

**Item  
No**

# **BILL NO. 1**

## PRELIMINARIES

## **BUILDING AGREEMENT AND PRELIMINARIES**

The JBCC Series 2000 Principal Building Agreement (July 2007 edition 5.0 - reprint 1) prepared by the Joint Building Contract Committee shall be the applicable building agreement, amended as hereinafter described

The JBCC Principal Building Agreement Contract Data EC and the JBCC Principal Building Agreement Contract Data CE form an integral part of this agreement

The ASAQS Preliminaries (November 2007 edition) published by the Association of South African Quantity Surveyors for use with the said JBCC Principal Building Agreement shall be deemed to be incorporated in these bills of quantities

Contractors are referred to the abovementioned documents for the intent and meaning of each clause thereof

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 abovementioned documents

Where any item is not relevant to this specific contract such item is marked N/A, signifying "not applicable"

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### **PREAMBLES FOR TRADES**

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

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 subclause 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 (A1)**

#### **1 Clause 1.0 - Definitions and interpretation**

The measuring system used for the preparation of the bills of quantities is the Standard System of Measuring Building Work (sixth edition, revised 1999) Published by the Association of South Africa Quantity Surveyors [1.1]

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<b><u>Objective and preparations (A2 - A14)</u></b>				
2	Clause 2.0 - Offer acceptance and performance obligations  F:..... V:..... T:.....	Item		
3	Clause 3.0 - Documents  Refer to Annexure A for a list of the contract drawings  Provision is made in the summary page of these bills of quantities for the inclusion of Value Added Tax (VAT) [3.5]  The principal agent shall decide which portion of the priced document may be used as a specification of materials and goods or methods, if any [3.9]  F:..... V:..... T:.....	Item		
4	Clause 4.0 - Design responsibility  F:..... V:..... T:.....	Item		
5	Clause 5.0 - Employer's agents  F:..... V:..... T:.....	Item		
6	Clause 6.0 - Contractor's site representative  F:..... V:..... T:.....	Item		
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7	<p>Clause 7.0 - Compliance with laws and regulations</p> <p>Without limiting the generally 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 document health and safety specification for the works and that the employer shall ensure that the contract has made provision for the cost 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 specification [7.1]</p> <p>F:..... V:..... T:.....</p>	Item	
8	<p>Clause 8.0 - Works risk</p> <p>F:..... V:..... T:.....</p>	Item	
9	<p>Clause 9.0 - Indemnities</p> <p>F:..... V:..... T:.....</p>	Item	
10	<p>Clause 10.0 - General insurances</p> <p>F:..... V:..... T:.....</p>	Item	
11	<p>Clause 11.0 - Special insurances</p> <p>F:..... V:..... T:.....</p>	Item	
12	<p>Clause 12.0 - Effecting insurances</p> <p>F:..... V:..... T:.....</p>	Item	
13	<p>Clause 13.0 - Assignment F:..... V:..... T:.....</p>	Item	
14	<p>Clause 14.0 - Security</p> <p>F:..... V:..... T:.....</p>	Item	
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	<b><u>Execution (A15 - A23)</u></b>			
15	<p>Clause 15.0 - Preparation for and execution of the works F:..... V:..... T:.....</p>	Item		
16	<p>Clause 16.0 - Site and access</p> <p>Certain 16.0 areas will be occupied during the construction period and the contractor must execute the works with as little noise and disturbance as possible to the occupants. [16.6]</p> <p>F:..... V:..... T:.....</p>	Item		
17	<p>Clause 17.0 - Contract instructions F:..... V:..... T:.....</p>	Item		
18	<p>Clause 18.0 - Setting out of the works</p> <p>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:.....</p>	Item		
19	<p>Clause 19.0 - Temporary works and plant</p> <p>Subclause 19.1.1 - Enclosure of the works</p> <p>Subclause 19.1.2 - Office accommodation</p> <p>F:..... V:..... T:.....</p>	Item		
20	<p>Clause 19.1.2 - Office accommodation - provide suitable office accommodation for site meetings with tables and chairs for people</p> <p>F:..... V:..... T:.....</p>	Item		
21	<p>Clause 20.0 - Nominated subcontractors F:..... V:..... T:.....</p>	Item		
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22	<p>Clause 21.0 - Selected subcontractors</p> <p>General attendance of n/s subcontractors for pricing by the contractor shall be in accordance with the n/s agreement. notwithstanding this provision, general attendance shall be deemed to include for the contractor to provide free of charge to any n/s subcontractor such scaffolding as many reasonably be required by such n/s subcontractor for the execution of the relevant subcontract work</p> <p>F:..... V:..... T:.....</p>	Item		
23	<p>Clause 22.0 - Employer's direct contractors</p> <p>F:..... V:..... T:.....</p>	Item		
24	<p>Clause 23.0 - Contractor's domestic subcontractors</p> <p>F:..... V:..... T:.....</p> <p><b><u>Completion (A24 - A30)</u></b></p>	Item		
25	<p>Clause 24.0 - Practical completion</p> <p>F:..... V:..... T:.....</p>	Item		
26	<p>Clause 25.0 - Works completion F:..... V:..... T:.....</p>	Item		
27	<p>Clause 26.0 - Final completion F:..... V:..... T:.....</p>	Item		
28	<p>Clause 27.0 - Latent defects liability period</p> <p>F:..... V:..... T:.....</p>	Item		
29	<p>Clause 28.0 - Sectional completion F:..... V:..... T:.....</p>	Item		
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30	<p>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:.....</p>	Item		
31	<p>Clause 30.0 - Penalty for late or non-completion: 0.04% of the Contract Amount inclusive of Value Added Tax per Calendar day F:..... V:..... T:.....</p> <p><b><u>Payment (A31 - A35)</u></b></p>	Item		
32	<p>Clause 31.0 - Interim payment</p> <p>Materials and goods stored off site shall not be included in the amount authorised for payment [31.6.5]</p> <p>F:..... V:..... T:.....</p>	Item		
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33	<p>Clause 32.0 - Adjustment to the contract value- Subject to CPAP</p> <p>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>Where prices are submitted by the contractor or n/s subcontractor during the progress of the works in respect of contract instructions or in regard to a claim under the terms of the contract and notwithstanding the fact that such prices may be used in an interim payment certificate, there is to be no presumption of acceptance. Should the principal agent wish to accept any such prices prior to the issue of the final payment certificate, it shall be in writing</p> <p>The contractor shall not receive any mark-up for overheads and profit on any omission of tenant installation work or tenant installation work by others. Claims for loss of profit shall not be entertained [32.2]</p> <p>F:..... V:..... T:.....</p>	Item		
34	<p>Clause 33.0 - Recovery of expense and loss</p> <p>F:..... V:..... T:.....</p>	Item		
35	<p>Clause 34.0 - Final account and final payment</p> <p>F:..... V:..... T:.....</p>	Item		
36	<p>Clause 35.0 - Payment to other parties</p> <p>F:..... V:..... T:.....</p> <p><b><u>Termination (A36 - A39)</u></b></p>	Item		
37	<p>Clause 36.0 - Termination by employer - contractor's default F:..... V:..... T:.....</p>	Item		
38	<p>Clause 37.0 - Termination by employer - loss and damage F:..... V:..... T:.....</p>	Item		
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39	Clause 38.0 - Termination by contractor - employer's default F:..... V:..... T:.....	Item		
40	Clause 39.0 - Termination - cessation of the works F:..... V:..... T:.....	Item		
	<b><u>Dispute (A40)</u></b>			
41	Clause 40.0 - Settlement of disputes F:..... V:..... T:.....	Item		
	<b><u>Contract variables (A41 - A42)</u></b>			
42	Clause 41.0 - Post tender provisions  The contractor is to complete and submit with his tender the JBCC Principal Building Agreement Contract Data CE F:..... V:..... T:.....	Item		
43	Clause 42.0 - Contractual agreement  The required information of the parties and the amount of the contract sum shall be inserted in the agreement for signature of the agreement by the parties F:..... V:..... T:.....	Item		
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## **SECTION B - PRELIMINARIES**

