responsibility for replacement shall rest entirely with the contractor

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

Item

Carried Forward

R

Section No. 1  
Bill No. 1  
Preliminaries

	<b>Brought Forward</b>			R
93	<b>Co-operation of contractor for cost management</b>  It is specifically agreed that the contractor accepts the obligation of assisting the principal agent in implementing proper cost management. The contractor will be advised by the principal agent of all cost management procedures which will be implemented to ensure that the final building cost does not exceed the budget. The principal agent undertakes to make available to the contractor all budgetary allowances and cost assessments/reports to enable the proper procedure to be implemented and the contractor shall attend all cost plan review and cost management meetings. The contractor undertakes to extend these procedures, as necessary, to all subcontractors  F:..... V:..... T:.....	Item		
94	<b>Propping of floors below</b>  The contractor is advised that propping of floors below may be required if he wishes to use any areas of completed suspended reinforced concrete slabs for vehicle access, storage of materials and goods and location of plant, scaffolding, etc. The location of these areas and any necessary propping shall be approved by the principal agent and the cost thereof shall be borne by the contractor  F:..... V:..... T:.....	Item		
95	<b>Agreement: Code of conduct for Contractors</b>  The Contractor must comply with the agreement: Code of Conduct for Contractors, as per Client requirements  F:..... V:..... T:.....	Item		
96	<b>Rules and Regulations</b>  The Contractor must comply with the Rules and Regulations (as per Client's requirements)  F:..... V:..... T:.....	Item		
	<b>Carried Forward</b>			R
	Section No. 1 Bill No. 1 Preliminaries			

	<b>Brought Forward</b>			R
97	<b><u>LOCAL LABOUR</u></b>  <p>It is a general requirement of this contract that persons normally resident in the locality of the works (local labour) be given preference for employment on the contract. Provided, however, that should adequate and appropriate labour not be available within the locality, other may be employed subject to satisfactory proof being provided that every reasonable endeavour has been made to employ local labour. The Contractor shall identify the local community leaders with the purpose of negotiating with them regarding the utilization of local labour in the construction process. In this regard, the Contractor shall furthermore give preference, wherever possible to the employment of single heads of households, women and youth. The Contractor shall, in general, maximize the involvement of the local community.</p> <p>F:..... V:..... T:.....</p>	Item		
98	<b><u>COMMUNITY LIAISON OFFICER</u></b>  <p>Allow for the sum of (R10.000.00 per month) for community Liaison Officer.</p>	Item		
99	<b><u>LABOUR RECORD</u></b>  <p>At the end of each week the contractor shall provide the principal agent with written record, in schedule form, reflecting the number and description of tradesmen and labours employed by him and all subcontractors on each day.</p> <p>F:..... V:..... T:.....</p>	Item		
	<b>Carried Forward</b>			R
	Section No. 1 Bill No. 1 Preliminaries			

	<b>Brought Forward</b>			R
100	<b><u>C13 HIV/AIDS Awareness</u></b>  <p>It is required of the contractor to thoroughly study the HIV/AIDS Specification (HIV 1 to HIV 4) of the Department of Public Works, which must be read together with and is deemed to be incorporated under this section of the Bills of Quantities. Provision for pricing of HIV/AIDS awareness is made under C13.1 to C13.5 hereafter and it is explicitly pointed out that all requirements of the aforementioned specification are deemed to be priced hereunder, as the said items represent the only method of measurement and no additional items or extras to the contract in this regard shall be entertained</p> <p>The contractor must take note that compliance with the HIV/AIDS Specification is compulsory. In the event of partial or total non-compliance, the</p> <p>F:..... V:..... T:.....</p>			
101	<b>C13.1 Awareness Champion</b>  <p>Selection, appointment, briefing and making available of an Awareness Champion including provision of all relevant services, all in accordance with the HIV/AIDS Specification.</p> <p>F..... V..... T.....</p>	Item		
102	<b>C13.3 Posters, Booklets, Videos, etc.</b>  <p>Provision, displaying, maintaining and replacing when necessary of four plastic laminated posters, booklets and educational videos, etc. for the</p> <p>F..... V..... T.....</p>	Item		
103	<b>C13.4 Access to condoms</b>  <p>Provision and maintenance of condom dispensers fixed in position, including male and female condoms, replenish 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.</p> <p>F..... V..... T.....</p>	Item		
	<b>Carried Forward</b>			R
	Section No. 1 Bill No. 1 Preliminaries			

	<b>Brought Forward</b>		R
104	<b>C13.5 Monitoring</b>  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, all in accordance with the HIV/AIDS Specification.  F..... V..... T.....	Item	
105	<b>C14 Occupational Health and Safety Act No. 85 of 1993</b>  Bidders are to allow for costs in providing a "Construction Phase Safety, Health and Environmental Plan". Bidders are further reminded that it is their responsibility to amend their safety plan if the assessed risk of the work changes in the slightest manner.  F..... V..... T.....	Item	
	<b><u>SUMMARY OF CATEGORIES</u></b>		
	Category : Fixed R.....		
	Category : Value R.....		
	Category : Time R.....		
	<b>Carried to Final Summary</b>		R
	Section No. 1		
	Bill No. 1		
	Preliminaries		



Item No	Unit	Quantity	Rate	Amount
<b><u>SECTION NO.2</u></b>				
<b><u>BLOCK A - STAFF ACCOMMODATION</u></b>				
<b><u>BILL NO.1</u></b>				
<b><u>ALTERATIONS AND DEMOLITIONS</u></b>				
<b><u>PREAMBLES</u></b>				
<p>The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.</p>				
<b><u>SUPPLEMENTARY PREAMBLES</u></b>				
<b><u>Damage and Repairs to Services</u></b>				
<p>Should the Contractor damage any services which are to remain in operation or any services which have not yet been disconnected prior to removal, then the Contractor will be held solely responsible for such damage and any further resultant damage.</p>				
<p>The Contractor shall immediately notify the Representative/Agent and the Authorities concerned and he shall at his own cost make all necessary arrangements for disconnection and repairs with the relevant Authorities and shall pay all fees and charges levied.</p>				
<b><u>Disposal of Materials</u></b>				
<p>All existing materials specified to be "removed", demolished and removed", "hacked up or off and removed", or "taken down or off and removed" or "broken down and removed", etc., become the property of the contractor. These materials and all debris, rubbish and earth must be carted away by the Contractor and the site must be left clean and unencumbered. The Contractor must make his own arrangements for dumping and shall pay all fees and charges levied.</p>				
<b>Carried Forward</b>			R	
<p>Section No. 2  Bill No. 1  Alterations and Demolitions</p>				

**Brought Forward**

R

If any of the bricks or other materials specified to be "removed" are sound and considered suitable for any portion of the new work they must be thoroughly cleaned off and stacked on site for inspection by the Representative/Agent must be obtained before any such materials are re-used in the new work.

All existing materials specified to be "taken down and set aside for re-use" or "taken down and set aside" shall remain the property of Employer and must be cleaned off, cleared off all nails, etc. and neatly stacked and stored on site by the Contractor where directed and carefully handled during taking down, storage and re-fixing. The Contractor will be held responsible for the safety of these materials and must take all necessary precautions for their protection and any damage or loss that may occur must be made good by the Contractor at his own expense.

The Contractor must visit the site and the buildings and acquaint himself fully with conditions and scope of alterations and demolitions. Descriptions herein are brief and are to serve as a means of identifying work only. The full extent of work is to be assessed by the contractor on site. All sizes indicated are approximate.

Rates for demolitions and alterations are to include for all needling, strutting and shoring, etc. that may be necessary whilst carrying out any portion of the work to ensure the stability of the building with suitable and substantial materials to the satisfaction of the Representative/Agent and remove when directed.

Old Materials to become the property of the contractor.

Old materials from alterations, except where described to be re-used or handed over, become the property of the contractor who must allow credit in the final summary.

Old Materials to be carted away:

Old materials from alterations, except where described to be re-used or handed over, as well as rubbish, etc. must be regularly carted from site and not to be allowed to accumulate on or around the site.

**Carried Forward**

R

Section No. 2  
Bill No. 1  
Alterations and Demolitions

Brought Forward				R
<u>Handling over of materials</u>				
Where certain materials or articles from alterations are described to be handed over by the contractor to the Regional Representative/Agent, such materials or articles shall be properly stored by the contractor, until handling over thereof.				
The Contractor must obtain an official receipt listing the materials or articles and dates of handing over. If the contractor fails to submit the receipt when requested to do so, it shall be deemed that the materials or articles are still in his possession and he will be held liable to the Municipality for the full replacement value thereof, which will be deducted from any monies due to the Contractor.				
<b><u>TEMPORARY BARRIERS, SCREENS, ETC.</u></b>				
<b><u>Temporary barriers, screens, etc. and including removal</u></b>				
1	Provide, fix, maintain, move and subsequently remove all temporary barriers, screens, overhead projections, etc. that may be necessary whilst carrying out any portion of the work for the protection of persons, animals and things, including the protection of existing buildings, structures, pavings and services on the remainder of the site	Item		
<b><u>REMOVAL OF EXISTING WORK</u></b>				
<b><u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc.</u></b>				
2	RhinoBoard ceiling, including cornices, timber bandering, etc.	m2	68	
<b><u>Taking up and removing wood block floor coverings, vinyl floor coverings, carpets, etc and preparing screeds for new floor coverings</u></b>				
3	Vinyl tile floor covering	m2	68	
<b><u>MAKING GOOD OF FINISHES, ETC.</u></b>				
<b><u>Making good</u></b>				
4	Make good screed to floors to receive new floor coverings (elsewhere)	m2	68	
<b>Carried Forward to Summary of Section No. 2</b>				R
Section No. 2				
Bill No. 1				
Alterations and Demolitions				

Item No		Unit	Quantity	Rate	Amount
	<b><u>SECTION NO.2</u></b>  <b><u>BLOCK A - STAFF ACCOMMODATION</u></b>  <b><u>BILL NO.2</u></b>  <b><u>ROOF COVERINGS. ETC.</u></b>  <b><u>PREAMBLES</u></b>  <p>The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.</p> <hr/> <p>(CPAP WORK GROUP NO. 124) unless otherwise stated</p> <b><u>SERVICE. REPAIRS. ETC. TO EXISTING WORKS</u></b>  <b><u>Service, repair and make good existing roof coverings</u></b>				
1	Service and make good the existing roof coverings including refixing roof sheets with new galvanised screws, patching all roof leaks with derbigum and leave roof in fully functional state for end user. (Provisional)	m2	68		
	<b>Carried Forward to Summary of Section No.</b> <div>2</div>				
	Section No. 2 Bill No. 2 Roof Coverings				
				R	

Item No	Unit	Quantity	Rate	Amount
<b><u>SECTION NO.2</u></b>				
<b><u>BLOCK A - STAFF ACCOMMODATION</u></b>				
<b><u>BILL NO.3</u></b>				
<b><u>CARPENTRY AND JOINERY</u></b>				
<b><u>PREAMBLES</u></b>				
<p>The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.</p> <hr/>				
<b><u>SUPPLEMENTARY PREAMBLES</u></b>				
<b><u>Fixing:</u></b>				
<p>Items described as nailed shall be deemed to be fixed with hardened stainless steel nails/slots pins/spinless screws to brick or concrete.</p> <p>Fixing brackets to be hot dipped galvanised where items not specifically mentioned.</p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere</p> <p><u>Decorative thermosetting plastic laminate covering</u></p> <p>Laminate covering shall be glued under pressure and edge strips of same shall be butt jointed at junctions with adjacent similar finish</p>				
<b><u>(CPAP WORK GROUP NO. 126) unless otherwise stated</u></b>				
<b><u>DOORS. ETC</u></b>				
Refer to Architectural door schedule.				
<b>Carried Forward</b>			R	
<p>Section No. 2  Bill No. 3  Carpentry and Joinery</p>				



Item No	Unit	Quantity	Rate	Amount
<b><u>SECTION NO.2</u></b>				
<b><u>BLOCK A - STAFF ACCOMMODATION</u></b>				
<b><u>BILL NO.4</u></b>				
<b><u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u></b>				
<b><u>PREAMBLES</u></b>				
The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.				
<hr/>				
<b><u>SUPPLEMENTARY PREAMBLES</u></b>				
<u>Fixing</u>				
Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete				
Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere				
<u>Ceilings</u>				
Unless otherwise described ceilings shall be deemed to be horizontal				
<b><u>CEILINGS, ETC.</u></b>				
<b><u>(CPAP WORK GROUP NO. 129) unless otherwise stated</u></b>				
<b><u>NAILED-UP CEILINGS</u></b>				
<b>Carried Forward</b>				R
Section No. 2				
Bill No. 4				
Ceilings, Partitions and Access Flooring				





Item No		Unit	Quantity	Rate	Amount
	<b><u>SECTION NO.2</u></b>				
	<b><u>BLOCK A - STAFF ACCOMMODATION</u></b>				
	<b><u>BILL NO.5</u></b>				
	<b><u>IRONMONGERY</u></b>				
	<b><u>PREAMBLES</u></b>				
	The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.				
	<b><u>(CPAP WORK GROUP NO. 132) unless otherwise stated</u></b>				
	<b><u>LOCKS</u></b>				
	<u>"Dorma" or similar approved</u>				
1	"Ref 390/313" four-lever mortice lockset	No	1		
	<b><u>SUNDRIES</u></b>				
2	38mm Diameter rubber door stop plugged	No	1		
	<b><u>KEY TAGS</u></b>				
3	28mm Diameter x 1mm thick brass key tags with one numeral and one letter engraved	No	1		
4	Approved standard stainless steel key rings	No	1		
	<b>Carried Forward to Summary of Section No.</b>				
	<b>2</b>				
	Section No. 2				
	Bill No. 5				
	Ironmongery				
				R	



Item No	Unit	Quantity	Rate	Amount
<b><u>SECTION NO.2</u></b>				
<b><u>BLOCK A - STAFF ACCOMMODATION</u></b>				
<b><u>BILL NO.7</u></b>				
<b><u>TILING</u></b>				
<b><u>PREAMBLES</u></b>				
<p>The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.</p>				
<b><u>SUPPLEMENTARY PREAMBLES</u></b>				
<p>Smooth, off form/shutter or power floated cement surfaces must be acid washed to remove laitance and rinsed with water</p>				
<p>No adhesive is to be applied to wet screeds nor to screeds with a water content greater than that required by the adhesive manufacturer.</p>				
<p>Loading and heavy duty installations</p>				
<p>In areas where the loading exceeds 20kg/m<sup>2</sup>, heavy traffic areas and floor areas which are frequently washed down or external and wet conditions flexible water resistant adhesives and grouts are recommended.</p>				
<p>Preparation of surfaces:</p>				
<p>On both walls and floors there are minimum curing periods for walls and concrete floors as well as screeds and plasters and they are as follows:</p>				
<p>On both walls and floors there are minimum curing periods for walls and concrete floors as well as screeds and plasters and they are as follows:</p>				
<p>Surfaces must be firm and free of dust, mould, oil, grease, wax polish and organic growth. Organic growth must be removed and the spores killed with an effective fungicide such as a household bleaching solution.</p>				
<b>Carried Forward</b>			R	
<p>Section No. 2 Bill No. 7 Tiling</p>				

Brought Forward			R
<p>Unless described as fixed with adhesive to plaster (plaster elsewhere), descriptions of tiling on brick or concrete walls, columns, etc., shall be deemed to include 1:4 cement plaster backing and descriptions of tiling on concrete floors etc. shall be deemed to include 1:3 plaster bedding.</p> <p><b><u>FLOOR TILING</u></b></p> <p><b><u>600 x 600 x 10mm Non slip glazed floor tiles fixed with high strength rapid setting adhesive to and plaster bedding on concrete ( elsewhere measured) and flush pointed with tinted waterproof jointing compound</u></b></p>			
1	On floors and landings	m2	68
2	Extra over tiles to floors for work done in patterns	m2	10
3	100mm High cut tile	m	29
<p><b>Carried Forward to Summary of Section No.</b></p> <p style="text-align: right;"><b>2</b></p> <p>Section No. 2 Bill No. 7 Tiling</p>			R

Item No		Unit	Quantity	Rate	Amount
	<b><u>SECTION NO. 2</u></b>  <b><u>BLOCK A - STAFF ACCOMMODATION</u></b>  <b><u>BILL NO.8</u></b>  <b><u>GLAZING</u></b>  <b><u>PREAMBLES</u></b>  The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.  <hr/> <b><u>(CPAP WORK GROUP NO. 150) unless otherwise stated</u></b>  <b><u>GLAZING TO STEEL WITH PUTTY</u></b>  <b><u>6mm Clear float glass</u></b>				
1	Panes exceeding 0,1m2 and not exceeding 0,5m2	m2	15		
	<b>Carried Forward to Summary of Section No.</b> <div style="text-align: right;"><b>2</b></div> Section No. 2 Bill No. 8 Glazing				
				R	

Item No	Unit	Quantity	Rate	Amount
<b><u>SECTION NO.2</u></b>				
<b><u>BLOCK A - STAFF ACCOMMODATION</u></b>				
<b><u>BILL NO.9</u></b>				
<b><u>PAINTWORK</u></b>				
<b><u>PREAMBLES</u></b>				
<p>The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.</p> <hr/>				
<b><u>SUPPLEMENTARY PREAMBLES</u></b>				
<b><u>PAINT SPECIFICATIONS</u></b>				
<p>All painting shall be done in accordance with "Plascon" specifications unless otherwise described</p> <p>Prime all skirtings and timber work not visible prior to installation. Further paint all glazing beads and reveals prior to glazing.</p> <p>Primers and first coats may be thinned in accordance with the paint specifications to aid the absorption of the paint.</p> <p>Where surfaces of plaster etc are sandy / friable, the first coat must be replaced with 'Merit' plaster primer thinned 10% with turpentine.</p> <p>All surfaces must be sound, clean and have a moisture content of less than 8% for walls generally and 3% for slabs/screeds etc.</p> <p>The paint and surface finishes specified herein are for normal applications as intended by the manufacturer. Should a finish be required for a surface other than that for which it would normally be used, then the specifier should contact manufacturer for approval.</p>				
<b>Carried Forward</b>			R	
<p>Section No. 2  Bill No. 9  Paintwork</p>				

