

## SECTION A - FUNDOKUHLE HS BOQ

Amount

**SECTION NO. 1**  
**PRELIMINARIES**

**PRELIMINARIES**

All prices/rates to be nett, excluding Value Added Tax

**General**

The agreement is to be the JBCC Series 2000 Principal Building Agreement (Edition 4.1) prepared by the Joint Building Contracts Committee, March 2005

The preliminaries are to be the JBCC Series 2000 Preliminaries prepared by the Joint Building Contracts Committee, March 2005 edition and shall be deemed to be incorporated herein

Where there the standard clause or alternative are not entirely applicable to this contract such modifications, corrections or supplements as will apply are given under each relevant clause heading

Tenders are referred to the above mentioned documents for the full intent and meaning of each clause thereof (hereinafter referred to by heading and clause number only) for which such allowance must be made as may be considered necessary

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

If Alternative A as set out in clause B10.3 hereinafter is to be used for the adjustment of the preliminaries each item priced is to be allocated to one or more of the three categories, where "F" donated a fixed amount (amount not to be varied), "V" denotes an amount variable in proportion to value and "T" denotes an amount in proportion to time

Any reference to the word "Tender" or "Tenderer" herein and/or in any other documentation shall be construed to have the same meaning as the words "Bid" or "Bidder"

**SECTION A - PRINCIPAL BUILDING AGREEMENT**

**Definitions**

1 Clause 1.0 - Definitions and interpretation

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

[1.1] Replace the following in **DEFINITIONS AND INTERPRETATIONS** with the following wording:

**AGREEMENT** means the agreement arising from the signing of the Form of offer and Acceptance by the parties.

**BILLS OF QUANTITIES** means the document drawn up in accordance with the pricing instructions contained in the pricing data

**CONSTRUCTION PERIOD** means the period commencing on the date that the agreement made in terms of the Offer and Acceptance comes into effect and ending on the date of practical completion.

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<p><b>CONTRACT DOCUMENTS</b> means the agreement and all documents referenced therein.</p> <p><b>CONTRACT DRAWINGS</b> means the drawings listed in the scope of works.</p> <p><b>CONTRACT SUM</b> means the total price in the Form of Offer and Acceptance.</p> <p><b>SCHEDULE</b> means the variables listed in the Contract Data. [1.6.4] Delete sub-clause 1.6.4</p> <p><b><u>Objective and preparation</u></b></p>		
2	<p>Clause 2.0 - Offer, acceptance and performance</p> <p>F: ..... V: ..... T: .....</p>	Item
3	<p>Clause 3.0 - Documents</p> <p>F: ..... V: ..... T: .....</p> <p>[3.1] The Employer will not be required to provide a payment guarantee in terms of clause 3.1, clause 3.3 or any other clause.</p> <p>[3.5] Delete sub-clause 3.5 and replace with: The employer will arrange for the signing of the contract documentation.</p> <p>3.6] Delete sub-clause 3.6</p>	Item
4	<p>Clause 4.0 - Design responsibility</p> <p>F: ..... V: ..... T: .....</p>	Item
5	<p>Clause 5.0 - Employer's agents</p> <p>F: ..... V: ..... T: .....</p>	Item
6	<p>Clause 6.0 - Contractor's site representative</p> <p>F: ..... V: ..... T: .....</p>	Item
7	<p>Clause 7.0 - Compliance with laws and regulations</p> <p>F: ..... V: ..... T: .....</p> <p>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 afore mentioned health and safety specification</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
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12	Clause 12.0 - Effecting insurances F: ..... V: ..... T: .....	Item	
13	Clause 13.0 - Assignment F: ..... V: ..... T: .....	Item	
14	Clause 14.0 - Security F: ..... V: ..... T: .....	Item	
<b><u>Execution</u></b>			
15	Clause 15.0 - Preparation for and execution of the works F: ..... V: ..... T: .....	Item	
16	Clause 16.0 - Site and Access F: ..... V: ..... T: .....	Item	
17	Clause 17.0 - Contract instructions F: ..... V: ..... T: .....	Item	
18	Clause 18.0 - Setting out of the works F: ..... V: ..... T: ..... 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	Item	
19	Clause 19.0 - Temporary works and plant F: ..... V: ..... T: ..... Sub-clause 19.1.1 - The contractor must provide, erect, maintain and remove at completion all required temporary fencing, hoarding screen barriers, access gates, etc. Sub-clause 19.1.2 - The contractor shall provide maintain and remove on completion a meeting room at least 8,0 x 5,0m on plan and 2,6m high internally.	Item	
20	Clause 19.2 - One main notice board shall be provided 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	
24	Clause 23.0 - Contractor's domestic subcontractors F: ..... V: ..... T: .....	Item	
<b><u>Completion</u></b>			
25	Clause 24.0 - Practical completion F: ..... V: ..... T: .....	Item	
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26	<p>Clause 25.0 - Works completion</p> <p>F: ..... V: ..... T: .....</p>	Item	
27	<p>Clause 26.0 - Final completion</p> <p>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</p> <p>F: ..... V: ..... T: .....</p>	Item	
30	<p>Clause 29.0 - Revision of the date for practical completion</p> <p>F: ..... V: ..... T: .....</p> <p>The removal and replacement of materials and/or workmanship which do not conform to specification or drawings shall not constitute grounds for an extension of the construction period nor for an adjustment to the contract value (clause 29.3)</p>	Item	
31	<p>Clause 30.0 - Penalty for noncompletion</p> <p>F: ..... V: ..... T: .....</p>	Item	
<b><u>Payment</u></b>			
32	<p>Clause 31.0 - Interim payment to the contractor</p> <p>F: ..... V: ..... T: .....</p> <p>The inclusion of materials and goods stored off site in the amount authorised for payment in terms of clause 31.4 shall be at the sole discretion of the principal agent and such inclusion shall only be considered upon the provision, by the contractor, of an approved guarantee issued by a registered commercial bank.</p> <p>Clause 31.6.5 is therefore not applicable</p> <p>Clause 31.6.5 shall be deemed to be deleted</p> <p>Notwithstanding this or any other clause, materials and goods stored off site shall not be included in the amount authorised for payment</p> <p>Clause 31.9 shall be altered to read as follows:</p> <p>"The Employer shall pay to the Contractor the amount certified within twenty one (21) calendar days of the date of issue of the payment certificate.</p> <p>Payment shall be subject to the Contractor giving the Employer a VAT invoice for the amount due within the relevant period for payment".</p>	Item	
33	<p>Clause 32.0 - Adjustment to the contract value</p> <p>Where the contractor fails to select a choice at clause 3.2.4 page 51 of the Principal Building Agreement Contract Data - CE, the contractor will be deemed to have selected NO.</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	
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36	Clause 35.0 - Payment to other parties F: ..... V: ..... T: ..... <u><b>Termination</b></u>	Item	
37	Clause 36.0 - Termination by employer - contractor's default F: ..... V: ..... T: .....	Item	
38	Clause 37.0 - Termination by employer - loss and damage F: ..... V: ..... T: .....	Item	
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: ..... <u><b>Dispute (A40)</b></u>	Item	
41	Clause 40.0 - Dispute settlement F: ..... V: ..... T: ..... <u><b>Contract Agreement</b></u>	Item	
42	Clause 41.0 - Post tender provisions The required post tender information shall be inserted in the post tender provisions after consultation with the contractor. F: ..... V: ..... T: .....	Item	
43	Clause 42.0 - Contractual Agreement The required information of the contracting parties and the amount of the accepted contract sum shall be inserted in the contractual agreement for the signature of the agreement by the contracting parties F: ..... V: ..... T: ..... <u><b>SECTION B - PRELIMINARIES</b></u> <u><b>Definitions and interpretation</b></u>	Item	
44	Clause 1.0 - Definitions and interpretation (B1.1 - B1.6.5) See also clause A1.0 of Section A for additional and / or amended definitions which shall apply equally to this section F: ..... V: ..... T: ..... <u><b>Documents</b></u>	Item	
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 F: ..... V: ..... T: .....	Item	
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The budgetary allowances and selected or nominated subcontract amounts allocated for subsequent trades included in this document will be separately procured, based on multiple procurement of selected or nominated subcontractors during the construction period