### **Definitions and interpretation (B1)**

44 Clause 1.0 - Definitions and interpretation  
F:..... V:.....  
T:.....

Item

### **Documents (B2)**

45 Clause 2.1 - Checking of documents  
F:..... V:.....  
T:.....

Item

46 Clause 2.2 - Provisional bills of quantities  
F:..... V:.....  
T:.....

Item

47 Clause 2.3 - Availability of construction documentation  
  
The budgetary allowances and selected (nominated) subcontract amounts allocated for subsequent trades included in this document will be separately procured, based on multiple procurement of selected (nominated) subcontractors during the construction period

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

Item

### **Previous work and adjoining properties (B3)**

48 Clause 3.1 - Previous work - dimensional accuracy  
F:..... V:.....  
T:.....

Item

49 Clause 3.2 - Previous work - defects  
F:..... V:.....  
T:.....

Item

50 Clause 3.3 - Inspection of adjoining properties  
F:..... V:.....  
T:.....

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<b><u>Samples, shop drawings and manufacturer's instructions (B4)</u></b>			
51	Clause 4.1 - Samples of materials F:..... V:..... T:.....	Item	
52	Clause 4.2 - Workmanship samples F:..... V:..... T:.....	Item	
53	Clause 4.3 - Shop drawings F:..... V:..... T:.....	Item	
54	Clause 4.4 - Compliance with manufacturer's instructions F:..... V:..... T:.....	Item	
<b><u>Deposits and fees (B5)</u></b>			
55	Clause 5.1 - Deposits and fees F:..... V:..... T:.....	Item	
<b><u>Temporary services (B6)</u></b>			
56	Clause 6.1 - Water F:..... V:..... T:.....	Item	
57	Clause 6.2 - Electricity F:..... V:..... T:.....	Item	
58	Clause 6.3 - Telecommunication facilities F:..... V:..... T:.....	Item	
59	Clause 6.4 - Ablution facilities F:..... V:..... T:.....	Item	
<b><u>Prime cost amounts (B7)</u></b>			
60	Clause 7.1 - Responsibility for prime cost amounts F:..... V:..... T:.....	Item	
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<b><u>Special attendance on n/s subcontractors (B8)</u></b>			
61	<p>Clause 8.1 - Special attendance</p> <p><u>User note</u></p> <p><i>General attendance is defined in the n/s subcontract agreement</i></p> <p>Insert details against this clause or where provisional sums are stated for any special attendance where specifically required for each n/s subcontractor separately</p> <p>F:..... V:..... T:.....</p> <p><b><u>General (B9)</u></b></p>	Item	
62	<p>Clause 9.1 - Protection of the works F:..... V:..... T:.....</p>	Item	
63	<p>Clause 9.2 - Protection/isolation of existing/sectionally occupied works</p> <p>Certain areas of the site will be occupied during the construction period (see item 4 page 14)</p> <p>F:..... V:..... T:.....</p>	Item	
64	<p>Clause 9.3 - Security of the works F:..... V:..... T:.....</p>	Item	
65	<p>Clause 9.4 - Notice before covering work F:..... V:..... T:.....</p>	Item	
66	<p>Clause 9.5 - Disturbance F:..... V:..... T:.....</p>	Item	
67	<p>Clause 9.6 - Environmental disturbance .The employer has prepared an environmental management plan (refer to Annexure for a copy of the relevant plan). The contractor shall price opposite this item for compliance with all the requirements of such environmental management plan F:..... V:..... T: .....</p>	Item	
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68	Clause 9.7 - Works cleaning and clearing F:..... V:..... T:.....	Item		
69	Clause 9.8 - Vermin F:..... V:..... T:.....	Item		
70	Clause 9.9 - Overhand work F:..... V:..... T:.....	Item		
<b><u>Schedule of variables (B10)</u></b>				
Information necessary for elections and completion of those clauses contained in the schedule which are necessary for tender purposes is given hereunder. Where no information is given it shall mean that no specific requirements are expected or that the clause is not relevant to this specific contract				
10.1 -	Provisional bills of quantities [clause 2.2] The quantities are provisional                      Yes			
10.2 -	Availability of construction documentation [clause 2.3] Construction documentation is complete    Yes			
10.3 -	Previous work - dimensional accuracy [clause 3.1]			
10.4 -	Previous work - defects [clause 3.2]			
10.5 -	Inspection of adjoining properties [clause 3.3]			
10.6 -	Water [clause 7.2] Option A (by contractor)    yes Option B (by employer - free of charge)    no Option C (by employer - metered)    no			
10.7 -	Electricity [clause 7.3] Option A (by contractor)    yes Option B (by employer - free of charge)    no Option C (by employer - metered)    no			
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## 10.8 - Telecommunications [clause 7.4]

Telephone	yes
Facsimile	yes
E-mail	yes

### 10.9 - Ablution facilities [clause 7.5]

Option A (by contractor) *yes*  
Option B (by employer) *no*

#### 10.10 - Protection of the works [clause 9.1]

10.11 - Protection/isolation of existing/sectionally occupied works [clause 9.2] Protection/isolation is required *No*

## 10.12 - Disturbance [clause 9.5]

### 10.13 - Environmental disturbance [clause 9.6]

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

Any special items to meet the particular circumstances of a specific project are embodied in this section. Where required for an aspect of the works to be executed according to a design by a consulting engineer, a recital of the headings to the individual clauses of the JBCC Engineering General Conditions are included

71 Black economic empowerment and training

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

Item

72 Propriety branded products

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

The contractor shall take delivery of, handle, store, use, apply and/or fix all proprietary branded products in strict accordance with the manufacturer's instructions after consultation with the manufacturer's authorised representative

Item

73 Contract Instructions

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

Contract instructions issued on site are to be recorded in triplicate in a contract instruction book which is to be supplied and maintained on site by the contractor

Item

74 Labour records

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

At the end of each week the contractor shall provide the principal agent with a written record, in schedule form, reflecting the number and descriptions of tradesman and labourers employed by him and all subcontractors in the works each day of that week