Brought Forward			R
<b><u>COLOURS</u></b>			
Unless otherwise described all paintwork shall be deemed to have a colour value in excess of 7 on the Munsell system in accordance with SANS 1091			
<b><u>(CPAP WORK GROUP NO. 152) unless otherwise stated</u></b>			
<b><u>PAINTWORK ETC.</u></b>			
<b><u>ON INTERNAL FLOATED PLASTER SURFACES</u></b>			
<b><u>Prepare surfaces and remove all loose material, apply one coat 'Plascon Wall and All Pure Acrylic' thinned 20% and one coat 'Plascon Wall and All Pure Acrylic' paint or equal and approved:</u></b>			
1	On internal walls	m2	104
2	External walls	m2	67
<b><u>ON PLASTERBOARD</u></b>			
<b><u>Prepare surfaces and remove all loose material, apply one coat 'Merit Plaster Primer' and two coats 'Plascon Double Velvet Pure Acrylic' paint or equal and approved:</u></b>			
3	On ceilings and cornices	m2	68
<b><u>ON METAL</u></b>			
<b><u>Prepare surfaces and remove all loose material, dust, grease, salts and contamination with a degreaser, rinse and apply one coat Calcium Plumbate Primer, one coat Universal Undercoat and two coats High Gloss Enamel paint on galvanised steel:</u></b>			
4	On door frames	m2	3
5	On gates	m2	7
<b><u>ON WOOD</u></b>			
Carried Forward			R
Section No. 2			
Bill No. 9			
Paintwork			

7

**Apply Plascon meit plaster primer and two coats Plascon Velvagro Polyurethane Enamel paint.**

16

2

R



<b>Bill No</b>	<b>SECTION SUMMARY - BLOCK A - STAFF ACCOMMODATION</b>	<b>Page No</b>	<b>Amount</b>
1	Alterations and Demolitions	27	
2	Roof Coverings	28	
3	Carpentry and Joinery	30	
4	Ceilings, Partitions and Access Flooring	32	
5	Ironmongery	33	
6	Plumbing and Drainage	34	
7	Tiling	36	
8	Glazing	37	
9	Paintwork	40	
<b>Carried to Final Summary</b>			R
Section No. 2			

Item No	Unit	Quantity	Rate	Amount
<b><u>SECTION NO.3</u></b>				
<b><u>BLOCK D - ADMINISTRATION BLOCK</u></b>				
<b><u>BILL NO.1</u></b>				
<b><u>ALTERATIONS AND DEMOLITIONS</u></b>				
<b><u>PREAMBLES</u></b>				
<p>The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.</p>				
<b><u>SUPPLEMENTARY PREAMBLES</u></b>				
<b><u>Damage and Repairs to Services</u></b>				
<p>Should the Contractor damage any services which are to remain in operation or any services which have not yet been disconnected prior to removal, then the Contractor will be held solely responsible for such damage and any further resultant damage.</p>				
<p>The Contractor shall immediately notify the Representative/Agent and the Authorities concerned and he shall at his own cost make all necessary arrangements for disconnection and repairs with the relevant Authorities and shall pay all fees and charges levied.</p>				
<b><u>Disposal of Materials</u></b>				
<p>All existing materials specified to be "removed", demolished and removed", "hacked up or off and removed", or "taken down or off and removed" or "broken down and removed", etc., become the property of the contractor. These materials and all debris, rubbish and earth must be carted away by the Contractor and the site must be left clean and unencumbered. The Contractor must make his own arrangements for dumping and shall pay all fees and charges levied.</p>				
<b>Carried Forward</b>			R	
<p>Section No. 3  Bill No. 1  Alterations and Demolitions</p>				

**Brought Forward**

R

If any of the bricks or other materials specified to be "removed" are sound and considered suitable for any portion of the new work they must be thoroughly cleaned off and stacked on site for inspection by the Representative/Agent must be obtained before any such materials are re-used in the new work.

All existing materials specified to be "taken down and set aside for re-use" or "taken down and set aside" shall remain the property of Employer and must be cleaned off, cleared off all nails, etc. and neatly stacked and stored on site by the Contractor where directed and carefully handled during taking down, storage and re-fixing. The Contractor will be held responsible for the safety of these materials and must take all necessary precautions for their protection and any damage or loss that may occur must be made good by the Contractor at his own expense.

The Contractor must visit the site and the buildings and acquaint himself fully with conditions and scope of alterations and demolitions. Descriptions herein are brief and are to serve as a means of identifying work only. The full extent of work is to be assessed by the contractor on site. All sizes indicated are approximate.

Rates for demolitions and alterations are to include for all needling, strutting and shoring, etc. that may be necessary whilst carrying out any portion of the work to ensure the stability of the building with suitable and substantial materials to the satisfaction of the Representative/Agent and remove when directed.

Old Materials to become the property of the contractor.

Old materials from alterations, except where described to be re-used or handed over, become the property of the contractor who must allow credit in the final summary.

Old Materials to be carted away:

Old materials from alterations, except where described to be re-used or handed over, as well as rubbish, etc. must be regularly carted from site and not to be allowed to accumulate on or around the site.

**Carried Forward**

R

Section No. 3  
Bill No. 1  
Alterations and Demolitions

**Brought Forward**Handling over of materials

Where certain materials or articles from alterations are described to be handed over by the contractor to the Regional Representative/Agent, such materials or articles shall be properly stored by the contractor, until handing over thereof.

The Contractor must obtain an official receipt listing the materials or articles and dates of handing over. If the contractor fails to submit the receipt when requested to do so, it shall be deemed that the materials or articles are still in his possession and he will be held liable to the Municipality for the full replacement value thereof, which will be deducted from any monies due to the Contractor.

**TEMPORARY BARRIERS, SCREENS, ETC.****Temporary barriers, screens, etc. and including removal**

- 1 Provide, fix, maintain, move and subsequently remove all temporary barriers, screens, overhead projections, etc. that may be necessary whilst carrying out any portion of the work for the protection of persons, animals and things, including the protection of existing buildings, structures, pavings and services on the remainder of the site

Item

**REMOVAL OF EXISTING WORK****Taking down and removing roofs, floors, panelling, ceilings, partitions, etc**

- 2 RhinoBoard ceiling, including cornices, timber bandering, etc

m2

362

**Taking out and removing doors, ironmongery**

- 3 Timber single door including ironmongery

No

1

**Taking up and removing wood block floor coverings, vinyl floor coverings, carpets, etc and preparing screeds for new floor coverings**

- 4 Vinyl tile floor covering

m2

362

**Carried Forward**

R

Section No. 3  
Bill No. 1  
Alterations and Demolitions

Brought Forward		
<b><u>Taking out and removing sundry joinery work</u></b>		
5	Timber skirtings from brickwork	m 137
<b><u>Take out gutters</u></b>		
6	Gutters	m 65
<b><u>Making good</u></b>		
7	Make good affected 100mm thick surface beds and screed to floors ( <i>Guard House</i> )	m2 362
<p><b>Carried Forward to Summary of Section No. 3</b></p> <p>Section No. 3  Bill No. 1  Alterations and Demolitions</p>		

Item No		Unit	Quantity	Rate	Amount
	<b><u>SECTION NO.3</u></b>  <b><u>BLOCK D - ADMINISTRATION BLOCK</u></b>  <b><u>BILL NO.2</u></b>  <b><u>ROOF COVERINGS. ETC.</u></b>  <b><u>PREAMBLES</u></b>  <p>The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.</p> <hr/> <p>(CPAP WORK GROUP NO. 124) unless otherwise stated</p> <b><u>SERVICE. REPAIRS. ETC. TO EXISTING WORKS</u></b>  <b><u>Service, repair and make good existing roof coverings</u></b>				
1	Service and make good the existing roof coverings including refixing roof sheets with new galvanised screws, patching all roof leaks with derbigum and leave roof in fully functional state for end user. (Provisional) (All leaking roofs iBlocks B, C and D)	m2	362		
	<b>Carried Forward to Summary of Section No.</b> <div>3</div>				
	Section No. 3 Bill No. 2 Roof Coverings			R	

Item No	Unit	Quantity	Rate	Amount
<b><u>SECTION NO.3</u></b>				
<b><u>BLOCK D - ADMINISTRATION BLOCK</u></b>				
<b><u>BILL NO.3</u></b>				
<b><u>CARPENTRY AND JOINERY</u></b>				
<b><u>PREAMBLES</u></b>				
The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.				
<b><u>SUPPLEMENTARY PREAMBLES</u></b>				
<b><u>Fixing:</u></b>				
Items described as nailed shall be deemed to be fixed with hardened stainless steel nails/slots pins/spinless screws to brick or concrete.				
Fixing brackets to be hot dipped galvanised where items not specifically mentioned.				
Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere				
<u>Decorative thermosetting plastic laminate covering</u>				
Laminate covering shall be glued under pressure and edge strips of same shall be butt jointed at junctions with adjacent similar finish				
<b><u>(CPAP WORK GROUP NO. 126) unless otherwise stated</u></b>				
<b><u>EAVES. VERGES. ETC</u></b>				
<b>Carried Forward</b>			R	
Section No. 3 Bill No. 3 Carpentry and Joinery				





Item No	Unit	Quantity	Rate	Amount
<p><b><u>SECTION NO.3</u></b></p> <p><b><u>BLOCK D - ADMINISTRATION BLOCK</u></b></p> <p><b><u>BILL NO.4</u></b></p> <p><b><u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u></b></p> <p><b><u>PREAMBLES</u></b></p> <p>The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.</p> <hr/> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><u>Fixing</u></p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete</p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere</p> <p><u>Ceilings</u></p> <p>Unless otherwise described ceilings shall be deemed to be horizontal</p> <p><b><u>CEILINGS, ETC.</u></b></p> <p><b><u>(CPAP WORK GROUP NO. 129) unless otherwise stated</u></b></p> <p><b><u>NAILED-UP CEILINGS</u></b></p>				
Carried Forward			R	
<p>Section No. 3</p> <p>Bill No. 4</p> <p>Ceilings, Partitions and Access Flooring</p>				

Brought Forward			
<b><u>6.5mm Gypsum plasterboard with H-profile metal steel jointing strips</u></b>			
1	Ceilings including 50 x 50mm sawn softwood brandering at 400mm centres generally in one direction and 50 x 50mm branders and cross branders at joints and edges of boards	m2	362
2	Extra over ceiling for 600 x 600mm trap door of 38 x 114mm softwood rebated framing with one cross brander, covered with ceiling board and fitted flush in opening, including necessary trimmers around	No	1
<b><u>"Rhino" gypsum plasterboard cornices</u></b>			
3	75mm Coved cornices	m	137
<b><u>"Isotherm" insulation</u></b>			
4	50mm Insulation closely fitted and laid on top of brandering between roof timbers, etc	m2	362
<b>Carried Forward to Summary of Section No.</b>			
<b>3</b>			R
Section No. 3			
Bill No. 4			
Ceilings, Partitions and Access Flooring			

Item No		Unit	Quantity	Rate	Amount
	<b><u>SECTION NO.3</u></b>				
	<b><u>BLOCK D - ADMINISTRATION BLOCK</u></b>				
	<b><u>BILL NO.5</u></b>				
	<b><u>IRONMONGERY</u></b>				
	<b><u>PREAMBLES</u></b>				
	The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.				
	<hr/>				
	<b><u>(CPAP WORK GROUP NO. 132) unless otherwise stated</u></b>				
	<b><u>LOCKS</u></b>				
	<u>"Dorma" or similar approved</u>				
1	"Ref 390/313" four-lever mortice lockset	No	1		
	<b><u>SUNDRIES</u></b>				
2	38mm Diameter rubber door stop plugged	No	1		
	<b><u>KEY TAGS</u></b>				
3	28mm Diameter x 1mm thick brass key tags with one numeral and one letter engraved	No	1		
4	Approved standard stainless steel key rings	No	1		
	<b>Carried Forward to Summary of Section No.</b>				
	<b>3</b>				
	Section No. 3				
	Bill No. 5				
	Ironmongery				
				R	

Item No	Unit	Quantity	Rate	Amount
<b><u>SECTION NO.3</u></b>				
<b><u>BLOCK D - ADMINISTRATION BLOCK</u></b>				
<b><u>BILL NO.6</u></b>				
<b><u>TILING</u></b>				
<b><u>PREAMBLES</u></b>				
<p>The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.</p> <hr/>				
<b><u>SUPPLEMENTARY PREAMBLES</u></b>				
<p>Smooth, off form/shutter or power floated cement surfaces must be acid washed to remove laitance and rinsed with water</p>				
<p>No adhesive is to be applied to wet screeds nor to screeds with a water content greater than that required by the adhesive manufacturer.</p>				
<p>Loading and heavy duty installations</p>				
<p>In areas where the loading exceeds 20kg/m<sup>2</sup>, heavy traffic areas and floor areas which are frequently washed down or external and wet conditions flexible water resistant adhesives and grouts are recommended.</p>				
<p>Preparation of surfaces:</p>				
<p>On both walls and floors there are minimum curing periods for walls and concrete floors as well as screeds and plasters and they are as follows:</p>				
<p>On both walls and floors there are minimum curing periods for walls and concrete floors as well as screeds and plasters and they are as follows:</p>				
<p>Surfaces must be firm and free of dust, mould, oil, grease, wax polish and organic growth. Organic growth must be removed and the spores killed with an effective fungicide such as a household bleaching solution.</p>				
<b>Carried Forward</b>			R	
<p>Section No. 3 Bill No. 6 Tiling</p>				

Brought Forward			R
<p>Unless described as fixed with adhesive to plaster (plaster elsewhere), descriptions of tiling on brick or concrete walls, columns, etc., shall be deemed to include 1:4 cement plaster backing and descriptions of tiling on concrete floors etc. shall be deemed to include 1:3 plaster bedding.</p> <p><b><u>FLOOR TILING</u></b></p> <p><b><u>600 x 600 x 10mm Non slip glazed floor tiles fixed with high strength rapid setting adhesive to and plaster bedding on concrete ( elsewhere measured) and flush pointed with tinted waterproof jointing compound</u></b></p>			
1	On floors and landings	m2	362
2	Extra over tiles to floors for work done in patterns	m2	55
3	100mm High cut tile	m	137
<p><b>Carried Forward to Summary of Section No.</b></p> <p style="text-align: right;"><b>3</b></p> <p>Section No. 3 Bill No. 6 Tiling</p>			R

Item No		Unit	Quantity	Rate	Amount
	<b><u>SECTION NO.3</u></b>				
	<b><u>BLOCK D - ADMINISTRATION BLOCK</u></b>				
	<b><u>BILL NO.7</u></b>				
	<b><u>PLUMBING AND DRAINAGE</u></b>				
	<b><u>PREAMBLES</u></b>				
	The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.				
	<b><u>PLUMBING AND DRAINAGE (PROVISIONAL)</u></b>				
	<b><u>RAINWATER DISPOSAL</u></b>				
	<b><u>0.6mm Chromadek seamless gutters and rainwater pipes</u></b>				
1	155 x 100 x 115mm aluminium ogee roof gutters with baked enamel finish fixed with concealed brackets	m	65		
2	Extra over gutter for stopped end	No	4		
3	75 x 100mm Diameter rainwater pipes	m	11		
4	Extra over gutter for outlet for 100 x 75mm pipe	No	4		
5	Extra over 100mm rainwater pipe for eaves or plinth offset 650mm projection.	No	4		
	<b><u>FIRE APPLAINCES. ETC</u></b>				
	<b><u>"Chubb" or other equal and approved fire appliances all to SABS 543 requirements</u></b>				
6	4.5kg Dry chemical powder portable fire extinguisher	No	1		
7	190 x 190mm ABS plastic symbolic safety sign type FB2 plugged and screwed to wall.	No	1		
	<b>Carried Forward to Summary of Section No. 3</b>				
	Section No. 3				
	Bill No. 7				
	Plumbing and Drainage				



Item No	Unit	Quantity	Rate	Amount
<b><u>SECTION NO.3</u></b>				
<b><u>BLOCK D - ADMINISTRATION BLOCK</u></b>				
<b><u>BILL NO.9</u></b>				
<b><u>PAINTWORK</u></b>				
<b><u>PREAMBLES</u></b>				
<p>The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.</p> <hr/>				
<b><u>SUPPLEMENTARY PREAMBLES</u></b>				
<b><u>PAINT SPECIFICATIONS</u></b>				
<p>All painting shall be done in accordance with "Plascon" specifications unless otherwise described</p> <p>Prime all skirtings and timber work not visible prior to installation. Further paint all glazing beads and reveals prior to glazing.</p> <p>Primers and first coats may be thinned in accordance with the paint specifications to aid the absorption of the paint.</p> <p>Where surfaces of plaster etc are sandy / friable, the first coat must be replaced with 'Merit' plaster primer thinned 10% with turpentine.</p> <p>All surfaces must be sound, clean and have a moisture content of less than 8% for walls generally and 3% for slabs/screeds etc.</p> <p>The paint and surface finishes specified herein are for normal applications as intended by the manufacturer. Should a finish be required for a surface other than that for which it would normally be used, then the specifier should contact manufacturer for approval.</p>				
<b>Carried Forward</b>			R	
<p>Section No. 3 Bill No. 9 Paintwork</p>				



# Brought Forward

## COLOURS

Unless otherwise described all paintwork shall be deemed to have a colour value in excess of 7 on the Munsell system in accordance with SANS 1091

**(CPAP WORK GROUP NO. 152) unless otherwise stated**

## PAINTWORK ETC.

### ON INTERNAL FLOATED PLASTER SURFACES

**Prepare surfaces and remove all loose material, apply one coat 'Plascon Wall and All Pure Acrylic' thinned 20% and one coat 'Plascon Wall and All Pure Acrylic' paint or equal and approved:**

1	On internal walls	m2	384
2	External walls	m2	157

### ON PLASTERBOARD

**Prepare surfaces and remove all loose material, apply one coat 'Merit Plaster Primer' and two coats 'Plascon Double Velvet Pure Acrylic' paint or equal and approved:**

3	On ceilings and cornices.	m2	362
---	---------------------------	----	-----

### ON METAL

**Prepare surfaces and remove all loose material, dust, grease, salts and contamination with a degreaser, rinse and apply one coat Calcium Plumbate Primer, one coat Universal Undercoat and two coats High Gloss Enamel paint on galvanised steel:**

4	On door frames	m2	7
5	On gates	m2	7
6	On Windows	m2	123

### ON WOOD

# Carried Forward

R

Section No. 3  
Bill No. 9  
Paintwork

16

**Apply Plascon meit plaster primer and two coats Plascon Velvagio Polyurethane Enamel paint.**

87

R

-58-

[illegible]

Item No	Unit	Quantity	Rate	Amount
<b><u>SECTION NO.4</u></b>				
<b><u>BLOCK E - MULTI-PURPOSE CLASSROOM</u></b>				
<b><u>BILL NO.1</u></b>				
<b><u>ALTERATIONS AND DEMOLITIONS</u></b>				
<b><u>PREAMBLES</u></b>				
<p>The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.</p>				
<b><u>SUPPLEMENTARY PREAMBLES</u></b>				
<b><u>Damage and Repairs to Services</u></b>				
<p>Should the Contractor damage any services which are to remain in operation or any services which have not yet been disconnected prior to removal, then the Contractor will be held solely responsible for such damage and any further resultant damage.</p>				
<p>The Contractor shall immediately notify the Representative/Agent and the Authorities concerned and he shall at his own cost make all necessary arrangements for disconnection and repairs with the relevant Authorities and shall pay all fees and charges levied.</p>				
<b><u>Disposal of Materials</u></b>				
<p>All existing materials specified to be "removed", demolished and removed", "hacked up or off and removed", or "taken down or off and removed" or "broken down and removed", etc., become the property of the contractor. These materials and all debris, rubbish and earth must be carted away by the Contractor and the site must be left clean and unencumbered. The Contractor must make his own arrangements for dumping and shall pay all fees and charges levied.</p>				
<b>Carried Forward</b>			R	
<p>Section No. 4  Bill No. 1  Alterations and Additions</p>				

**Brought Forward**

R

If any of the bricks or other materials specified to be "removed" are sound and considered suitable for any portion of the new work they must be thoroughly cleaned off and stacked on site for inspection by the Representative/Agent must be obtained before any such materials are re-used in the new work.

