

Item No	Quantity	Rate	Amount
<p><u>SECTION NO.1</u></p> <p><u>PRELIMINARIES</u></p> <p><u>BILL NO 1</u></p> <p><u>PRELIMINARIES</u></p> <p><u>BUILDING AGREEMENT AND PRELIMINARIES</u></p> <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 (JBCC 2005 4.1 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> <p><u>PREAMBLES FOR TRADES</u></p> <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>			
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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

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

PRICING OF PRELIMINARIES

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)

SECTION A - PRINCIPAL BUILDING AGREEMENT**Definitions**

- 1 Clause 1.0 - Definitions and interpretation

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

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Objective and preparations

- 2 Clause 2.0 - Offer acceptance and performance obligations

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

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- 3 Clause 3.0 - Documents

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

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- 4 Clause 4.0 - Design responsibility

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

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- 5 Clause 5.0 - Employer's agents

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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	
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14	Clause 13.0 - Assignment F:..... V:..... T:.....	Item	
15	Clause 14.0 - Security F:..... V:..... T:.....	Item	
<u>Execution</u>			
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	
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24	Clause 23.0 - Contractor's domestic subcontractors F:..... V:..... T:.....	Item	
<u>Completion</u>			
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:.....	Item	
<u>Payment</u>			
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	
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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><u>Termination</u></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><u>Dispute</u></p>	Item
41	<p>Clause 40.0 - Settlement of disputes</p> <p>F:..... V:..... T:.....</p>	Item
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	<u>Contract agreement</u>		
42	Clause 41.0 - Post tender provisions	Item	
43	Clause 42.0 - Contractual agreement	Item	
	1.0 CONTRACT DATA EMPLOYER - CONTRACTOR		
	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.		
	1.0 CONTRACTING AND OTHER PARTIES		
	1.1 Employer : Development Bank of South Africa (DBSA)		
	Address : 1258 Lever Rd, Headway Hill, Midrand 1685		
	Telephone : 011 313 3500		
	1.2 Principal Agent: Address: ,		
	Telephone :		
	E-mail :		
	1.3 Agent's Service: Agent (2) : Address :		
	Telephone :		
	E-mail :		
	1.4 Agent's Service: Agent (3) : Address :		
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Telephone :

E-mail :

1.5 Agent's Service: Civil & Structural Engineers

Agent (4):

Address :

,

1.6 Agent's Service: Electrical Engineers

Agent (5):

Address :

,

Road, Midrand,

1.9 Interest of principal agent or other agents in the
project: No**Carried Forward**

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	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:Bingoma Primary School in Richard Bay area Coordinates: 28° 45' 6.588" S 31° 46' 49.800" E	
2.4	Possession of the site is intended to be given on: 01st March 2023	
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	
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3.0 INSURANCES AND SECURITIES**3.1** Contract works insurance to be effected by:**CONTRACTOR**For the sum of: **Contract value +10%**With a deductible of: **R nil****3.2** Supplementary/Special insurance required: **No****3.3** Public liability insurance to be effected by:**CONTRACTOR**For the amount of: **R 10,000,000.00**With a deductible of: **R. Nil****3.4** Support insurance required: **No****3.5** Special insurance required: **No****4.0 PRACTICAL COMPLETION DATES AND PENALTIES****4.1** For the works as a whole:

The date for practical completion:

Penalty per calendar day: **0.04% of the Contract Value**

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5.0 DOCUMENTS AND GENERAL**5.1** Construction document copies to be supplied to theContractor 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

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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.

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5.5 The Tender will remain in full legal force for thirty **(90) calendar days**. The Tenderer accepts liability for damages as may be suffered by the employer should the tender validity period not be honoured.

5.6 This tender takes into account all listed items [4.0] for the purpose of preparing and submitting this tender.

5.7 The successful tenderer will be appointed in terms of the JBCC Principal Building Agreement.

SECTION B - PRELIMINARIES**Definitions and interpretation**

44 Clause 1.0 - Definitions and interpretation

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Documents

45 Clause 2.1 - Checking of documents

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

Item

46 Clause 2.2 - Provisional bills of quantities

These bills of quantities are provisionally measured and the subsequent trades are budgetary allowances

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

Item

47 Clause 2.3 - Availability of construction documentation - Yes

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Previous work and adjoining properties

48 Clause 3.1 - Previous work - dimensional accuracy

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

Item

49 Clause 3.2 - Previous work - defects

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50	Clause 3.3 - Inspection of adjoining properties F:..... V:..... T:.....	Item	
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	
<u>Management of contract (B4)</u>			
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	
<u>Samples, shop drawings and manufacturer's instructions</u>			
59	Clause 4.1 - Samples of materials F:..... V:..... T:.....	Item	
60	Clause 4.2 - Workmanship samples F:..... V:..... T:.....	Item	
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61	Clause 4.3 - Shop drawings F:..... V:..... T:.....	Item
62	Clause 4.4 - Compliance with manufacturer's instructions F:..... V:..... T:.....	Item
<u>Deposits and fees</u>		
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
<u>Temporary services</u>		
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

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72	Clause 6.4 - Ablution facilities F:..... V:..... T:.....	Item
	<u>Prime cost amounts</u>	
73	Clause 7.1 - Responsibility for prime cost amounts F:..... V:..... T:.....	Item
	<u>Attendance on N/S Subcontractors (B9)</u>	
74	General attendance (B9.1)	Item
	<u>Special attendance on n/s subcontractors</u>	
75	Clause 8.1 - Special attendance F:..... V:..... T:.....	Item
	<u>Financial aspects (B10)</u>	
	Statutory taxes, duties and levies (B10.1) F:..... V:..... T:.....	Item
76	Payment of preliminaries (B10.2) Option [A] / [B] shall apply	Item
77	Adjustment of preliminaries (B10.3) F:..... V:..... T:.....	Item
78	Payment certificate cash flow (B10.4) F:..... V:..... T:.....	Item
	<u>General</u>	
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
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81	Clause 9.3 - Security of the works F:..... V:..... T:.....	Item
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

Schedule of variables

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

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10.1 - Provisional bills of quantities [clause 2.2]
The quantities are provisional
Yes

10.2 - Availability of construction documentation [clause 2.3]
Construction documentation is complete
Yes

10.3 - Previous work - dimensional accuracy [clause 3.1]
N/A

10.4 Interest of agents (B2.4)
NO

10.5 Defined works area (B3.1)

- 1. Maintenance, repairs and renovation of all building blocks**
- 2. Stormwater drainage**
- 3. Boundary Security fencing and gates.**

10.6 Geotechnical investigation (B3.2)
N/A

10.7 Existing premises occupied (B3.4)
Yes

10.8 Previous work - dimensional accuracy (B3.4)
N/A

10.9 Previous work - defects [clause 3.2]
N/A

10.10 Services - known (B3.7)
NO - Tenderer must allow for investigation of the correct location where needed.

10.11 Protection of trees (B3.9)
YES

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10.12	Inspection of adjoining properties [clause 3.3]	
	YES	
10.13	Enclosure of the works (B6.2)	
	YES	
10.14	Offices (B6.4.3)	
	YES	
10.15	Main notice board (B6.5)	
	YES, as per the Architect Design	
10.16	Subcontractors notice board (B6.6)	
	A notice board is not required	
	No	
10.17	- Water [clause 7.2]	
	Option A (by Contractor)	YES
10.18	- Electricity [clause 7.3]	
	Option A (by Contractor)	YES
10.19	- Telecommunications [clause 7.4]	
	Telkom/Cell (by Contractor)	YES
10.20	- Ablution facilities [clause 7.5]	
	Option A (by Contractor)	YES
10.21	- Protection of the works [clause 9.1]	
10.22	-Protection/isolation of existing/sectionally occupied works [clause 9.2]	
	Protection/isolation is required	
10.23	- Disturbance [clause 9.5]	
10.24	- Environmental disturbance [clause 9.6]	
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Post tender information (B12.2)

- 10.25 Payment of preliminaries
Alternative selected: A and or B
- 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

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93 Co-operation of contractor for cost management		
<p>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</p> <p>F:.....V:.....T:.....</p>		Item
94 Propping of floors below		
<p>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</p> <p>F:..... V:..... T:.....</p>		Item
95 Agreement: Code of conduct for Contractors		
<p>The Contractor must comply with the agreement: Code of Conduct for Contractors, as per Client requirements</p> <p>F:..... V:..... T:.....</p>		Item
96 Rules and Regulations		
<p>The Contractor must comply with the Rules and Regulations (as per Client's requirements)</p> <p>F:..... V:..... T:.....</p>		Item
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97 **LOCAL LABOUR**

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.

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98 **COMMUNITY LIAISON OFFICER**

Allow for the sum of (R10.000.00 per month) for community Liaison Officer

Item

99 **LABOUR RECORD**

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.

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100	<p><u>C13 HIV/AIDS Awareness</u></p> <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>	Item
101	<p>C13.1 Awareness Champion</p> <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	<p>C13.3 Posters, Booklets, Videos, etc.</p> <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	<p>C13.4 Access to condoms</p> <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
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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 C14 Occupational Health and Safety Act No. 85 of 1993

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

SUMMARY OF CATEGORIES

Category : Fixed R.....

Category : Value R.....

Category : Time R.....