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75	<p>Plant record</p> <p>F:..... V:..... T:.....</p> <p>At the end of each week the contractor shall provide the principal agent with a written record, in schedule form, reflecting the number, type and capacity of all plant, excluding hand tools used on the works each day of that week</p>	Item		
76	<p>Guarantees</p> <p>F:..... V:..... T:.....</p> <p>Where guarantees are called for, the contractor shall obtain a written guarantee, 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 guarantee shall state that workmanship, materials and installation are guaranteed for a specific period from the date of certified completion of the contract, 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 from the principal agent to do so. This guarantee 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 be the sole judge of the cause responsible for defects in the work and his decision shall be final and binding in terms of clause 40.2 of the agreement.</p>	Item		
77	<p>Overtime</p> <p>F:..... V:..... T:.....</p> <p>Should overtime be required to be worked for any reason whatsoever, the costs of such overtime are to be borne by the contractor unless the principal agent has specifically authorised, in writing, prior to execution thereof, that costs for such overtime are to be borne by the employer</p>	Item		
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78	Co-operation of contractor for cost management		
F:..... V:..... T:.....	<p>It is specifically agreed that the contractor accepts the obligation of assisting the professional consultants 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 quantity surveyor undertakes to make to make available to the contractor all budgetary allowances and cost assessments/reports to enable the proper procedures to be implemented and the contractor will attend all cost plan review and cost management meetings. The contractor undertakes to extend these procedures in regard to all subcontractors</p>	Item	
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79	<p>Occupational Health and Safety Specification</p> <p>F:..... V:..... T:.....</p> <p>The contractor shall comply with all the requirements set out in the Construction Regulations 2003 issued under the Occupational Health and Safety Act. 1993 (Act No 85 of 1993)</p> <p>It is required of the contractor to thoroughly study the Health and Safety Specification that must be read together with and is deemed to be incorporated under this Section of the bills if quantities/ lump sum document.</p> <p>The contractor must take note that compliance with the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is compulsory. In the event of partial or total non-compliance, the principal agent, notwithstanding the provisions of clause A31.0 of Section A or any other clause to the contrary, reserves the right to delay issuing any progress payment certificate until the contractor provides satisfactory proof of compliance. The contractor shall not be entitled to any compensation of whatsoever nature, including extension of time or interest, due to such delay of payment.</p> <p>Provisions for pricing of the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is made under this clause and it is explicitly pointed out that all requirements of the aforementioned are deemed to be priced hereunder and no additional claims in this regard shall be entertained.</p>				
		Item			
80	<p>Allow for the compulsory equipment and clothing, ie hats, safety shoes, safety clothing, safety glasses, safety masks, harnesses, etc</p> <p>F:..... V:..... T:.....</p>				
		Item			
81	<p>Allow for all compulsory health and safety posters, boards, etc</p> <p>F:..... V:..... T:.....</p>				
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82	Allow for all compulsory health and safety workshops, meetings, lecturers, demonstrations, etc  F:..... V:..... T:.....	Item		
83	Allow for all compulsory health and safety pamphlets, cards, paperwork, etc to each worker, consultant, public individual, etc coming onto the site  F:..... V:..... T:.....	Item		
84	<b>Testing of windows for watertightness</b>  Each window shall be tested for watertightness with water sprayed on using adequate pressure. If in the opinion of the principal agent, the pressure proves to be inadequate, then the pressure shall be boosted by means of compressed air or other approved means  F:..... V:..... T:.....	Item		
85	Allow for all compulsory health and safety files that must be completed daily and must be handed to the employer on completion of the contract  F:..... V:..... T:.....	Item		
86	Scope of Application as per Act No 85 of 1993  F:..... V:..... T:.....	Item		
87	Notification of Construction Work as per Act No 85 of 1993  F:..... V:..... T:.....	Item		
88	Employer's responsibilities as per Act No 85 of 1993  F:..... V:..... T:.....	Item		
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89	Principal Contractor's responsibility as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
90	Supervision of construction work as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
91	Risk assessment per Act No 85 of 1993 F:..... V:..... T:.....	Item		
92	Fall protection as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
93	Structural Formwork and Support as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
94	Excavation as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
95	Demolition work as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
96	Tunnelling as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
97	Scaffolding as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
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98	Suspended platforms as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
99	Botswains chairs as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
100	Materials hoists as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
101	Batch plant as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
102	Explosive powered tools as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
103	Cranes as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
104	Construction vehicles and mobile plant as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
105	Electrical installations and machinery on construction sites as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
106	Use and temporary storage of flammable liquids on construction sites as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
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107	Water environments as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
108	Housekeeping on construction sites as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
109	<b>Testing of flat roof waterproofing for watertightness</b>  Flat roof waterproof areas shall be prepared with small sand dykes around them of a size and enclosing an area approved by the principal agent, flooded with water and kept "ponded" for at least 36 hours as a test to ensure the watertightness of the waterproofing and before any further construction work is carried out above the waterproofing  F:..... V:..... T:.....	Item		
110	Stacking and storage on construction sites as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
111	Fire precautions as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
112	Construction welfare as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
113	Approved inspection Authorities as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
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114	<p>Offences and penalties as per Act No 85 of 1993</p> <p>F:..... V:..... T:.....</p>	Item		
115	<p>Repeal of regulations as per Act No 85 of 1993</p> <p>F:..... V:..... T:.....</p>	Item		
116	<p>Short title as per Act No 85 of 1993</p> <p>F:..... V:..... T:.....</p>	Item		
117	<p>Obligatory Sub-contracting and training</p> <p>F:..... V:..... T:.....</p> <p>The contractor shall sub-contract 40% of the work to Domestic Sub-contractors as listed in the Schedule of Sub-contractors in the Returnable Schedules</p> <p>The principal Agent and the Contractor shall at all times make sure that the work complies with the relevant specifications, standards and norms as contained in this tender.</p> <p>The Principal Agent and the Contractor shall provide shall for the necessary skills transfer and assistance to complete the sub-contracted section of the works.</p> <p>The Principal Agent and the Contractor shall provide the necessary documentation to the Domestic Sub-Contracyor for upgrading of the rating by CIDB.</p> <p>BEE Sub-Contractors must be 100% black owned and have offices in Mpumalanga Province</p>	Item		
<p style="text-align: right;"><b>Carried to Collection</b></p> <p>Section No. 1 Bill No. 1 Preliminaries <b>Refurbishment to Saselani Primary school</b></p>			R	

118	Expanded Public Works Programme  F:..... V:..... T:.....  The Contractor shall study the guidelines for the implementation of labour-intensive infrastructure projects under the Expanded Public Works Programme (EPWP) attached to this document. The contractor shall take note of the requirements and inform all selected and other sub-contractors, as no claim afterwards will be entertained	Item		
119	Local and targeted labour  F:..... V:..... T:.....	Item		
120	Allow for regular submission of proof of employment of local skilled and unskilled labour to Employer's representative  F:..... V:..... T:.....	Item		
121	Training allowance paid to targeted labour in respect of formal training  F:..... V:..... T:.....	Item		
122	Extra over for the submission of payment of training allowances to targeted labour  F:..... V:..... T:.....	Item		
123	Transport and accommodation of workers for training where it is not possible to undertake the training in close proximity to the site  F:..... V:..... T:.....	Item		
124	Contract Drawings  F:..... V:..... T:.....	Item		
<b>Carried to Collection</b>			R	
Section No. 1 Bill No. 1 Preliminaries <b>Refurbishment to Saselani Primary school</b>				



125	<p>The drawings issued with the tender documents do not comprise the complete set but serve as a guide only for tendering purposes and for indicating the scope of the work to enable the tenderer to acquaint himself with the nature and extent of the works and the manner in which they are to be executed</p> <p>Should any part of the drawings not be clearly understood by the tenderer he shall, before submitting his tender, obtain clarification in writing from the principal agent</p> <p>F:..... V:..... T:.....</p>	Item		
126	<p>C13: General Preambles</p> <p>F:..... V:..... T:.....</p>	Item		
127	<p>C14: Trade names</p> <p>F:..... V:..... T:.....</p> <p>Wherever a trade name form any product has been described in the bills of quantities/ lump sum document, the tenderer's attention is drawn to the fact that any other product of equal quality may be used subject to the written approval of the principal agent being obtained prior to the closing date for submission of tenders</p> <p>If prior written approval for an alternative product is not obtained, the product described shall be deemed to have been tendered for</p>	Item		
128	<p>C15: Community Liaison Officer</p> <p>F:..... V:..... T:.....</p>	Item		
129	<p>Allow for a Community Liaison Officer (CLO) to be appointed</p> <p>F:..... V:..... T:.....</p>	Item		
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<p>Section No. 1 Bill No. 1 Preliminaries <b>Refurbishment to Saselani Primary school</b></p>				

130	Allow for net extra cost involved in the employment of a Community Liaison Officer (CLO) in respect of the site office  F:..... V:..... T:.....	Item		
131	Allow for net extra cost involved in the employment of a Community Liaison Officer (CLO) in respect of the toilets  F:..... V:..... T:.....	Item		
132	Allow for net extra cost involved in the employment of a Community Liaison Officer (CLO) in respect of the sheds  F:..... V:..... T:.....	Item		
133	C16: SANS 1921-6: HIV/AIDS Awareness read in conjunction with the Associated Specification Data  F:..... V:..... T:.....	Item		
134	General requirements ( Clause 4.1)  F:..... V:..... T:.....	Item		
135	HIV/AIDS awareness programme (Clause 4.2)  F:..... V:..... T:.....	Item		
136	Reporting (Clause 4.3)  F:..... V:..... T:.....	Item		
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Section No. 1 Bill No. 1 Preliminaries <b>Refurbishment to Saselani Primary school</b>				

**SUMMARY OF CATEGORIES**

Category : Fixed R.....

Category : Value R.....

Category : Time R.....