All existing materials specified to be "taken down and set aside for re-use" or "taken down and set aside" shall remain the property of Employer and must be cleaned off, cleared off all nails, etc. and neatly stacked and stored on site by the Contractor where directed and carefully handled during taking down, storage and re-fixing. The Contractor will be held responsible for the safety of these materials and must take all necessary precautions for their protection and any damage or loss that may occur must be made good by the Contractor at his own expense.

The Contractor must visit the site and the buildings and acquaint himself fully with conditions and scope of alterations and demolitions. Descriptions herein are brief and are to serve as a means of identifying work only. The full extent of work is to be assessed by the contractor on site. All sizes indicated are approximate.

Rates for demolitions and alterations are to include for all needling, strutting and shoring, etc. that may be necessary whilst carrying out any portion of the work to ensure the stability of the building with suitable and substantial materials to the satisfaction of the Representative/Agent and remove when directed.

Old Materials to become the property of the contractor.

Old materials from alterations, except where described to be re-used or handed over, become the property of the contractor who must allow credit in the final summary.

Old Materials to be carted away:

Old materials from alterations, except where described to be re-used or handed over, as well as rubbish, etc. must be regularly carted from site and not to be allowed to accumulate on or around the site.

**Carried Forward**

R

Section No. 4  
Bill No. 1  
Alterations and Additions

**Brought Forward**Handling over of materials

Where certain materials or articles from alterations are described to be handed over by the contractor to the Regional Representative/Agent, such materials or articles shall be properly stored by the contractor, until handling over thereof.

The Contractor must obtain an official receipt listing the materials or articles and dates of handing over. If the contractor fails to submit the receipt when requested to do so, it shall be deemed that the materials or articles are still in his possession and he will be held liable to the Municipality for the full replacement value thereof, which will be deducted from any monies due to the Contractor.

**TEMPORARY BARRIERS, SCREENS, ETC.****Temporary barriers, screens, etc. and including removal**

- 1 Provide, fix, maintain, move and subsequently remove all temporary barriers, screens, overhead projections, etc. that may be necessary whilst carrying out any portion of the work for the protection of persons, animals and things, including the protection of existing buildings, structures, pavings and services on the remainder of the site

Item

**REMOVAL OF EXISTING WORK****Taking down and removing roofs, floors, panelling, ceilings, partitions, etc**

- 2 RhinoBoard ceiling, including cornices, timber bandering, etc.

m2

112

**Taking up and removing wood block floor coverings, vinyl floor coverings, carpets, etc and preparing screeds for new floor coverings**

- 3 Vinyl tile floor covering

m2

112

**Taking out and removing sundry joinery work**

- 4 Timber skirtings from brickwork

m

45

**Carried Forward**

R

Section No. 4

Bill No. 1

Alterations and Additions

Brought Forward				
<b><u>Taking out and removing doors, ironmongery</u></b>				
5	Timber single door including ironmongery	No	1	
<b><u>PREPARATORY WORK TO EXISTING SURFACES</u></b>				
<b><u>'Sika repair system' or similar approved</u></b>				
6	Repair concrete surface with SIKa monotop 615 on SIKa monotop primer, then seal with SIKAFLEX, as per manufacturer's specification	m2	112	
<b><u>MAKING GOOD OF FINISHES, ETC.</u></b>				
<b><u>Making good</u></b>				
7	Make good affected 100mm thick surface beds and screed to floors ( <i>Guard House</i> )	m2	112	
<b>Carried Forward to Summary of Section No.</b>				
<b>4</b>				R
Section No. 4				
Bill No. 1				
Alterations and Additions				

Item No		Unit	Quantity	Rate	Amount
	<b><u>SECTION NO.4</u></b>  <b><u>BLOCK E - MULTI-PURPOSE CLASSROOM</u></b>  <b><u>BILL NO.2</u></b>  <b><u>ROOF COVERINGS. ETC.</u></b>  <b><u>PREAMBLES</u></b>  <p>The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.</p> <hr/> <p>(CPAP WORK GROUP NO. 124) unless otherwise stated</p> <b><u>SERVICE. REPAIRS. ETC. TO EXISTING WORKS</u></b>  <b><u>Service, repair and make good existing roof coverings</u></b>				
1	Service and make good the existing roof coverings including refixing roof sheets with new galvanised screws, patching all roof leaks with derbigum and leave roof in fully functional state for end user. (Provisional) (All leaking roofs iBlocks B, C and D)	m2	118		
	<b>Carried Forward to Summary of Section No.</b> <div>4</div>				
	Section No. 4 Bill No. 2 Roof Cverings			R	



Item No	Unit	Quantity	Rate	Amount
<b><u>SECTION NO.4</u></b>				
<b><u>BLOCK E - MULTI-PURPOSE CLASSROOM</u></b>				
<b><u>BILL NO.3</u></b>				
<b><u>CARPENTRY AND JOINERY</u></b>				
<b><u>PREAMBLES</u></b>				
The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.				
<b><u>SUPPLEMENTARY PREAMBLES</u></b>				
<b><u>Fixing:</u></b>				
Items described as nailed shall be deemed to be fixed with hardened stainless steel nails/slots pins/spinless screws to brick or concrete.				
Fixing brackets to be hot dipped galvanised where items not specifically mentioned.				
Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere				
<u>Decorative thermosetting plastic laminate covering</u>				
Laminate covering shall be glued under pressure and edge strips of same shall be butt jointed at junctions with adjacent similar finish				
<b><u>(CPAP WORK GROUP NO. 126) unless otherwise stated</u></b>				
<b><u>EAVES. VERGES. ETC</u></b>				
<b>Carried Forward</b>			R	
Section No. 4 Bill No. 3 Carpentry and Joinery				

Brought Forward			
<b><u>"Everite Nutech" Medium density fibre-cement fascia board with H-profile plastic fascia jointers</u></b>			
1	12 x 225mm Fascia boards, including aluminium H-profile fascia joiners and fixed with hot dipped galvanised drive screws and washers (no paint) (Everite Nutech - product number 041-203 and 685-195)	m	30
<b><u>"Everite Nutech" Fibre-cement socketless barge boards</u></b>			
2	10 x 80 x 225mm Barge boards including aluminium H-profile barge joiners and fixed with hot dipped galvanised drive screws and washers (no paint) (Everite Nutech - product number 721-800)	m	15
<b><u>DOORS, ETC</u></b>			
Refer to Architectural door schedule.			
<b><u>"Saligna Blaco"</u></b>			
3	40mm Framed ledged and braced batten door 813 x 2032mm high with 40 x 110mm styles and top rail, 20 x 150mm middle ledge, 20 x 225mm bottom ledge and 20 x 110mm braces filled in with V-jointed one side vertical boarding with tongued and grooved joints to top rail and stiles and with inner edges of framing and abutting edges of boarding chamfered to form V-joint	No	1
<b><u>SKIRTINGS</u></b>			
<b><u>Wrought meranti</u></b>			
4	19 x 76mm Skirtings with 19mm quadrant bead, plugged.	m	45
<b>Carried Forward to Summary of Section No.</b>			
<b>4</b>			
Section No. 4			
Bill No. 3			
Carpentry and Joinery			
R			

Item No	Unit	Quantity	Rate	Amount
<b><u>SECTION NO.4</u></b>				
<b><u>BLOCK E - MULTI-PURPOSE CLASSROOM</u></b>				
<b><u>BILL NO.4</u></b>				
<b><u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u></b>				
<b><u>PREAMBLES</u></b>				
The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.				
<hr/>				
<b><u>SUPPLEMENTARY PREAMBLES</u></b>				
<u>Fixing</u>				
Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete				
Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere				
<u>Ceilings</u>				
Unless otherwise described ceilings shall be deemed to be horizontal				
<b><u>CEILINGS, ETC.</u></b>				
<b><u>(CPAP WORK GROUP NO. 129) unless otherwise stated</u></b>				
<b><u>NAILED-UP CEILINGS</u></b>				
<b>Carried Forward</b>				R
Section No. 4				
Bill No. 4				
Ceilings Partitions and Access Flooring				

Brought Forward				
<b><u>6.5mm Gypsum plasterboard with H-profile metal steel jointing strips</u></b>				
1	Ceilings including 50 x 50mm sawn softwood brandering at 400mm centres generally in one direction and 50 x 50mm branders and cross branders at joints and edges of boards	m2	112	
2	Extra over ceiling for 600 x 600mm trap door of 38 x 114mm softwood rebated framing with one cross brander, covered with ceiling board and fitted flush in opening, including necessary trimmers around	No	1	
<b><u>"Rhino" gypsum plasterboard cornices</u></b>				
3	75mm Coved cornices	m	45	
<b><u>"Isotherm" insulation</u></b>				
4	50mm Insulation closely fitted and laid on top of brandering between roof timbers, etc	m2	112	
<b>Carried Forward to Summary of Section No.</b>				
<b>4</b>				R
Section No. 4				
Bill No. 4				
Ceilings Partitions and Access Flooring				

Item No		Unit	Quantity	Rate	Amount
	<p><b><u>SECTION NO.4</u></b></p> <p><b><u>BLOCK E - MULTI-PURPOSE CLASSROOM</u></b></p> <p><b><u>BILL NO.5</u></b></p> <p><b><u>FLOOR COVERINGS, PLASTIC LININGS, ETC.</u></b></p> <p><b><u>PREAMBLES</u></b></p> <p>The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.</p> <hr/> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><u>Fixing</u></p> <p>Floor coverings, wall linings, etc shall, where applicable, be fixed with adhesive as recommended by the manufacturers of the flooring, linings, etc</p> <p><b><u>(CPAP WORK GROUP NO. 130) unless otherwise stated</u></b></p> <p><b><u>FLOOR COVERINGS</u></b></p> <p><b><u>VINYL FLOOR COVERINGS</u></b></p> <p><b><u>2mm thick x 1200mm wide Superflex fully flexible vinyl floor tiles</u></b></p>				
1	On floors	m2	112		
	<p><b><u>POLISH, SEALERS, ETC</u></b></p>				
2	Three coats waterbased sealer on vinyl flooring	m2	112		
	<p><b>Carried Forward to Summary of Section No. 4</b></p>				
	<p>Section No. 4</p> <p>Bill No. 5</p> <p>Floor Coverings</p>			R	

Item No		Unit	Quantity	Rate	Amount
	<b><u>SECTION NO.4</u></b>				
	<b><u>BLOCK E - MULTI-PURPOSE CLASSROOM</u></b>				
	<b><u>BILL NO.6</u></b>				
	<b><u>IRONMONGERY</u></b>				
	<b><u>PREAMBLES</u></b>				
	The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.				
	<b><u>(CPAP WORK GROUP NO. 132) unless otherwise stated</u></b>				
	<b><u>LOCKS</u></b>				
	<u>"Dorma" or similar approved</u>				
1	"Ref 390/313" four-lever mortice lockset	No	1		
	<b><u>SUNDRIES</u></b>				
2	38mm Diameter rubber door stop plugged	No	1		
	<b><u>KEY TAGS</u></b>				
3	28mm Diameter x 1mm thick brass key tags with one numeral and one letter engraved	No	1		
4	Approved standard stainless steel key rings	No	1		
	<b><u>WRITING BOARDS. ETC</u></b>				
	<b><u>"Parrot" or equal approved</u></b>				
5	Model 2203 white vitreous enamelled wall mounted white board 2400 x 900mm high complete with aluminium pen rail etc fixed to brickwork or partition system ( Magnetic)	No	1		
	<b><u>PINNING BOARD</u></b>				
	<b>Carried Forward</b>			R	
	Section No. 4				
	Bill No. 6				
	Ironmongery				

Brought Forward				
	<u>EP09 Floortime domestic pinning boards fixed to brickwall strictly in accordance to manufacturer's instructions</u>			
6	2400 x 1200mm high pinning board fixed 900mm above finished floor level	No	1	
	<b><u>CHALKBOARDS</u></b>			
	<u>Green chalkboard to comply with CKS-38-1980 complete with chalk rail fixed in accordance with the manufacturers specifications</u>			
7	4800 x 1140mm high Chalkboard	No	1	
Carried Forward to Summary of Section No.				
	4			R
Section No. 4				
Bill No. 6				
Ironmongery				

Item No		Unit	Quantity	Rate	Amount
	<b><u>SECTION NO.4</u></b>				
	<b><u>BLOCK E - MULTI-PURPOSE CLASSROOM</u></b>				
	<b><u>BILL NO.7</u></b>				
	<b><u>PLUMBING AND DRAINAGE</u></b>				
	<b><u>PREAMBLES</u></b>				
	The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.				
	<b><u>PLUMBING AND DRAINAGE (PROVISIONAL)</u></b>				
	<b><u>RAINWATER DISPOSAL</u></b>				
	<b><u>0.6mm Chromadek seamless gutters and rainwater pipes</u></b>				
1	155 x 100 x 115mm aluminium ogee roof gutters with baked enamel finish fixed with concealed brackets	m	30		
2	Extra over gutter for stopped end	No	4		
3	75 x 100mm Diameter rainwater pipes	m	11		
4	Extra over gutter for outlet for 100 x 75mm pipe	No	4		
5	Extra over 100mm rainwater pipe for eaves or plinth offset 650mm projection.	No	4		
	<b><u>FIRE APPLAINCES, ETC</u></b>				
	<b><u>"Chubb" or other equal and approved fire appliances all to SABS 543 requirements</u></b>				
6	4.5kg Dry chemical powder portable fire extinguisher	No	1		
7	190 x 190mm ABS plastic symbolic safety sign type FB2 plugged and screwed to wall.	No	1		
	<b>Carried Forward to Summary of Section No. 4</b>				
	Section No. 4				
	Bill No. 7				
	Plumbing and Drainage				
				R	



Item No		Unit	Quantity	Rate	Amount
	<p><b><u>SECTION NO.4</u></b></p> <p><b><u>BLOCK E - MULTI-PURPOSE CLASSROOM</u></b></p> <p><b><u>BILL NO.8</u></b></p> <p><b><u>GLAZING</u></b></p> <p><b><u>PREAMBLES</u></b></p> <p>The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.</p> <hr/> <p><b><u>(CPAP WORK GROUP NO. 150) unless otherwise stated</u></b></p> <p><b><u>GLAZING TO STEEL WITH PUTTY</u></b></p> <p><b><u>6mm Clear float glass</u></b></p>				
1	Panes exceeding 0,1m2 and not exceeding 0,5m2	m2	10		
	<p><b>Carried Forward to Summary of Section No.</b></p> <p style="text-align: right;"><b>4</b></p> <p>Section No. 4 Bill No. 8 Glazing</p>			R	

Item No	Unit	Quantity	Rate	Amount
<b><u>SECTION NO.4</u></b>				
<b><u>BLOCK E - MULTI-PURPOSE CLASSROOM</u></b>				
<b><u>BILL NO.9</u></b>				
<b><u>PAINTWORK</u></b>				
<b><u>PREAMBLES</u></b>				
<p>The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.</p> <hr/>				
<b><u>SUPPLEMENTARY PREAMBLES</u></b>				
<b><u>PAINT SPECIFICATIONS</u></b>				
<p>All painting shall be done in accordance with "Plascon" specifications unless otherwise described</p> <p>Prime all skirtings and timber work not visible prior to installation. Further paint all glazing beads and reveals prior to glazing.</p> <p>Primers and first coats may be thinned in accordance with the paint specifications to aid the absorption of the paint.</p> <p>Where surfaces of plaster etc are sandy / friable, the first coat must be replaced with 'Merit' plaster primer thinned 10% with turpentine.</p> <p>All surfaces must be sound, clean and have a moisture content of less than 8% for walls generally and 3% for slabs/screeds etc.</p> <p>The paint and surface finishes specified herein are for normal applications as intended by the manufacturer. Should a finish be required for a surface other than that for which it would normally be used, then the specifier should contact manufacturer for approval.</p>				
<b>Carried Forward</b>			R	
<p>Section No. 4 Bill No. 9 Paintwork</p>				

Brought Forward		
<b><u>COLOURS</u></b>		
Unless otherwise described all paintwork shall be deemed to have a colour value in excess of 7 on the Munsell system in accordance with SANS 1091		
<b><u>(CPAP WORK GROUP NO. 152) unless otherwise stated</u></b>		
<b><u>PAINTWORK ETC.</u></b>		
<b><u>ON INTERNAL FLOATED PLASTER SURFACES</u></b>		
<b><u>Prepare surfaces and remove all loose material, apply one coat 'Plascon Wall and All Pure Acrylic' thinned 20% and one coat 'Plascon Wall and All Pure Acrylic' paint or equal and approved:</u></b>		
1	On internal walls.	m2 125
2	External walls	m2 125
<b><u>ON PLASTERBOARD</u></b>		
<b><u>Prepare surfaces and remove all loose material, apply one coat 'Merit Plaster Primer' and two coats 'Plascon Double Velvet Pure Acrylic' paint or equal and approved:</u></b>		
3	On ceilings and cornices.	m2 112
<b><u>ON METAL</u></b>		
<b><u>Prepare surfaces and remove all loose material, dust, grease, salts and contamination with a degreaser, rinse and apply one coat Calcium Plumbate Primer, one coat Universal Undercoat and two coats High Gloss Enamel paint on galvanised steel:</u></b>		
4	On door frames	m2 1
5	On gates	m2 3
6	On Windows	m2 19
<b><u>ON WOOD</u></b>		
<b>Carried Forward</b>		
Section No. 4 Bill No. 9 Paintwork		

R

R

3

**Apply Plascon meit plaster primer and two coats Plascon Velvagro Polyurethane Enamel paint.**

45

R

-76-

SECTION SUMMARY - BLOCK E - MULTI-PURPOSE CLASSROOM					
Bill No			Page No		Amount
1	Alterations and Additions		63		
2	Roof Cverings		64		
3	Carpentry and Joinery		66		
4	Ceilings Partitions and Access Flooring		68		
5	Floor Coverings		69		
6	Ironmongery		71		
7	Plumbing and Drainage		72		
8	Glazing		73		
9	Paintwork		76		
Carried to Final Summary					
Section No. 4					

Item No	Unit	Quantity	Rate	Amount
<b><u>SECTION NO.5</u></b>				
<b><u>BLOCK F, G, H AND I - 5NO CLASSROOM BLOCKS</u></b>				
<b><u>BILL NO.1</u></b>				
<b><u>ALTERATIONS AND DEMOLITIONS</u></b>				
<b><u>PREAMBLES</u></b>				
<p>The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.</p>				
<b><u>SUPPLEMENTARY PREAMBLES</u></b>				
<b><u>Damage and Repairs to Services</u></b>				
<p>Should the Contractor damage any services which are to remain in operation or any services which have not yet been disconnected prior to removal, then the Contractor will be held solely responsible for such damage and any further resultant damage.</p>				
<p>The Contractor shall immediately notify the Representative/Agent and the Authorities concerned and he shall at his own cost make all necessary arrangements for disconnection and repairs with the relevant Authorities and shall pay all fees and charges levied.</p>				
<b><u>Disposal of Materials</u></b>				
<p>All existing materials specified to be "removed", demolished and removed", "hacked up or off and removed", or "taken down or off and removed" or "broken down and removed", etc., become the property of the contractor. These materials and all debris, rubbish and earth must be carted away by the Contractor and the site must be left clean and unencumbered. The Contractor must make his own arrangements for dumping and shall pay all fees and charges levied.</p>				
<b>Carried Forward</b>			R	
<p>Section No. 5 Bill No. 1 Alterations and Demolitions</p>				

**Brought Forward**

R

If any of the bricks or other materials specified to be "removed" are sound and considered suitable for any portion of the new work they must be thoroughly cleaned off and stacked on site for inspection by the Representative/Agent must be obtained before any such materials are re-used in the new work.