Carried to Final Summary

Section No. 1
Bill No. 1
Preliminaries

Item No	Quantity	Rate	Amount
<u>SECTION NO.2</u>			
<u>BLOCK A - GUARD HOUSE</u>			
<u>BILL NO.1</u>			
<u>ALTERATIONS AND DEMOLITIONS</u>			
<u>PREAMBLES</u>			
<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> <p>—</p>			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>Damage and Repairs to Services</u>			
<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>			
<u>Disposal of Materials</u>			
<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>			
Carried Forward		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

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

4

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

4

Taking out and removing sundry joinery work

- 4 Timber skirtings from brickwork

m

8

Carried Forward

Section No. 2

Bill No. 1

Alterations and Demolitions

Brought Forward			
<u>Taking out and removing doors, ironmongery</u>			
5	Timber single door including ironmongery	No	1
6	Take out steel door frame and prepare to fix new	No	1
<u>Removal of timber roof structure composed of purlins, trusses wall plates, etc. complete and prepare to receive new roof structure</u>			
7	Roof structure overall size 2254mm long x 1884mm wide x 1750mm high	No	1
<u>PREPARATORY WORK TO EXISTING SURFACES</u>			
<u>'Sika repair system' or similar approved</u>			
8	Repair concrete surface with SIKA monotop 615 on SIKA monotop primer, then seal with SIKAFLEX, as per manufacturer's specification	m2	4
<u>MAKING GOOD OF FINISHES, ETC.</u>			
<u>Making good</u>			
9	Make good affected 100mm thick surface beds and screed to floors (<i>Guard House</i>)	m2	4
 Carried Forward to Summary of Section No. 2			
Section No. 2			
Bill No. 1			
Alterations and Demolitions			

Item No	Quantity	Rate	Amount
<p><u>SECTION NO.2</u></p> <p><u>BLOCK A - GUARD HOUSE</u></p> <p><u>BILL NO.2</u></p> <p><u>CONCRETE, FORMWORK AND REINFORCEMENT</u></p> <p><u>PREAMBLES</u></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>—</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Cost of tests</u></p> <p>The cost of making, storing and testing of concrete test cubes as required under clause 7 'Test' of SABS1200G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the Architect. The testing shall be undertaken by an independent firm or institution nominated by the Contractor to the approval of the Architect. (Test cubes are measured separately).</p> <p><u>Formwork:</u></p> <p>Descriptions of formwork shall be deemed to include use and waste only (except where described as left in or permanent), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use.</p> <p><u>CONCRETE</u></p> <p><u>(CPAP WORK GROUP NO. 110) unless otherwise stated</u></p>			
<p>Section No. 2</p> <p>Bill No. 2</p> <p>Concrete, Formwork and Reinforcement</p>			
Carried Forward		R	

Brought Forward			R
<u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>			
<u>25 Mpa /19mm concrete</u>			
1	Apron	m3	1
<u>TEST BLOCKS</u>			
2	Making and testing 150 x 150 x 150mm concrete strength test cube (<i>Provisional</i>)	No	1
<u>CONCRETE SUNDRIES</u>			
<u>Finishing top surface of concrete smooth with a power float</u>			
3	Surface beds,slabs, etc. (<i>Provisional</i>)	m2	10
<u>FORMWORK</u>			
<u>(CPAP WORK GROUP NO. 111) unless otherwise stated</u>			
<u>ROUGH FORMWORK (DEGREE OF ACCURACY II)</u>			
4	Aprons	m2	1
Carried Forward to Summary of Section No. 2			
Section No. 2			
Bill No. 2			
Concrete, Formwork and Reinforcement			

Item No		Quantity	Rate	Amount
	<u>SECTION NO.2</u>			
	<u>BLOCK A - GUARD HOUSE</u>			
	<u>BILL NO.3</u>			
	<u>ROOF COVERINGS, ETC.</u>			
	<u>PREAMBLES</u>			
	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.			
	—			
	<u>(CPAP WORK GROUP NO. 124) unless otherwise stated</u>			
	<u>PROFILED METAL SHEETING AND ACCESSORIES</u>			
	<u>Chromadek (10.5) corrugated 0,8mm thick ISOQ230 Dove Grey pre-painted with chromadek finish to one side and with protective primer coating on reverse side, interlocking galvanised steel roof sheeting with Z275 spelter sheeting to both sides fixed to timber purlins (elsewhere) with clips screw, all in accordance with manufacturer's recommendations and specifications</u>			
1	Roof covering with pitches not exceeding 25 degrees with side laps seam stitched	m2	6	
2	Ridge cappings 450mm girth	m	2	
3	Standard narrow and broad flute closers	m	4	
4	Moulded narrow and broad rib polyethylene filler blocks	m	4	
	<u>ROOF AND WALL INSULATION</u>			
	Carried Forward			
	Section No. 2 Bill No. 3 Roof Coverings			

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. 2

Section No. 2
Bill No. 3
Roof Coverings

R

Item No	Quantity	Rate	Amount
<u>SECTION NO.2</u>			
<u>BLOCK A - GUARD HOUSE</u>			
<u>BILL NO.4</u>			
<u>CARPENTRY AND JOINERY</u>			
<u>PREAMBLES</u>			
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.			
—			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>Fixing:</u>			
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			
<u>(CPAP WORK GROUP NO. 126) unless otherwise stated</u>			
<u>ROOFS ETC</u>			
<u>PLATE NAILED TIMBER ROOF TRUSS CONSTRUCTION, ETC.</u>			
Carried Forward		R	
Section No. 2 Bill No. 4 Carpentry and Joinery			

Brought Forward

R

SUPPLEMENTARY PREAMBLES

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 branderling 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.

Sawn treated softwood grade V4

1	Roof construction to double pitched roof 2554mm long x 2554mm 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	9
3	50 x 76mm Purlins	m	20
4	Extra over for 300mm long wrought end to purlins	No	16
5	76 x 76mm Splayed purlins	m	6

Carried Forward

Section No. 2
Bill No. 4
Carpentry and Joinery

R

Brought Forward

- | | | | Item |
|---|--|--|------|
| 6 | Supply Performance certificate to certify that the roof has been constructed and erected in accordance with approved design (TR1 and TR2 Certificates) | | |

Sundries

- | | | | |
|---|---|----|----|
| 7 | Two coats "ABE provonite" paint on exposed roof timbers and wall plates | m2 | 16 |
| 8 | "Teco" two way hurricane clips | No | 20 |

DOORS. ETC

Refer to Architectural door schedule.

"Saligna Blaco"

- | | | | |
|---|--|----|---|
| 9 | 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 (D1) | No | 1 |
|---|--|----|---|

SKIRTINGS**Wrought meranti**

- | | | | |
|----|---|---|---|
| 10 | 19 x 76mm Skirtings with 19mm quadrant bead, plugged. | m | 8 |
|----|---|---|---|

Purpose made:

- | | | | |
|----|---|----|---|
| 11 | Worktop with drawer and lockable cupboard as per Architectural drawing complete | No | 1 |
|----|---|----|---|

Carried Forward to Summary of Section No. 2

Section No. 2
 Bill No. 4
 Carpentry and Joinery

Brought Forward			R
<u>6.5mm Gypsum plasterboard with H-profile metal steel jointing strips</u>			
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	4
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
<u>"Rhino" gypsum plasterboard cornices</u>			
3	75mm Coved cornices	m	8
<u>"Isotherm" insulation</u>			
4	50mm Insulation closely fitted and laid on top of brandering between roof timbers, etc	m2	4
Carried Forward to Summary of Section No. 2			
Section No. 2			
Bill No. 5			
Ceilings, Partitioning and Access Flooring			

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO.2</u></p> <p><u>BLOCK A - GUARD HOUSE</u></p> <p><u>BILL NO.6</u></p> <p><u>FLOOR COVERINGS. PLASTIC LININGS. ETC.</u></p> <p><u>PREAMBLES</u></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>			
	<p>—</p> <p><u>SUPPLEMENTARY PREAMBLES</u></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><u>(CPAP WORK GROUP NO. 130) unless otherwise stated</u></p> <p><u>FLOOR COVERINGS</u></p> <p><u>VINYL FLOOR COVERINGS</u></p> <p><u>2mm thick x 1200mm wide Superflex fully flexible vinyl floor tiles</u></p>			
1	On floors	m2	4	
	<p><u>POLISH. SEALERS. ETC</u></p>			
2	Three coats waterbased sealer on vinyl flooring.	m2	4	
	<p>Carried Forward to Summary of Section No. 2</p>			
	<p>Section No. 2</p> <p>Bill No. 6</p> <p>Floor Coverings</p>			

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BLOCK A - GUARD HOUSE</u>			
	<u>BILL NO.7</u>			
	<u>IRONMONGERY</u>			
	<u>PREAMBLES</u>			
	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.			
	—			
	<u>(CPAP WORK GROUP NO. 132) unless otherwise stated</u>			
	<u>LOCKS</u>			
	<u>"Dorma" or similar approved</u>			
1	"Ref 390/313" four-lever mortice lockset	No	1	
	<u>SUNDRIES</u>			
2	38mm Diameter rubber door stop plugged	No	1	
	<u>KEY TAGS</u>			
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	
	Carried Forward to Summary of Section No. 2			
	Section No. 2			
	Bill No. 7			
	Ironmongery			

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO. 2</u></p> <p><u>BLOCK A - GUARD HOUSE</u></p> <p><u>BILL NO.8</u></p> <p><u>METALWORK</u></p> <p><u>PREAMBLES</u></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>—</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Descriptions of bolts, anchors, etc</u></p> <p>Descriptions of bolts shall be deemed to include nuts and washers</p> <p>Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete</p> <p>Items described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described</p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres</p> <p><u>(CPAP WORK GROUP NO. 136) unless otherwise stated</u></p> <p><u>GALVANISED PRESSED STEEL DOOR FRAMES</u></p> <p><u>1,2mm Thick double rebated door frames with 1 pair steel butt hinges, chromium plated striking plate and rubber buffers suitable for half brick walls</u></p>			
1	Frame for door 900 x 2032mm high	No	1	
	<p>Carried Forward to Summary of Section No. 2</p> <p>Section No. 2</p> <p>Bill No. 8</p> <p>Metalwork</p>			

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO. 2</u></p> <p><u>BLOCK A - GUARD HOUSE</u></p> <p><u>BILL NO.9</u></p> <p><u>GLAZING</u></p> <p><u>PREAMBLES</u></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>—</p> <p><u>(CPAP WORK GROUP NO. 150) unless otherwise stated</u></p> <p><u>GLAZING TO STEEL WITH PUTTY</u></p> <p><u>6mm Clear float glass</u></p>			
1	<p>Panes exceeding 0,1m2 and not exceeding 0,5m2</p>	m2	7	
	<p>Carried Forward to Summary of Section No. 2</p>			
	<p>Section No. 2</p> <p>Bill No. 9</p> <p>Glazing</p>			