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**Refurbishment to Saselani Primary school**

Section No. 1

Bill No. 1

Preliminaries

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**Refurbishment to Saselani Primary school**

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**Refurbishment to Saselani Primary school**

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Section No. 3

Bill No. 1

Alterations

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Section No. 3

Bill No. 1

Alterations

**Refurbishment to Saselani Primary school**

Item No	Quantity	Rate	Amount
<b><u>BILL NO 2</u></b>			
<b><u>CONCRETE, FORMWORK AND REINFORCEMENT</u></b>			
<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
<b><u>Cost of tests</u></b>			
The costs of making, storing and testing of concrete test cubes as required under clause 7 "Tests" of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the 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)			
<b><u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u></b>			
<b><u>APRONS</u></b>			
<b><u>EXCAVATION, FILLING, ETC</u></b>			
<b><u>Open face excavation in earth over sloping site</u></b>			
1	Open face excavation	m3	11
<b><u>Extra over all excavations for carting away</u></b>			
2	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	11
<b><u>Compaction of surfaces</u></b>			
3	Compaction of ground surface under floors etc by wetting and compacting with ? passes of a ? ton vibratory roller	m2	73
<b><u>SOIL POISONING</u></b>			
<b>Carried to Collection</b>			R
Section No. 3 Bill No. 2 Concrete, Formwork and Reinforcement <b>Refurbishment to Saselani Primary school</b>			

	<b><u>Soil insecticide</u></b>				
4	Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m2	73		
	<b><u>15MPa/19mm concrete</u></b>				
5	Surface beds cast in panels on waterproofing	m3	7		
	<b><u>TEST BLOCKS</u></b>				
6	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	5		
	<b><u>Finishing top surfaces of concrete smooth with a wood float</u></b>				
7	Surface beds, slabs, etc to falls	m2	73		
	<b><u>ROUGH FORMWORK (DEGREE OF ACCURACY II)</u></b>				
8	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	82		
	<b><u>MOVEMENT JOINTS ETC</u></b>				
	<b><u>Expansion joints with 12mm softboard between vertical concrete surfaces</u></b>				
9	10mm Joints not exceeding 300mm high	m	24		
	<b><u>REINFORCEMENT</u></b>				
	<b><u>Fabric reinforcement</u></b>				
10	Type ref193 fabric reinforcement in concrete surface beds, slabs, etc	m2	73		
<b>Carried to Collection</b>					R
Section No. 3 Bill No. 2 Concrete, Formwork and Reinforcement <b>Refurbishment to Saselani Primary school</b>					

Section No. 3  
Bill No. 2  
Concrete, Formwork and Reinforcement

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Bill No. 2  
Concrete, Formwork and Reinforcement  
**Refurbishment to Saselani Primary school**

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Item No		Quantity	Rate	Amount
<b><u>BILL -NO 4</u></b>				
<b><u>ROOF COVERINGS ETC</u></b>				
<b><u>PROFILED METAL SHEETING AND ACCESSORIES</u></b>				
<b><u>User note:</u></b>				
Supplementary preambles in connection with fixing of sheeting and accessories and laps are to be inserted when the Model Preambles for Trades (or other preambles not covering the fixing of sheeting and accessories and laps) are used				
When the pitch of troughed roof covering is less than 5 degrees or if dustproofing is required then the description of roof coverings "with side laps sealed" is to be used				
Where roof coverings are fixed on top of rigid board insulation to purlins etc descriptions of roof coverings are to include therefore				
Note that sheeting is also available in corten steel, stainless steel, copper and aluminium				
<b><u>0.6mm Thick light industrial "colomet"IBR profile steel roof sheeting pre painted fixed to timber purlins at approximately 750mm centres according to engineers detail</u></b>				
1	Roof covering with pitch not exceeding 25 degrees	m2	501	
2	Ridge capping 1.2mm girth	m	38	
3	Narrow and broad flute closers	m	69	
<b><u>ROOF AND WALL INSULATION</u></b>				
<b>Carried to Collection</b>				
Section No. 3 Bill No. 4 Roof Coverings <b>Refurbishment to Saselani Primary school</b>				

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Section No. 3

Bill No. 4

Roof Coverings

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Section No. 3

Bill No. 4

Roof Coverings

**Refurbishment to Saselani Primary school**

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Item No		Quantity	Rate	Amount
	<b>BILL NO 5</b>			
	<b><u>IRONMONGERY</u></b>			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
	<b><u>Finishes to ironmongery</u></b>			
	Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list: BS Satin bronze lacquered CH Chromium plated SC Satin chromium plated SE Silver enamelled GE Grey enamelled AS Anodised silver AB Anodised bronze AG Anodised gold ABL Anodised black PB Polished brass PL Polished and lacquered PT Epoxy coated SD Sanded			
	<b><u>LOCKS</u></b>			
1	75mm four lever lockset with striking plate fixed to metal	No	10	
	<b><u>HANDLES</u></b>			
	<b><u>"Union"</u></b>			
2	63mm Brass pull handle	No	10	
	<b><u>PINNING BOARDS, WRITING BOARDS, PROJECTION SCREENS, ETC</u></b>			
	<b><u>"Parrot products"</u></b>			
3	"BD0476" 2 400 x 1 200mm Aluminium framed carpet bulletin board	No	5	
	<b><u>WINDOW FURNITURE ALLOWANCE</u></b>			
4	Allow a provisional sum of R 5000-00 for missing , broken window furniture			
			SUM	
			R	
	<b>Carried Forward to Summary of Section No. 3</b>			
	Section No. 3 Bill No. 5 Ironmongery <b>Refurbishment to Saselani Primary school</b>			

Item No	Quantity	Rate	Amount
<b><u>BILL NO 6</u></b>			
<b><u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u></b>			
<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
<b><u>Descriptions:</u></b>			
Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins or 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 600mm centres, and where described as "bolted" the bolts have been given elsewhere			
<b><u>CEILINGS ETC</u></b>			
<b><u>NAILED UP CEILINGS</u></b>			
<b><u>6.4mm "Rhino" gypsum plasterboard with "Bischoff" H-type pressed steel jointing strips</u></b>			
1	Ceilings including 38 x 38mm sawn softwood bandering at 300mm centres	m2	304
2	Extra over gypsum plasterboard ceiling for hinged pressed metal trap door size 600 x 600mm including all necessary ironmongery	No	3
<b><u>Sawn Softwood</u></b>			
3	38 x 38mm Trimmers around light fittings (elsewhere)	m	10
4	38 x 38mm Hangers	m	10
5	38 x 76mm Runners	m	860
6	38 x 114mm Ceiling joists	m	5
<b>Carried to Collection</b>			R
Section No. 3 Bill No. 6 Ceilings <b>Refurbishment to Saselani Primary school</b>			

### "Aerolite" insulation

7	50mm Insulation closely fitted and laid on top of brandering between roof timbers etc
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m2

304

### "Rhino" gypsum plasterboard cornices

## CORNICES

8	75mm Coved cornices
---	---------------------

m

145

## Carried to Collection

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Section No. 3  
Bill No. 6  
Ceilings

## Refurbishment to Saselani Primary school

Section No. 3

Bill No. 6

Ceilings

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Section No. 3

Bill No. 6

Ceilings

**Refurbishment to Saselani Primary school**

**BILL NO. 7**

## PLASTERING

Unless otherwise stated all items in this bill shall be deemed to fall into Work Group No. 142 for JBCC CPAP purposes

(3:1) Cement screeds to concrete

33mm Thick

1 | On floors to receive ceramic tiles (elsewhere)

m2

243

**Carried Forward to Summary of Section No. 3**

Section No. 3

Bill No. 7

## Plastering

### Refurbishment to Saselani Primary school

Item No		Quantity	Rate	Amount
	<b><u>BILL NO 8</u></b>			
	<b><u>TILING</u></b>			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
	<b><u>Descriptions</u></b>			
	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			
	<b><u>WALL TILING</u></b>			
	<b><u>152 x 152 x 5mm White glazed ceramic tiles on brickwork including cement plaster ? backing</u></b>			
1	On walls	m2		
	<b><u>FLOOR TILING</u></b>			
	<b><u>250 x 250 x 22mm Non-slip terrazzo floor tiles fixed with adhesive to bedding (bedding elsewhere) and flush pointed with tinted waterproof jointing compound</u></b>			
2	On floors and landings	m2	243	
3	Skirting 75mm high	m	145	
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	Section No. 3			
	Bill No. 8			
	Tiling			
	<b>Refurbishment to Saselani Primary school</b>			