All existing materials specified to be "taken down and set aside for re-use" or "taken down and set aside" shall remain the property of Employer and must be cleaned off, cleared off all nails, etc. and neatly stacked and stored on site by the Contractor where directed and carefully handled during taking down, storage and re-fixing. The Contractor will be held responsible for the safety of these materials and must take all necessary precautions for their protection and any damage or loss that may occur must be made good by the Contractor at his own expense.

The Contractor must visit the site and the buildings and acquaint himself fully with conditions and scope of alterations and demolitions. Descriptions herein are brief and are to serve as a means of identifying work only. The full extent of work is to be assessed by the contractor on site. All sizes indicated are approximate.

Rates for demolitions and alterations are to include for all needling, strutting and shoring, etc. that may be necessary whilst carrying out any portion of the work to ensure the stability of the building with suitable and substantial materials to the satisfaction of the Representative/Agent and remove when directed.

Old Materials to become the property of the contractor.

Old materials from alterations, except where described to be re-used or handed over, become the property of the contractor who must allow credit in the final summary.

Old Materials to be carted away:

Old materials from alterations, except where described to be re-used or handed over, as well as rubbish, etc. must be regularly carted from site and not to be allowed to accumulate on or around the site.

**Carried Forward**

R

Section No. 5  
Bill No. 1  
Alterations and Demolitions

Brought Forward				R
<u>Handling over of materials</u>				
Where certain materials or articles from alterations are described to be handed over by the contractor to the Regional Representative/Agent, such materials or articles shall be properly stored by the contractor, until handling over thereof.				
The Contractor must obtain an official receipt listing the materials or articles and dates of handing over. If the contractor fails to submit the receipt when requested to do so, it shall be deemed that the materials or articles are still in his possession and he will be held liable to the Municipality for the full replacement value thereof, which will be deducted from any monies due to the Contractor.				
<b><u>TEMPORARY BARRIERS, SCREENS, ETC.</u></b>				
<b><u>Temporary barriers, screens, etc. and including removal</u></b>				
1	Provide, fix, maintain, move and subsequently remove all temporary barriers, screens, overhead projections, etc. that may be necessary whilst carrying out any portion of the work for the protection of persons, animals and things, including the protection of existing buildings, structures, pavings and services on the remainder of the site		Item	
<b><u>REMOVAL OF EXISTING WORK</u></b>				
<b><u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc</u></b>				
2	RhinoBoard ceiling, including cornices, timber bandering, etc	m2	1,336	
<b><u>Taking up and removing wood block floor coverings, vinyl floor coverings, carpets, etc and preparing screeds for new floor coverings</u></b>				
3	Vinyl tile floor covering	m2	1,336	
<b><u>Taking out and removing sundry joinery work</u></b>				
4	Timber skirtings from brickwork	m	656	
<b>Carried Forward</b>				R
Section No. 5 Bill No. 1 Alterations and Demolitions				



Brought Forward				
<b><u>Taking out and removing doors, ironmongery</u></b>				
5	Timber single door including ironmongery	No	20	
<b><u>PREPARATORY WORK TO EXISTING SURFACES</u></b>				
<b><u>'Sika repair system' or similar approved</u></b>				
6	Repair concrete surface with Sika monotop 615 on Sika monotop primer, then seal with SikaFlex, as per manufacturer's specification	m2	1,336	
<b><u>MAKING GOOD OF FINISHES, ETC.</u></b>				
<b><u>Making good</u></b>				
7	Make good screed to floors to receive new floor coverings (elsewhere)	m2	1,336	
<b>Carried Forward to Summary of Section No.</b>				
<b>5</b>				R
Section No. 5				
Bill No. 1				
Alterations and Demolitions				

Item No		Unit	Quantity	Rate	Amount
	<p><b><u>SECTION NO.5</u></b></p> <p><b><u>BLOCK F, G, H AND I - 5NO CLASSROOM BLOCKS</u></b></p> <p><b><u>BILL NO.2</u></b></p> <p><b><u>ROOF COVERINGS, ETC.</u></b></p> <p><b><u>PREAMBLES</u></b></p> <p>The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.</p> <hr/> <p><u>(CPAP WORK GROUP NO. 124) unless otherwise stated</u></p> <p><b><u>SERVICE, REPAIRS, ETC. TO EXISTING WORKS</u></b></p> <p><b><u>Service, repair and make good existing roof coverings</u></b></p>				
1	Service and make good the existing roof coverings including refixing roof sheets with new galvanised screws, patching all roof leaks with derbigum and leave roof in fully functional state for end user. (Provisional)	m2	1,336		
	<p><b>Carried Forward to Summary of Section No.</b></p> <p style="text-align: right;"><b>5</b></p> <p>Section No. 5 Bill No. 2 Roof Coverings</p>				
				R	

Item No		Unit	Quantity	Rate	Amount
	<p><b><u>SECTION NO.5</u></b></p> <p><b><u>BLOCK F, G, H AND I - 5NO CLASSROOM BLOCKS</u></b></p> <p><b><u>BILL NO.3</u></b></p> <p><b><u>CARPENTRY AND JOINERY</u></b></p> <p><b><u>PREAMBLES</u></b></p> <p>The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.</p> <hr/> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><b><u>Fixing:</u></b></p> <p>Items described as nailed shall be deemed to be fixed with hardened stainless steel nails/slots pins/spinless screws to brick or concrete.</p> <p>Fixing brackets to be hot dipped galvanised where items not specifically mentioned.</p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere</p> <p><u>Decorative thermosetting plastic laminate covering</u></p> <p>Laminate covering shall be glued under pressure and edge strips of same shall be butt jointed at junctions with adjacent similar finish</p> <p><b><u>"Everite Nutech" Medium density fibre-cement fascia board with H-profile plastic fascia jointers</u></b></p>				
1	12 x 225mm Fascia boards, including aluminium H-profile fascia joiners and fixed with hot dipped galvanised drive screws and washers (no paint) (Everite Nutech - product number 041-203 and 685-195)	m	352		
	<b>Carried Forward</b>				
	Section No. 5 Bill No. 3 Carpentry and Joinery				
				R	

Brought Forward		
<b><u>"Everite Nutech" Fibre-cement socketless barge boards</u></b>		
2	10 x 80 x 225mm Barge boards including aluminium H-profile barge joiners and fixed with hot dipped galvanised drive screws and washers (no paint) (Everite Nutech - product number 721-800)	m 78
<b><u>DOORS, ETC.</u></b>		
Refer to Architectural door schedule		
<b><u>"Saligna Blaco"</u></b>		
3	40mm Framed ledged and braced batten door 813 x 2032mm high with 40 x 110mm styles and top rail, 20 x 150mm middle ledge, 20 x 225mm bottom ledge and 20 x 110mm braces filled in with V-jointed one side vertical boarding with tongued and grooved joints to top rail and stiles and with inner edges of framing and abutting edges of boarding chamfered to form V-joint	No 20
<b><u>SKIRTINGS</u></b>		
<b><u>Wrought meranti</u></b>		
4	19 x 76mm Skirtings with 19mm quadrant bead, plugged	m 656
<b>Carried Forward to Summary of Section No. 5</b>		
Section No. 5 Bill No. 3 Carpentry and Joinery		

R

Item No	Unit	Quantity	Rate	Amount
<b><u>SECTION NO.5</u></b>				
<b><u>BLOCK F. G. H AND I - 5NO CLASSROOM BLOCKS</u></b>				
<b><u>BILL NO.4</u></b>				
<b><u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u></b>				
<b><u>PREAMBLES</u></b>				
The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.				
<b><u>SUPPLEMENTARY PREAMBLES</u></b>				
<u>Fixing</u>				
Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete				
Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere				
<u>Ceilings</u>				
Unless otherwise described ceilings shall be deemed to be horizontal				
<b><u>CEILINGS. ETC.</u></b>				
<b><u>(CPAP WORK GROUP NO. 129) unless otherwise stated</u></b>				
<b><u>NAILED-UP CEILINGS</u></b>				
<b>Carried Forward</b>				R
Section No. 5				
Bill No. 4				
Ceilings partitions and Access Flooring				

**Brought Forward****6.5mm Gypsum plasterboard with H-profile metal steel jointing strips**

1	Ceilings including 50 x 50mm sawn softwood brandering at 400mm centres generally in one direction and 50 x 50mm branders and cross branders at joints and edges of boards	m2	1,336
2	Extra over ceiling for 600 x 600mm trap door of 38 x 114mm softwood rebated framing with one cross brander, covered with ceiling board and fitted flush in opening, including necessary trimmers around	No	8
<b><u>"Rhino" gypsum plasterboard cornices</u></b>			
3	75mm Coved cornices	m	656
<b><u>"Isotherm" insulation</u></b>			
4	50mm Insulation closely fitted and laid on top of brandering between roof timbers, etc.	m2	1,336

**Carried Forward to Summary of Section No.****5**

Section No. 5

Bill No. 4

Ceilings partitions and Access Flooring

R

Item No		Unit	Quantity	Rate	Amount
	<b><u>SECTION NO.5</u></b>				
	<b><u>BLOCK F, G, H AND I - 5NO CLASSROOM BLOCKS</u></b>				
	<b><u>BILL NO.5</u></b>				
	<b><u>IRONMONGERY</u></b>				
	<b><u>PREAMBLES</u></b>				
	The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.				
	<hr/>				
	<b><u>(CPAP WORK GROUP NO. 132) unless otherwise stated</u></b>				
	<b><u>LOCKS</u></b>				
	<u>"Dorma" or similar approved</u>				
1	"Ref 390/313" four-lever mortice lockset	No	20		
	<b><u>SUNDRIES</u></b>				
2	38mm Diameter rubber door stop plugged	No	20		
	<b><u>KEY TAGS</u></b>				
3	28mm Diameter x 1mm thick brass key tags with one numeral and one letter engraved	No	20		
4	Approved standard stainless steel key rings	No	20		
	<b><u>WRITING BOARDS, ETC</u></b>				
	<b><u>"Parrot" or equal approved</u></b>				
5	Model 2203 white vitreous enamelled wall mounted white board 2400 x 900mm high complete with aluminium pen rail etc fixed to brickwork or partition system ( Magnetic)	No	5		
	<b><u>PINNING BOARD</u></b>				
	<b>Carried Forward</b>				
	Section No. 5 Bill No. 5 Ironmongery				
				R	

Brought Forward				
	<u>EP09 Floortime domestic pinning boards fixed to brickwall strictly in accordance to manufacturer's instructions</u>			
6	2400 x 1200mm high pinning board fixed 900mm above finished floor level	No	20	
	<b><u>CHALKBOARDS</u></b>			
	<u>Green chalkboard to comply with CKS-38-1980 complete with chalk rail fixed in accordance with the manufacturers specifications</u>			
7	4800 x 1140mm high Chalkboard	No	20	
Carried Forward to Summary of Section No.				
	5			R
Section No. 5				
Bill No. 5				
Ironmongery				



Item No		Unit	Quantity	Rate	Amount
	<b><u>SECTION NO.5</u></b>				
	<b><u>BLOCK F. G. H AND I - 5NO CLASSROOM BLOCKS</u></b>				
	<b><u>BILL NO.6</u></b>				
	<b><u>FLOOR COVERINGS, PLASTIC LININGS, ETC.</u></b>				
	<b><u>PREAMBLES</u></b>				
	The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.				
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>				
	<u>Fixing</u>				
	Floor coverings, wall linings, etc shall, where applicable, be fixed with adhesive as recommended by the manufacturers of the flooring, linings, etc				
	<b><u>(CPAP WORK GROUP NO. 130) unless otherwise stated</u></b>				
	<b><u>FLOOR COVERINGS</u></b>				
	<b><u>VINYL FLOOR COVERINGS</u></b>				
	<b><u>2mm thick x 1200mm wide Superflex fully flexible vinyl floor tiles</u></b>				
1	On floors	m2	1,336		
	<b><u>POLISH, SEALERS, ETC</u></b>				
2	Three coats waterbased sealer on vinyl flooring.	m2	1,336		
	<b>Carried Forward to Summary of Section No.</b>				
	<b>5</b>			R	
	Section No. 5				
	Bill No. 6				
	Floor Coverings				

Item No		Unit	Quantity	Rate	Amount
	<b><u>SECTION NO.5</u></b>				
	<b><u>BLOCK F, G, H AND I - 5NO CLASSROOM BLOCKS</u></b>				
	<b><u>BILL NO.7</u></b>				
	<b><u>PLUMBING AND DRAINAGE</u></b>				
	<b><u>PREAMBLES</u></b>				
	The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.				
	<b><u>PLUMBING AND DRAINAGE (PROVISIONAL)</u></b>				
	<b><u>RAINWATER DISPOSAL</u></b>				
	<b><u>0.6mm Chromadek seamless gutters and rainwater pipes</u></b>				
1	155 x 100 x 115mm aluminium ogee roof gutters with baked enamel finish fixed with concealed brackets	m	352		
2	Extra over gutter for stopped end	No	16		
3	75 x 100mm Diameter rainwater pipes	m	45		
4	Extra over gutter for outlet for 100 x 75mm pipe	No	24		
5	Extra over 100mm rainwater pipe for eaves or plinth offset 650mm projection.	No	24		
	<b><u>FIRE APPLAINCES, ETC</u></b>				
	<b><u>"Chubb" or other equal and approved fire appliances all to SABS 543 requirements</u></b>				
6	4.5kg Dry chemical powder portable fire extinguisher	No	8		
7	190 x 190mm ABS plastic symbolic safety sign type FB2 plugged and screwed to wall	No	8		
	<b>Carried Forward to Summary of Section No. 5</b>				
	Section No. 5				
	Bill No. 7				
	Plumbing and Drainage				
				R	

Item No		Unit	Quantity	Rate	Amount
	<b><u>SECTION NO. 5</u></b>  <b><u>BLOCK F, G, H AND I - 5NO CLASSROOM BLOCKS</u></b>  <b><u>BILL NO.8</u></b>  <b><u>GLAZING</u></b>  <b><u>PREAMBLES</u></b>  The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.  <hr/> <b><u>(CPAP WORK GROUP NO. 150) unless otherwise stated</u></b>  <b><u>GLAZING TO STEEL WITH PUTTY</u></b>  <b><u>6mm Clear float glass</u></b>				
1	Panes exceeding 0,1m2 and not exceeding 0,5m2	m2	77		
	<b>Carried Forward to Summary of Section No.</b> <div style="text-align: right;"><b>5</b></div> Section No. 5 Bill No. 8 Glazing				<div style="text-align: right;">R</div>

Item No	Unit	Quantity	Rate	Amount
<p><b><u>SECTION NO.5</u></b></p> <p><b><u>BLOCK F, G, H AND I - 5NO CLASSROOM BLOCKS</u></b></p> <p><b><u>BILL NO.9</u></b></p> <p><b><u>PAINTWORK</u></b></p> <p><b><u>PREAMBLES</u></b></p> <p>The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.</p> <hr/> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><b><u>PAINT SPECIFICATIONS</u></b></p> <p>All painting shall be done in accordance with "Plascon" specifications unless otherwise described</p> <p>Prime all skirtings and timber work not visible prior to installation. Further paint all glazing beads and reveals prior to glazing.</p> <p>Primers and first coats may be thinned in accordance with the paint specifications to aid the absorption of the paint.</p> <p>Where surfaces of plaster etc are sandy / friable, the first coat must be replaced with 'Merit' plaster primer thinned 10% with turpentine.</p> <p>All surfaces must be sound, clean and have a moisture content of less than 8% for walls generally and 3% for slabs/screeds etc.</p> <p>The paint and surface finishes specified herein are for normal applications as intended by the manufacturer. Should a finish be required for a surface other than that for which it would normally be used, then the specifier should contact manufacturer for approval.</p> <p style="text-align: right;"><b>Carried Forward</b></p> <p>Section No. 5 Bill No. 9 Paintwork</p>				
			R	