**Previous work and adjoining properties**

48 Clause 3.1 - Previous work - dimension accuracy Item

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

49 Clause 3.2 - Previous work - defects Item

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

50 Clause 3.3 - Inspection of adjoining properties Item

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

51 Clause 3.4 - Existing premises occupied Item

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

52 Clause 3.5 - Previous work - dimensional accuracy Item

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

**Samples, shop drawings and manufacturer's instructions**

53 Clause 4.1 - Sample of materials Item

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

54 Clause 4.2 - Workmanship samples Item

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

55 Clause 4.3 - Shop drawings Item

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

56 Clause 4.4 - Compliance with manufacturer's instructions Item

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

**Deposits and fees**

57 Clause 5.1 - Deposits and fees Item

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

**Temporary services**

58 Clause 6.1 - Water Item

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

59 Clause 6.2 - Electricity Item

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

60 Clause 6.3 - Telecommunication facilities Item

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

61 Clause 6.4 - Ablution facilities Item

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

**Prime cost amounts**

62 Clause 7.1 - Responsibility for prime cost amounts Item

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

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<b><u>Special attendance on nominated/selected subcontractors</u></b>			
63	Clause 8.1 - Special attendance F: ..... V: ..... T: .....	Item	
<b><u>General</u></b>			
64	Clause 9.1 - Protection of the works F: ..... V: ..... T: .....	Item	
65	Clause 9.2 - Protection/isolation of existing/sectionally occupied works F: ..... V: ..... T: .....	Item	
66	Clause 9.3 - Security of the works F: ..... V: ..... T: .....	Item	
67	Clause 9.4 - Notice before covering work F: ..... V: ..... T: .....	Item	
68	Clause 9.5 - Disturbance F: ..... V: ..... T: .....	Item	
69	Clause 9.6 - Environmental disturbance F: ..... V: ..... T: .....	Item	
70	Clause 9.7 - Works cleaning and clearing F: ..... V: ..... T: .....	Item	
71	Clause 9.8 - Vermin F: ..... V: ..... T: .....	Item	
72	Clause 9.9 - Overhand work F: ..... V: ..... T: .....	Item	
<b><u>Schedule of variables</u></b>			
Information necessary for elections and completion of those clauses contained in the schedule which are necessary for tender purposes is given hereunder. Where no information is given it shall mean that either specific requirements are not required or that the clause is not relevant to this specific contract			
73	10.1 - Provisional bills of quantities [clause 2.2] F: ..... V: ..... T: .....	Item	
74	The quantities are provisional - Yes F: ..... V: ..... T: .....	Item	
75	10.2 - Availability of construction documentation [clause 2.3] F: ..... V: ..... T: .....	Item	
76	Construction documentation is complete - Yes F: ..... V: ..... T: .....	Item	
77	10.3 - Previous work - dimensional accuracy [clause 3.1] F: ..... V: ..... T: .....	Item	
78	10.4 - Previous work - defects [clause 3.2] F: ..... V: ..... T: .....	Item	
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79	10.5 - Inspection of adjoining properties [clause 3.3] F: ..... V: ..... T: .....	Item	
80	10.6 - Water [clause 7.2] F: ..... V: ..... T: .....	Item	
81	Option A (by contractor) - Yes Option B (by employer - free of charge) - No Option C (by employer - metered)- No F: ..... V: ..... T: .....	Item	
82	10.7 - Electricity [clause 7.3] F: ..... V: ..... T: .....	Item	
83	Option A (by contractor) - Yes Option B (by employer - free of charge) - No Option C (by employer - metered) - No F: ..... V: ..... T: .....	Item	
84	10.8 - Telecommunications [clause 7.4] F: ..... V: ..... T: .....	Item	
85	Telephone - Yes Facsimile - Yes E-mail - Yes F: ..... V: ..... T: .....	Item	
86	10.9- Ablution facilities [clause 7.5] F: ..... V: ..... T: .....	Item	
87	Option A (by contractor) - Yes Option B (by employer) - No F: ..... V: ..... T: .....	Item	
88	10.10 - Protection of the works [clause 9.1] F: ..... V: ..... T: .....	Item	
89	10.11 - Protection/isolation of existing/sectionally occupied works [clause 9.2] F: ..... V: ..... T: .....	Item	
90	Protection/isolation is required - Yes F: ..... V: ..... T: .....	Item	
91	10.12 - Disturbance [clause 9.5] F: ..... V: ..... T: .....	Item	
92	10.13 - Environmental disturbance [clause 9.6] F: ..... V: ..... T: .....	Item	
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<b><u>SECTION C - SPECIFIC PRELIMINARIES</u></b>		
<b><u>CONTRACT DRAWINGS</u></b>		
93	<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
<b><u>TRADE NAMES</u></b>		
94	<p>Wherever a trade name for any product has been described in the Bills of Quantities document, the Tenderers 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 alternative product is not obtained, the product described shall be deemed to have been tendered for.</p> <p>F: ..... V: ..... T: .....</p>	Item
<b><u>HIV / AIDS AWARENESS</u></b>		
95	<p>It is required of the Contractor to thoroughly study the HIV / AIDS Specification of the Department that must be read in conjunction with and is deemed to be incorporated under this section of the Bills of Quantities document. Provision for pricing of HIV / AIDS awareness is made under items C10.1 to C10.5 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 Principal Agent notwithstanding the provisions of clause A 31.0 of Section A or any other clause to the contrary reserves the right to delay issuing any progress payment certificate until the Contractor provides satisfactory proof of compliance. The Contractor shall not be entitled to any compensation of whatsoever nature, including interest due to such delay in payment.</p> <p>F: ..... V: ..... T: .....</p>	Item
<b><u>AWARENESS CHAMPION</u></b>		
96	<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
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<b><u>AWARENESS WORKSHOP</u></b>		
97	Selection and appointment of a competent service provider approved by the Principal Agent, provision of a service workshop plan and a suitable venue, conducting of awareness workshops by means of traditional and / or modern multi-media techniques including follow-up courses, making available all tuition material and performing assessment procedures all in accordance with the HIV / AIDS Specification  F: ..... V: ..... T: .....	Item
<b><u>POSTERS, BOOKLETS, VIDEOS, ETC.</u></b>		
98	Provision, displaying, maintaining and replacing when necessary of four plastic laminated posters, booklets and educational videos, etc for the duration of the construction period all in accordance with the HIV / AIDS Specification  F: ..... V: ..... T: .....	Item
<b><u>ACCESS TO CONDOMS</u></b>		
99	Provision and maintenance of condom dispensers fixed in position including male and female condoms, replenishing 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  F: ..... V: ..... T: .....	Item
<b><u>MONITORING</u></b>		
100	Monitoring HIV / AIDS awareness of workers, providing the Principal Agent with access to information including making available all reports thoroughly completed and reflecting correct information for the duration of the construction period and close out, all in accordance with the HIV / AIDS Specification  F: ..... V: ..... T: .....	Item
<b><u>OCCUPATIONAL HEALTH AND SAFETY ACT OCCUPATIONAL HEALTH AND SAFETY ACT</u></b>		
101	The Contractor shall comply with all the requirements set out in the Construction Regulations, 2014 issued under the Occupational Health and Safety Act, 1993 (Act No 85 of 1993)  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 of Quantities document.  The Contractor must take note that compliance with the Occupational Health and Safety Act is compulsory. In the event of partial or total non-compliance, the Principal Agent notwithstanding the provisions of clause A 31.0 of Section A or any other clause to the contrary, reserves the right to delay issuing any progress payment certificate until the Contractor provides satisfactory proof of compliance. The Contractor shall not be entitled to any compensation of whatsoever nature including interest due to such delay of payment.	
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	<p>Provision 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> <p>F: ..... V: ..... T: .....</p> <p><b><u>PROPRIETARY BRANDED PRODUCTS</u></b></p>	Item
102	<p>The contractor shall take delivery of, handle, store, use apply and/or fix all proprietary branded products in strict accordance with the manufacturers' instruction after consultation with the manufacturer's authorised representative</p> <p>F: ..... V: ..... T: .....</p> <p><b><u>OVERTIME</u></b></p>	Item
103	<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 the execution thereof, that costs for such overtime are to be borne by the employer.</p> <p>F: ..... V: ..... T: .....</p> <p><b><u>AS BUILT DRAWINGS</u></b></p>	Item
104	<p>The position of construction breaks and the extent of individual concrete pours are to be recorded by the contractor on the structural engineer's drawings and are to be submitted to the principal agent and the structural engineer for their records.</p> <p>F: ..... V: ..... T: .....</p> <p><b><u>SITE INSTRUCTIONS</u></b></p>	Item
105	<p>Site 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</p> <p>F: ..... V: ..... T: .....</p> <p><b><u>LABOUR RECORD</u></b></p>	Item
106	<p>At the end of each week the contractor shall provide the principal agent with a written record, in schedule form, reflecting the number and description of tradesmen and labourers employed by him and all subcontractors on the works each day.</p> <p>F: ..... V: ..... T: .....</p> <p><b><u>PLANT RECORD</u></b></p>	Item
107	<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, currently used on the works.</p> <p>F: ..... V: ..... T: .....</p> <p><b><u>NON CESSION OF MONIES</u></b></p>	Item
108	<p>The contractor shall not cede nor assign his rights or claims to any monies due or to become due under this contract</p> <p>F: ..... V: ..... T: .....</p>	Item
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	<b><u>WARRANTIES FOR MATERIAL AND WORKMANSHIP</u></b>		
109	<p>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 the same to the principal agent on the certified completion of the contract. The warranty shall state that the workmanship, materials and installation are warranted for a specific 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 construction of the building in which case the responsibility for replacement shall rest entirely with the contractor</p> <p>F: ..... V: ..... T: .....</p>	Item	
	<b><u>CO-OPERATION OF CONTRACTOR FOR COST MANAGEMENT</u></b>		
110	<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 management meetings. The contractor undertakes to extend these procedures as necessary to all sub-contractors.</p> <p>F: ..... V: ..... T: .....</p>	Item	
	<b><u>TESTING OF WINDOWS FOR WATER TIGHTNESS</u></b>		
111	<p>Each window shall be tested for water tightness 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</p> <p>F: ..... V: ..... T: .....</p>	Item	
	<b><u>TESTING OF FLAT ROOF WATERPROOFING FOR WATER TIGHTNESS</u></b>		
112	<p>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 water tightness of the waterproofing and before any further construction work is carried out above the waterproofing. A written guarantee of 10 years must be provided for all waterproofing.</p> <p>F: ..... V: ..... T: .....</p>	Item	
	<b><u>SUMMARY OF CATEGORIES</u></b>		
	<b><u>Categories</u></b>		
	Category: Fixed F:.....		