### Refurbishment to Saselani Primary school

Item No	Quantity	Rate	Amount
<b><u>BILL NO 9</u></b>			
<b><u>PAINTWORK</u></b>			
<b><u>PREPARATORY WORK TO EXISTING WORK</u></b>			
<b><u>Previously painted plastered surfaces</u></b>			
Surfaces shall be thoroughly washed down and allowed to dry completely before any paint is applied. Blistered or peeling paint shall be completely removed and cracks shall be opened, filled with a suitable filler and finished smooth			
<b><u>Previously painted metal surfaces</u></b>			
Surfaces shall be thoroughly rubbed and cleaned down. Blistered or peeling paint shall be completely removed down to bare metal			
<b><u>Previously painted wood surfaces</u></b>			
Surfaces shall be thoroughly cleaned down. Blistered or peeling paint shall be completely removed and cracks and crevices shall be primed, filled with suitable filler and finished smooth			
<b><u>PAINTWORK ETC TO PREVIOUSLY PAINTED WORK</u></b>			
<b><u>ON FLOATED PLASTER</u></b>			
<b><u>Paint on plaster, etc.</u></b>			
<u>One undercoat and two coats "Plascon Double Velvet" or similar approved paint</u>			
1	On external plastered walls	m2	157
2	On internal plastered walls	m2	303
<b><u>ON PLASTER BOARD</u></b>			
<b>Carried to Collection</b>			R
Section No. 3 Bill No. 10 Paintwork <b>Refurbishment to Saselani Primary school</b>			



	<u>Prepare, stop and apply one coat alkali resistant pure acrylic filler coat and one full coat washable mat acrylic PVA paint</u>				
3	On internal plastered board ceilings	m2	304		
	<b><u>ON FIBRE-CEMENT</u></b>				
	<u>Prepare, stop and apply one coat alkali resistant primer and two full coats acrylic emulsion paint for exterior use</u>				
4	On external fibre-cement fascias and bargeboards including priming metal cover strips and screw heads with one coat zinc phosphate alkyd resin primer	m2	77		
	<b><u>ON METAL</u></b>				
	<b><u>Paint on metal</u></b>				
	<b><u>Spot priming bare metal surfaces with zinc chromate primer an applying one undercoat and ? coat/coats ? alkyd enamel paint in colours which have a value of 7 or less on the Munsell system in accordance with SABS 1091 on previously painted steel in bad condition</u></b>				
5	On corrugated iron roof sheeting (measured on flat)	m2	501		
6	On ? profile troughed/ribbed roof sheeting (measured on flat)	m2			
	<u>Prepare, touch up factory primer and apply one coat universal undercoat and two full coats high gloss enamel paint</u>				
7	On pressed steel door frames	m2	7		
8	On Mild steel window frames	m2	61		
9	On sashes and frames with burglar bars (both sides measured)	m2	61		
	<u>Prepare and apply one coat zinc phosphate alkyd resin primer, one coat universal undercoat and two full coats high gloss enamel paint</u>				
10	On grille gates and screens (both sides measured on flat)	m2	13		
<b>Carried to Collection</b>				R	
Section No. 3					
Bill No. 10					
Paintwork					
<b>Refurbishment to Saselani Primary school</b>					

**ON WOOD**

**Paint on wood**

Prepare, stop and apply three full coats polyurethane clear eggshell varnish, lightly sanded down between coats

11	On general surfaces of doors	m2	13
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**Wood preservative**

12	Two coats wood preservative applied hot on wrought exposed roof timbers	m2	5
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**Carried to Collection**

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Bill No. 10  
Paintwork  
**Refurbishment to Saselani Primary school**

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Section No. 3

Bill No. 10

Paintwork

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Bill No. 10

Paintwork

**Refurbishment to Saselani Primary school**

## **SECTION SUMMARY - SECTION - 2 FIVE CLASSROOM BLOCK 1**

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1	Alterations
2	Concrete, Formwork and Reinforcement
3	Carpentry and Joinery
4	Roof Coverings
5	Ironmongery
6	Ceilings
7	Plastering
8	Tiling
9	Glazing
0	Paintwork

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**Refurbishment to Saselani Primary school**

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Item No		Quantity	Rate	Amount
<b>BILL NO 1</b>				
<b><u>ALTERATIONS</u></b>				
<b><u>ALTERATIONS</u></b>				
<b><u>Taking out and removing doors, windows, etc from steel door frames</u></b>				
1	Timber single door and frame 813 x 2032mm high	No	4	
<b><u>Taking down and removing roof sheets and purlins, floors, panelling, ceilings, partitions, etc</u></b>				
2	Corrugated iron roof covering and timber purlins	m2	501	
3	Gypsum plasterboard ceilings including cornices, timber brandering, etc	m2		
<b><u>Taking out and removing sundry joinery work</u></b>				
4	Timber skirtings from brickwork	m	117	
<b><u>Taking up and removing vinyl floor coverings, carpeting, etc</u></b>				
5	Vinyl tile floor covering including preparing screed for new tiling	m2	243	
<b><u>Hacking up/off and removing granolithic, screeds, plaster, etc from concrete or brickwork and preparing surfaces for new screeds, plaster, etc</u></b>				
6	Screed from floors	m2	243	
7	Internal plaster from walls and columns	m2	146	
8	External plaster from walls, columns and beams	m2	160	
<b><u>Making good internal cement plaster</u></b>				
9	Walls in patches	m2	305	
			R	
<b>Carried to Collection</b>				
Section No. 4 Bill No. 1 Alterations <b>Refurbishment to Saselani Primary school</b>				

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Section No. 4

Bill No. 1

Alterations

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Section No. 4

Bill No. 1

Alterations

**Refurbishment to Saselani Primary school**

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	<b><u>Soil insecticide</u></b>				
4	Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m2	73		
	<b><u>15MPa/19mm concrete</u></b>				
5	Surface beds cast in panels on waterproofing	m3	7		
	<b><u>TEST BLOCKS</u></b>				
6	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	5		
	<b><u>Finishing top surfaces of concrete smooth with a wood float</u></b>				
7	Surface beds, slabs, etc to falls	m2	73		
	<b><u>ROUGH FORMWORK (DEGREE OF ACCURACY II)</u></b>				
8	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	82		
	<b><u>MOVEMENT JOINTS ETC</u></b>				
	<b><u>Expansion joints with 12mm softboard between vertical concrete surfaces</u></b>				
9	10mm Joints not exceeding 300mm high	m	24		
	<b><u>REINFORCEMENT</u></b>				
	<b><u>Fabric reinforcement</u></b>				
10	Type ref193 fabric reinforcement in concrete surface beds, slabs, etc	m2	73		
<b>Carried to Collection</b>					R
Section No. 4 Bill No. 2 Concrete, Formwork and Reinforcement <b>Refurbishment to Saselani Primary school</b>					

Section No. 4

Bill No. 2

Concrete, Formwork and Reinforcement

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Section No. 4

Bill No. 2

Concrete, Formwork and Reinforcement

**Refurbishment to Saselani Primary school**

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Item No		Quantity	Rate	Amount
	<b>BILL NO 3</b>			
	<b>CARPENTRY AND JOINERY</b>			
	<b>SUPPLEMENTARY PREAMBLES</b>			
	<b>ROOFS ETC</b>			
	<b>Sawn softwood</b>			
1	76 x 50mm Purlins	m	1 752	
	<b>"Everite FC77" pressed fibre-cement</b>			
2	225 x 15mm Fascias and barge boards including galvanised steel H-profile jointing strips	m	117	
	<b>SKIRTINGS</b>			
3	19 x 75mm Skirting nailed	m	117	
	<b>DOORS ETC</b>			
	<b>Wrought meranti doors hung to steel frames</b>			
4	40mm Framed door 813 x 2032mm high Framed,ledged and braced batten door formed of 40 x 110mm stiles and top rail, 20 x 225mm bottom ledge, 20 x 150mm middle ledge and 20 x 110mm diagonal braces, filled in flush one side with 20 x 75mm tongued, grooved and v-jointed both sides vertical boarding fixed in and including grooves in stiles and top rail	No	5	
	<b>Wrought softwood doors hung to steel frames</b>			
	<b>"?" solid laminated flush doors with ? veneer</b>			
5	40mm Door 813 x 2032mm high	No	5	
	<b>Carried Forward to Summary of Section No. 4</b>		R	
	Section No. 4 Bill No. 3 Carpentry and Joinery <b>Refurbishment to Saselani Primary school</b>			