Item No	Quantity	Rate	Amount
<u>SECTION NO.2</u>			
<u>BLOCK A - GUARD HOUSE</u>			
<u>BILL NO.10</u>			
<u>PAINTWORK</u>			
<u>PREAMBLES</u>			
<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> <p>—</p>			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>PAINT SPECIFICATIONS</u>			
<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>			
Carried Forward		R	
<p>Section No. 2 Bill No. 10 Paintwork</p>			

Brought Forward

R

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	22
2	External walls	m2	22

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	4
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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	1
5	On gates	m2	3

ON WOOD

Carried Forward

Section No. 2
Bill No. 10
Paintwork

[illegible]

Item No	Quantity	Rate	Amount
<u>SECTION NO.3</u>			
<u>BLOCK B, C AND D - ABLUTION BLOCKS</u>			
<u>BILL NO.1</u>			
<u>ALTERATIONS AND DEMOLITIONS</u>			
<u>PREAMBLES</u>			
<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> <p>—</p>			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>Damage and Repairs to Services</u>			
<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>			
<u>Disposal of Materials</u>			
<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>			
Carried Forward		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

R

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 out and removing doors, ironmongery**

- 2 Timber single door including ironmongery

No

26

Take out and remove wall tiles

- 3 Existing wall tiles

m2

16

BUDGETARY ALLOWANCE

- 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

Carried Forward to Summary of Section No. 3

Section No. 3

Bill No. 1

Alterations and Demolitions

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO.3</u></p> <p><u>BLOCK B, C AND D - ABLUTION BLOCKS</u></p> <p><u>BILL NO.2</u></p> <p><u>ROOF COVERINGS, ETC.</u></p> <p><u>PREAMBLES</u></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>—</p> <p><u>(CPAP WORK GROUP NO. 124) unless otherwise stated</u></p> <p><u>SERVICE, REPAIRS, ETC. TO EXISTING WORKS</u></p> <p><u>Service, repair and make good existing roof coverings</u></p>			
1	<p>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 iBlocks B, C and D)</i></p>	m2	102	
	<p>Carried Forward to Summary of Section No. 3</p>			
	<p>Section No. 3</p> <p>Bill No. 2</p> <p>Roof Coverings</p>			

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO.3</u></p> <p><u>BLOCK B, C AND D - ABLUTION BLOCKS</u></p> <p><u>BILL NO.3</u></p> <p><u>CARPENTRY AND JOINERY</u></p> <p><u>PREAMBLES</u></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>			
	<p>—</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Fixing:</u></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><u>ROOF STRUCTURE</u></p>			
1	Allow for roof structure repairs for damaged and rotten roof timber members for roof overall size 1900 x 9760mm long (<i>Block D</i>)	Item		
2	Allow for roof structure repairs for damaged and rotten roof timber members for roof overall size 1940 x 6059mm long (<i>Block C</i>)	Item		
	Carried Forward			
	<p>Section No. 3</p> <p>Bill No. 3</p> <p>Carpentry and Joinery</p>			

Brought Forward			R
3	<p>Allow for roof structure repairs for damaged and rotten roof timber members for roof overall size 13820 x 5150mm long (<i>Block B</i>)</p> <p><u>(CPAP WORK GROUP NO. 126) unless otherwise stated</u></p> <p><u>DOORS. ETC.</u></p> <p>Refer to Architectural door schedule.</p> <p><u>Semi-solid flush core timber door with masonite veneer hung to 1.2mm galvanised steel door frames (elsewhere)</u></p>	Item	
4	<p>44mm x 730 x 2032mm high single door with 100mm undercut</p> <p><u>SOLID DOORS</u></p> <p><u>"Saligna Blaco"</u></p>	No	24
5	<p>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</p>	No	2
Carried Forward to Summary of Section No. 3			
Section No. 3			
Bill No. 3			
Carpentry and Joinery			

Item No		Quantity	Rate	Amount
	<u>SECTION NO.3</u>			
	<u>BLOCK B. C AND D - ABLUTION BLOCKS</u>			
	<u>BILL NO.4</u>			
	<u>PLUMBING AND DRAINAGE</u>			
	<u>PREAMBLES</u>			
	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.			
	—			
	<u>PLUMBING AND DRAINAGE (PROVISIONAL)</u>			
	<u>RAINWATER DISPOSAL</u>			
	<u>0.6mm Chromadek seamless gutters and rainwater pipes</u>			
1	155 x 100 x 115mm aluminium ogee roof gutters with baked enamel finish fixed with concealed brackets	m	40	
2	Extra over gutter for stopped end	No	6	
3	75 x 100mm Diameter rainwater pipes	m	16	
4	Extra over gutter for outlet for 100 x 75mm pipe	No	6	
5	Extra over 100mm rainwater pipe for eaves or plinth offset 650mm projection.	No	6	
	<u>BUDGETARY ALLOWANCE</u>			
	<u>The following budgetary allowance for plumbing work, if required, to be executed by the contractor:</u>			
6	Provide the amount of R 60, 000.00 (Sixty 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		
	Carried Forward to Summary of Section No. 3			
	Section No. 3			
	Bill No. 4			
	Plumbing and Drainage			

Item No	Quantity	Rate	Amount
<u>SECTION NO.3</u>			
<u>BLOCK B, C AND D - ABLUTION BLOCKS</u>			
<u>BILL NO.5</u>			
<u>TILING</u>			
<u>PREAMBLES</u>			
<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> <p>—</p>			
<u>SUPPLEMENTARY PREAMBLES</u>			
<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/m², 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>			
Carried Forward			R
<p>Section No. 3 Bill No. 5 Tiling</p>			

Brought Forward

R

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.

CERAMIC WALL TILING

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:

1	On Walls (<i>around Urinal</i>)	m2	16
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FLOOR TILING

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

2	On floors and landings	m2	102
3	Extra over tiles to floors for work done in patterns	m2	20
4	100mm High cut tile	m	38

Carried Forward to Summary of Section No. 3

Section No. 3
Bill No. 5
Tiling

Item No	Quantity	Rate	Amount
<u>SECTION NO.3</u>			
<u>BLOCK B, C AND D - ABLUTION BLOCKS</u>			
<u>BILL NO.6</u>			
<u>PAINTWORK</u>			
<u>PREAMBLES</u>			
<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> <p>—</p>			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>PAINT SPECIFICATIONS</u>			
<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>			
Carried Forward			R
<p>Section No. 3 Bill No. 6 Paintwork</p>			

Brought Forward

R

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	271
2	External walls	m2	200

ON WOOD

Stop, sand down and prepare wood surfaces and apply one coat wood primer, one undercoat and two coats high gloss enamel paint:

3	On doors	m2	86
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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	9
5	On window frames	m2	19

ON FIBRE-CEMENT

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

6	Fascias and barge boards	m	24
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Carried Forward to Summary of Section No. 3

Section No. 3
Bill No. 6
Paintwork

Bill No	SECTION SUMMARY - BLOCK B , C AND D - ABLUTION BLOCKS	Page No	Amount
1	Alterations and Demolitions	48	
2	Roof Coverings	49	
3	Carpentry and Joinery	51	
4	Plumbing and Drainage	52	
5	Tiling	54	
6	Paintwork	56	
Carried to Final Summary			
Section No. 3			

Item No	Quantity	Rate	Amount
<u>SECTION NO.4</u>			
<u>BLOCK E - 4 CLASSROOM BLOCK. ADMIN OFFICE AND STUFF OFFICE</u>			
<u>BILL NO.1</u>			
<u>ALTERATIONS AND DEMOLITIONS</u>			
<u>PREAMBLES</u>			
<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> <p>—</p>			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>Damage and Repairs to Services</u>			
<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>			
<u>Disposal of Materials</u>			
<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>			
Carried Forward			R
<p>Section No. 4 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. 4
Bill No. 1
Alterations and Demolitions

Brought Forward

R

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 brandering, etc

m2

345

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

345

DEMOLITIONS

- 4 Allow for demolishing the existing strong room and take out carefully, the door, store for later use.

Item

Carried Forward

Section No. 4

Bill No. 1

Alterations and Demolitions

Brought Forward

CRACKS REPAIRS

- 5 Allow for the amount of R30,000.00 (Thirty thousand Rand) for the repairs of cracks in accordance to Structural Engineers Instruction.

Item

Remove existing chalkboard

- 6 Chalkboard

No

4

PREPARATORY WORK TO EXISTING SURFACES**'Sika repair system' or similar approved**

- 7 Repair concrete surface with SIKA monotop 615 on SIKA monotop primer, then seal with SIKAFLEX, as per manufacture's specification

m2

345

MAKING GOOD OF FINISHES, ETC.**Making good**

- 8 Make good screed to floors to receive new floor coverings (elsewhere)

m2

345

Carried Forward to Summary of Section No. 4

Section No. 4

Bill No. 1

Alterations and Demolitions

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO.4</u></p> <p><u>BLOCK E - 4 CLASSROOM BLOCK. ADMIN OFFICE AND STUFF OFFICE</u></p> <p><u>BILL NO.2</u></p> <p><u>ROOF COVERINGS. ETC.</u></p> <p><u>PREAMBLES</u></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>—</p> <p><u>(CPAP WORK GROUP NO. 124) unless otherwise stated</u></p> <p><u>SERVICE. REPAIRS. ETC. TO EXISTING WORKS</u></p> <p><u>Service, repair and make good existing roof coverings</u></p>			
1	<p>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 iBlocks B, C and D)</i></p>	m2	345	
	<p>Carried Forward to Summary of Section No. 4</p>			
	<p>Section No. 4</p> <p>Bill No. 2</p> <p>Roof Coverings</p>			

Item No	Quantity	Rate	Amount
<u>SECTION NO.4</u>			
<u>BLOCK E - 4 CLASSROOM BLOCK. ADMIN OFFICE AND STUFF OFFICE</u>			
<u>BILL NO.3</u>			
<u>CARPENTRY AND JOINERY</u>			
<u>PREAMBLES</u>			
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.			
—			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>Fixing:</u>			
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			
<u>EAVES. VERGES. ETC</u>			
Carried Forward		R	
Section No. 4 Bill No. 3 Carpentry and Joinery			