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<p><b><u>SECTION NO. 2</u></b></p> <p><b><u>BUILDING WORKS</u></b></p> <p><b><u>BILL NO. 1</u></b></p> <p><b><u>ALTERATIONS</u></b></p> <p><b><u>PREAMBLES</u></b></p> <p>For Preambles refer to General Preambles for Trades 2017 published by the Association of South African Quantity Surveyors</p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><b><u>Handing over of materials</u></b></p> <p>Where certain materials or articles from demolitions or alterations are described as to be handed over by the contractor to the Client's Representative or 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 handover. 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 Client for the full replacement value thereof which amount will be deducted from any monies due to the contractor.</p> <p><b><u>Old materials to be re-used</u></b></p> <p>None of the old materials are to be used for new work except where specifically described as being set aside for re-use</p> <p><b><u>Old materials to be carted away</u></b></p> <p>Old materials from alterations except where described as re-used or handed over, as well as all rubbish, etc. must be regularly carted from site and not be allowed to accumulate on or around the site</p> <p><b><u>Old materials to become property of the contractor</u></b></p> <p>Old materials from alterations except where described to be re-used or handed over, become the property of the contractor</p> <p><b><u>Demolitions and Works on site</u></b></p> <p>All demolitions and works on site must be carried out carefully and in the safest possible manner and the Contractor is to make a thorough examination and take all necessary precautions before proceeding with the work. The utmost care is to be observed to avoid any structural or other damage in the remaining portions of the existing building</p>			
<p>Section No. 2</p> <p>Bill No. 1</p> <p>Alterations</p>	Carried to Collection	R	