Item No		Quantity	Rate	Amount
<b><u>BILL -NO 4</u></b>				
<b><u>ROOF COVERINGS ETC</u></b>				
<b><u>PROFILED METAL SHEETING AND ACCESSORIES</u></b>				
<b><u>User note:</u></b>				
Supplementary preambles in connection with fixing of sheeting and accessories and laps are to be inserted when the Model Preambles for Trades (or other preambles not covering the fixing of sheeting and accessories and laps) are used				
When the pitch of troughed roof covering is less than 5 degrees or if dustproofing is required then the description of roof coverings "with side laps sealed" is to be used				
Where roof coverings are fixed on top of rigid board insulation to purlins etc descriptions of roof coverings are to include therefore				
Note that sheeting is also available in corten steel, stainless steel, copper and aluminium				
<b><u>0.6mm Thick light industrial "colomet"IBR profile steel roof sheeting pre painted fixed to timber purlins at approximately 750mm centres according to engineers detail</u></b>				
1	Roof covering with pitch not exceeding 25 degrees	m2	501	
2	Ridge capping 1.2mm girth	m	38	
3	Narrow and broad flute closers	m	69	
<b><u>ROOF AND WALL INSULATION</u></b>				
<b>Carried to Collection</b>				
Section No. 4 Bill No. 4 Roof Coverings <b>Refurbishment to Saselani Primary school</b>				

<b><u>"Sisalation 410" housing grade glass fibre reinforced aluminium foil bonded insulation</u></b>				
4	Insulation laid taut over rafters and fixed concurrent with tiling battens, purlins, etc	m2	501	
Carried to Collection				R
Section No. 4 Bill No. 4 Roof Coverings Refurbishment to Saselani Primary school				

Section No. 4

Bill No. 4

Roof Coverings

**COLLECTION**

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**Page  
No**

60

61

**Amount**

**Carried Forward to Summary of Section No. 4**

Section No. 4

Bill No. 4

Roof Coverings

**Refurbishment to Saselani Primary school**

R

[illegible]

Item No		Quantity	Rate	Amount
<b><u>BILL NO 6</u></b>				
<b><u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u></b>				
<b><u>SUPPLEMENTARY PREAMBLES</u></b>				
<b><u>Descriptions:</u></b>				
Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins or 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 600mm centres, and where described as "bolted" the bolts have been given elsewhere				
<b><u>CEILINGS ETC</u></b>				
<b><u>NAILED UP CEILINGS</u></b>				
<b><u>6.4mm "Rhino" gypsum plasterboard with "Bischoff" H-type pressed steel jointing strips</u></b>				
1	Ceilings including 38 x 38mm sawn softwood bandering at 300mm centres	m2	304	
2	Extra over gypsum plasterboard ceiling for hinged pressed metal trap door size 600 x 600mm including all necessary ironmongery	No	3	
<b><u>Sawn Softwood</u></b>				
3	38 x 38mm Trimmers around light fittings (elsewhere)	m	10	
4	38 x 38mm Hangers	m	10	
5	38 x 76mm Runners	m	860	
6	38 x 114mm Ceiling joists	m	5	
<b>Carried to Collection</b>				R
Section No. 4 Bill No. 6 Ceilings <b>Refurbishment to Saselani Primary school</b>				



### "Aerolite" insulation

7	50mm Insulation closely fitted and laid on top of brandering between roof timbers etc
---	--

m2

304

### "Rhino" gypsum plasterboard cornices

## CORNICES

8	75mm Coved cornices
---	---------------------

m

145

## Carried to Collection

R

Section No. 4  
Bill No. 6  
Ceilings

## Refurbishment to Saselani Primary school

Section No. 4

Bill No. 6

Ceilings

**COLLECTION**

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**Amount**

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Section No. 4

Bill No. 6

Ceilings

**Refurbishment to Saselani Primary school**

R

Item No	Quantity	Rate	Amount
<b><u>BILL NO. 7</u></b>			
<b><u>PLASTERING</u></b>			
Unless otherwise stated all items in this bill shall be deemed to fall into Work Group No. 142 for JBCC CPAP purposes			
<u>(3:1) Cement screeds to concrete</u>			
<u>33mm Thick</u>			
1	On floors to receive ceramic tiles (elsewhere)	m2	243
Carried Forward to Summary of Section No. 4			R
Section No. 4			
Bill No. 7			
Plastering			
Refurbishment to Saselani Primary school			

Item No	Quantity	Rate	Amount
<b><u>BILL NO 8</u></b>			
<b><u>TILING</u></b>			
<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
<b><u>Descriptions</u></b>			
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			
<b><u>WALL TILING</u></b>			
<b><u>152 x 152 x 5mm White glazed ceramic tiles on brickwork including cement plaster ? backing</u></b>			
1	On walls	m2	
<b><u>FLOOR TILING</u></b>			
<b><u>250 x 250 x 22mm Non-slip terrazzo floor tiles fixed with adhesive to bedding (bedding elsewhere) and flush pointed with tinted waterproof jointing compound</u></b>			
2	On floors and landings	m2	243
3	Skirting 75mm high	m	145
Carried Forward to Summary of Section No. 4			R
Section No. 4			
Bill No. 8			
Tiling			
Refurbishment to Saselani Primary school			

### Refurbishment to Saselani Primary school

Item No	Quantity	Rate	Amount
<b><u>BILL NO 9</u></b>			
<b><u>PAINTWORK</u></b>			
<b><u>PREPARATORY WORK TO EXISTING WORK</u></b>			
<b><u>Previously painted plastered surfaces</u></b>			
Surfaces shall be thoroughly washed down and allowed to dry completely before any paint is applied. Blistered or peeling paint shall be completely removed and cracks shall be opened, filled with a suitable filler and finished smooth			
<b><u>Previously painted metal surfaces</u></b>			
Surfaces shall be thoroughly rubbed and cleaned down. Blistered or peeling paint shall be completely removed down to bare metal			
<b><u>Previously painted wood surfaces</u></b>			
Surfaces shall be thoroughly cleaned down. Blistered or peeling paint shall be completely removed and cracks and crevices shall be primed, filled with suitable filler and finished smooth			
<b><u>PAINTWORK ETC TO PREVIOUSLY PAINTED WORK</u></b>			
<b><u>ON FLOATED PLASTER</u></b>			
<b><u>Paint on plaster, etc.</u></b>			
<u>One undercoat and two coats "Plascon Double Velvet" or similar approved paint</u>			
1	On external plastered walls	m2	157
2	On internal plastered walls	m2	303
<b><u>ON PLASTER BOARD</u></b>			
<b>Carried to Collection</b>			R
Section No. 4 Bill No. 10 Paintwork <b>Refurbishment to Saselani Primary school</b>			

	<u>Prepare, stop and apply one coat alkali resistant pure acrylic filler coat and one full coat washable mat acrylic PVA paint</u>				
3	On internal plastered board ceilings	m2	304		
	<b><u>ON FIBRE-CEMENT</u></b>				
	<u>Prepare, stop and apply one coat alkali resistant primer and two full coats acrylic emulsion paint for exterior use</u>				
4	On external fibre-cement fascias and bargeboards including priming metal cover strips and screw heads with one coat zinc phosphate alkyd resin primer	m2	77		
	<b><u>ON METAL</u></b>				
	<b><u>Paint on metal</u></b>				
	<b><u>Spot priming bare metal surfaces with zinc chromate primer an applying one undercoat and ? coat/coats ? alkyd enamel paint in colours which have a value of 7 or less on the Munsell system in accordance with SABS 1091 on previously painted steel in bad condition</u></b>				
5	On corrugated iron roof sheeting (measured on flat)	m2	501		
6	On ? profile troughed/ribbed roof sheeting (measured on flat)	m2			
	<u>Prepare, touch up factory primer and apply one coat universal undercoat and two full coats high gloss enamel paint</u>				
7	On pressed steel door frames	m2	7		
8	On Mild steel window frames	m2	61		
9	On sashes and frames with burglar bars (both sides measured)	m2	61		
	<u>Prepare and apply one coat zinc phosphate alkyd resin primer, one coat universal undercoat and two full coats high gloss enamel paint</u>				
10	On grille gates and screens (both sides measured on flat)	m2	13		
<b>Carried to Collection</b>				R	
Section No. 4					
Bill No. 10					
Paintwork					
<b>Refurbishment to Saselani Primary school</b>					