Brought Forward		
<b><u>COLOURS</u></b>		
Unless otherwise described all paintwork shall be deemed to have a colour value in excess of 7 on the Munsell system in accordance with SANS 1091		
<b><u>(CPAP WORK GROUP NO. 152) unless otherwise stated</u></b>		
<b><u>PAINTWORK ETC.</u></b>		
<b><u>ON INTERNAL FLOATED PLASTER SURFACES</u></b>		
<b><u>Prepare surfaces and remove all loose material, apply one coat 'Plascon Wall and All Pure Acrylic' thinned 20% and one coat 'Plascon Wall and All Pure Acrylic' paint or equal and approved:</u></b>		
1	On internal walls.	m2 1,837
2	External walls	m2 743
<b><u>ON PLASTERBOARD</u></b>		
<b><u>Prepare surfaces and remove all loose material, apply one coat 'Merit Plaster Primer' and two coats 'Plascon Double Velvet Pure Acrylic' paint or equal and approved:</u></b>		
3	On ceilings and cornices.	m2 1,336
<b><u>ON METAL</u></b>		
<b><u>Prepare surfaces and remove all loose material, dust, grease, salts and contamination with a degreaser, rinse and apply one coat Calcium Plumbate Primer, one coat Universal Undercoat and two coats High Gloss Enamel paint on galvanised steel:</u></b>		
4	On door frames	m2 29
5	On gates	m2 66
6	On Windows	m2 518
<b><u>ON WOOD</u></b>		
<b>Carried Forward</b>		
Section No. 5 Bill No. 9 Paintwork		

R

R

Brought Forward			R	330,015.00
	<p><u>Stop, sand down and prepare wood surfaces and apply one coat wood primer, one undercoat and two coats high gloss enamel paint:</u></p>			
7	On doors	m2	66	
	<p><b><u>ON FIBRE-CEMENT</u></b></p> <p><b><u>Apply Plascon meit plaster primer and two coats Plascon Velvaglo Polyurethane Enamel paint.</u></b></p>			
8	Fascias and barge boards.	m	430	
<p><b>Carried Forward to Summary of Section No. 5</b></p>			R	
<p>Section No. 5 Bill No. 9 Paintwork</p>				

Bill No	SECTION SUMMARY - BLOCK F, G, H AND I - 5NO CLASSROOM		BLOCKS	Amount
			Page No	
1	Alterations and Demolitions		81	
2	Roof Coverings		82	
3	Carpentry and Joinery		84	
4	Ceilings partitions and Access Flooring		86	
5	Ironmongery		88	
6	Floor Coverings		89	
7	Plumbing and Drainage		90	
8	Glazing		91	
9	Paintwork		94	
Carried to Final Summary				R
Section No. 5				

Item No	Unit	Quantity	Rate	Amount
<b><u>SECTION NO.6</u></b>				
<b><u>BLOCK J. K. L AND M - ABLUTION BLOCKS</u></b>				
<b><u>BILL NO.1</u></b>				
<b><u>ALTERATIONS AND DEMOLITIONS</u></b>				
<b><u>PREAMBLES</u></b>				
<p>The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.</p>				
<b><u>SUPPLEMENTARY PREAMBLES</u></b>				
<b><u>Damage and Repairs to Services</u></b>				
<p>Should the Contractor damage any services which are to remain in operation or any services which have not yet been disconnected prior to removal, then the Contractor will be held solely responsible for such damage and any further resultant damage.</p>				
<p>The Contractor shall immediately notify the Representative/Agent and the Authorities concerned and he shall at his own cost make all necessary arrangements for disconnection and repairs with the relevant Authorities and shall pay all fees and charges levied.</p>				
<b><u>Disposal of Materials</u></b>				
<p>All existing materials specified to be "removed", demolished and removed", "hacked up or off and removed", or "taken down or off and removed" or "broken down and removed", etc., become the property of the contractor. These materials and all debris, rubbish and earth must be carted away by the Contractor and the site must be left clean and unencumbered. The Contractor must make his own arrangements for dumping and shall pay all fees and charges levied.</p>				
<b>Carried Forward</b>			R	
<p>Section No. 6 Bill No. 1 Alterations and Demolitions</p>				



**Brought Forward**

R

If any of the bricks or other materials specified to be "removed" are sound and considered suitable for any portion of the new work they must be thoroughly cleaned off and stacked on site for inspection by the Representative/Agent must be obtained before any such materials are re-used in the new work.

All existing materials specified to be "taken down and set aside for re-use" or "taken down and set aside" shall remain the property of Employer and must be cleaned off, cleared off all nails, etc. and neatly stacked and stored on site by the Contractor where directed and carefully handled during taking down, storage and re-fixing. The Contractor will be held responsible for the safety of these materials and must take all necessary precautions for their protection and any damage or loss that may occur must be made good by the Contractor at his own expense.

The Contractor must visit the site and the buildings and acquaint himself fully with conditions and scope of alterations and demolitions. Descriptions herein are brief and are to serve as a means of identifying work only. The full extent of work is to be assessed by the contractor on site. All sizes indicated are approximate.

Rates for demolitions and alterations are to include for all needling, strutting and shoring, etc. that may be necessary whilst carrying out any portion of the work to ensure the stability of the building with suitable and substantial materials to the satisfaction of the Representative/Agent and remove when directed.

Old Materials to become the property of the contractor.

Old materials from alterations, except where described to be re-used or handed over, become the property of the contractor who must allow credit in the final summary.

Old Materials to be carted away:

Old materials from alterations, except where described to be re-used or handed over, as well as rubbish, etc. must be regularly carted from site and not to be allowed to accumulate on or around the site.

**Carried Forward**

R

Section No. 6  
Bill No. 1  
Alterations and Demolitions

Brought Forward			R
<u>Handling over of materials</u>			
Where certain materials or articles from alterations are described to be handed over by the contractor to the Regional Representative/Agent, such materials or articles shall be properly stored by the contractor, until handling over thereof.			
The Contractor must obtain an official receipt listing the materials or articles and dates of handing over. If the contractor fails to submit the receipt when requested to do so, it shall be deemed that the materials or articles are still in his possession and he will be held liable to the Municipality for the full replacement value thereof, which will be deducted from any monies due to the Contractor.			
<b><u>TEMPORARY BARRIERS, SCREENS, ETC.</u></b>			
<b><u>Temporary barriers, screens, etc. and including removal</u></b>			
1	Provide, fix, maintain, move and subsequently remove all temporary barriers, screens, overhead projections, etc. that may be necessary whilst carrying out any portion of the work for the protection of persons, animals and things, including the protection of existing buildings, structures, pavings and services on the remainder of the site	Item	
<b><u>REMOVAL OF EXISTING WORK</u></b>			
<b><u>Taking out and removing doors, ironmongery</u></b>			
2	Timber single door including ironmongery	No	20
<b><u>Take out and remove wall tiles</u></b>			
3	Existing wall tiles	m2	20
<b><u>BUDGETARY ALLOWANCE</u></b>			
4	Allow the budgetary amount of R 50 000 (Fifty Thousand Rands) to be used for any unforeseen alterations or omitted in part or in whole as required for additional builder's work not to be used at the discretion of contractor.	Item	
<b>Carried Forward to Summary of Section No.</b>			
<b>6</b>			R
Section No. 6			
Bill No. 1			
Alterations and Demolitions			

Item No		Unit	Quantity	Rate	Amount
	<b><u>SECTION NO.6</u></b>  <b><u>BLOCK J, K, L AND M - ABLUTION BLOCKS</u></b>  <b><u>BILL NO.2</u></b>  <b><u>ROOF COVERINGS, ETC.</u></b>  <b><u>PREAMBLES</u></b>  The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.  <hr/> (CPAP WORK GROUP NO. 124) unless otherwise stated  <b><u>SERVICE, REPAIRS, ETC. TO EXISTING WORKS</u></b>  <b><u>Service, repair and make good existing roof coverings</u></b>				
1	Service and make good the existing roof coverings including refixing roof sheets with new galvanised screws, patching all roof leaks with derbigum and leave roof in fully functional state for end user. (Provisional) <i>(All leaking roofs Blocks J, K, L and M)</i>	m2	399		
	<b>Carried Forward to Summary of Section No.</b> <div>6</div>				
	Section No. 6 Bill No. 2 Roof Coverings			R	22,024.80

Item No		Unit	Quantity	Rate	Amount
	<p><b><u>SECTION NO.6</u></b></p> <p><b><u>BLOCK J. K. L AND M - ABLUTION BLOCKS</u></b></p> <p><b><u>BILL NO.3</u></b></p> <p><b><u>CARPENTRY AND JOINERY</u></b></p> <p><b><u>PREAMBLES</u></b></p> <p>The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.</p> <hr/> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><b><u>Fixing:</u></b></p> <p>Items described as nailed shall be deemed to be fixed with hardened stainless steel nails/slots pins/spinless screws to brick or concrete.</p> <p>Fixing brackets to be hot dipped galvanised where items not specifically mentioned.</p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere</p> <p><u>Decorative thermosetting plastic laminate covering</u></p> <p>Laminate covering shall be glued under pressure and edge strips of same shall be butt jointed at junctions with adjacent similar finish</p> <p><b><u>DOORS. ETC.</u></b></p> <p>Refer to Architectural door schedule</p>				
	Carried Forward			R	
	<p>Section No. 6</p> <p>Bill No. 3</p> <p>Carpentry and Joinery</p>				

Brought Forward				R
<b><u>Semi-solid flush core timber door with masonite veneer hung to 1.2mm galvanised steel door frames (elsewhere)</u></b>				
1	44mm x 730 x 2032mm high single door with 100mm undercut	No	40	
<b><u>SOLID DOORS</u></b>				
<b><u>"Saligna Blaco"</u></b>				
2	40mm Framed ledged and braced batten door 813 x 2032mm high with 40 x 110mm styles and top rail, 20 x 150mm middle ledge, 20 x 225mm bottom ledge and 20 x 110mm braces filled in with V-jointed one side vertical boarding with tongued and grooved joints to top rail and stiles and with inner edges of framing and abutting edges of boarding chamfered to form V-joint	No	4	
<b>Carried Forward to Summary of Section No. 6</b>				R
Section No. 6				
Bill No. 3				
Carpentry and Joinery				

Item No	Unit	Quantity	Rate	Amount
<p><b><u>SECTION NO.6</u></b></p> <p><b><u>BLOCK J. K. L AND M - ABLUTION BLOCKS</u></b></p> <p><b><u>BILL NO.4</u></b></p> <p><b><u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u></b></p> <p><b><u>PREAMBLES</u></b></p> <p>The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.</p> <hr/> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><u>Fixing</u></p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete</p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere</p> <p><u>Ceilings</u></p> <p>Unless otherwise described ceilings shall be deemed to be horizontal</p> <p><b><u>CEILINGS. ETC.</u></b></p> <p><b><u>(CPAP WORK GROUP NO. 129) unless otherwise stated</u></b></p> <p><b><u>NAILED-UP CEILINGS</u></b></p>				
<p style="text-align: right;"><b>Carried Forward</b></p> <p>Section No. 6 Bill No. 4 Ceilings, Partitions and Access Flooring</p>			R	

Brought Forward			R
<b><u>6.5mm Gypsum plasterboard with H-profile metal steel jointing strips</u></b>			
1	Ceilings including 50 x 50mm sawn softwood brandering at 400mm centres generally in one direction and 50 x 50mm branders and cross branders at joints and edges of boards	m2	285
2	Extra over ceiling for 600 x 600mm trap door of 38 x 114mm softwood rebated framing with one cross brander, covered with ceiling board and fitted flush in opening, including necessary trimmers around	No	4
<b><u>"Rhino" gypsum plasterboard cornices</u></b>			
3	75mm Coved cornices	m	136
<b><u>"Isotherm" insulation</u></b>			
4	50mm Insulation closely fitted and laid on top of brandering between roof timbers, etc.	m2	285
<b>Carried Forward to Summary of Section No.</b>			
<b>6</b>			R
Section No. 6			
Bill No. 4			
Ceilings, Partitions and Access Flooring			

Item No		Unit	Quantity	Rate	Amount
	<b><u>SECTION NO.6</u></b>				
	<b><u>BLOCK J. K. L AND M - ABLUTION BLOCKS</u></b>				
	<b><u>BILL NO.5</u></b>				
	<b><u>IRONMONGERY</u></b>				
	<b><u>PREAMBLES</u></b>				
	The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.				
	<hr/>				
	<b><u>(CPAP WORK GROUP NO. 132) unless otherwise stated</u></b>				
	<b><u>LOCKS</u></b>				
	<u>"Dorma" or similar approved</u>				
1	"Ref 390/313" four-lever mortice lockset	No	4		
	<b><u>SUNDRIES</u></b>				
2	38mm Diameter rubber door stop plugged	No	4		
	<b><u>KEY TAGS</u></b>				
3	28mm Diameter x 1mm thick brass key tags with one numeral and one letter engraved	No	4		
4	Approved standard stainless steel key rings	No	4		
	<b>Carried Forward to Summary of Section No.</b>				
	<b>6</b>				
	Section No. 6				
	Bill No. 5				
	Ironmongery				
				R	



Item No		Unit	Quantity	Rate	Amount
	<b><u>SECTION NO.6</u></b>				
	<b><u>BLOCK J. K. L AND M - ABLUTION BLOCKS</u></b>				
	<b><u>BILL NO.6</u></b>				
	<b><u>PLUMBING AND DRAINAGE</u></b>				
	<b><u>PREAMBLES</u></b>				
	The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.				
	<b><u>PLUMBING AND DRAINAGE (PROVISIONAL)</u></b>				
	<b><u>RAINWATER DISPOSAL</u></b>				
	<b><u>0.6mm Chromadek seamless gutters and rainwater pipes</u></b>				
1	155 x 100 x 115mm aluminium ogee roof gutters with baked enamel finish fixed with concealed brackets	m	76		
2	Extra over gutter for stopped end	No	16		
3	75 x 100mm Diameter rainwater pipes	m	45		
4	Extra over gutter for outlet for 100 x 75mm pipe	No	16		
5	Extra over 100mm rainwater pipe for eaves or plinth offset 650mm projection	No	16		
	<b><u>BUDGETARY ALLOWANCE</u></b>				
	<b><u>The following budgetary allowance for plumbing work, if required, to be executed by the contractor:</u></b>				
6	Provide the amount of R 100, 000.00 (One Hundred Thousand Rands) for plumbing work to be spent in whole or part or omitted from the contract. Work will be measured at scheduled rates		Item		100,000.00
	<b>Carried Forward to Summary of Section No. 6</b>			R	
	Section No. 6 Bill No. 6 Plumbing and Drainage				

Item No		Unit	Quantity	Rate	Amount
	<p><b><u>SECTION NO.6</u></b></p> <p><b><u>BLOCK J. K. L AND M - ABLUTION BLOCKS</u></b></p> <p><b><u>BILL NO.7</u></b></p> <p><b><u>TILING</u></b></p> <p><b><u>PREAMBLES</u></b></p> <p>The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.</p> <hr/> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p>Smooth, off form/shutter or power floated cement surfaces must be acid washed to remove laitance and rinsed with water</p> <p>No adhesive is to be applied to wet screeds nor to screeds with a water content greater than that required by the adhesive manufacturer.</p> <p>Loading and heavy duty installations</p> <p>In areas where the loading exceeds 20kg/m<sup>2</sup>, heavy traffic areas and floor areas which are frequently washed down or external and wet conditions flexible water resistant adhesives and grouts are recommended.</p> <p>Preparation of surfaces:</p> <p>On both walls and floors there are minimum curing periods for walls and concrete floors as well as screeds and plasters and they are as follows:</p> <p>On both walls and floors there are minimum curing periods for walls and concrete floors as well as screeds and plasters and they are as follows:</p> <p>Surfaces must be firm and free of dust, mould, oil, grease, wax polish and organic growth. Organic growth must be removed and the spores killed with an effective fungicide such as a household bleaching solution.</p> <p style="text-align: right;"><b>Carried Forward</b></p> <p>Section No. 6 Bill No. 7 Tiling</p>				
				R	

Brought Forward		
<p>Unless described as fixed with adhesive to plaster (plaster elsewhere), descriptions of tiling on brick or concrete walls, columns, etc., shall be deemed to include 1:4 cement plaster backing and descriptions of tiling on concrete floors etc. shall be deemed to include 1:3 plaster bedding.</p> <p><b><u>CERAMIC WALL TILING</u></b></p> <p><b><u>Glazed ceramic wall tiles size 200 x 200 x 5mm thick fixed with Ceresit Tylon recommended adhesive or equal and approved with straight joints in both directions, jointed and flush pointed with Ceresit Tylon CM33 white grout or equal and approved:</u></b></p>		
1	On Walls ( <i>around Urinal</i> )	m2 20
<p><b><u>FLOOR TILING</u></b></p> <p><b><u>600 x 600 x 10mm Non slip glazed floor tiles fixed with high strength rapid setting adhesive to and plaster bedding on concrete ( elsewhere measured) and flush pointed with tinted waterproof jointing compound</u></b></p>		
2	On floors and landings	m2 285
3	Extra over tiles to floors for work done in patterns	m2 60
4	100mm High cut tile	m 136
<p><b>Carried Forward to Summary of Section No.</b></p> <p style="text-align: right;"><b>6</b></p> <p>Section No. 6 Bill No. 7 Tiling</p>		

R

R

Item No		Unit	Quantity	Rate	Amount
	<p><b><u>SECTION NO.6</u></b></p> <p><b><u>BLOCK J. K. L AND M - ABLUTION BLOCKS</u></b></p> <p><b><u>BILL NO.8</u></b></p> <p><b><u>PAINTWORK</u></b></p> <p><b><u>PREAMBLES</u></b></p> <p>The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.</p> <hr/> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><b><u>PAINT SPECIFICATIONS</u></b></p> <p>All painting shall be done in accordance with "Plascon" specifications unless otherwise described</p> <p>Prime all skirtings and timber work not visible prior to installation. Further paint all glazing beads and reveals prior to glazing.</p> <p>Primers and first coats may be thinned in accordance with the paint specifications to aid the absorption of the paint.</p> <p>Where surfaces of plaster etc are sandy / friable, the first coat must be replaced with 'Merit' plaster primer thinned 10% with turpentine.</p> <p>All surfaces must be sound, clean and have a moisture content of less than 8% for walls generally and 3% for slabs/screeds etc.</p> <p>The paint and surface finishes specified herein are for normal applications as intended by the manufacturer. Should a finish be required for a surface other than that for which it would normally be used, then the specifier should contact manufacturer for approval.</p>				
	<p style="text-align: right;"><b>Carried Forward</b></p> <p>Section No. 6 Bill No. 8 Paintwork</p>			R	

Brought Forward		
<b><u>COLOURS</u></b>		
Unless otherwise described all paintwork shall be deemed to have a colour value in excess of 7 on the Munsell system in accordance with SANS 1091		
<b><u>(CPAP WORK GROUP NO. 152) unless otherwise stated</u></b>		
<b><u>PAINTWORK ETC.</u></b>		
<b><u>ON INTERNAL FLOATED PLASTER SURFACES</u></b>		
<b><u>Prepare surfaces and remove all loose material, apply one coat 'Plascon Wall and All Pure Acrylic' thinned 20% and one coat 'Plascon Wall and All Pure Acrylic' paint or equal and approved:</u></b>		
1	On internal walls	m2 381
2	External walls	m2 381
<b><u>ON WOOD</u></b>		
<b><u>Stop, sand down and prepare wood surfaces and apply one coat wood primer, one undercoat and two coats high gloss enamel paint:</u></b>		
3	On doors	m2 145
<b><u>ON METAL</u></b>		
<b><u>Prepare surfaces and remove all loose material, dust, grease, salts and contamination with a degreaser, rinse and apply one coat Calcium Plumbate Primer, one coat Universal Undercoat and two coats High Gloss Enamel paint on galvanised steel:</u></b>		
4	On door frames	m2 6
5	On window frames	m2 29
<b><u>ON FIBRE-CEMENT</u></b>		
<b><u>Apply Plascon meit plaster primer and two coats Plascon Velvaglo Polyurethane Enamel paint.</u></b>		
6	Fascias and barge boards	m 160
<b>Carried Forward to Summary of Section No.</b>		
<b>6</b>		
Section No. 6		
Bill No. 8		
Paintwork		

R

R

[illegible]

Item No	Unit	Quantity	Rate	Amount
<b><u>SECTION NO.7</u></b>				
<b><u>BLOCK O - SNP KITCHEN</u></b>				
<b><u>BILL NO.1</u></b>				
<b><u>ALTERATIONS AND DEMOLITIONS</u></b>				
<b><u>PREAMBLES</u></b>				
<p>The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.</p>				
<b><u>SUPPLEMENTARY PREAMBLES</u></b>				
<b><u>Damage and Repairs to Services</u></b>				
<p>Should the Contractor damage any services which are to remain in operation or any services which have not yet been disconnected prior to removal, then the Contractor will be held solely responsible for such damage and any further resultant damage.</p>				
<p>The Contractor shall immediately notify the Representative/Agent and the Authorities concerned and he shall at his own cost make all necessary arrangements for disconnection and repairs with the relevant Authorities and shall pay all fees and charges levied.</p>				
<b><u>Disposal of Materials</u></b>				
<p>All existing materials specified to be "removed", demolished and removed", "hacked up or off and removed", or "taken down or off and removed" or "broken down and removed", etc., become the property of the contractor. These materials and all debris, rubbish and earth must be carted away by the Contractor and the site must be left clean and unencumbered. The Contractor must make his own arrangements for dumping and shall pay all fees and charges levied.</p>				
<b>Carried Forward</b>			R	
<p>Section No. 7  Bill No. 1  Alterations and Demolitions</p>				

**Brought Forward**

R

If any of the bricks or other materials specified to be "removed" are sound and considered suitable for any portion of the new work they must be thoroughly cleaned off and stacked on site for inspection by the Representative/Agent must be obtained before any such materials are re-used in the new work.