Brought Forward			R
<u>"Everite Nutech" Medium density fibre-cement fascia board with H-profile plastic fascia jointers</u>			
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	93
<u>"Everite Nutech" Fibre-cement socketless barge boards</u>			
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	18
<u>(CPAP WORK GROUP NO. 126) unless otherwise stated</u>			
<u>DOORS. ETC.</u>			
Refer to Architectural door schedule.			
<u>"Saligna Blaco"</u>			
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 (D1)	No	6
<u>SKIRTINGS</u>			
<u>Wrought meranti</u>			
4	19 x 76mm Skirtings with 19mm quadrant bead, plugged	m	220
Carried Forward to Summary of Section No. 4			
Section No. 4			
Bill No. 3			
Carpentry and Joinery			

Brought Forward			R
<u>6.5mm Gypsum plasterboard with H-profile metal steel jointing strips</u>			
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	345
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	5
<u>"Rhino" gypsum plasterboard cornices</u>			
3	75mm Coved cornices	m	220
<u>"Isotherm" insulation</u>			
4	50mm Insulation closely fitted and laid on top of brandering between roof timbers, etc	m2	345
Carried Forward to Summary of Section No. 4			
Section No. 4			
Bill No. 4			
Ceilings, Partitions and Access Flooring			

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO.4</u></p> <p><u>BLOCK E - 4 CLASSROOM BLOCK, ADMIN OFFICE AND STUFF OFFICE</u></p> <p><u>BILL NO.5</u></p> <p><u>FLOOR COVERINGS. PLASTIC LININGS. ETC.</u></p> <p><u>PREAMBLES</u></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>—</p> <p><u>SUPPLEMENTARY PREAMBLES</u></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><u>(CPAP WORK GROUP NO. 130) unless otherwise stated</u></p> <p><u>FLOOR COVERINGS</u></p> <p><u>VINYL FLOOR COVERINGS</u></p> <p><u>2mm thick x 1200mm wide Superflex fully flexible vinyl floor tiles</u></p>			
1	On floors	m2	345	
	<p><u>POLISH. SEALERS. ETC</u></p>			
2	Three coats waterbased sealer on vinyl flooring.	m2	345	
	<p>Carried Forward to Summary of Section No. 4</p>			
	Section No. 4 Bill No. 5 Floor Coverings			

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO.4</u></p> <p><u>BLOCK E - 4 CLASSROOM BLOCK. ADMIN OFFICE AND STUFF OFFICE</u></p> <p><u>BILL NO.6</u></p> <p><u>IRONMONGERY</u></p> <p><u>PREAMBLES</u></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>			
	<p>—</p> <p><u>(CPAP WORK GROUP NO. 132) unless otherwise stated</u></p> <p><u>LOCKS</u></p> <p><u>"Dorma" or similar approved</u></p>			
1	"Ref 390/313" four-lever mortice lockset	No	6	
	<p><u>SUNDRIES</u></p>			
2	38mm Diameter rubber door stop plugged	No	6	
	<p><u>KEY TAGS</u></p>			
3	28mm Diameter x 1mm thick brass key tags with one numeral and one letter engraved	No	6	
4	Approved standard stainless steel key rings	No	6	
	<p><u>WRITING BOARDS. ETC</u></p> <p><u>"Parrot" or equal approved</u></p>			
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	6	
	Carried Forward			
	<p>Section No. 4</p> <p>Bill No. 6</p> <p>Ironmonery</p>			

Brought Forward

R

PINNING BOARD

EP09 Floortime domestic pinning boards fixed to brickwall strictly in accordance to manufacturer's instructions

6 2400 x 1200mm high pinning board fixed 900mm above finished floor level

No

6

CHALKBOARDS

Green chalkboard to comply with CKS-38-1980 complete with chalk rail fixed in accordance with the manufacturers specifications

7 4800 x 1140mm high Chalkboard

No

4

Carried Forward to Summary of Section No. 4

Section No. 4
Bill No. 6
Ironmonery

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO.4</u></p> <p><u>BLOCK E - 4 CLASSROOM BLOCK. ADMIN OFFICE AND STUFF OFFICE</u></p> <p><u>BILL NO.7</u></p> <p><u>METALWORK</u></p> <p><u>PREAMBLES</u></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> <p>—</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Descriptions of bolts, anchors, etc</u></p> <p>Descriptions of bolts shall be deemed to include nuts and washers</p> <p>Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete</p> <p>Items described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described</p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres</p> <p><u>(CPAP WORK GROUP NO. 136) unless otherwise stated</u></p> <p><u>STRONG ROOM DOOR</u></p>			
1	Take from store and install in position steel strong room door (Labour Only)	Item		
	Carried Forward to Summary of Section No. 4			
	Section No. 4			
	Bill No. 7			
	Metalwork			

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO.4</u></p> <p><u>BLOCK E - 4 CLASSROOM BLOCK, ADMIN OFFICE AND STUFF OFFICE</u></p> <p><u>BILL NO.9</u></p> <p><u>GLAZING</u></p> <p><u>PREAMBLES</u></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>—</p> <p><u>(CPAP WORK GROUP NO. 150) unless otherwise stated</u></p> <p><u>GLAZING TO STEEL WITH PUTTY</u></p> <p><u>6mm Clear float glass</u></p>			
1	<p>Panes exceeding 0,1m2 and not exceeding 0,5m2</p>	m2	65	
	<p>Carried Forward to Summary of Section No. 4</p>			
	<p>Section No. 4</p> <p>Bill No. 9</p> <p>Glazing</p>			

Item No		Quantity	Rate	Amount
	<u>SECTION NO.4</u>			
	<u>BLOCK E - 4 CLASSROOM BLOCK. ADMIN OFFICE AND STUFF OFFICE</u>			
	<u>BILL NO.10</u>			
	<u>PLUMBING AND DRAINAGE</u>			
	<u>PREAMBLES</u>			
	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.			
	—			
	<u>PLUMBING AND DRAINAGE (PROVISIONAL)</u>			
	<u>RAINWATER DISPOSAL</u>			
	<u>0.6mm Chromadek seamless gutters and rainwater pipes</u>			
1	155 x 100 x 115mm aluminium ogee roof gutters with baked enamel finish fixed with concealed brackets	m	93	
2	Extra over gutter for stopped end	No	4	
3	75 x 100mm Diameter rainwater pipes	m	21	
4	Extra over gutter for outlet for 100 x 75mm pipe	No	8	
5	Extra over 100mm rainwater pipe for eaves or plinth offset 650mm projection.	No	8	
	<u>FIRE APPLAINCES. ETC</u>			
	<u>"Chubb" or other equal and approved fire appliances all to SABS 543 requirements</u>			
6	4.5kg Dry chemical powder portable fire extinguisher	No	3	
7	190 x 190mm ABS plastic symbolic safety sign type FB2 plugged and screwed to wall.	No	3	
	Carried Forward			
	Section No. 4 Bill No. 10 Plumbing and Drainga			

Brought Forward

RAINWATER TANK**Plastic "JOJO" Rainwater Tank**

- 8 Water plastic storage tank with the capacity of 2500 litres complete with access lid with inlet hole placed in position on concrete slab and anchored with and including four 7mm diameter galvanised steel chain anchors fitted into garden hose protective sleeves including cobra standard brass hose bibtap.

No

1

Carried Forward to Summary of Section No. 4

Section No. 4
 Bill No. 10
 Plumbing and Drainga

Item No	Quantity	Rate	Amount
<u>SECTION NO.4</u>			
<u>BLOCK E - 4 CLASSROOM BLOCK. ADMIN OFFICE AND STUFF OFFICE</u>			
<u>BILL NO.11</u>			
<u>PAINTWORK</u>			
<u>PREAMBLES</u>			
<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> <p>—</p>			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>PAINT SPECIFICATIONS</u>			
<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>			
Carried Forward			R
<p>Section No. 4 Bill No. 11 Paintork</p>			

Brought Forward

R

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	480
2	External walls	m2	284

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	345
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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	18
5	On gates	m2	20

ON WOOD

Carried Forward

Section No. 4
Bill No. 11
Paintwork

Brought Forward

Stop, sand down and prepare wood surfaces and apply one coat wood primer, one undercoat and two coats high gloss enamel paint:

6	On doors	m2	20
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ON FIBRE-CEMENT

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

7	Fascias and barge boards.	m	107
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Carried Forward to Summary of Section No. 4

Section No. 4
Bill No. 11
Paintork

SECTION SUMMARY - BLOCK E - 4 CLASSROOM BLOCK, ADMINISTRATION OFFICE AND

Bill No		Page No	Amount
1	Alterations and Demolitions	61	
2	Roof Coverings	62	
3	Carpentry and Joinery	64	
4	Ceilings, Partitions and Access Flooring	66	
5	Floor Coverings	67	
6	Ironmongery	69	
7	Metalwork	70	
8	Plastering	71	
9	Glazing	72	
10	Plumbing and Drainage	74	
11	Paintwork	77	
Carried to Final Summary			
Section No. 4			

Item No	Quantity	Rate	Amount
<u>SECTION NO.5</u>			
<u>BLOCK F - SNP KITCHEN</u>			
<u>BILL NO.1</u>			
<u>ALTERATIONS AND DEMOLITIONS</u>			
<u>PREAMBLES</u>			
<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> <p>—</p>			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>Damage and Repairs to Services</u>			
<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>			
<u>Disposal of Materials</u>			
<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>			
Carried Forward		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

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**Remove the gypsum board ceilings, cornices, including timber battens complete**

- 2 Ceilings m2 92

Taking out and removing piping, sanitary fittings, etc including disconnecting piping from fittings and making good floor and wall finishes (making good tiling and paintwork elsewhere)

- 3 Wash Trough No 1

Taking out and removing, burglar proof, doors, ironmongery, windows, etc from existing brickwall

- 4 813 x 2032mm High timber door No 1

Carried Forward to Summary of Section No. 5

Section No. 5

Bill No. 1

Alterations and Demolitions

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO.5</u></p> <p><u>BLOCK F - SNP KITCHEN</u></p> <p><u>BILL NO.2</u></p> <p><u>ROOF COVERINGS. ETC.</u></p> <p><u>PREAMBLES</u></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>—</p> <p><u>(CPAP WORK GROUP NO. 124) unless otherwise stated</u></p> <p><u>SERVICE. REPAIRS. ETC. TO EXISTING WORKS</u></p> <p><u>Service, repair and make good existing roof coverings</u></p>			
1	<p>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)</p>	m2	63	
	<p>Carried Forward to Summary of Section No. 5</p>			
	<p>Section No. 5</p> <p>Bill No. 2</p> <p>Roof Coverings</p>			