**ON WOOD**

**Paint on wood**

Prepare, stop and apply three full coats polyurethane clear eggshell varnish, lightly sanded down between coats

11	On general surfaces of doors	m2	13
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**Wood preservative**

12	Two coats wood preservative applied hot on wrought exposed roof timbers	m2	5
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**Carried to Collection**

R

Section No. 4  
Bill No. 10  
Paintwork  
**Refurbishment to Saselani Primary school**



Section No. 4

Bill No. 10

Paintwork

**COLLECTION**

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**Amount**

**Carried Forward to Summary of Section No. 4**

R

Section No. 4

Bill No. 10

Paintwork

**Refurbishment to Saselani Primary school**

## SECTION SUMMARY - SECTION -3 FIVE CLASSROOMS BLOCK 2

**Page**  
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Amount

1	Alterations	55
2	Concrete, Formwork and Reinforcement	58
3	Carpentry and Joinery	59
4	Roof Coverings	62
5	Ironmongery	63
6	Ceilings	66
7	Plastering	67
8	Tiling	68
9	Glazing	69
10	Paintwork	73

**Carried to Final Summary**

Section No. 4  
**Refurbishment to Saselani Primary school**

R

Item No		Quantity	Rate	Amount
	<b>BILL NO 1</b>			
	<b><u>ALTERATIONS</u></b>			
	<b><u>ALTERATIONS</u></b>			
	<b><u>Taking out and removing doors, windows, etc from steel door frames</u></b>			
1	Timber single door and frame 813 x 2032mm high	No	4	
	<b><u>Taking down and removing roof sheets and purlins, floors, panelling, ceilings, partitions, etc</u></b>			
2	Corrugated iron roof covering and timber purlins	m2	417	
3	Gypsum plasterboard ceilings including cornices, timber bandering, etc	m2	255	
	<b><u>Taking out and removing sundry joinery work</u></b>			
4	Timber skirtings from brickwork	m	117	
	<b><u>Taking up and removing vinyl floor coverings, carpeting, etc</u></b>			
5	Vinyl tile floor covering including preparing screed for new tiling	m2	194	
	<b><u>Hacking up/off and removing granolithic, screeds, plaster, etc from concrete or brickwork and preparing surfaces for new screeds, plaster, etc</u></b>			
6	Screed from floors	m2	194	
	<b><u>Taking out and removing glass and mirrors</u></b>			
7	Glass from steel windows including cleaning out rebates and preparing for new glass	m2	6	
	<b>Carried Forward to Summary of Section No. 5</b>		R	
	Section No. 5 Bill No. 1 Alterations <b>Refurbishment to Saselani Primary school</b>			

Item No	Quantity	Rate	Amount
<b><u>BILL NO 2</u></b>			
<b><u>CONCRETE, FORMWORK AND REINFORCEMENT</u></b>			
<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
<b><u>Cost of tests</u></b>			
The costs of making, storing and testing of concrete test cubes as required under clause 7 "Tests" of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the 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)			
<b><u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u></b>			
<b><u>APRONS</u></b>			
<b><u>EXCAVATION, FILLING, ETC</u></b>			
<b><u>Open face excavation in earth over sloping site</u></b>			
1	Open face excavation	m3	12
<b><u>Extra over all excavations for carting away</u></b>			
2	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	12
<b><u>Compaction of surfaces</u></b>			
3	Compaction of ground surface under floors etc by wetting and compacting with ? passes of a ? ton vibratory roller	m2	83
<b><u>SOIL POISONING</u></b>			
<b>Carried to Collection</b>			R
Section No. 5 Bill No. 2 Concrete, Formwork and Reinforcement <b>Refurbishment to Saselani Primary school</b>			

	<b><u>Soil insecticide</u></b>				
4	Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m2	83		
	<b><u>15MPa/19mm concrete</u></b>				
5	Surface beds cast in panels on waterproofing	m3	8		
	<b><u>TEST BLOCKS</u></b>				
6	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	5		
	<b><u>Finishing top surfaces of concrete smooth with a wood float</u></b>				
7	Surface beds, slabs, etc to falls	m2	83		
	<b><u>ROUGH FORMWORK (DEGREE OF ACCURACY II)</u></b>				
8	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	92		
	<b><u>MOVEMENT JOINTS ETC</u></b>				
	<b><u>Expansion joints with ? softboard between vertical concrete surfaces</u></b>				
9	10mm Joints not exceeding 300mm high	m	28		
	<b><u>REINFORCEMENT</u></b>				
	<b><u>Fabric reinforcement</u></b>				
10	Type ref193 fabric reinforcement in concrete surface beds, slabs, etc	m2	83		
<b>Carried to Collection</b>					R
Section No. 5 Bill No. 2 Concrete, Formwork and Reinforcement <b>Refurbishment to Saselani Primary school</b>					

Section No. 5

Bill No. 2

Concrete, Formwork and Reinforcement

**COLLECTION**

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**Amount**

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Section No. 5

Bill No. 2

Concrete, Formwork and Reinforcement

**Refurbishment to Saselani Primary school**

### Refurbishment to Saselani Primary school

Item No		Quantity	Rate	Amount
<b><u>BILL NO 4</u></b>				
<b><u>ROOF COVERINGS ETC</u></b>				
<b><u>PROFILED METAL SHEETING AND ACCESSORIES</u></b>				
<b><u>User note:</u></b>				
Supplementary preambles in connection with fixing of sheeting and accessories and laps are to be inserted when the Model Preambles for Trades (or other preambles not covering the fixing of sheeting and accessories and laps) are used				
When the pitch of troughed roof covering is less than 5 degrees or if dustproofing is required then the description of roof coverings "with side laps sealed" is to be used				
Where roof coverings are fixed on top of rigid board insulation to purlins etc descriptions of roof coverings are to include therefore				
Note that sheeting is also available in corten steel, stainless steel, copper and aluminium				
<b><u>0.6mm Thick light industrial "colomet"IBR profile steel roof sheeting pre painted fixed to timber purlins at approximately 750mm centres according to engineers detail</u></b>				
1	Roof covering with pitch not exceeding 25 degrees	m2	471	
2	Ridge capping 1.2mm girth	m	34	
3	Narrow and broad flute closers	m	68	
<b><u>ROOF AND WALL INSULATION</u></b>				
<b>Carried to Collection</b>				
Section No. 5 Bill No. 4 Roof Coverings <b>Refurbishment to Saselani Primary school</b>				



**"Sisalation 410" housing grade glass fibre  
reinforced aluminium foil bonded insulation**

4    Insulation laid taut over rafters and fixed concurrent with  
      tiling battens, purlins, etc

m2

471

**Carried to Collection**

R

Section No. 5  
Bill No. 4  
Roof Coverings  
**Refurbishment to Saselani Primary school**

Section No. 5

Bill No. 4

Roof Coverings

**COLLECTION**

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**Amount**

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Section No. 5

Bill No. 4

Roof Coverings

**Refurbishment to Saselani Primary school**

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Item No		Quantity	Rate	Amount
<b>BILL NO 5</b>				
<b><u>IRONMONGERY</u></b>				
<b><u>SUPPLEMENTARY PREAMBLES</u></b>				
<b><u>Finishes to ironmongery</u></b>				
Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list: BS Satin bronze lacquered CH Chromium plated SC Satin chromium plated SE Silver enamelled GE Grey enamelled AS Anodised silver AB Anodised bronze AG Anodised gold ABL Anodised black PB Polished brass PL Polished and lacquered PT Epoxy coated SD Sanded				
<b><u>LOCKS</u></b>				
1	75mm four lever lockset with striking plate fixed to metal	No	7	
<b><u>HANDLES</u></b>				
<b><u>"Union"</u></b>				
2	63mm Brass pull handle	No	7	
<b><u>PINNING BOARDS, WRITING BOARDS, PROJECTION SCREENS, ETC</u></b>				
<b><u>"Parrot products"</u></b>				
3	"BD0476" 2 400 x 1 200mm Aluminium framed carpet bulletin board	No	2	
<b>Carried Forward to Summary of Section No. 5</b>				R
Section No. 5 Bill No. 5 Ironmongery <b>Refurbishment to Saselani Primary school</b>				