	Unit	Quantity	Rate	Amount
<p>Special care is to be exercised not to interfere with any electrical installation, and notice is to be given to the Representative/Agent when any disconnections, removal of wires, etc. necessary and the Contractor is to afford every facility to the workmen carrying out his work</p> <p>The Contractor shall not remove or interfere with any furniture, fittings or similar articles unless specially mentioned in the following items and shall give adequate notice to the Representative/Agent of the removal of any articles from parts of the building are to be altered becomes necessary so that the Client may have same removed before the Contractor commences work in such parts</p> <p>The contractor shall be held solely responsible for any damage to persons and property and for the safety of the structures and must make good at his expense any damage that may occur</p> <p><b><u>View site</u></b></p> <p>The contractor will be required to take all dimensions affecting the existing buildings on the site and he will be held solely responsible for the accuracy of all such dimensions where used in the manufacture of new items (doors, windows, fittings, etc.)</p> <p>Before submitting his tender the tenderer shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials salvageable from the alterations. No claim for any variations of the contract sum in respect of the nature and extent of the work or of inferior or damaged materials will be entertained</p> <p><b><u>General</u></b></p> <p>The contractor shall carry out the whole of the works with as little mess and noise as possible and with a minimum of disturbance to tenants in the building and to adjoining premises and their tenants. He shall provide proper protection and provide , erect and remove when directed , any temporary tarpaulins that may be necessary during the progress of the works, all to the satisfaction of the principal agent</p>				
<p>Section No. 2</p> <p>Bill No. 1</p> <p>Alterations</p>				
Carried to Collection			R	

	Unit	Quantity	Rate	Amount
<p>Doors, fanlights, windows, fittings, frames, linings, etc which are to be re-used shall be thoroughly overhauled before refixing including taking off, easing and rehanging, cramping up, re-wedging as required and making good cramps, dowels, etc, and oiling, adjusting and repairing ironmongery as necessary, replacing any glass damaged in removal or subsequently and stopping up all nail and screw holes with tinted plastic wood to match timber, unless otherwise described . Re-painting or re-varnishing is given separately</p> <p>Water supply pipes and other piping that may be encountered and found necessary to disconnect or cut, shall be effectually stopped off or grubbed up and removed, and any new connections that may be necessary shall be made with proper fittings, to the satisfaction of the principal agent</p> <p>Prices for taking out of doors, windows, etc shall include for removal of all beads, architraves, ironmongery, etc</p> <p>Prices for taking out and removing doors and frames shall include for removing door stops, cabin hooks, etc</p> <p>With regard to building up of openings in existing walls, cement screeds and pavings, granolithic, tops of walls, etc, shall be levelled and prepared for raising of brickwork</p> <p>Making good of finishes shall include making good of the brick and concrete surfaces onto which the new finishes are applied, where necessary</p> <p><b><u>REMOVAL OF ASBESTOS</u></b></p> <p><b><u>Asbestos removal and disposal</u></b></p> <p>Asbestos removal and disposal must be done by an registered Asbestos Contractor with the Department of Labour. The removal and disposal of asbestos must be done strictly in accordance with the Occupational Health and Safety Act, 1003, Draft Asbestos Abatement Regulations. Erect a safety net to stop spillage from falling onto the ground when cleaning the roof sheets. Prices for taking out and removing asbestos shall include for safe removal of asbestos products contaminated debris and the safe transporting and dumping of asbestos material to an approved dumping site including any statutory charges therein.</p>				
1	Asbestos, profiled roof covering.	m <sup>2</sup>	1 890	
2	Asbestos, wall panelling including timber grounds, etc	m <sup>2</sup>	250	
Carried to Collection			R	
Section No. 2				
Bill No. 1				
Alterations				

		Unit	Quantity	Rate	Amount
<b><u>REMOVAL OF EXISTING WORK</u></b>					
<b><u>Demolish and remove existing brickwork / concrete</u></b>					
3	100mm Thick unreinforced concrete aprons	m <sup>2</sup>	200		
<b><u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc:</u></b>					
4	Remove and dispose timber roof trusses span 9500mm with 1500mm overhang at one end and the 600mm long at the other (provisional), damage purlin as per engineer instruction	m <sup>2</sup>	1 622		
5	Sheet metal or vinyl gutters and down pipes not exceeding 500mm girth	m	308		
6	Fascias and barge boards not exceeding 300mm high	m	308		
<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>					
7	25mm Screed including vinyl sheeting finish	m <sup>2</sup>	800		
8	Internal plaster walls	m <sup>2</sup>	840		
9	External plaster to walls	m <sup>2</sup>	693		
<b><u>Taking out and removing sundry joinery work, fittings, etc</u></b>					
10	Timber skirtings	m	850		
<b><u>Taking up and removing wood block floor coverings, vinyl floor coverings, carpets, etc and preparing screeds for new floor coverings</u></b>					
11	Vinyl tile floor covering	m <sup>2</sup>	800		
<b><u>Taking out and removing doors, windows, gates, writing boards, etc. including threshold, cills, etc from brickwork (building up and making good finishes, elsewhere)</u></b>					
12	Remove and dispose damaged burglar gate 1000 x 2100mm high	No	3		
13	Timber single door and steel frame not exceeding 2,5m2	No	18		
14	Glazed steel window not exceeding 2,5m2	No	47		
15	Chalk writing board size 4730 x 1190mm high plugged to wall.	No	18		
Carried to Collection				R	
Section No. 2					
Bill No. 1					
Alterations					

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Amount

**BILL NO. 1**  
**ALTERATIONS**  
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Section No. 2  
Bill No. 1  
Alterations

	Unit	Quantity	Rate	Amount
<b><u>SECTION NO. 2</u></b> <b><u>BUILDING WORKS</u></b> <b><u>BILL NO. 2</u></b> <b><u>ROOF COVERING</u></b>  <b><u>PREAMBLES</u></b> For Preambles refer to General Preambles for Trades 2017 published by the Association of South African Quantity Surveyors  <b><u>SUPPLEMENTARY PREAMBLES</u></b> <b><u>Metal roof sheeting</u></b> Contractor to provide a 20 year guarantee for both the material and the paintwork of the sheeting Please note that the sheeting supplier / installer through the contractor should timeously (before installation) inform the Principal Agent of any aspect of the installation or the environment in which the sheeting is used or the application that could have a negative affect the warrantees (e.g. bending the sheets, the fixings, etc.)  <b><u>PROFILED METAL SHEETINGS AND ACCESSORIES</u></b> <b><u>Profiled roll-formed galvanised steel Z200, 0,5mm (light industrial) complying with ISQ550 (3T)(A653) troughed sheeting with "Chromadeck" finish one side and standard backing coat to other, guarantee by an approved firm of specialists, all in accordance with the manufacturer's specification</u></b>				
1	m <sup>2</sup>	1 890		
<b><u>ROOF INSULATION</u></b> <b><u>4mm Polyethylene bubblefold fire retardant double sided aluminium foil insulation</u></b>				
2	m <sup>2</sup>	3 780		
Carried To Section Summary			R	
Section No. 2				
Bill No. 2				
Roof Covering				