Item No	Quantity	Rate	Amount
<u>SECTION NO.5</u>			
<u>BLOCK F - SNP KITCHEN</u>			
<u>BILL NO.3</u>			
<u>CARPENTRY AND JOINERY</u>			
<u>PREAMBLES</u>			
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.			
—			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>Fixing:</u>			
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			
<u>(CPAP WORK GROUP NO. 126) unless otherwise stated</u>			
<u>DOORS. ETC.</u>			
Refer to Architectural door schedule			
Carried Forward		R	
Section No. 5 Bill No. 3 Carpentry and Joinery			

Brought Forward

R

"Saligna Blaco"

- 1 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

Carried Forward to Summary of Section No. 5

Section No. 5
 Bill No. 3
 Carpentry and Joinery

Item No	Quantity	Rate	Amount
<u>SECTION NO.5</u>			
<u>BLOCK F - SNAP KITCHEN</u>			
<u>BILL NO.4</u>			
<u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u>			
<u>PREAMBLES</u>			
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.			
—			
<u>SUPPLEMENTARY PREAMBLES</u>			
<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			
<u>CEILINGS, ETC.</u>			
<u>(CPAP WORK GROUP NO. 129) unless otherwise stated</u>			
<u>NAILED-UP CEILINGS</u>			
Carried Forward			
Section No. 5 Bill No. 4 Ceilings, Partitions and Access Flooring			

Brought Forward			R
<u>6.5mm Gypsum plasterboard with H-profile metal steel jointing strips</u>			
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	92
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
<u>"Rhino" gypsum plasterboard cornices</u>			
3	75mm Coved cornices	m	32
<u>"Isotherm" insulation</u>			
4	50mm Insulation closely fitted and laid on top of brandering between roof timbers, etc	m2	92
 Carried Forward to Summary of Section No. 5			
Section No. 5			
Bill No. 4			
Ceilings, Partitions and Access Flooring			

Item No		Quantity	Rate	Amount
	<u>SECTION NO.5</u>			
	<u>BLOCK F - SNP KITCHEN</u>			
	<u>BILL NO.5</u>			
	<u>IRONMONGERY</u>			
	<u>PREAMBLES</u>			
	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.			
	—			
	<u>(CPAP WORK GROUP NO. 132) unless otherwise stated</u>			
	<u>LOCKS</u>			
	<u>"Dorma" or similar approved</u>			
1	"Ref 390/313" four-lever mortice lockset	No	1	
	<u>SUNDRIES</u>			
2	38mm Diameter rubber door stop plugged	No	1	
	<u>KEY TAGS</u>			
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	
	Carried Forward to Summary of Section No. 5			
	Section No. 5			
	Bill No. 5			
	Ironmongery			

Item No	Quantity	Rate	Amount
<u>SECTION NO.5</u>			
<u>BLOCK F - SNP KITCHEN</u>			
<u>BILL NO.6</u>			
<u>PLUMBING AND DRAINAGE</u>			
<u>PREAMBLES</u>			
<p>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.</p> <p>—</p>			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>Copper pipes:</u>			
<p>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.</p>			
<u>Reducing fittings:</u>			
<p>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.</p>			
<u>Waste unions:</u>			
Carried Forward			
<p>Section No. 5 Bill No. 6 Plumbing and Drainage</p>			
		R	

Brought Forward		R	
<u>uPVC pipes and fittings:</u>			
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.			
<u>SANITARY FITTINGS</u>			
<u>Supply and fix wash trough to match the existing:</u>			
1	Wash trough as per Architect's specifications	No	1
<u>GAS INSTALLATION</u>			
2	Allow for gas installations complete with all necessary accessories		Item
3	Allow for supply and fit steel cylinder cages to accommodate three cylinders		Item
Carried Forward to Summary of Section No. 5		R	
Section No. 5			
Bill No. 6			
Plumbing and Drainage			

Item No	Quantity	Rate	Amount
<u>SECTION NO.5</u>			
<u>BLOCK F - SNP KITCHEN</u>			
<u>BILL NO.7</u>			
<u>TILING</u>			
<u>PREAMBLES</u>			
<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> <p>—</p>			
<u>SUPPLEMENTARY PREAMBLES</u>			
<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/m², 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>			
Carried Forward			
<p>Section No. 5 Bill No. 7 Tiling</p>			

Brought Forward

R

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.

FLOOR TILING

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):

1	On floors and landings	m2	92
2	Extra over tiles to floors for work done in patterns	m2	20
3	100mm High cut tile	m	32

Carried Forward to Summary of Section No. 5

Section No. 5
Bill No. 7
Tilling

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO.5</u></p> <p><u>BLOCK E - SNP KITCHEN</u></p> <p><u>BILL NO.8</u></p> <p><u>GLAZING</u></p> <p><u>PREAMBLES</u></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>—</p> <p><u>(CPAP WORK GROUP NO. 150) unless otherwise stated</u></p> <p><u>GLAZING TO STEEL WITH PUTTY</u></p> <p><u>6mm Clear float glass</u></p>			
1	<p>Panes exceeding 0,1m2 and not exceeding 0,5m2</p>	m2	13	
	<p>Carried Forward to Summary of Section No. 5</p>			
	<p>Section No. 5</p> <p>Bill No. 8</p> <p>Glazing</p>			

Item No	Quantity	Rate	Amount
<u>SECTION NO.5</u>			
<u>BLOCK G - GRADE R BLOCK</u>			
<u>BILL NO.9</u>			
<u>PAINTWORK</u>			
<u>PREAMBLES</u>			
<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> <p>—</p>			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>PAINT SPECIFICATIONS</u>			
<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>			
Carried Forward			R
<p>Section No. 5 Bill No. 9 Paintwork</p>			

Brought Forward

R

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	126
2	External walls	m2	86

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:

3	On door frames	m2	4
4	On Windows	m2	26
5	On gates	m2	7

ON WOOD

Stop, sand down and prepare wood surfaces and apply one coat wood primer, one undercoat and two coats high gloss enamel paint:

6	On doors	m2	10
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ON FIBRE-CEMENT

Carried Forward

Section No. 5
Bill No. 9
Paintwork

Brought Forward

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

7	Fascias and barge boards.	m	15
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Carried Forward to Summary of Section No. 5

Section No. 5
 Bill No. 9
 Paintwork

Bill No	SECTION SUMMARY - BLOCK F - SNP KITCHEN	Page No	Amount
1	Alterations and Demolitions	81	
2	Roof Coverings	82	
3	Carpentry and Joinery	84	
4	Ceilings, Partitions and Access Flooring	86	
5	Ironmongery	87	
6	Plumbing and Drainage	89	
7	Tilling	91	
8	Glazing	92	
9	Paintwork	95	
	Carried to Final Summary		
	Section No. 5		

Item No	Quantity	Rate	Amount
<p><u>SECTION NO.6</u></p> <p><u>BLOCK G - GRADE R BLOCK</u></p> <p><u>BILL NO.1</u></p> <p><u>ALTERATIONS AND DEMOLITIONS</u></p> <p><u>PREAMBLES</u></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> <p>—</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Damage and Repairs to Services</u></p> <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> <p><u>Disposal of Materials</u></p> <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> <p>Carried Forward</p> <p>Section No. 6 Bill No. 1 Alterations and Demolitions</p>			
		R	

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.			
<u>TEMPORARY BARRIERS, SCREENS, ETC.</u>			
<u>Temporary barriers, screens, etc. and including removal</u>			
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	
<u>REMOVAL OF EXISTING WORK</u>			
<u>Taking up and removing wood block floor coverings, vinyl floor coverings, carpets, etc and preparing screeds for new floor coverings</u>			
2	Vinyl tile floor covering	m2	173
<u>Remove the gypsum board ceilings, cornices, including timber battens complete</u>			
3	Ceilings	m2	173
<u>Taking out and removing doors, ironmongery</u>			
4	Timber single door including ironmongery	No	2
<u>Remove existing chalkboard</u>			
5	Chalkboard	No	2
Carried Forward			
Section No. 6 Bill No. 1 Alterations and Demolitions			

Brought Forward

PREPARATORY WORK TO EXISTING SURFACES**'Sika repair system' or similar approved**

- | | | | |
|---|---|----|-----|
| 6 | Repair concrete surface with Sika monotop 615 on Sika monotop primer, then seal with SIKAFLEX, as per manufacture's specification | m2 | 173 |
|---|---|----|-----|

MAKING GOOD OF FINISHES, ETC.**Making good**

- | | | | |
|---|---|----|-----|
| 7 | Make good screed to floors to receive new floor coverings (elsewhere) | m2 | 173 |
|---|---|----|-----|

Carried Forward to Summary of Section No. 6

Section No. 6
 Bill No. 1
 Alterations and Demolitions

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO.6</u></p> <p><u>BLOCK G - GRADE R BLOCK</u></p> <p><u>BILL NO.2</u></p> <p><u>ROOF COVERINGS, ETC.</u></p> <p><u>PREAMBLES</u></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><u>SERVICE, REPAIRS, ETC. TO EXISTING WORKS</u></p> <p><u>Service, repair and make good existing roof coverings</u></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	173	
	Carried Forward to Summary of Section No. 6			
	Section No. 6			
	Bill No. 2			
	Roof Coverings			

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO.6</u></p> <p><u>BLOCK G - GRADE R BLOCK</u></p> <p><u>BILL NO.3</u></p> <p><u>CARPENTRY AND JOINERY</u></p> <p><u>PREAMBLES</u></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> <p>—</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Fixing:</u></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><u>EAVES. VERGES. ETC</u></p> <p><u>"Everite Nutech" Medium density fibre-cement fascia board with H-profile plastic fascia joiners</u></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	46	
	Carried Forward			R
	<p>Section No. 6</p> <p>Bill No. 3</p> <p>Carpentry and Joinery</p>			