Item No	Quantity	Rate	Amount
<b><u>BILL NO 6</u></b>			
<b><u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u></b>			
<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
<b><u>Descriptions:</u></b>			
Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins or 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 600mm centres, and where described as "bolted" the bolts have been given elsewhere			
<b><u>CEILINGS ETC</u></b>			
<b><u>NAILED UP CEILINGS</u></b>			
<b><u>6.4mm "Rhino" gypsum plasterboard with "Bischoff" H-type pressed steel jointing strips</u></b>			
1	Ceilings including 38 x 38mm sawn softwood bandering at 300mm centres	m2	325
2	Extra over gypsum plasterboard ceiling for hinged pressed metal trap door size 600 x 600mm including all necessary ironmongery	No	2
<b><u>Sawn Softwood</u></b>			
3	38 x 38mm Trimmers around light fittings (elsewhere)	m	10
4	38 x 38mm Hangers	m	10
5	38 x 76mm Runners	m	1 206
6	38 x 114mm Ceiling joists	m	5
<b>Carried to Collection</b>			R
Section No. 5 Bill No. 6 Ceilings <b>Refurbishment to Saselani Primary school</b>			

### "Aerolite" insulation

7	50mm Insulation closely fitted and laid on top of brandering between roof timbers etc
---	--

m2

325

### "Rhino" gypsum plasterboard cornices

## CORNICES

8	75mm Coved cornices
---	---------------------

m

133

## Carried to Collection

R

Section No. 5  
Bill No. 6  
Ceilings

## Refurbishment to Saselani Primary school

Section No. 5

Bill No. 6

Ceilings

**COLLECTION**

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**Amount**

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Section No. 5

Bill No. 6

Ceilings

**Refurbishment to Saselani Primary school**

# BILL NO. 7

## PLASTERING

Unless otherwise stated all items in this bill shall be deemed to fall into Work Group No. 142 for JBCC CPAP purposes

(3:1) Cement screeds to concrete

33mm Thick

1	On floors to receive ceramic tiles (elsewhere)	m2	325
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**Carried Forward to Summary of Section No. 5**

Section No. 5

Bill No. 7

### Plastering

### Refurbishment to Saselani Primary school

## Refurbishment to Saselani Primary school



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-90-

	<u>Traps, etc. including joints to steel pipes and/or fittings unless otherwise described</u>				
	<b><u>Butyl Rubber</u></b>				
5	32-40mm Butyl rubber deep seal P or S trap	No			
	<u>WASTE UNIONS</u>				
	<b><u>"Cobra Watertech"</u></b>				
6	32mm "301" Basin waste union	No			
	<b><u>"Cobra Watertech"</u></b>				
7	15mm "059CP" Extension piece with sliding wall flange	No			
	<b><u>Sanitary Plumbing</u></b>				
	<u>uPVC pipes and fittings</u>				
8	50mm Pipe fixed to walls,etc.	m			
	<u>Extra over uPVC pipes for fittings</u>				
9	50mm Reducer	No			
10	50mm Bend	No			
	<b><u>Water Supply</u></b>				
	<u>Class O thin wall hard drawn copper pipes and fittings with capillary soldered type connections</u>				
11	15mm Pipes	m			
	<u>Extra over class O copper pipes for soldered capillary fittings</u>				
12	15mm Fittings	No			
				R	
<p style="text-align: center;"><b>Carried to Collection</b></p> <p>Section No. 5 Bill No. 10 Plumbing and Drainage <b>Refurbishment to Saselani Primary school</b></p>					

Section No. 5

Bill No. 10

Plumbing and Drainage

**COLLECTION**

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**Amount**

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Section No. 5

Bill No. 10

Plumbing and Drainage

**Refurbishment to Saselani Primary school**

R

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	<u>Prepare, stop and apply one coat alkali resistant pure acrylic filler coat and one full coat washable mat acrylic PVA paint</u>				
3	On internal plastered board ceilings	m2	325		
	<b><u>ON FIBRE-CEMENT</u></b>				
	<u>Prepare, stop and apply one coat alkali resistant primer and two full coats acrylic emulsion paint for exterior use</u>				
4	On external fibre-cement fascias and bargeboards including priming metal cover strips and screw heads with one coat zinc phosphate alkyd resin primer	m2	52		
	<b><u>ON METAL</u></b>				
	<b><u>Paint on metal</u></b>				
	<u>Prepare, touch up factory primer and apply one coat universal undercoat and two full coats high gloss enamel paint</u>				
5	On pressed steel door frames	m2	12		
6	On Mild steel window frames	m2	99		
7	On sashes and frames with burglar bars (both sides measured)	m2	99		
	<u>Prepare and apply one coat zinc phosphate alkyd resin primer, one coat universal undercoat and two full coats high gloss enamel paint</u>				
8	On grille gates and screens (both sides measured on flat)	m2	13		
	<b><u>ON WOOD</u></b>				
	<b><u>Paint on wood</u></b>				
	<u>Prepare, stop and apply three full coats polyurethane clear eggshell varnish, lightly sanded down between coats</u>				
9	On general surfaces of doors	m2	23		
<b>Carried to Collection</b>				R	
Section No. 5					
Bill No. 11					
Paintwork					
<b>Refurbishment to Saselani Primary school</b>					

10	<u>Wood preservative</u>				
	Two coats wood preservative applied hot on wrought exposed roof timbers	m2	5		
Carried to Collection					R
Section No. 5 Bill No. 11 Paintwork Refurbishment to Saselani Primary school					

Section No. 5

Bill No. 11

Paintwork

**COLLECTION**

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**Amount**

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R

Section No. 5

Bill No. 11

Paintwork

**Refurbishment to Saselani Primary school**



SECTION SUMMARY - SECTION 5- FOUR CLASSROOMS BLOCK 3					Amount
Bill No		Page No			
1	Alterations	75			
2	Concrete, Formwork and Reinforcement	78			
3	Carpentry and Joinery	79			
4	Roof Coverings	82			
5	Iroinmongery	83			
6	Ceilings	86			
7	Plastering	87			
8	Tiling	88			
9	Glazing	89			
10	Plumbing and Drainage	92			
11	Paintwork	96			
Carried to Final Summary					
Section No. 5					
Refurbishment to Saselani Primary school					

## **SECTION 9**

### PROVISIONAL SUMS

## FIXING OF CRACKS

1	Allow the sum as indicated for Fixing of cracks directed by the Principal Agent	Item	15 000.00
2	Allow the sum as indicated for replacing bricks directed by the Principal Agent	Item	15 000.00
3	Allow the sum as indicated for replacing fixing damaged roof trusses as directed by the Principal Agent	Item	45 000.00
4	Allow a provisional sum of R 10 000-00 for missing broken window furniture	Item	10 000.00
	Electrical Installation from part B of the BoQ		R 161 518.30

**Carried to Final Summary**

Section No. 6  
Bill No. 1  
Provisional Sums

### Refurbishment to Saselani Primary school

## FINAL SUMMARY

**Section  
No**

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Amount

1	SECTION 1 - PRELIMINARIES
2	SECTION 2 - DEMOLITIONS
3	SECTION - 2 FIVE CLASSROOM BLOCK 1
4	SECTION -3 FIVE CLASSROOMS BLOCK 2
5	SECTION 5- FOUR CLASSROOMS BLOCK 3
6	SECTION - 10 PROVISIONAL SUMS

29  
30  
52  
74  
97  
98

SUB-TOTAL (Excluding Contingencies and Value Added Tax)

R

Allow 2.5% of Sub-Total for Contingencies to be used as directed by the Principal Agent and deducted in whole or in part if not required

R

Allow the sum of R 60 000.00 (Sixty Thousand Rand)  
for CLO

R

45 000.00

SUB-TOTAL Including Value Added Tax (VAT)

R

ADD: Value Added Tax (VAT) calculated at the rate of 15%

R

**Carried to Form of Tender**  
**Refurbishment to Saselani Primary school**

R