	Unit	Quantity	Rate	Amount
<p><b><u>SECTION NO. 2</u></b></p> <p><b><u>BUILDING WORKS</u></b></p> <p><b><u>BILL NO. 3</u></b></p> <p><b><u>CARPENTRY AND JOINERY</u></b></p> <p><b><u>PREAMBLES</u></b></p> <p>For Preambles refer to General Preambles for Trades 2017 published by the Association of South African Quantity Surveyors</p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><b><u>PREFABRICATED TRUSSES, ETC</u></b></p> <p>Items described as nailed shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete</p> <p>All exposed timber to be treated with preservation to combat fungus as prescribed by the Forestry Act 1968 (Act 72 of 1968)</p> <p><b><u>Fixing</u></b></p> <p>All sections of timber to be built into brickwork or concrete to be wrapped in Gunplas and the cost is deemed to be included in the relevant item</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>Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes</p> <p><b><u>Decorative thermosetting plastic laminate covering</u></b></p> <p>Laminate covering shall be glued under pressure and edge strips of same shall be butt jointed at junctions with adjacent similar finish</p> <p><b><u>Sealant</u></b></p> <p>Tenderers should include silicone sealant between skirting and finished surfaces of walls and floors in their price</p> <p><b><u>Joinery</u></b></p> <p>Unless otherwise specified all exposed timber to be planed and sanded smooth and to be in selected hardwood meranti, internal timber can be SA Pine</p> <p>Descriptions of frames shall be deemed to include frames, transoms, mullions, rails, etc</p>				
Carried to Collection			R	
Section No. 2				
Bill No. 3				
Carpentry And Joinery				

		Unit	Quantity	Rate	Amount
<b><u>Particle board</u></b>					
All particle board shall comply with the following specifications: a) SABS 1300 Particle board: exterior and floor type b) SABS 1301 Particle board: interior type					
<b><u>PRE-FABRICATED TIMBER ROOF TRUSSES</u></b>					
1	Detailed shop drawings indicating truss sizes, truss positions, bracings,	Item			
2	Design certificate indicating the licensed programme used, SABS	Item			
3	Erection guarantee certificate after the whole completed roof truss	Item			
4	Timber Roof Construction including fixing in position of all necessary girders, trusses, rafters, hips, valleys, bracing, cleats, timber connections, purlins, runners, wire ties, etc. (Total roof area measured on plan).	m²	1 622		
<b><u>EAVES, VERGES, ETC</u></b>					
<b><u>Medium density plain fibre-cement fascias and barge boards</u></b>					
5	12 x 225mm Fascias and barge boards including galvanised steel H-profile jointing strip	m	308		
<b><u>SKIRTINGS</u></b>					
<b><u>Wrought meranti</u></b>					
6	19 x 76mm Skirting nailed including 19mm quadrant bead	m	850		
<b><u>DOORS, ETC</u></b>					
NOTE : a sample of internal and external wooden doors is to be submitted to the Principal Agent for approval before ordering doors					
<b><u>Solid laminated flush doors with 3,2mm standard hardboard covering on both sides, hung to steel frames</u></b>					
7	40mm Door 813 x 2032mm high	No	36		
<b><u>Wrot meranti doors</u></b>					
8	Wrot meranti doors, hung to steel frames 44mm Wrot framed, ledged and braced heavy duty Class 2 meranti batten doors (SANS 545) with 44 x 150mm top rail and stiles, 16 x 150mm middle ledge and braces and 22 x 220mm bottom rail, filled in with 22mm V-jointed one side boarding and covered on other side with 4mm plywood with veneer to match door, size 813 x 2032	No	24		
Carried to Collection				R	
Section No. 2					
Bill No. 3					
Carpentry And Joinery					



		Unit	Quantity	Rate	Amount
9	Ditto, Framed, ledged and braced batten door size 914 x 2032mm high	No	2		
Carried to Collection				R	
Section No. 2					
Bill No. 3					
Carpentry And Joinery					
24					

Amount

**BILL NO. 3**  
**CARPENTRY AND JOINERY**  
**COLLECTION**

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Section No. 2  
Bill No. 3  
Carpentry And Joinery

	Unit	Quantity	Rate	Amount
<b><u>SECTION NO. 2</u></b>				
<b><u>BUILDING WORKS</u></b>				
<b><u>BILL NO. 4</u></b>				
<b><u>CEILINGS PARTITIONS AND ACCESS FLOORING</u></b>				
<b><u>PREAMBLES</u></b>				
For Preambles refer to General Preambles for Trades 2017 published by the Association of South African Quantity Surveyors				
<b><u>SUPPLEMENTARY PREAMBLES</u></b>				
<b><u>Fixing</u></b>				
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				
Skimmed ceilings must be plastered the same day that the plasterboard has been erected				
Boards must be stacked on a level surface in a dry place on a timber platform. Boards must be carried on edge				
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				
<b><u>Steel components</u></b>				
All steel components for ceilings, partitions, etc are to be galvanised in accordance with SANS 121				
<b><u>Proprietary suspended ceilings</u></b>				
Electrical light fittings, diffusers, panels, etc. generally are "lay in" units of the same dimensions as the suspension grid described and allowed must be made accordingly for their support inclusive of any flexibility insetting out that may be required (ceiling panels have not been deducted and pricing is to take cognisance thereof)				
<b><u>NAILED UP CEILINGS</u></b>				
<b><u>6mm fibre-cement boards with H-profile primed steel jointing cover strips over joints</u></b>				
1	Ceilings including 38 x 50mm brandering at 90 deg to trusses at maximum centres of 400mm by 32mm long galvanised nails.	m²	1 623	
2	Extra over ceiling for opening for 610 x 610mm trap door of 50 x 76mm wrought softwood rebated framing with one 38 x 38mm sawn softwood	No	12	
			R	
Carried to Collection				
Section No. 2				
Bill No. 4				
Ceilings Partitions And Access Flooring				

	Unit	Quantity	Rate	Amount
<b><u>Cornices, perimeter trims, et.</u></b>				
3	m	560		
<b><u>INSULATION</u></b>				
<b><u>Non-combustible fibreglass insulation of a density of not less than 10kg/m3 bonded with an inert thermo-setting resin</u></b>				
4	m <sup>2</sup>	1 623		
Carried to Collection			R	
Section No. 2				
Bill No. 4				
Ceilings Partitions And Access Flooring				

Amount

**BILL NO. 4**

## CEILINGS PARTITIONS AND ACCESS FLOORING

**COLLECTION**

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Section No. 2

Bill No. 4

## Ceilings Partitions And Access Flooring

	Unit	Quantity	Rate	Amount
<b><u>SECTION NO. 2</u></b> <b><u>BUILDING WORKS</u></b> <b><u>BILL NO. 5</u></b> <b><u>FLOOR COVERINGS</u></b>  <b><u>PREAMBLES</u></b> For Preambles refer to General Preambles for Trades 2017 published by the Association of South African Quantity Surveyors  <b><u>SUPPLEMENTARY PREAMBLES</u></b> <b><u>Fixing</u></b> All existing screeds to be treated, cracks and undulations filled and repaired where necessary to achieve a smooth and level finish to receive new vinyl and carpet floor finishes  Levels of different floor finishes with screeds to be feathered where required  Floor coverings, wall linings, etc shall, where applicable, be fixed with adhesive as recommended by the manufacturers of the flooring, linings, etc  <b><u>FLOOR COVERINGS, PLASTIC LININGS, ETC</u></b> <b><u>FLOOR COVERINGS</u></b> <b><u>300 x 300 x 2,5mm Fully flexible vinyl tiles laid in accordance with the manufacturer's instruction</u></b>				
1	On floors	m <sup>2</sup>	800	
<b><u>POLISH, SEALERS, ETC</u></b>				
2	Three coats floor sealer on vinyl floor sheeting	m <sup>2</sup>	800	
Carried To Section Summary			R	
Section No. 2				
Bill No. 5				
Floor Coverings				