Brought Forward				R	10,350.00
<u>"Everite Nutech" Fibre-cement socketless barge boards</u>					
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	18		
<u>(CPAP WORK GROUP NO. 126) unless otherwise stated</u>					
<u>DOORS. ETC.</u>					
Refer to Architectural door schedule.					
<u>"Saligna Blaco"</u>					
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	2		
<u>SKIRTINGS</u>					
<u>Wrought meranti</u>					
4	19 x 76mm Skirtings with 19mm quadrant bead, plugged	m	76		
Carried Forward to Summary of Section No. 6					
Section No. 6					
Bill No. 3					
Carpentry and Joinery					

Item No	Quantity	Rate	Amount
<u>SECTION NO.6</u>			
<u>BLOCK G - GRADE R BLOCK</u>			
<u>BILL NO.4</u>			
<u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u>			
<u>PREAMBLES</u>			
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.			
—			
<u>SUPPLEMENTARY PREAMBLES</u>			
<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			
<u>CEILINGS, ETC.</u>			
<u>(CPAP WORK GROUP NO. 129) unless otherwise stated</u>			
<u>NAILED-UP CEILINGS</u>			
Carried Forward			
Section No. 6 Bill No. 4 Ceilings , Partitions and Access Flooring			

Brought Forward			R
<u>6.5mm Gypsum plasterboard with H-profile metal steel jointing strips</u>			
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	173
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	2
<u>"Rhino" gypsum plasterboard cornices</u>			
3	75mm Coved cornices	m	76
<u>"Isotherm" insulation</u>			
4	50mm Insulation closely fitted and laid on top of brandering between roof timbers, etc.	m2	173
Carried Forward to Summary of Section No. 6			
Section No. 6			
Bill No. 4			
Ceilings , Partitions and Access Flooring			

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO.6</u></p> <p><u>BLOCK G - GRADE R BLOCK</u></p> <p><u>BILL NO.5</u></p> <p><u>FLOOR COVERINGS. PLASTIC LININGS. ETC.</u></p> <p><u>PREAMBLES</u></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>			
	<p>—</p> <p><u>SUPPLEMENTARY PREAMBLES</u></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><u>(CPAP WORK GROUP NO. 130) unless otherwise stated</u></p> <p><u>FLOOR COVERINGS</u></p> <p><u>VINYL FLOOR COVERINGS</u></p> <p><u>2mm thick x 1200mm wide Superflex fully flexible vinyl floor tiles</u></p>			
1	On floors	m2	173	
	<p><u>POLISH. SEALERS. ETC.</u></p>			
2	Three coats waterbased sealer on vinyl flooring.	m2	173	
	<p>Carried Forward to Summary of Section No. 6</p> <p>Section No. 6</p> <p>Bill No. 5</p> <p>Floor Coverings</p>			

Item No		Quantity	Rate	Amount
	<u>SECTION NO.6</u>			
	<u>BLOCK G - GRADE R BLOCK</u>			
	<u>BILL NO.6</u>			
	<u>IRONMONGERY</u>			
	<u>PREAMBLES</u>			
	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.			
	—			
	<u>(CPAP WORK GROUP NO. 132) unless otherwise stated</u>			
	<u>LOCKS</u>			
	<u>"Dorma" or similar approved</u>			
1	"Ref 390/313" four-lever mortice lockset	No	2	
	<u>SUNDRIES</u>			
2	38mm Diameter rubber door stop plugged	No	2	
	<u>KEY TAGS</u>			
3	28mm Diameter x 1mm thick brass key tags with one numeral and one letter engraved	No	2	
4	Approved standard stainless steel key rings	No	2	
	<u>WRITING BOARDS, ETC</u>			
	<u>"Parrot" or equal approved</u>			
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	2	
	<u>PINNING BOARD</u>			
	Carried Forward			
	Section No. 6 Bill No. 6 Ironmongery			

Brought Forward

EP09 Floortime domestic pinning boards fixed to brickwall strictly in accordance to manufacturer's instructions

6	2400 x 1200mm high pinning board fixed 900mm above finished floor level	No	2
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CHALKBOARDS**Green chalkboard to comply with CKS-38-1980 complete with chalk rail fixed in accordance with the manufacturers specifications**

7	4800 x 1140mm high Chalkboard	No	2
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Carried Forward to Summary of Section No. 6

Section No. 6
 Bill No. 6
 Ironmongery

Item No		Quantity	Rate	Amount
	<u>SECTION NO.6</u>			
	<u>BLOCK E - 4 CLASSROOM BLOCK. ADMIN OFFICE AND STUFF OFFICE</u>			
	<u>BILL NO.7</u>			
	<u>PLUMBING AND DRAINAGE</u>			
	<u>PREAMBLES</u>			
	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.			
	—			
	<u>PLUMBING AND DRAINAGE (PROVISIONAL)</u>			
	<u>RAINWATER DISPOSAL</u>			
	<u>0.6mm Chromadek seamless gutters and rainwater pipes</u>			
1	155 x 100 x 115mm aluminium ogee roof gutters with baked enamel finish fixed with concealed brackets.	m	46	
2	Extra over gutter for stopped end.	No	4	
3	75 x 100mm Diameter rainwater pipes	m	16	
4	Extra over gutter for outlet for 100 x 75mm pipe	No	6	
5	Extra over 100mm rainwater pipe for eaves or plinth offset 650mm projection.	No	6	
	<u>FIRE APPLAINCES. ETC</u>			
	<u>"Chubb" or other equal and approved fire appliances all to SABS 543 requirements</u>			
6	4.5kg Dry chemical powder portable fire extinguisher	No	2	
7	190 x 190mm ABS plastic symbolic safety sign type FB2 plugged and screwed to wall.	No	2	
	Carried Forward to Summary of Section No. 6			
	Section No. 6			
	Bill No. 7			
	Plumbing and Drainage			

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO.6</u></p> <p><u>BLOCK G - GRADE R BLOCK</u></p> <p><u>BILL NO.8</u></p> <p><u>GLAZING</u></p> <p><u>PREAMBLES</u></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>—</p> <p><u>(CPAP WORK GROUP NO. 150) unless otherwise stated</u></p> <p><u>GLAZING TO STEEL WITH PUTTY</u></p> <p><u>6mm Clear float glass</u></p>			
1	<p>Panes exceeding 0,1m2 and not exceeding 0,5m2</p>	m2	19	
	<p>Carried Forward to Summary of Section No. 6</p>			
	<p>Section No. 6</p> <p>Bill No. 8</p> <p>Glazing</p>			

Item No	Quantity	Rate	Amount
<u>SECTION NO.6</u>			
<u>BLOCK G - GRADE R BLOCK</u>			
<u>BILL NO.9</u>			
<u>PAINTWORK</u>			
<u>PREAMBLES</u>			
<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> <p>—</p>			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>PAINT SPECIFICATIONS</u>			
<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>			
Carried Forward			
<p>Section No. 6 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	200
2	External walls	m2	161

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	173
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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	3
5	On gates	m2	7

ON WOOD

Carried Forward

Section No. 6
Bill No. 9
Paintwork

Brought Forward

Stop, sand down and prepare wood surfaces and apply one coat wood primer, one undercoat and two coats high gloss enamel paint:

6	On doors
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m2

7

ON FIBRE-CEMENT

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

7 | Fascias and barge boards.

m

61

Carried Forward to Summary of Section No. 6

Section No. 6
Bill No. 9
Paintwork

[illegible]

Item No	Quantity	Rate	Amount
<u>SECTION NO.7</u>			
<u>BLOCK H - 4 CLASSROOMS</u>			
<u>BILL NO.1</u>			
<u>ALTERATIONS AND DEMOLITIONS</u>			
<u>PREAMBLES</u>			
<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> <p>—</p>			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>Damage and Repairs to Services</u>			
<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>			
<u>Disposal of Materials</u>			
<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>			
Carried Forward		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.			
<u>REMOVAL OF EXISTING WORK</u>			
<u>Taking up and remove damaged fascia board</u>			
1	Fascia boards and bardge boards	m	79
<u>Take out timber doors including ironmongery</u>			
2	Single Door	No	2
<u>Remove existing chakboard</u>			
3	Chalkboard	No	4
<u>PREPARATORY WORK TO EXISTING SURFACES</u>			
<u>'Sika repair system' or similar approved</u>			
4	Repair concrete surface with SIKA monotop 615 on SIKA monotop primer, then seal with SIKAFLEX, as per manufacture's specification	m2	230
<u>MAKING GOOD OF FINISHES. ETC.</u>			
<u>Making good</u>			
5	Make good screed to floors to receive new floor coverings (elsewhere)	m2	230
Carried Forward to Summary of Section No. 7			
Section No. 7			
Bill No. 1			
Alterations and Demolitions			

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO.7</u></p> <p><u>BLOCK H - 4 CLASSROOMS</u></p> <p><u>BILL NO.2</u></p> <p><u>ROOF COVERINGS, ETC.</u></p> <p><u>PREAMBLES</u></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>—</p> <p><u>(CPAP WORK GROUP NO. 124) unless otherwise stated</u></p> <p><u>SERVICE, REPAIRS, ETC. TO EXISTING WORKS</u></p> <p><u>Service, repair and make good existing roof coverings</u></p>			
1	<p>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)</p> <p><i>(All leaking roofs including the school Hall)</i></p>	m2	230	
	<p>Carried Forward to Summary of Section No. 7</p>			
	<p>Section No. 7</p> <p>Bill No. 2</p> <p>Roof Coverings</p>			

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO.7</u></p> <p><u>BLOCK H - 4 CLASSROOMS</u></p> <p><u>BILL NO.3</u></p> <p><u>CARPENTRY AND JOINERY</u></p> <p><u>PREAMBLES</u></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> <p>—</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Fixing:</u></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><u>EAVES. VERGES. ETC</u></p> <p><u>"Everite Nutech" Medium density fibre-cement fascia board with H-profile plastic fascia jointers</u></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	61	
	Carried Forward			
	<p>Section No. 7</p> <p>Bill No. 3</p> <p>Carpentry and Joinery</p>			

Brought Forward**"Everite Nutech" Fibre-cement socketless barge boards**

- | | | | |
|---|---|---|----|
| 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 | 18 |
|---|---|---|----|

DOORS. ETC.

Refer to Architectural door schedule.