All existing materials specified to be "taken down and set aside for re-use" or "taken down and set aside" shall remain the property of Employer and must be cleaned off, cleared off all nails, etc. and neatly stacked and stored on site by the Contractor where directed and carefully handled during taking down, storage and re-fixing. The Contractor will be held responsible for the safety of these materials and must take all necessary precautions for their protection and any damage or loss that may occur must be made good by the Contractor at his own expense.

The Contractor must visit the site and the buildings and acquaint himself fully with conditions and scope of alterations and demolitions. Descriptions herein are brief and are to serve as a means of identifying work only. The full extent of work is to be assessed by the contractor on site. All sizes indicated are approximate.

Rates for demolitions and alterations are to include for all needling, strutting and shoring, etc. that may be necessary whilst carrying out any portion of the work to ensure the stability of the building with suitable and substantial materials to the satisfaction of the Representative/Agent and remove when directed.

Old Materials to become the property of the contractor.

Old materials from alterations, except where described to be re-used or handed over, become the property of the contractor who must allow credit in the final summary.

Old Materials to be carted away:

Old materials from alterations, except where described to be re-used or handed over, as well as rubbish, etc. must be regularly carted from site and not to be allowed to accumulate on or around the site.

**Carried Forward**

R

Section No. 7

Bill No. 1

Alterations and Demolitions



Brought Forward			R
<u>Handling over of materials</u>			
Where certain materials or articles from alterations are described to be handed over by the contractor to the Regional Representative/Agent, such materials or articles shall be properly stored by the contractor, until handling over thereof.			
The Contractor must obtain an official receipt listing the materials or articles and dates of handing over. If the contractor fails to submit the receipt when requested to do so, it shall be deemed that the materials or articles are still in his possession and he will be held liable to the Municipality for the full replacement value thereof, which will be deducted from any monies due to the Contractor.			
<b><u>TEMPORARY BARRIERS, SCREENS, ETC.</u></b>			
<b><u>Temporary barriers, screens, etc. and including removal</u></b>			
1	Provide, fix, maintain, move and subsequently remove all temporary barriers, screens, overhead projections, etc. that may be necessary whilst carrying out any portion of the work for the protection of persons, animals and things, including the protection of existing buildings, structures, pavings and services on the remainder of the site	Item	
<b><u>REMOVAL OF EXISTING WORK</u></b>			
<b><u>Remove the gypsum board ceilings, cornices, including timber battens complete</u></b>			
2	Ceilings	m2	40
<b><u>Taking out and removing, burglar proof, doors, ironmongery, windows, etc from existing brickwall</u></b>			
3	813 x 2032mm High timber door	No	1
<b><u>MAKING GOOD OF FINISHES, ETC.</u></b>			
<b><u>Making good</u></b>			
4	Make good affected screed to floors to receive new floor coverings	m2	40
<b>Carried Forward to Summary of Section No.</b>			
<b>7</b>			R
Section No. 7			
Bill No. 1			
Alterations and Demolitions			



Brought Forward

**"Sisalation 420" heavy industrial grade aluminium foil based insulation**

- 5 Insulation sheeting laid taut over purlins and fixed concurrent with roof covering with minimum 150mm stapled laps including steel straining wires at not exceeding 400mm centres and double sided tape at edges where required

m2

52

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

**7**

Section No. 7  
Bill No. 2  
Roof Coverings

R

Item No	Unit	Quantity	Rate	Amount
<b><u>SECTION NO.7</u></b>				
<b><u>BLOCK O - SNP KITCHEN</u></b>				
<b><u>BILL NO.3</u></b>				
<b><u>CARPENTRY AND JOINERY</u></b>				
<b><u>PREAMBLES</u></b>				
The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.				
<b><u>SUPPLEMENTARY PREAMBLES</u></b>				
<b><u>Fixing:</u></b>				
Items described as nailed shall be deemed to be fixed with hardened stainless steel nails/slots pins/spinless screws to brick or concrete.				
Fixing brackets to be hot dipped galvanised where items not specifically mentioned.				
Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere				
<u>Decorative thermosetting plastic laminate covering</u>				
Laminate covering shall be glued under pressure and edge strips of same shall be butt jointed at junctions with adjacent similar finish				
<b><u>(CPAP WORK GROUP NO. 126) unless otherwise stated</u></b>				
<b><u>ROOFS ETC</u></b>				
<b><u>PLATE NAILED TIMBER ROOF TRUSS CONSTRUCTION, ETC.</u></b>				
<b>Carried Forward</b>			R	
Section No. 7 Bill No. 3 Carpentry and Joinery				

Brought Forward			R
<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
Tenderers are to make allowance in their rates for additional expenses in regard to treatment of timber against insect pest affecting softwood fixed permanently in the building			
The design of prefabricated roof trusses, bracings and secondary members forming part of the total timber roof construction shall be prepared by a professional structural engineer- Truss System Engineer			
A copy of letter reference TR1 and TR2 must be completed and signed by the Truss System Engineer and submitted to the Architect			
The tenderer is to allow in his rates for the roof trusses for the design, manufacture, supply, hoisting and fixing of the roof trusses and permanent bracings, any necessary temporary bracing, and for the costs of all inspections by the Truss System Engineer			
Roof pitch is to be 17.5 degrees			
Ceilings are 6.0mm Gypsum on 38 x 38mm brandering at 400 c/c			
The dimensions in the description of the trusses are nominal and actual measurements are to be obtained from the Architect/Engineers and or taken on site before design or fabrication.			
<b><u>Sawn treated softwood grade V4</u></b>			
1	Roof construction to double pitched roof 8400mm long x 6130mm wide x 1750mm high (17.5 degrees pitch) with 600mm overhang on both sides including trusses, runners, bracings etc (all plates, purlins hurricane clips, elsewhere measured).	No	1
2	38 x 114mm Wall plates	m	17
3	38 x 228mm Gangboards	m	8
4	50 x 76mm Purlins	m	101
5	Extra over for 300mm long wrought end to purlins	No	12
6	76 x 76mm Splayed purlins	m	6
<b>Carried Forward</b>			R
Section No. 7 Bill No. 3 Carpentry and Joinery			

Brought Forward			
7	Supply Performance certificate to certify that the roof has been constructed and erected in accordance with approved design (TR1 and TR2 Certificates)		Item
	<b><u>Sundries</u></b>		
8	Two coats "ABE provonite" paint on exposed roof timbers and wall plates.	m2	16
9	"Teco" two way hurricane clips	No	80
	<b><u>EAVES, VERGES, ETC</u></b>		
	<b><u>"Everite Nutech" Medium density fibre-cement fascia board with H-profile plastic fascia jointers</u></b>		
10	12 x 225mm Fascia boards, including aluminium H-profile fascia joiners and fixed with hot dipped galvanised drive screws and washers (no paint) (Everite Nutech - product number 041-203 and 685-195)	m	17
	<b><u>"Everite Nutech" Fibre-cement socketless barge boards</u></b>		
11	10 x 80 x 225mm Barge boards including aluminium H-profile barge joiners and fixed with hot dipped galvanised drive screws and washers (no paint) (Everite Nutech - product number 721-800)	m	12
	<b><u>DOORS, ETC.</u></b>		
	Refer to Architectural door schedule		
	<b><u>"Saligna Blaco"</u></b>		
12	40mm Framed ledged and braced batten door 813 x 2032mm high with 40 x 110mm styles and top rail, 20 x 150mm middle ledge, 20 x 225mm bottom ledge and 20 x 110mm braces filled in with V-jointed one side vertical boarding with tongued and grooved joints to top rail and stiles and with inner edges of framing and abutting edges of boarding chamfered to form V-joint	No	1
<b>Carried Forward to Summary of Section No.</b>			
<b>7</b>			
Section No. 7			
Bill No. 3			
Carpentry and Joinery			

R

Item No	Unit	Quantity	Rate	Amount
<b><u>SECTION NO.7</u></b>				
<b><u>BLOCK O - SNP KITCHEN</u></b>				
<b><u>BILL NO.4</u></b>				
<b><u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u></b>				
<b><u>PREAMBLES</u></b>				
The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.				
<b><u>SUPPLEMENTARY PREAMBLES</u></b>				
<u>Fixing</u>				
Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete				
Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere				
<u>Ceilings</u>				
Unless otherwise described ceilings shall be deemed to be horizontal				
<b><u>CEILINGS, ETC.</u></b>				
<b><u>(CPAP WORK GROUP NO. 129) unless otherwise stated</u></b>				
<b><u>NAILED-UP CEILINGS</u></b>				
Carried Forward				R
Section No. 7 Bill No. 4 Ceilings, Partitions and Access Flooring				

**Brought Forward****6.5mm Gypsum plasterboard with H-profile metal steel jointing strips**

1	Ceilings including 50 x 50mm sawn softwood brandering at 400mm centres generally in one direction and 50 x 50mm branders and cross branders at joints and edges of boards	m2	40
2	Extra over ceiling for 600 x 600mm trap door of 38 x 114mm softwood rebated framing with one cross brander, covered with ceiling board and fitted flush in opening, including necessary trimmers around	No	1
<b><u>"Rhino" gypsum plasterboard cornices</u></b>			
3	75mm Coved cornices	m	37
<b><u>"Isotherm" insulation</u></b>			
4	50mm Insulation closely fitted and laid on top of brandering between roof timbers, etc	m2	40

**Carried Forward to Summary of Section No.****7**

Section No. 7

Bill No. 4

Ceilings, Partitions and Access Flooring

R



Item No		Unit	Quantity	Rate	Amount
	<b><u>SECTION NO.7</u></b>				
	<b><u>BLOCK O - SNP KITCHEN</u></b>				
	<b><u>BILL NO.5</u></b>				
	<b><u>IRONMONGERY</u></b>				
	<b><u>PREAMBLES</u></b>				
	The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.				
	<b><u>(CPAP WORK GROUP NO. 132) unless otherwise stated</u></b>				
	<b><u>LOCKS</u></b>				
	<u>"Dorma" or similar approved</u>				
1	"Ref 390/313" four-lever mortice lockset	No	1		
	<b><u>SUNDRIES</u></b>				
2	38mm Diameter rubber door stop plugged	No	1		
	<b><u>KEY TAGS</u></b>				
3	28mm Diameter x 1mm thick brass key tags with one numeral and one letter engraved	No	1		
4	Approved standard stainless steel key rings	No	1		
	<b>Carried Forward to Summary of Section No.</b>				
	<b>7</b>				
	Section No. 7				
	Bill No. 5				
	Ironmongery				
				R	

Item No	Unit	Quantity	Rate	Amount
<b><u>SECTION NO.7</u></b>				
<b><u>BLOCK O - SNP KITCHEN</u></b>				
<b><u>BILL NO.6</u></b>				
<b><u>PLUMBING AND DRAINAGE</u></b>				
<b><u>PREAMBLES</u></b>				
The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2008 Edition) and to the Supplementary Preambles which are incorporated in this Bill				
<b><u>SUPPLEMENTARY PREAMBLES</u></b>				
<b><u>Copper pipes:</u></b>				
Pipes shall be hard drawn and half-hard pipes of the class stated. Class 0 (thin walled hard drawn) pipes shall not be bent. Class 1 (thin walled half-hard), class 2 (half-hard) and class 3 (heavy walled half-hard) pipes shall only be bent with benders with inner and outer formers. Fittings to copper waste, vent and anti-syphon pipes, capillary solder fittings and compression fittings shall be 'Cobra Watertech' type. Capillary solder fittings shall be 'Cobra Watertech' type. Capillary solder fittings shall comply with ISO 2016. Only compression fittings shall be used in walls or in ground.				
<b><u>Reducing fittings:</u></b>				
Where fittings have reducing ends or branches they are described as 'reducing'. In the case of pipes with diameters not exceeding 60mm only the largest end or branch size is given. Should the Contractor wish to use other fittings and bushes or reducers he may do so on the understanding that no claim in this regard will be entertained. In the case of pipes with diameters exceeding 60mm all sizes are given and no claim for extra bushes, reducers, etc. will be entertained.				
<b><u>Waste unions:</u></b>				
<b>Carried Forward</b>			R	
Section No. 7 Bill No. 6 Plumbing and Drainage				

Brought Forward				R
<b><u>uPVC pipes and fittings:</u></b>				
Soil, waste and vent pipes and fittings shall be solvent weld jointed.				
Descriptions of waste unions shall be deemed to include rubber or vulcanite plugs and chains fixed to fittings.				
<b><u>SANITARY FITTINGS</u></b>				
<b><u>Supply and fix wash trough to match the existing:</u></b>				
1	Wash trough as per Architect's specifications	No	1	
<b><u>FIRE APPLIANCES, ETC.</u></b>				
<b><u>"Chubb" or other equal and approved fire appliances all to SABS 543 requirements</u></b>				
2	4.5kg Dry chemical powder portable fire extinguisher	No	1	
3	190 x 190mm ABS plastic symbolic safety sign type FB2 plugged and screwed to wall	No	1	
<b>Carried Forward to Summary of Section No.</b>				
<b>7</b>				R
Section No. 7				
Bill No. 6				
Plumbing and Drainage				

Item No	Unit	Quantity	Rate	Amount
<b><u>SECTION NO.7</u></b>				
<b><u>BLOCK O - SNP KITCHEN</u></b>				
<b><u>BILL NO.7</u></b>				
<b><u>TILING</u></b>				
<b><u>PREAMBLES</u></b>				
<p>The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.</p> <hr/>				
<b><u>SUPPLEMENTARY PREAMBLES</u></b>				
<p>Smooth, off form/shutter or power floated cement surfaces must be acid washed to remove laitance and rinsed with water</p>				
<p>No adhesive is to be applied to wet screeds nor to screeds with a water content greater than that required by the adhesive manufacturer.</p>				
<p>Loading and heavy duty installations</p>				
<p>In areas where the loading exceeds 20kg/m<sup>2</sup>, heavy traffic areas and floor areas which are frequently washed down or external and wet conditions flexible water resistant adhesives and grouts are recommended.</p>				
<p>Preparation of surfaces:</p>				
<p>On both walls and floors there are minimum curing periods for walls and concrete floors as well as screeds and plasters and they are as follows:</p>				
<p>On both walls and floors there are minimum curing periods for walls and concrete floors as well as screeds and plasters and they are as follows:</p>				
<p>Surfaces must be firm and free of dust, mould, oil, grease, wax polish and organic growth. Organic growth must be removed and the spores killed with an effective fungicide such as a household bleaching solution.</p>				
<b>Carried Forward</b>			R	
<p>Section No. 7 Bill No. 7 Tiling</p>				

Brought Forward			R
<p>Unless described as fixed with adhesive to plaster (plaster elsewhere), descriptions of tiling on brick or concrete walls, columns, etc., shall be deemed to include 1:4 cement plaster backing and descriptions of tiling on concrete floors etc. shall be deemed to include 1:3 plaster bedding.</p> <p><b><u>CERAMIC WALL TILING</u></b></p> <p><b><u>Glazed ceramic wall tiles size 200 x 200 x 5mm thick fixed with Ceresit Tylon recommended adhesive or equal and approved with straight joints in both directions, jointed and flush pointed with Ceresit Tylon CM33 white grout or equal and approved:</u></b></p>			
1	On Walls ( <i>Splash Backs</i> )	m2	10
<p><b><u>FLOOR TILING</u></b></p> <p><b><u>600 x 600 x 10mm Non slip glazed floor tiles fixed with high strength rapid setting adhesive to and plaster bedding on concrete ( elsewhere measured) and flush pointed with tinted waterproof jointing compound (Allow a Prime Cost Amount of R200.00/m2):</u></b></p>			
2	On floors and landings	m2	40
3	Extra over tiles to floors for work done in patterns	m2	10
4	100mm High cut tile	m	37
<p><b>Carried Forward to Summary of Section No.</b></p> <p style="text-align: right;"><b>7</b></p> <p>Section No. 7 Bill No. 7 Tiling</p>			R