	Unit	Quantity	Rate	Amount
<b><u>SECTION NO. 2</u></b> <b><u>BUILDING WORKS</u></b> <b><u>BILL NO. 6</u></b> <b><u>IRONMONGERY</u></b>  <b><u>PREAMBLES</u></b> For Preambles refer to General Preambles for Trades 2017 published by the Association of South African Quantity Surveyors  <b><u>SUPPLEMENTARY PREAMBLES</u></b> All locks are Master key operational All ironmongery is deemed to include fitment of screws that best match the finish of the item specified All ironmongery are to be fitted as per manufacturer's instruction  <b><u>LOCKS, HANDLES, ETC</u></b> 1 Chromium plated Four-lever lockset including two lever handles on rectangular keyhole backplate  <b><u>SUNDRIES</u></b> 2 38mm Diameter floor mounted rubber door stop  <b><u>PINNING BOARDS, WRITING BOARDS, PROJECTION SCREENS, ETC</u></b> 3 Vitreous enamel steel green folding type writing board, with wall mounted centre board 4800 x 1220mm high with chalk rail and two swing leaves each 1200 x 1220mm high plugged Approved steel lockers with standard baked enamel finish:  4 Pinning boards 2000 x 1200mm high complete with hard wearing pinning material and wrot meranti timber surround including varnished, plugged to brick walls  <b><u>LETTERS, NAME PLATES, ETC</u></b> <b><u>Approved 150 x 150 x 3mm thick PVC standard safety signage</u></b> 5 "Fire extinguisher" sign plugged 6 "Directional Arrow" sign plugged				
	No	54		
	No	54		
	No	32		
	No	36		
	No	20		
	No	20		
Carried To Section Summary			R	
Section No. 2 Bill No. 6 Ironmongery				

	Unit	Quantity	Rate	Amount
<b><u>SECTION NO. 2</u></b>				
<b><u>BUILDING WORKS</u></b>				
<b><u>BILL NO. 7</u></b>				
<b><u>METALWORK</u></b>				
<b><u>PREAMBLES</u></b>				
For Preambles refer to General Preambles for Trades 2017 published by the Association of South African Quantity Surveyors				
<b><u>SUPPLEMENTARY PREAMBLES</u></b>				
<b><u>Descriptions of bolts, anchors, etc</u></b>				
Descriptions of bolts shall be deemed to include nuts and washers				
Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete				
Items described as holed for bolt(s) shall be deemed to exclude the bolts unless otherwise described				
Items described as plugged shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres				
<b><u>GATES</u></b>				
1	No	18		
Single gate 1220 x 2200mm high of 50 x 50 x 2,5mm hollow section frame filled in with 10 x 10mm section diagonal bars welded to frame and fitted with a pair of bullet hinges welded to and including 100 x 200 x 3mm flat hinge plates, each twice drilled for and bolted to wall with two 10mm expansion bolts complete with sliding bolt (G10 Yard)				
<b><u>PRESSED STEEL DOOR FRAMES</u></b>				
<b><u>1,2mm Double rebated frames suitable for one brick walls</u></b>				
2	No	18		
Frame for door 813 x 2032mm high				
<b><u>MESH SECURITY SCREEN</u></b>				
3	m²	70		
Ref 617 mesh steel fabric as security screen fixed to underside of roof trusses lapped minimum 150mm along edges and ends				
4	No	32		
10mm Security bar, 450mm girth bent and wrapped around roof truss member to secure mesh screen with ends on site welded together				
Carried to Collection				R
Section No. 2				
Bill No. 7				
Metalwork				

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		Unit	Quantity	Rate	Amount
<b><u>STEEL WINDOWS, DOORS, ETC</u></b>					
<b><u>Standard school type windows with solid brass furniture and 12 x 12mm solid horizontal burglar bars at 150mm centres to all sashes</u></b>					
5	Composite window, size 1143 x 1248mm high	No	47		
Carried to Collection				R	
Section No. 2					
Bill No. 7					
Metalwork					

Amount

**BILL NO. 7**  
**METALWORK**  
**COLLECTION**

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Section No. 2  
Bill No. 7  
Metalwork

	Unit	Quantity	Rate	Amount
<b><u>SECTION NO. 2</u></b>				
<b><u>BUILDING WORKS</u></b>				
<b><u>BILL NO. 8</u></b>				
<b><u>PLASTERING</u></b>				
<b><u>PREAMBLES</u></b>				
For Preambles refer to General Preambles for Trades 2017 published by the Association of South African Quantity Surveyors				
<b><u>SUPPLEMENTARY PREAMBLES</u></b>				
<b><u>Preparation of surfaces</u></b>				
Surfaces shall be dry and clean, free of dust, sand, grit and flaking particles, laitance and loose matter, contaminants such as oil, grease, etc. Surfaces shall have a moisture content not exceeding 4%. All free standing water to be removed prior to application of primers or compounds. Absorbent surfaces to be thoroughly pre-soaked in fresh water. Oil, grease, animal fats, etc. to be removed with suitable Ivory Chemicals' product to be applied in strict accordance with the manufacturer's instructions. Once clean, surfaces to be profiled mechanically (scabbling, blasting, scarifying, chipping or grinding) or by means of acid etching, one part Ivory Concrete Etchant' thinned with two parts water applied at the rate of 2m <sup>2</sup> /1 litre in strict accordance with the manufacturer's instructions.				
Generally substrate surfaces to have good wood float, steel trowel or power floated finish conforming in evenness and level to required tolerance with minimum compressive strength of 20MPa or above 25 N/mm <sup>2</sup> compressive strength. Screeded surfaces to be minimum 30mm thick				
<b><u>GRANOLITHIC</u></b>				
<b><u>Untinted wood floated granolithic on concrete:</u></b>				
1	30mm Thick to floors	m <sup>2</sup>	1 623	
2	50mm Average thick to walkway	m <sup>2</sup>	720	
<b><u>INTERNAL PLASTER</u></b>				
<b><u>Cement plaster on brickwork finished with a steel float</u></b>				
3	On walls	m <sup>2</sup>	800	
4	On walls in narrow widths not exceeding 300mm wide	m <sup>2</sup>	40	
Carried to Collection			R	
Section No. 2				
Bill No. 8				
Plastering				

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		Unit	Quantity	Rate	Amount
<b><u>SECTION NO. 2</u></b>					
<b><u>BUILDING WORKS</u></b>					
<b><u>BILL NO. 9</u></b>					
<b><u>PLUMBING AND DRAINAGE</u></b>					
<b><u>PREAMBLES</u></b>					
For Preambles refer to General Preambles for Trades 2017 published by the Association of South African Quantity Surveyors					
<b><u>RAINWATER DISPOSAL</u></b>					
<b><u>0,6mm Galvanised sheet iron with "Chromadek" finish on outside.</u></b>					
1	100 x 100mm Eaves gutter	m	308		
2	Extra over gutter for angle	No	20		
3	Extra over gutter for stopped end	No	20		
4	75 x 100mm Rainwater downpipe fixed to wall	m	30		
5	Extra over rainwater pipe for bend	No	15		
6	Extra over rainwater pipe for shoe	No	15		
Carried To Section Summary				R	
Section No. 2					
Bill No. 9					
Plumbing And Drainage					