"Saligna Blaco"

- | | | | |
|---|---|----|---|
| 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 | 2 |
|---|---|----|---|

SKIRTINGS**Wrought meranti**

- | | | | |
|---|--|---|-----|
| 4 | 19 x 76mm Skirtings with 19mm quadrant bead, plugged | m | 121 |
|---|--|---|-----|

Carried Forward to Summary of Section No. 7

Section No. 7
Bill No. 3
Carpentry and Joinery

Item No	Quantity	Rate	Amount
<u>SECTION NO.7</u>			
<u>BLOCK H - 4 CLASSROOMS</u>			
<u>BILL NO.4</u>			
<u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u>			
<u>PREAMBLES</u>			
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.			
—			
<u>SUPPLEMENTARY PREAMBLES</u>			
<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			
<u>CEILINGS, ETC.</u>			
<u>(CPAP WORK GROUP NO. 129) unless otherwise stated</u>			
<u>NAILED-UP CEILINGS</u>			
Carried Forward			
Section No. 7			
Bill No. 4			
Ceilings, Partions 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	230
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	2

"Rhino" gypsum plasterboard cornices

3	75mm Coved cornices	m	121
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"Isotherm" insulation

4	50mm Insulation closely fitted and laid on top of brandering between roof timbers, etc	m2	230
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Carried Forward to Summary of Section No. 7

Section No. 7

Bill No. 4

Ceilings, Partions and Access Flooring

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO.7</u></p> <p><u>BLOCK H - 4 CLASSROOM BLOCK</u></p> <p><u>BILL NO.5</u></p> <p><u>FLOOR COVERINGS. PLASTIC LININGS. ETC.</u></p> <p><u>PREAMBLES</u></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>			
	<p>—</p> <p><u>SUPPLEMENTARY PREAMBLES</u></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><u>(CPAP WORK GROUP NO. 130) unless otherwise stated</u></p> <p><u>FLOOR COVERINGS</u></p> <p><u>VINYL FLOOR COVERINGS</u></p> <p><u>2mm thick x 1200mm wide Superflex fully flexible vinyl floor tiles</u></p>			
1	On floors	m2	230	
	<p><u>POLISH. SEALERS. ETC.</u></p>			
2	Three coats waterbased sealer on vinyl flooring.	m2	230	
	<p>Carried Forward to Summary of Section No. 7</p>			
	<p>Section No. 7</p> <p>Bill No. 5</p> <p>Floor Coverings</p>			

Item No		Quantity	Rate	Amount
	<u>SECTION NO.7</u>			
	<u>BLOCK E - 4 CLASSROOM BLOCK. ADMIN OFFICE AND STUFF OFFICE</u>			
	<u>BILL NO.6</u>			
	<u>IRONMONGERY</u>			
	<u>PREAMBLES</u>			
	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.			
	—			
	<u>(CPAP WORK GROUP NO. 132) unless otherwise stated</u>			
	<u>LOCKS</u>			
	<u>"Dorma" or similar approved</u>			
1	"Ref 390/313" four-lever mortice lockset	No	2	
	<u>SUNDRIES</u>			
2	38mm Diameter rubber door stop plugged	No	2	
	<u>KEY TAGS</u>			
3	28mm Diameter x 1mm thick brass key tags with one numeral and one letter engraved	No	2	
4	Approved standard stainless steel key rings	No	2	
	<u>WRITING BOARDS. ETC</u>			
	<u>"Parrot" or equal approved</u>			
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	4	
	Carried Forward			
	Section No. 7 Bill No. 6 Ironmongery			

Brought Forward

PINNING BOARD

EP09 Floortime domestic pinning boards fixed to brickwall strictly in accordance to manufacturer's instructions

6	2400 x 1200mm high pinning board fixed 900mm above finished floor level	No	4
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CHALKBOARDS

Green chalkboard to comply with CKS-38-1980 complete with chalk rail fixed in accordance with the manufacturers specifications

7	4800 x 1140mm high Chalkboard	No	4
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Carried Forward to Summary of Section No. 7

Section No. 7
Bill No. 6
Ironmongery

Item No		Quantity	Rate	Amount
	<u>SECTION NO.7</u>			
	<u>BLOCK H - 4 CLASSROOM BLOCK</u>			
	<u>BILL NO.7</u>			
	<u>PLUMBING AND DRAINAGE</u>			
	<u>PREAMBLES</u>			
	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.			
	—			
	<u>PLUMBING AND DRAINAGE (PROVISIONAL)</u>			
	<u>RAINWATER DISPOSAL</u>			
	<u>0.6mm Chromadek seamless gutters and rainwater pipes</u>			
1	155 x 100 x 115mm aluminium ogee roof gutters with baked enamel finish fixed with concealed brackets.	m	61	
2	Extra over gutter for stopped end.	No	4	
3	75 x 100mm Diameter rainwater pipes	m	16	
4	Extra over gutter for outlet for 100 x 75mm pipe	No	6	
5	Extra over 100mm rainwater pipe for eaves or plinth offset 650mm projection.	No	6	
	<u>FIRE APPLAINCES. ETC.</u>			
	<u>"Chubb" or other equal and approved fire appliances all to SABS 543 requirements</u>			
6	4.5kg Dry chemical powder portable fire extinguisher	No	2	
7	190 x 190mm ABS plastic symbolic safety sign type FB2 plugged and screwed to wall.	No	2	
	Carried Forward to Summary of Section No. 7			
	Section No. 7			
	Bill No. 7			
	Plumbing and Drainage			

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO.7</u></p> <p><u>BLOCK H - 4 CLASSROOM BLOCK</u></p> <p><u>BILL NO.8</u></p> <p><u>GLAZING</u></p> <p><u>PREAMBLES</u></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>—</p> <p><u>(CPAP WORK GROUP NO. 150) unless otherwise stated</u></p> <p><u>GLAZING TO STEEL WITH PUTTY</u></p> <p><u>6mm Clear float glass</u></p>			
1	<p>Panes exceeding 0,1m2 and not exceeding 0,5m2</p>	m2	26	
	<p>Carried Forward to Summary of Section No. 7</p> <p>Section No. 7 Bill No. 8 Glazing</p>			

Item No	Quantity	Rate	Amount
<u>SECTION NO.7</u>			
<u>BLOCK H - 4 CLASSROOMS</u>			
<u>BILL NO.9</u>			
<u>PAINTWORK</u>			
<u>PREAMBLES</u>			
<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> <p>—</p>			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>PAINT SPECIFICATIONS</u>			
<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>			
Carried Forward			
<p>Section No. 7 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	322
2	External walls	m2	205

ON WOOD

Stop, sand down and prepare wood surfaces and apply one coat wood primer, one undercoat and two coats high gloss enamel paint:

3	On doors	m2	13
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ON FIBRE-CEMENT

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

4	Fascias and barge boards.	m	79
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Carried Forward to Summary of Section No. 7

Section No. 7
Bill No. 9
Paintwork

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[illegible]

[illegible]

Item No		Quantity	Rate	Amount
	<u>SECTION NO.9</u>			
	<u>ELECTRICAL WORKS</u>			
	<u>BILL NO. 2</u>			
	<u>LV RETICULATION</u>			
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	Supply and Installation of 1 x 35mm ² 4C PVC/SWA/Cu cable	m 50		
8	Supply and Installation of 1 x 25mm ² BCEW	m 50		
9	Cable terminations for 1 x 35mm ² 4C PVC/SWA/Cu cable to new Prefab cLassrooms	m 6		
10	Earth terminations for 1 x 25mm ² BCEW	m 6		
11	Electrical wireways: P8000 trunking complete with covers, bends and accessories	m 500		
12	Sleeves wireways: 50mm diameter HDPE	m 100		
	Carried Forward to Summary of Section No. 9			
	Section No. 9			
	Bill No. 2			
	LV Reticulation			

Item No		Quantity	Rate	Amount
<u>SECTION NO.9</u>				
<u>ELECTRICAL WORKS</u>				
<u>BILL NO. 3</u>				
<u>POWER INSTALLATION</u>				
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	28	
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	12	
Carried Forward to Summary of Section No. 9				R
Section No. 9				
Bill No. 3				
Power Installation				

Item No		Quantity	Rate	Amount
	<u>SECTION NO.9</u>			
	<u>ELECTRICAL WORKS</u>			
	<u>BILL NO. 4</u>			
	<u>LIGHTING INSTALLATION</u>			
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 ² L+N & 1.5mm ² 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 ² L+N & 1.5mm ² 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 ² L+N & 1.5mm ² E copper conductors wired from DB.		SUM	
7	Supply and install light switch c/w 2.5mm ² L+N & 1.5mm ² E copper conductors wired from DB.		SUM	
8	Supply and install 16A Day/night switch, IP65 installed in empty rectangular bulkhead fitting		SUM	
	Carried Forward to Summary of Section No. 9			
	Section No. 9			
	Bill No. 4			
	Lighting Installation			

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Bill No	SECTION SUMMARY - ELECTRICAL WORKS	Page No	Amount
1	Preliminaries	132	
2	LV Reticulation	133	
3	Power Installation	134	
4	Lighting Installation	135	
5	Earthing and lightening Protection Installation	136	
Carried to Final Summary			
Section No. 9			

Item No		Quantity	Rate	Amount
	<u>SECTION NO.10</u>			
	<u>CIVIL WORKS</u>			
	<u>BILL NO.1</u>			
	<u>WATER RETICULATION</u>			
1	Total length of pipe to be constructed, 160 mm Ø HDPE class 12	m	110	
2	Total length of pipe to be constructed, 90 mm Ø HDPE class 12	m	130	
3	Excavations over 1,0 m but not exceeding 2,5 m	m	240	
	<u>Excavation 90mm HDPE class 12</u>			
4	Bedding	m3	8	
5	Selected backfill	m3	4	
6	General Backfill	m	54	
	<u>Excavation 160mm HDPE class 12</u>			
7	Bedding	m3	8	
8	Selected backfill	m	8	
9	General Backfill	m3	50	
10	Water fittings as required and specified (valves, etc)	Item		
11	Pressure testing of existing pipe network	Item		
12	Storage tank including all fittings and infrastructure	Item		
	Carried Forward to Summary of Section No. 10			
	Section No. 10			
	Bill No. 1			
	Water Reticulation			