Item No	Unit	Quantity	Rate	Amount
<p><b><u>SECTION NO.7</u></b></p> <p><b><u>BLOCK O - SNP KITCHEN</u></b></p> <p><b><u>BILL NO.8</u></b></p> <p><b><u>GLAZING</u></b></p> <p><b><u>PREAMBLES</u></b></p> <p>The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.</p> <hr/> <p><b><u>(CPAP WORK GROUP NO. 150) unless otherwise stated</u></b></p> <p><b><u>GLAZING TO STEEL WITH PUTTY</u></b></p> <p><b><u>6mm Clear float glass</u></b></p>				
1	m2	10		
<p><b>Carried Forward to Summary of Section No.</b></p> <p style="text-align: right;"><b>7</b></p> <p>Section No. 7 Bill No. 8 Glazing</p>				<p>R</p>

Item No	Unit	Quantity	Rate	Amount
<b><u>SECTION NO.7</u></b>				
<b><u>BLOCK O - SNP KITCHEN</u></b>				
<b><u>BILL NO.9</u></b>				
<b><u>PAINTWORK</u></b>				
<b><u>PREAMBLES</u></b>				
<p>The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.</p>				
<b><u>SUPPLEMENTARY PREAMBLES</u></b>				
<b><u>PAINT SPECIFICATIONS</u></b>				
<p>All painting shall be done in accordance with "Plascon" specifications unless otherwise described</p>				
<p>Prime all skirtings and timber work not visible prior to installation. Further paint all glazing beads and reveals prior to glazing.</p>				
<p>Primers and first coats may be thinned in accordance with the paint specifications to aid the absorption of the paint.</p>				
<p>Where surfaces of plaster etc are sandy / friable, the first coat must be replaced with 'Merit' plaster primer thinned 10% with turpentine.</p>				
<p>All surfaces must be sound, clean and have a moisture content of less than 8% for walls generally and 3% for slabs/screeds etc.</p>				
<p>The paint and surface finishes specified herein are for normal applications as intended by the manufacturer. Should a finish be required for a surface other than that for which it would normally be used, then the specifier should contact manufacturer for approval.</p>				
<b>Carried Forward</b>			R	
<p>Section No. 7 Bill No. 9 Paintwork</p>				

<b>Brought Forward</b>			R
<b><u>COLOURS</u></b>			
Unless otherwise described all paintwork shall be deemed to have a colour value in excess of 7 on the Munsell system in accordance with SANS 1091			
<b><u>(CPAP WORK GROUP NO. 152) unless otherwise stated</u></b>			
<b><u>PAINTWORK, ETC.</u></b>			
<b><u>ON INTERNAL FLOATED PLASTER SURFACES</u></b>			
<b><u>Prepare surfaces and remove all loose material, apply one coat 'Plascon Wall and All Pure Acrylic' thinned 20% and one coat 'Plascon Wall and All Pure Acrylic' paint or equal and approved:</u></b>			
1	On internal walls	m2	105
2	External walls	m2	81
<b><u>ON PLASTERBOARD</u></b>			
<b><u>Prepare surfaces and remove all loose material, apply one coat 'Merit Plaster Primer' and two coats 'Plascon Double Velvet Pure Acrylic' paint or equal and approved:</u></b>			
3	On ceilings and cornices	m2	40
<b><u>ON METAL</u></b>			
<b><u>Prepare surfaces and remove all loose material, dust, grease, salts and contamination with a degreaser, rinse and apply one coat Calcium Plumbate Primer, one coat Universal Undercoat and two coats High Gloss Enamel paint on galvanised steel:</u></b>			
4	On door frames	m2	1
5	On gates	m2	3
<b><u>ON WOOD</u></b>			
<b>Carried Forward</b>			R
Section No. 7 Bill No. 9 Paintwork			



Brought Forward			
	<u>Stop, sand down and prepare wood surfaces and apply one coat wood primer, one undercoat and two coats high gloss enamel paint:</u>		
6	On doors	m2	3
	<b><u>ON FIBRE-CEMENT</u></b>		
	<u>Apply Plascon meit plaster primer and two coats Plascon Velvaglo Polyurethane Enamel paint.</u>		
7	Fascias and barge boards	m	29
Carried Forward to Summary of Section No. 7			
Section No. 7			
Bill No. 9			
Paintwork			
			R

[illegible]

Item No	Unit	Quantity	Rate	Amount
<b><u>SECTION NO.8</u></b>				
<b><u>BLOCK K - GUARD HOUSE</u></b>				
<b><u>BILL NO.1</u></b>				
<b><u>ALTERATIONS AND DEMOLITIONS</u></b>				
<b><u>PREAMBLES</u></b>				
<p>The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.</p>				
<b><u>SUPPLEMENTARY PREAMBLES</u></b>				
<b><u>Damage and Repairs to Services</u></b>				
<p>Should the Contractor damage any services which are to remain in operation or any services which have not yet been disconnected prior to removal, then the Contractor will be held solely responsible for such damage and any further resultant damage.</p>				
<p>The Contractor shall immediately notify the Representative/Agent and the Authorities concerned and he shall at his own cost make all necessary arrangements for disconnection and repairs with the relevant Authorities and shall pay all fees and charges levied.</p>				
<b><u>Disposal of Materials</u></b>				
<p>All existing materials specified to be "removed", demolished and removed", "hacked up or off and removed", or "taken down or off and removed" or "broken down and removed", etc., become the property of the contractor. These materials and all debris, rubbish and earth must be carted away by the Contractor and the site must be left clean and unencumbered. The Contractor must make his own arrangements for dumping and shall pay all fees and charges levied.</p>				
<b>Carried Forward</b>			R	
<p>Section No. 8  Bill No. 1  Alterations and Demolitions</p>				

**Brought Forward**

R

If any of the bricks or other materials specified to be "removed" are sound and considered suitable for any portion of the new work they must be thoroughly cleaned off and stacked on site for inspection by the Representative/Agent must be obtained before any such materials are re-used in the new work.

All existing materials specified to be "taken down and set aside for re-use" or "taken down and set aside" shall remain the property of Employer and must be cleaned off, cleared off all nails, etc. and neatly stacked and stored on site by the Contractor where directed and carefully handled during taking down, storage and re-fixing. The Contractor will be held responsible for the safety of these materials and must take all necessary precautions for their protection and any damage or loss that may occur must be made good by the Contractor at his own expense.

The Contractor must visit the site and the buildings and acquaint himself fully with conditions and scope of alterations and demolitions. Descriptions herein are brief and are to serve as a means of identifying work only. The full extent of work is to be assessed by the contractor on site. All sizes indicated are approximate.

Rates for demolitions and alterations are to include for all needling, strutting and shoring, etc. that may be necessary whilst carrying out any portion of the work to ensure the stability of the building with suitable and substantial materials to the satisfaction of the Representative/Agent and remove when directed.

Old Materials to become the property of the contractor.

Old materials from alterations, except where described to be re-used or handed over, become the property of the contractor who must allow credit in the final summary.

Old Materials to be carted away:

Old materials from alterations, except where described to be re-used or handed over, as well as rubbish, etc. must be regularly carted from site and not to be allowed to accumulate on or around the site.

**Carried Forward**

R

Section No. 8  
Bill No. 1  
Alterations and Demolitions

Brought Forward			R
<u>Handling over of materials</u>			
Where certain materials or articles from alterations are described to be handed over by the contractor to the Regional Representative/Agent, such materials or articles shall be properly stored by the contractor, until handling over thereof.			
The Contractor must obtain an official receipt listing the materials or articles and dates of handing over. If the contractor fails to submit the receipt when requested to do so, it shall be deemed that the materials or articles are still in his possession and he will be held liable to the Municipality for the full replacement value thereof, which will be deducted from any monies due to the Contractor.			
<b><u>REMOVAL OF EXISTING WORK</u></b>			
<b><u>Taking out and removing doors, windows, etc and prepare openings to receive new doors, etc. and make good brickwork and plaster to one brick walls:</u></b>			
1	812 x 2032mm High timber single doors including timber frame, ironmongery, etc	No	1
<b><u>Removal of timber roof structure composed of purlins, trusses wall plates, etc. complete and prepare to receive new roof structure</u></b>			
2	Roof structure overall size 2254mm long x 1830mm flat roof	No	1
			4,000.00
<b><u>Taking up and removing wood block floor coverings, vinyl floor coverings, carpets, etc and preparing screeds for new floor coverings</u></b>			
3	Vinyl tile floor covering	m2	5
<b><u>Taking out and removing sundry joinery work</u></b>			
4	Timber skirtings from brickwork	m	10
<b><u>MAKING GOOD OF FINISHES, ETC.</u></b>			
<b><u>Making good</u></b>			
5	Make good affected screed to floors to receive new floor coverings	m2	5
<b>Carried Forward to Summary of Section No.</b>			
<b>8</b>			R
Section No. 8			
Bill No. 1			
Alterations and Demolitions			



Brought Forward

**"Sisalation 420" heavy industrial grade aluminium foil based insulation**

- 5 Insulation sheeting laid taut over purlins and fixed concurrent with roof covering with minimum 150mm stapled laps including steel straining wires at not exceeding 400mm centres and double sided tape at edges where required

m2

6

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

**8**

Section No. 8  
Bill No. 2  
Roof Coverings

R

Item No	Unit	Quantity	Rate	Amount
<b><u>SECTION NO.8</u></b>				
<b><u>BLOCK P - GUARD HOUSE</u></b>				
<b><u>BILL NO.3</u></b>				
<b><u>CARPENTRY AND JOINERY</u></b>				
<b><u>PREAMBLES</u></b>				
The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.				
<b><u>SUPPLEMENTARY PREAMBLES</u></b>				
<b><u>Fixing:</u></b>				
Items described as nailed shall be deemed to be fixed with hardened stainless steel nails/slots pins/spinless screws to brick or concrete.				
Fixing brackets to be hot dipped galvanised where items not specifically mentioned.				
Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere				
<u>Decorative thermosetting plastic laminate covering</u>				
Laminate covering shall be glued under pressure and edge strips of same shall be butt jointed at junctions with adjacent similar finish				
<b><u>(CPAP WORK GROUP NO. 126) unless otherwise stated</u></b>				
<b><u>ROOFS ETC</u></b>				
<b><u>PLATE NAILED TIMBER ROOF TRUSS CONSTRUCTION, ETC.</u></b>				
<b>Carried Forward</b>			R	
Section No. 8 Bill No. 3 Carpentry and Joinery				



Brought Forward			R
<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
Tenderers are to make allowance in their rates for additional expenses in regard to treatment of timber against insect pest affecting softwood fixed permanently in the building			
The design of prefabricated roof trusses, bracings and secondary members forming part of the total timber roof construction shall be prepared by a professional structural engineer- Truss System Engineer			
A copy of letter reference TR1 and TR2 must be completed and signed by the Truss System Engineer and submitted to the Architect			
The tenderer is to allow in his rates for the roof trusses for the design, manufacture, supply, hoisting and fixing of the roof trusses and permanent bracings, any necessary temporary bracing, and for the costs of all inspections by the Truss System Engineer			
Roof pitch is to be 17.5 degrees			
Ceilings are 6.0mm Gypsum on 38 x 38mm brandering at 400 c/c			
The dimensions in the description of the trusses are nominal and actual measurements are to be obtained from the Architect/Engineers and or taken on site before design or fabrication.			
<b><u>Sawn treated softwood grade V4</u></b>			
1	Roof construction to double pitched roof 2254mm long x 1830mm wide x 1750mm high (17.5 degrees pitch) with 600mm overhang on both sides including trusses, runners, bracings etc (all plates, purlins hurricane clips, elsewhere measured)	No	1
2	38 x 114mm Wall plates	m	8
3	50 x 76mm Purlins	m	18
4	Extra over for 300mm long wrought end to purlins	No	6
5	76 x 76mm Splayed purlins	m	3
<b>Carried Forward</b>			R
Section No. 8 Bill No. 3 Carpentry and Joinery			

Brought Forward			
6	Supply Performance certificate to certify that the roof has been constructed and erected in accordance with approved design (TR1 and TR2 Certificates)		Item
	<b><u>Sundries</u></b>		
7	Two coats "ABE provonite" paint on exposed roof timbers and wall plates	m2	2
8	"Teco" two way hurricane clips	No	16
	<b><u>EAVES. VERGES. ETC.</u></b>		
	<b><u>"Everite Nutech" Medium density fibre-cement fascia board with H-profile plastic fascia jointers</u></b>		
9	12 x 225mm Fascia boards, including aluminium H-profile fascia joiners and fixed with hot dipped galvanised drive screws and washers (no paint) (Everite Nutech - product number 041-203 and 685-195)	m	8
	<b><u>DOORS. ETC.</u></b>		
	Refer to Architectural door schedule		
	<b><u>"Saligna Blaco"</u></b>		
10	40mm Framed ledged and braced batten door 813 x 2032mm high with 40 x 110mm styles and top rail, 20 x 150mm middle ledge, 20 x 225mm bottom ledge and 20 x 110mm braces filled in with V-jointed one side vertical boarding with tongued and grooved joints to top rail and stiles and with inner edges of framing and abutting edges of boarding chamfered to form V-joint	No	1
	<b><u>SKIRTINGS</u></b>		
	<b><u>Wrought meranti</u></b>		
11	18 x 76mm Skirting	m	8
<b>Carried Forward to Summary of Section No.</b>			
<b>8</b>			R
Section No. 8			
Bill No. 3			
Carpentry and Joinery			

Item No		Unit	Quantity	Rate	Amount
	<b><u>SECTION NO.8</u></b>				
	<b><u>BLOCK P - GUARD HOUSE</u></b>				
	<b><u>BILL NO.4</u></b>				
	<b><u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u></b>				
	<b><u>PREAMBLES</u></b>				
	The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.				
	<hr/>				
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>				
	<u>Fixing</u>				
	Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete				
	Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere				
	<u>Ceilings</u>				
	Unless otherwise described ceilings shall be deemed to be horizontal				
	<b><u>CEILINGS, ETC.</u></b>				
	<b><u>(CPAP WORK GROUP NO. 129) unless otherwise stated</u></b>				
	<b><u>NAILED-UP CEILINGS</u></b>				
	<b>Carried Forward</b>			R	
	Section No. 8 Bill No. 4 Ceilings, Partitions and Access Flooring				

Brought Forward			R
<b><u>6.5mm Gypsum plasterboard with H-profile metal steel jointing strips</u></b>			
1	Ceilings including 50 x 50mm sawn softwood brandering at 400mm centres generally in one direction and 50 x 50mm branders and cross branders at joints and edges of boards	m2	5
2	Extra over ceiling for 600 x 600mm trap door of 38 x 114mm softwood rebated framing with one cross brander, covered with ceiling board and fitted flush in opening, including necessary trimmers around	No	1
<b><u>"Rhino" gypsum plasterboard cornices</u></b>			
3	75mm Coved cornices	m	10
<b><u>"Isotherm" insulation</u></b>			
4	50mm Insulation closely fitted and laid on top of brandering between roof timbers, etc	m2	5
<b>Carried Forward to Summary of Section No.</b>			
<b>8</b>			R
Section No. 8			
Bill No. 4			
Ceilings, Partitions and Access Flooring			

Item No		Unit	Quantity	Rate	Amount
	<p><b><u>SECTION NO.8</u></b></p> <p><b><u>BLOCK P - GUARD HOUSE</u></b></p> <p><b><u>BILL NO.5</u></b></p> <p><b><u>FLOOR COVERINGS, PLASTIC LININGS, ETC.</u></b></p> <p><b><u>PREAMBLES</u></b></p> <p>The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.</p> <hr/> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><u>Fixing</u></p> <p>Floor coverings, wall linings, etc shall, where applicable, be fixed with adhesive as recommended by the manufacturers of the flooring, linings, etc</p> <p><b><u>(CPAP WORK GROUP NO. 130) unless otherwise stated</u></b></p> <p><b><u>FLOOR COVERINGS</u></b></p> <p><b><u>VINYL FLOOR COVERINGS</u></b></p> <p><b><u>2mm thick x 1200mm wide Superflex fully flexible vinyl floor tiles</u></b></p>				
1	On floors	m2	4		
	<p><b><u>POLISH, SEALERS, ETC.</u></b></p>				
2	Three coats water based sealer on vinyl flooring	m2	4		
	<p><b>Carried Forward to Summary of Section No. 8</b></p>				
	<p>Section No. 8</p> <p>Bill No. 5</p> <p>Floor Coverings</p>			R	

Item No		Unit	Quantity	Rate	Amount
	<b><u>SECTION NO.8</u></b>				
	<b><u>BLOCK P - GUARD HOUSE</u></b>				
	<b><u>BILL NO.6</u></b>				
	<b><u>IRONMONGERY</u></b>				
	<b><u>PREAMBLES</u></b>				
	The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.				
	<hr/>				
	<b><u>(CPAP WORK GROUP NO. 132) unless otherwise stated</u></b>				
	<b><u>LOCKS</u></b>				
	<u>"Dorma" or similar approved</u>				
1	"Ref 390/313" four-lever mortice lockset	No	1		
	<b><u>SUNDRIES</u></b>				
2	38mm Diameter rubber door stop plugged	No	1		
	<b><u>KEY TAGS</u></b>				
3	28mm Diameter x 1mm thick brass key tags with one numeral and one letter engraved	No	1		
4	Approved standard stainless steel key rings	No	1		
	<b>Carried Forward to Summary of Section No.</b>				
	<b>8</b>				
	Section No. 8				
	Bill No. 6				
	Ironmongery				
				R	

Item No		Unit	Quantity	Rate	Amount
	<p><b><u>SECTION NO.8</u></b></p> <p><b><u>BLOCK P - GUARD HOUSE</u></b></p> <p><b><u>BILL NO.7</u></b></p> <p><b><u>GLAZING</u></b></p> <p><b><u>PREAMBLES</u></b></p> <p>The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.</p> <hr/> <p><b><u>(CPAP WORK GROUP NO. 150) unless otherwise stated</u></b></p> <p><b><u>GLAZING TO STEEL WITH PUTTY</u></b></p> <p><b><u>6mm Clear float glass</u></b></p>				
1	Panes exceeding 0,1m2 and not exceeding 0,5m2	m2	1		
	<p><b>Carried Forward to Summary of Section No.</b></p> <p style="text-align: right;"><b>8</b></p> <p>Section No. 8 Bill No. 7 Glazing</p>				