		Unit	Quantity	Rate	Amount
<b><u>SECTION NO. 2</u></b> <b><u>BUILDING WORKS</u></b> <b><u>BILL NO. 10</u></b> <b><u>GLAZING</u></b>  <b><u>PREAMBLES</u></b> For Preambles refer to General Preambles for Trades 2017 published by the Association of South African Quantity Surveyors <b><u>SUPPLEMENTARY PREAMBLES</u></b> <b><u>Float glass</u></b> The term float glass is used for monolithic annealed glass <b><u>Laminated glass</u></b> Laminated glass to have polyvinyl butyral (PVB) interlayer(s) <b><u>GLAZING TO STEEL WITH PUTTY</u></b> <b><u>6.5mm Clear laminated float glass (safety glazing)</u></b>					
1	Panes exceeding 0,1m2 and not exceeding 0,5m2	m <sup>2</sup>	140		
Carried To Section Summary					R
Section No. 2					
Bill No. 10					
Glazing					

	Unit	Quantity	Rate	Amount
<b><u>SECTION NO. 2</u></b> <b><u>BUILDING WORKS</u></b> <b><u>BILL NO. 11</u></b> <b><u>PAINTWORK</u></b>  <b><u>PREAMBLES</u></b> For Preambles refer to General Preambles for Trades 2017 published by the Association of South African Quantity Surveyors  <b><u>SUPPLEMENTARY PREAMBLES</u></b> <b><u>PREPARATORY WORK TO EXISTING WORK</u></b>  <b><u>Previously painted brick walls</u></b> Where applicable , open up deeper cracks in a 'V' formation, remove residue, seal and fill cracks Where hairline cracks are evident, fill in cracks with suitable filler. After the filler has been applied and dried, sand over lightly to smooth before painting  <b><u>Previously painted plater board</u></b> Wash down ceilings and other plaster board surfaces with sugar soap and rinse well before painting  <b><u>Previously painted plastered surfaces</u></b> Surfaces shall be thoroughly wash down and allowed to dry completely before any Surfaces shall be thoroughly washed down and allow 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 to remove dirt and other contaminants and sanded lightly to provide a key for subsequent coats. Blistered or peeling paint shall be completely removed down to bare metal and any rust encountered shall be removed. Surfaces shall be coated with an approved primer  <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 sanded smooth				
Carried to Collection			R	
Section No. 2				
Bill No. 11				
Paintwork				



	Unit	Quantity	Rate	Amount
<b><u>Samples</u></b> Samples of colours to be approved by Architect. 2 x 2m Sample panels of all paint colours are to be presented on the walls and building for approval before final paints order is placed				
<b><u>Paint Specifications</u></b> All painting shall be done in accordance with Architect's specifications unless otherwise described				
<b><u>Colours</u></b> Unless otherwise described all paintwork shall be deemed to have a colour value in excess of 7 on the Munsell system in accordance with SANS 1091				
<b><u>PAINTWORK ETC TO NEW WORK</u></b>				
<b><u>ON NEW INTERNAL FLOATED PLASTER SURFACES</u></b>				
<b><u>Prepare, apply one coat primer apply two coats non-drip polyurethane enamel paint</u></b>				
1 Internal plastered walls	m <sup>2</sup>	840		
<b><u>Prepare, apply one coat primer and apply two coats super acrylic paint</u></b>				
2 External plastered walls	m <sup>2</sup>	693		
<b><u>ON NEW FIBRE-CEMENT BOARD SURFACES</u></b>				
<b><u>One coat primer, one coat universal undercoat and one coats super acrylic PVA paint</u></b>				
3 On ceilings	m <sup>2</sup>	1 623		
<b><u>Prepare and apply one coat universal undercoat and two coats gloss enamel paint</u></b>				
4 On fascias and barge boards	m <sup>2</sup>	308		
<b><u>ON NEW METAL SURFACES</u></b>				
<b><u>Spot priming defects in pre-primed surfaces, apply one coat primer, one coat undercoat and two coats gloss enamel paint</u></b>				
5 On door frames	m <sup>2</sup>	45		
6 On windows with burglar bars	m <sup>2</sup>	134		
7 On gates, grilles, burglar screens, balustrading, etc (both sides measured over the full flat area )	m <sup>2</sup>	95		
Carried to Collection			R	
Section No. 2				
Bill No. 11				
Paintwork				

	Unit	Quantity	Rate	Amount
<b><u>ON NEW WOOD SURFACES</u></b>				
<b><u>One coat primer, one coat undercoat and two coats gloss enamel paint</u></b>				
8	On doors	m <sup>2</sup>	248	
<b><u>Two coats oil wood primer</u></b>				
9	Backs of frames, linings, etc not exceeding 300mm wide	m	850	
<b><u>Three coats superior quality clear matt varnish</u></b>				
10	Skirtings, rails, etc not exceeding 300mm girth	m	850	
<b><u>PAINTWORK, ETC TO PREVIOUSLY PAINTED WORK</u></b>				
<b><u>ON EXISTING INTERNAL FLOATED PLASTER SURFACES</u></b>				
<b><u>Two coats superior quality acrylic emulsion paint for interior and exterior use</u></b>				
11	Walls	m <sup>2</sup>	939	
<b><u>ON EXISTING EXTERNAL FLOATED PLASTER SURFACES</u></b>				
<b><u>Two coats superior quality acrylic emulsion paint for exterior use</u></b>				
12	Walls	m <sup>2</sup>	428	
<b><u>ON EXISTING METAL SURFACES</u></b>				
<b><u>One coat alkyd based universal undercoat and two coat superior quality universal enamel paint</u></b>				
13	Door frames	m <sup>2</sup>	10	
14	Windows	m <sup>2</sup>	180	
<b><u>ON EXISTING WOOD SURFACES</u></b>				
<b><u>One coat alkyd based universal undercoat and two coat superior quality universal enamel paint</u></b>				
15	Doors and frames	m <sup>2</sup>	25	
Carried to Collection				R
Section No. 2				
Bill No. 11				
Paintwork				

Amount

**BILL NO. 11**  
**PAINTWORK**  
**COLLECTION**

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Carried To Section Summary

**R**

Section No. 2  
Bill No. 11  
Paintwork

	Unit	Quantity	Rate	Amount
<b><u>SECTION NO. 2</u></b> <b><u>BUILDING WORKS</u></b> <b><u>BILL NO. 12</u></b> <b><u>EXTERNAL WORKS</u></b>  <b><u>PREAMBLES</u></b> For Preambles refer to General Preambles for Trades 2017 published by the Association of South African Quantity Surveyors  <b><u>RAINWATER HARVESTING</u></b> <b><u>Chemical resistant polyethylene water tank with a 5 year guarantee</u></b>				
1	No	5		
<b><u>WALKWAYS</u></b> <b><u>20Mpa/19mm concrete</u></b>				
2	m <sup>2</sup>	1 200		
3	m	154		
Carried To Section Summary			R	
Section No. 2				
Bill No. 12				
External Works				