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Item No		Quantity	Rate	Amount
	<u>SECTION NO.11</u>			
	<u>EXTERNAL WORKS</u>			
	<u>BILL NO. 1</u>			
	<u>GENERAL SITE WORKS</u>			
	<u>PREAMBLES</u>			
	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			
	<u>WATER TROUGH</u>			
1	Allow for Water trough revamp as per architectural instructions complete	Item		
	<u>PLAYING STRUCTURES</u>			
2	Allow for supply, prepare, and construction of Slide complete according to Architect specifications and requirements. (Refer to specifications Document)	No	1.00	
3	Allow for supply, prepare, and construction of Climbing Ladder complete according to Architect specifications and requirements. (Refer to specifications Document)	No	2.00	
4	Allow for supply, prepare, and construction of Swings complete according to Architect specifications and requirements. (Refer to specifications Document)	No	2.00	
5	Prepare and build square shaped sand pit size 4000 x 4000mm complete as per the architectural drawings	Item		
	<u>CONCRETE</u>			
	<u>(CPAP WORK GROUP NO. 110) unless otherwise stated</u>			
	<u>Concrete small works</u>			
6	220 x 100mm Thick triangular edging to paving including excavations etc	m	100	
	Carried Forward			
	Section No. 11 Bill No. 1 General External Works			

Brought Forward

PRECAST CONCRETE PAVING BLOCKS

Paving is to be laid in accordance with SABS 1200MJ, SABS 1058 and the Concrete Masonry Association's Specification

Standard "Grey" or similar approved interlocking roadstone paving on and including 25mm thick layer of river sand with joints filled in with sand, compacted with a vibration roller

- | | | | |
|---|---|----|-----|
| 7 | 80mm Paving to extending assembly area, walkways, etc. to falls | m2 | 400 |
|---|---|----|-----|

PRECAST KERBS

- | | | | |
|---|--|---|-----|
| 8 | Precast concrete barrier kerb fig.12 edge restraint, bedded, jointed and pointed in 1-3 cement mortar including shallow excavation, small concrete foundation and concrete benching behind joints. | m | 150 |
|---|--|---|-----|

ALUMINIUM FLAGPOLE

(CPAP WORK GROUP NO. 140) unless otherwise stated

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.

- | | | | |
|---|--|----|---|
| 9 | "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 |
|---|--|----|---|

PLAY GROUNDS

- | | | | |
|----|--|------|--|
| 10 | Allow for levelling of play grounds as directed by the Engineer complete | Item | |
|----|--|------|--|

Extra over all excavations for carting away

- | | | | |
|----|---|----|-----|
| 11 | Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor. | m3 | 250 |
|----|---|----|-----|

Carried Forward

Section No. 11
Bill No. 1
General External Works

Brought Forward

STRUCTURAL STEEL REPAIRS

12	Allow for the repairs of damaged structural steel structures on site, supply and replace where necessary make good and paint as directed by the Engineer and the Architect.	t	6.20
13	Allow for supply and fit new structural steel parts (Remeasurable on site)	t	5.00
14	Allow for all necessary accessories to complete the above		Item

Carried Forward to Summary of Section No. 11

Section No. 11
 Bill No. 1
 General External Works

Item No		Unit	Quantity	Rate	Amount
	<u>SECTION NO.11</u> <u>EXTERNAL WORKS</u> <u>BILL NO. 2</u> <u>DEMOLITION WORKS</u> <u>PREAMBLES</u> 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				
	<u>DEMOLITIONS</u> <u>Removal of Mobile Classrooms</u> 1 Removal of mobile classroom size 6000mm x 9000mm long x 2650mm high including transportation and cartaway <u>Demolitions</u> 2 Breakup and demolish the existing concrete surface bed overall size 4069 x 4594mm long, cart away the rubble and unwanted materials to an authorised place, prepare the area to receive new platform. 3 Breakup and demolish the existing concrete surface bed overall size 3648 x 6255mm long, cart away the rubble and unwanted materials to an authorised place, prepare the area to receive new platform. 4 Allow for demolishing complete approximate overall size 3678 x 6255mm long, levelling and cart away of unwanted materials to an authorised municipal place, the existing concrete surface bed . 5 Allow for demolishing complete approximate overall size 3678 x 4594mm long, levelling and cart away of unwanted materials to an authorised municipal place, the existing concrete surface bed..	 No m No No No	 1 1 1 1		
	<p style="text-align: center;">Carried Forward</p> <p>Section No. 11 Bill No. 2 Demolitions</p>				

Brought Forward

ASBESTOS REMOVAL

- 6 Allow for removal of asbestos by the specialists, loading, dumping to the authorised municipal site, provide the specialist details with the tender.
- 7 Allow for testing the roof materials suspected to be Asbestos before removal

Item

Item

Carried Forward to Summary of Section No.

11

Section No. 11
Bill No. 2
Demolitions

R

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO.11</u></p> <p><u>EXTERNAL WORKS</u></p> <p><u>BILL NO.2</u></p> <p><u>FENCING AND GATES</u></p> <p><u>PREAMBLES</u></p> <p>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</p> <hr/> <p><u>(CPAP WORK GROUP NO. 136) unless otherwise stated</u></p> <p><u>REMOVAL OF EXISTING FENCE</u></p> <p>1 Break down and remove existing fence and gate complete with all posts, droppers, concrete footings, concrete underdig, etc.</p> <p><u>SECURITY FENCING</u></p> <p><u>THE FOLLOWING WORK SHALL BE UNDERTAKEN BY REPUTABLE CONTRACTORS WHO ARE TO BE APPROVED BY THE PRINCIPAL AGENT PRIOR TO COMMENCING ANY WORK ON SITE</u></p> <p><u>ClearVu or equal approved fencing</u></p>	m	448	
	Carried Forward			
	Section No. 11 Bill No. 3 Fencing			

Brought Forward

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:

2	1800mm High fencing	m	448
3	100mm high powder coated charcoal shark tooth type spike rail, bolted to 50mm wide mesh fencing flange bent along the top	m	448
4	200 x 200mm concrete sill for anti-burrow including excavations, cartaway, backfilling, formwork to sides, etc.	m	448
5	Extra over fencing for all necessary accessories, components, transportation, etc.		Item
<u>GATES</u>			
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

Carried Forward to Summary of Section No. 11

Section No. 11
Bill No. 3
Fencing

SECTION SUMMARY - EXTERNAL WORKS				
Bill No		Page No		Amount
1	General External Works	143		
2	Demolitions	145		
3	Fencing	147		
			</	

Item No			Quantity	Rate	Amount R
	PROVISIONAL SUMS : SECTION 12				
	<p>Note to tenderers: As CPGs may not provide any bidder a competitive advantage. Provisional amounts and fixed percentages for profit and attendance have been provided. Only the provisional amount will be adjusted once the awarded tender amount and/or the beneficiaries have been appointed, and the final values have been ascertained.</p>				
	MINIMUM TARGETED LOCAL BUILDING MATERIAL MANUFACTURERS				
	Provision is made for the Minimum Targeted Local Building Material Manufacturers CPG in the execution of this project as described in C3.1 Project Specifications. Allowance for monitoring and monthly reporting on material purchased from Local Building Material Manufacturers by main contractor and subcontractors based on determination by Employer taking into account specific project variables	PS	1	R23 588,78	R23 588,78
	Allowance for profit and attendance, all inclusive of associated costs to the contractor for implementation.	%			
	Allowance for attendance all inclusive of associated costs to the contractor for implementation.	%			
	MINIMUM TARGETED LOCAL BUILDING MATERIAL SUPPLIERS				
	Provision is made for the Minimum Targeted Local Building Material Suppliers CPG in the execution of this project as described in C3.1 Project Specifications. Allowance for monitoring and monthly reporting on material purchased from Local Building Material Suppliers by main contractor and subcontractors based on determination by Employer taking into account specific project variables	PS	1	R23 588,78	R23 588,78
	Allowance for profit and attendance, all inclusive of associated costs to the contractor for implementation.	%			
	Allowance for attendance all inclusive of associated costs to the contractor for implementation	%			
				R	
	Carried Forward to Summary of Section No.				
	SECTION NO.12 PROVISIONAL SUMS				
	Bill No. 1				
	Provisional Sums				

Item No			Quantity	Rate	Amount R
	MINIMUM TARGETED ENTERPRISE DEVELOPMENT				
	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	R235 887,77	R235 887,77
	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.	%			
	LABOUR INTENSIVE PARTICIPATION GOAL				
	Labour Intensive Participation Goal - Allowance for monthly reporting of labour intensive works by main contractor based on determination by Employer taking into account specific project variables. Allowance for monitoring and monthly reporting on Works executed by means of Labour Intensive methods by main contractor and subcontractors based on determination by Employer taking into account specific project variables	PS	1	R72 000,00	R72 000,00
	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.				
	APPOINTMENT OF CLO				
	Allowance of R100 000.00 for appointment of CLO for the project duration of 10 months	Item		R100 000.00	R100 000.00
	Carried to Collection			R	
	SECTION NO.12- ASBESTOS REPLACEMENT				
	Bill No. 1				
	Provisional Sums				

Section No	FINAL SUMMARY	Page No	Amount
1	PRELIMINARIES	24	
2	BLOCK A - GUARD HOUSE	45	
3	BLOCK B , C AND D - ABLUTION BLOCKS	57	
4	BLOCK E - 4 CLASSROOM BLOCK, ADMIN OFFICE AND STUFF ROOM OFFICE	78	
5	BLOCK F - SNP KITCHEN	96	
6	BLOCK G - GRADE R BLOCK	114	
7	BLOCK H - 4 CLASSROOMS	130	
8	BLOCK I - MOBILE CLASSROOM	131	
9	ELECTRICAL WORKS	137	
10	CIVIL WORKS	140	
11	EXTERNAL WORKS	148	
12	PROVISIONAL SUMS	150	
	Sub Total		
	<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		
	SUB-TOTAL		
	ADD VAT @ 15%		
	TOTAL TENDER AMOUNT TAKEN TO FORM OF TENDER		
	Carried to Form of Tender		