Item No		Unit	Quantity	Rate	Amount
	<b><u>SECTION NO.8</u></b>				
	<b><u>BLOCK P - GUARD HOUSE</u></b>				
	<b><u>BILL NO.8</u></b>				
	<b><u>PAINTWORK</u></b>				
	<b><u>PREAMBLES</u></b>				
	<p>The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.</p>				
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>				
	<b><u>PAINT SPECIFICATIONS</u></b>				
	<p>All painting shall be done in accordance with "Plascon" specifications unless otherwise described</p>				
	<p>Prime all skirtings and timber work not visible prior to installation. Further paint all glazing beads and reveals prior to glazing.</p>				
	<p>Primers and first coats may be thinned in accordance with the paint specifications to aid the absorption of the paint.</p>				
	<p>Where surfaces of plaster etc are sandy / friable, the first coat must be replaced with 'Merit' plaster primer thinned 10% with turpentine.</p>				
	<p>All surfaces must be sound, clean and have a moisture content of less than 8% for walls generally and 3% for slabs/screeds etc.</p>				
	<p>The paint and surface finishes specified herein are for normal applications as intended by the manufacturer. Should a finish be required for a surface other than that for which it would normally be used, then the specifier should contact manufacturer for approval.</p>				
	<b>Carried Forward</b>			R	
	Section No. 8				
	Bill No. 8				
	Paintwork				



Brought Forward		
<b><u>COLOURS</u></b>		
Unless otherwise described all paintwork shall be deemed to have a colour value in excess of 7 on the Munsell system in accordance with SANS 1091		
<b><u>(CPAP WORK GROUP NO. 152) unless otherwise stated</u></b>		
<b><u>PAINTWORK, ETC.</u></b>		
<b><u>ON INTERNAL FLOATED PLASTER SURFACES</u></b>		
<b><u>Prepare surfaces and remove all loose material, apply one coat 'Plascon Wall and All Pure Acrylic' thinned 20% and one coat 'Plascon Wall and All Pure Acrylic' paint or equal and approved:</u></b>		
1	On internal walls	m2 23
2	External walls	m2 23
<b><u>ON PLASTERBOARD</u></b>		
<b><u>Prepare surfaces and remove all loose material, apply one coat 'Merit Plaster Primer' and two coats 'Plascon Double Velvet Pure Acrylic' paint or equal and approved:</u></b>		
3	On ceilings and cornices	m2 4
<b><u>ON METAL</u></b>		
<b><u>Prepare surfaces and remove all loose material, dust, grease, salts and contamination with a degreaser, rinse and apply one coat Calcium Plumbate Primer, one coat Universal Undercoat and two coats High Gloss Enamel paint on galvanised steel:</u></b>		
4	On door frames	m2 3
5	On gates	m2 3
6	On Windows	m2 4
<b><u>ON WOOD</u></b>		
<b>Carried Forward</b>		
Section No. 8 Bill No. 8 Paintwork		

R

R

[illegible]

[illegible]

Item No		Unit	Quantity	Rate	Amount
	<b><u>SECTION NO.9</u></b>				
	<b><u>ELECTRICAL WORKS</u></b>				
	<b><u>BILL NO.1</u></b>				
	<b><u>Preliminary &amp; General</u></b>				
	The Contractor shall at his own cost, supply all samples that may be required. Material or work not conforming to the approved samples shall be rejected. The Engineer reserves to himself the right to submit samples to any tests to ensure that the material represented by the sample conforms to the requirements of the specifications.				
1	Amount required to comply with the Conditions of Contract			SUM	
2	Amount required to comply with the Technical Specification			SUM	
3	Amount required to comply with Health & Safety Specification			SUM	
	<b><u>Site Establishment</u></b>				
4	Amount required as a Fixed Amount			SUM	
5	Amount required as Adjustable with Contract Period			SUM	
6	Amount required as Adjustable with Contract Amount			SUM	
	<b>Carried Forward to Summary of Section No.</b>				
	<b>9</b>			R	
	Section No. 9				
	Bill No. 1				
	Preliminaries and Generals				

Item No		Unit	Quantity	Rate	Amount
	<b><u>SECTION NO.9</u></b>				
	<b><u>ELECTRICAL WORKS</u></b>				
	<b><u>BILL NO. 2</u></b>				
	<b><u>LV RETICULATION</u></b>				
1	Refurbishment of Main DB and issuing of COC			SUM	
2	Refurbishment and modification of DB-1 and issuing of COC			SUM	
3	Refurbishment and modification of DB-2 and issuing of COC			SUM	
4	Refurbishment and modification of DB-3 and issuing of COC			SUM	
5	Refurbishment and modification of DB-4 and issuing of COC			SUM	
6	Refurbishment and modification of DB-5 and issuing of COC			SUM	
7	Refurbishment and modification of DB-6 and issuing of COC			SUM	
8	Refurbishment and modification of DB-7 and issuing of COC			SUM	
9	Supply and Installation of 1 x 35mm <sup>2</sup> 4C PVC/SWA/Cu cable	m	60		
10	Supply and Installation of 1 x 25mm <sup>2</sup> BCEW	m	60		
11	Cable terminations for 1 x 35mm <sup>2</sup> 4C PVC/SWA/Cu cable to new Prefab cLassrooms	m	10		
12	Earth terminations for 1 x 25mm <sup>2</sup> BCEW	m	10		
13	Electrical wireways: P8000 trunking complete with covers, bends and accessories	m	600		
14	Sleeves wireways: 50mm diameter HDPE	m	100		
	<b>Carried Forward to Summary of Section No.</b>				
	<b>9</b>			R	
	Section No. 9				
	Bill No. 2				
	LV Reticulation				

Item No		Unit	Quantity	Rate	Amount
	<b><u>SECTION NO.9</u></b>				
	<b><u>ELECTRICAL WORKS</u></b>				
	<b><u>BILL NO. 3</u></b>				
	<b><u>POWER INSTALLATION</u></b>				
1	Supply, installation and Wiring of 16A Switched Socket outlet (SANS 164-1, 164-2) c/w 4mm2 L+N & 2.5mm2 E copper conductors wired from DB.	No	38		
2	Allow for an electrical heating system / air-conditioners, 32A Isolators for heaters / aircon c/w 6mm2 L+N & 4mm2 E copper conductors wired from DB, 3 phase cable to DB and additional circuit breakers per classroom	No	5		
3	2 compartment Powerskirting including bends and accessories to mounted on top of desks in computer room	m	40		
4	Power skirting socket outlets	No	28		
	<b>Carried Forward to Summary of Section No.</b>				
	<b>9</b>				
	Section No. 9				
	Bill No. 3				
	Power Installation				
				R	

Item No		Unit	Quantity	Rate	Amount
	<b><u>SECTION NO.9</u></b>				
	<b><u>ELECTRICAL WORKS</u></b>				
	<b><u>BILL NO. 4</u></b>				
	<b><u>LIGHTING INSTALLATION</u></b>				
1	Supply and installation of Type A Luminaire: 2 x 18W Linear LED Vapourproof (T8) 1500mm long, mild steel, c/w accessories (min. efficacy: 105 lm/W)			SUM	
2	5A unswitched sockets for Type A Luminaire c/w 2.5mm <sup>2</sup> L+N & 1.5mm <sup>2</sup> E copper conductors wired from DB.			SUM	
3	Supply and installation of Type C Luminaire: Round Bulkhead c/w 2x9W E27 LED Lamps, Surface mounted, die cast aluminium body and polycarbonate diffuser.			SUM	
4	Control point for Type C Luminaire c/w 2.5mm <sup>2</sup> L+N & 1.5mm <sup>2</sup> E copper conductors wired from DB.			SUM	
5	Supply and installation of Type VP Luminaire: Round Bulkhead c/w 2x9W E27 LED Lamps, Surface mounted, die cast aluminium body and polycarbonate diffuser.			SUM	
6	Control point for Type VP Luminaire c/w 2.5mm <sup>2</sup> L+N & 1.5mm <sup>2</sup> E copper conductors wired from DB.			SUM	
7	Supply and install light switch c/w 2.5mm <sup>2</sup> L+N & 1.5mm <sup>2</sup> E copper conductors wired from DB.			SUM	
8	Supply and install 16A Day/night switch, IP65 installed in empty rectangular bulkhead fitting			SUM	
	<b>Carried Forward to Summary of Section No. 9</b>			R	
	Section No. 9				
	Bill No. 4				
	Lighting Installation				

Item No		Unit	Quantity	Rate	Amount
	<b><u>SECTION NO.9</u></b> <b><u>ELECTRICAL WORKS</u></b> <b><u>BILL NO. 5</u></b> <b><u>EARTHING AND LIGHTNING PROTECTION INSTALLATION</u></b>				
1	PC SUMS for installation of Earthing and Lightning Protection as per the design and issuing of Certificate of Compliance.			SUM	
	<b>Carried Forward to Summary of Section No.</b> <div style="text-align: right;"><b>9</b></div>			R	
	Section No. 9 Bill No. 5 Earthing and Lightning Protection Installation				



Bill No	SECTION SUMMARY - ELECTRICAL WORKS	Page No	Amount
1	Preliminaries and Generals	148	
2	LV Reticulation	149	
3	Power Installation	150	
4	Lighting Installation	151	
5	Earthing and Lightning Protection Installation	152	
Carried to Final Summary			R
Section No. 9			

Item No		Unit	Quantity	Rate	Amount
	<b><u>SECTION NO.10</u></b>				
	<b><u>MECHANICAL WORKS</u></b>				
	<b><u>BILL NO.1</u></b>				
	<b><u>GENERAL (HVAC)</u></b>				
	<b><u>Mid Wall Split Unit (DX)</u></b>				
	<b><u>Existing unit to include indoor and outdoor unit, supports sundries, refrigerant piping, insulation, condensate piping etc.</u></b>				
1	Inspection of existing units	No	2		
2	Maintenance of units, regas, clean drainage piping, replace damaged insulation.	No	2		
3	Commissioning	No	2		
	<b><u>Refrigerant piping</u></b>				
4	1/4"	m	6		
5	1/2"	m	6		
	<b><u>Refrigerant INSULATION (Armacell)</u></b>				
6	1/4"	m	6		
7	1/2"	m	6		
	<b><u>Mid Wall Split Unit (DX)</u></b>				
	<b><u>3.6kW inverter type unit to include indoor and outdoor unit, supports sundries, refrigerant piping, insulation, condensate piping etc.</u></b>				
8	Supply and Delivery	No	1		
9	Installation and Commissioning	No	1		
	<b><u>Refrigerant piping</u></b>				
10	1/4"	m	6		
	<b>Carried Forward</b>			R	
	Section No. 10				
	Bill No. 1				
	General				

	Brought Forward			
11	1/2"	m	6	
	<u>Refrigerant INSULATION (Armacell)</u>			
12	1/4"	m	6	
13	1/2"	m	6	
Carried Forward to Summary of Section No.				R
10				
Section No. 10				
Bill No. 1				
General				

Item No		Unit	Quantity	Rate	Amount
	<b><u>SECTION NO.10</u></b>				
	<b><u>MECHANICAL WORKS</u></b>				
	<b><u>BILL NO.1</u></b>				
	<b><u>GENERAL (HVAC)</u></b>				
	<b><u>Electrical</u></b>				
	<b><u>Rectification and compliance of Interconnecting cabling, control wiring to dedicated isolators and switches</u></b>				
1	Cabling	m	10		
	<b>Carried Forward to Summary of Section No. 10</b>				
	Section No. 10				
	Bill No. 2				
	Electrical				

R

Bill No	SECTION SUMMARY - MECHANICAL WORKS	Page No	Amount
1	General	155	
2	Electrical	156	
Carried to Final Summary			R
Section No. 10			

[illegible]

[illegible]

[illegible]



Bill No	SECTION SUMMARY - CIVIL WORKS	Page No	Amount
1	Water Reticulation	158	
2	Stormwater	159	
3	Paving	160	
			R
Section No. 11			

Carried to Final Summary

Item No		Unit	Quantity	Rate	Amount
	<b><u>SECTION NO.12</u></b>				
	<b><u>EXTERNAL WORKS</u></b>				
	<b><u>BILL NO. 1</u></b>				
	<b><u>GENERAL SITE WORKS</u></b>				
	<b><u>PREAMBLES</u></b>				
	The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2009 Edition) and to the Supplementary Preambles which are incorporated in this Bill				
	<b><u>ALUMINIUM FLAGPOLE</u></b>				
	<b><u>(CPAP WORK GROUP NO. 140) unless otherwise stated</u></b>				
	<b><u>The following in a 8,5m high standard government type aluminium flagpole as "Aluweld" or other similar approved and erected on 600 x 600 x 800mm deep 20Mpa concrete base, including excavations, carting away, etc.</u></b>				
1	"Aluweld" or similar approved aluminium flagpole comprising 76mm and 50mm outside diameter aluminium tubing tapered by way of an aluminium cone casting, welded, and complete with spherical top cap, two pulleys, two cleats, two halyards (ropes) and swivel type base, etc.	No	1		
	<b>Carried Forward to Summary of Section No. 12</b>				
	Section No. 12 Bill No. 1 General Site Works			R	

Item No		Unit	Quantity	Rate	Amount
	<b><u>SECTION NO.12</u></b>				
	<b><u>EXTERNAL WORKS</u></b>				
	<b><u>BILL NO. 2</u></b>				
	<b><u>DEMOLITION WORKS</u></b>				
	<b><u>PREAMBLES</u></b>				
	The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill				
	<b><u>DEMOLITIONS</u></b>				
	<b><u>Demolition of buildings</u></b>				
1	Demolition of concrete surface bed overall size approximately 7808mm Long x 2232mm Wide x 200m thick including foundations, carting away of rubble, levelling, and preparing a platform to march natural ground level ( <i>Block N</i> )	No	1		
2	Demolition of steel sheet building overall size 7500mm Long x 7500mm Wide x 2600m high including surface bed, foundations, roof, carting away of rubble, levelling, and preparing a platform for a new building complete ( <i>Block Q</i> )	No	1		
	<b><u>Steel Container</u></b>				
3	Demolition of steel container block B overall size approximately 3000mm Long x 3000mm Wide x 2600m high including concrete platform, roof, carting away of rubble, levelling, and preparing a platform for a new building complete ( <i>Block B</i> )	No	1		
	<b><u>Carport</u></b>				
4	Demolition of carport block C overall size approximately 32500mm Long x 5897mm Wide including preparing a platform for a new building complete ( <i>Block C</i> )	No	1		
	<b>Carried Forward</b>			R	
	Section No. 12 Bill No. 2 Demolitions				

**Brought Forward**

**ASBESTOS REMOVAL**

- 5 Allow for removal of asbestos by the specialists, loading, disposal in accordance to relevant regulations to the authorised municipal site, provide the specialist details with the tender.
- 6 Allow for testing the roof materials suspected to be Asbestos before removal
- 7 Allow for any additional specialist cost to be approved by the client/employer

Item

Item

Item

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

**12**

Section No. 12  
Bill No. 2  
Demolitions

R



Brought Forward		
<u>ClearVU or equal approved anti-climbing and anti-cut pressed mesh panel fencing 2,1m high, formed of 3mm dia. horizontal and 4mm dia. vertical high tensile line galvanised with polymer coating wires with aperture size 76,2mm x 12,7mm and reinforcing V-section ribs, bolted with vandal resistant bolts and clamping plates to 60 x 60 x 3mm square tube posts 2,75m high at 2,534m centres with sealed end caps and 30 x 3mm x 250mm long angle section base anchors with posts bedded in 15MPa concrete bases size 400 x 400 x 600mm deep with anti theft double bar riveted to mesh and mesh base:</u>		
2	1800mm High fencing	m 789
3	100mm high powder coated charcoal shark tooth type spike rail, bolted to 50mm wide mesh fencing flange bent along the top	m 789
4	200 x 200mm concrete sill for anti-burrow including excavations, cartaway, backfilling, formwork to sides, etc.	m 789
5	Extra over fencing for all necessary accessories, components, transportation, etc.	Item
<b><u>GATES</u></b>		
6	Purpose made sliding gate size 7000 x 2100mm high complete with, rail, motor, lock and locking mechanism	No 1
7	Purpose made pedestrian gate size 1000 x 2100mm high complete with lock and locking mechanism	No 2
<b>Carried Forward to Summary of Section No. 12</b>		
Section No. 12 Bill No. 3 Fencing		

R

SECTION SUMMARY - EXTERNAL WORKS				
Bill No		Page No		Amount
1	General Site Works	162		
2	Demolitionts	164		
3	Fencing	166		
Carried to Final Summary			R	
Section No. 12				

Item No			Quantity	Rate	Amount R
	<b>PROVISIONAL SUMS : SECTION 13</b>				
	<b><u>PROVISIONAL SUMS</u></b>				
	The following budgetary allowances are for work to be executed by a specialist Sub- Contractor nominated by the Principal Agent				
	<b>MINIMUM TARGETED ENTERPRISE DEVELOPMENT</b>				
	A provisional amount has been allowed for in the execution of this project as described in C3.1 Project Specifications. The provisional amount allowed is for the appointment of training coordinator, mentor, training service providers and training of the beneficiary enterprises including monitoring and monthly reporting.				
	PS	1	R373 226,32	R 373 226,32	
	Allowance for profit all inclusive of associated costs to the contractor for implementation.	%			
	Allowance for attendance all inclusive of associated costs to the contractor for implementation.	%			
	<b><u>Construction of New Grade R Classrooms (3x)</u></b>				
	Provide the Amount of R8,000,000.00 (Eight Million Rands) for construction of 3 new grade R classrooms, with Playground as determined by the Principal Agent				
	Profit		Item		8,000,000.00
	Allow for general attendance		Item		
			Item		
	<b>Carried to Collection</b>				
	<b>SECTION NO.13 ASBESTOS REPLACEMENT</b>				
	Bill No. 1				
	Provisional Sums				



Section No	<u>FINAL SUMMARY</u>	Page No	Amount
1	PRELIMINARIES	24	
2	BLOCK A - STAFF ACCOMMODATION	41	
3	BLOCK D - ADMINISTRATION BLOCK	59	
4	BLOCK E - MULTI-PURPOSE CLASSROOM	77	
5	BLOCK F, G, H AND I - 5NO CLASSROOM BLOCKS	95	
6	BLOCK J, K, L AND M - ABLUTIONS	110	
7	BLOCK O - SNP KITCHEN	130	
8	BLOCK P - GUARD HOUSE	147	
9	ELECTRICAL WORKS	153	
10	MECHANICAL WORKS	157	
11	CIVIL WORKS	161	
12	EXTERNAL WORKS	167	
13	PROVISIONAL SUMS	168	
	SUB-TOTAL		R
	<u>ADD: CONTINGENCY</u>		
	Provide 5% to be used as directed by the Client/Employer and deducted in whole or in part if not required		R
	SUB-TOTAL		R
	ADD: VAT @15%		R
	TOTAL TENDER AMOUNT (CARRIED TO FORM OF TENDER)		R