Amount

**SECTION NO. 2****BUILDING WORKS****BILL NO. 13****PROVISIONAL SUMS****PREAMBLES**

For Preambles refer to General Preambles for Trades 2017 published by the Association of South African Quantity Surveyors

**PROVISIONAL SUMS****General**

Work for which budgetary allowances are provided will be measured and valued in accordance with the relevant building contract and deducted in whole or in part if not required without any compensation for loss of profit on the said allowances

Provisional sums are for material and equipment supplied and installed complete by firms of specialists

**Profit**

Where stated, the contractor may allow for profit if required

**General attendance on nominated/selected subcontractors**

The item 'attendance' which follows each provisional sum for nominated/selected subcontractors' work, shall be deemed to cover all the contractor's costs incurred in providing free of charge to the nominated/selected subcontractors the contractor's duties as described in clause 12.2 of the JBCC N/S Subcontract Agreement

**Special attendance on nominated/selected subcontractors**

Where 'special attendance' such as unloading, storing, placing in position, providing special power supplies, specific hoisting, craneage and scaffolding requirements, provision of temporary casing and/or other specific protection of the works, special security and clearing away rubbish is required, a separate item describing the specific requirements in detail is to be provided for the pricing of such requirements

**COMMUNITY LIAISON OFFICER**

- |   |   |      |            |
|---|---|------|------------|
| 1 | Provide a sum of R100,000.00 for the remuneration of the Community Liaison Officer to be employed by the Contractor for a period of 10 (Ten) months | Item | 100 000 00 |
| 2 | Profit  | Item |            |
| 3 | Attendance  | Item |            |

**TEMPORARY ACCOMMODATION**

- |   |  |      |            |
|---|--|------|------------|
| 4 | Provide a sum of R300 000.00 for temporary classrooms, fully equipped with chalkboards, and electricity supply. (4No x classrooms, each size 7m x7m, for a period of 6 Months) | Item | 300 000 00 |
|---|--|------|------------|

Carried to Collection

**R**

Section No. 2

Bill No. 13

Provisional Sums

[illegible]

		Quantity	Rate	Amount R
CPG Bill of Quantities:				
<p><b>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.</b></p>				
<b>MINIMUM TARGETED LOCAL BUILDING MATERIAL MANUFACTURERS</b>				
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	R16 669,68	R16 669,68
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.	%			
<b>MINIMUM TARGETED LOCAL BUILDING MATERIAL SUPPLIERS</b>				
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	R16 669,68	R16 669,68
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	
<b>Carried Forward to Summary of Section No.</b>				
Provisional Sums				

Item No			Quantity	Rate	Amount R
	<b>MINIMUM TARGETED ENTERPRISE DEVELOPMENT</b>				
	A provisional amount has been allowed for in the execution of this project as described in C3.1 Project Specifications. The provisional amount allowed is for the appointment of training coordinator, mentor, training service providers and training of the beneficiary enterprises including monitoring and monthly reporting.	PS	1	R166 696,83	R166 696,83
	Allowance for profit all inclusive of associated costs to the contractor for implementation.	%			
	Allowance for attendance all inclusive of associated costs to the contractor for implementation.	%			
	<b>LABOUR INTENSIVE PARTICIPATION GOAL</b>				
	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.				
	<b>Carried to Collection</b>			R	
	Provisional Sums				



Amount

**BILL NO. 13**

### PROVISIONAL SUMS

**COLLECTION**

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Carried To Section Summary

**R**

Section No. 2

Bill No. 13

### Provisional Sums

			Amount
<b><u>SECTION NO. 2</u></b>			
<b><u>BUILDING WORKS</u></b>			
<b><u>SECTION SUMMARY</u></b>			
Bill No.		Page	
1	ALTERATIONS	20	
2	ROOF COVERING	21	
3	CARPENTRY AND JOINERY	25	
4	CEILINGS PARTITIONS AND ACCESS FLOORING	28	
5	FLOOR COVERINGS	29	
6	IRONMONGERY	30	
7	METALWORK	33	
8	PLASTERING	36	
9	PLUMBING AND DRAINAGE	37	
10	GLAZING	38	
11	PAINTWORK	42	
12	EXTERNAL WORKS	43	
13	PROVISIONAL SUMS	46	
Carried to Next			R
Section No. 2			
SECTION SUMMARY			

		Brought from Previous	R	Amount	
Section No.			Page		
1	PRELIMINARIES		14		
2	BUILDING WORKS		47		
	ADD: CONTINGENCIES				
	Allow for contingencies to be used on Client's discretion or deducted in part or whole if not required (5%)				0 00
	SubTotal excluding Value Added Tax				
	ADD VAT @ 15%:				
	Carried to Tender			R	
	FINAL SUMMARY				

## SECTION B - MADLANYOKA BOQ

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<b><u>MADLANYOKA HIGH SCHOOL</u></b>				
	<b><u>SECTION 1: PRELIMINARY &amp; GENERAL</u></b>				
	<b><u>BUILDING AGREEMENT AND PRELIMINARIES</u></b>				
	i) The agreement is to be the JBCC Series 2000 Principal Building Agreement (Edition 4.1) prepared by the Joint Building Contracts Committee, March 2005				
	ii) The preliminaries are to be the JBCC Series 2000 Preliminaries prepared by the Joint Building Contracts Committee, March 2005 edition and shall be deemed to be incorporated herein				
	iii) Tenderers are referred to the above-mentioned documents for the full intent and meaning of each clause thereof (hereinafter referred to by heading and clause number only) for which such allowance must be made as may be considered necessary				
	iv) Where standard clauses or alternatives are not entirely applicable to this contract such modifications, corrections or supplements as will apply are given under each relevant clause heading				
	v) Where any item is not relevant to this specific contract such item is marked N/A (signifying "not applicable")				
	vi) If Alternative A as set out in clause B10.3 hereinafter is to be used for the adjustment of the preliminaries each item priced is to be allocated to one or more of the three categories, where "F" denotes a fixed amount (amount not to be varied), "V" denotes an amount variable in proportion to value and "T" denotes an amount in proportion to time				
	vii) Any reference to the words "Tender" or "Tenderer" herein and/or in any other documentation shall be construed to have the same meaning as the words "Bid" or "Bidder"				
	<b>A1 DEFINITIONS AND INTERPRETATION</b>				
	Clause 1.0 Clause 1.1 Definition of "Commencement Date" is added:				
	Commencement date means the date that the agreement, made in terms of the Form of Offer and Acceptance, comes into effect				
	Clause 1.1 Definition of "Construction Guarantee" is amended by replacing it with the following:				
	Construction guarantee means guarantee at call obtained by the contractor from an institution approved by the employer in terms of the employer's construction guarantee form as selected in the schedule				
	Clause 1.1 Definition of "Construction Period" is amended by replacing it with the following:				
	Construction period means the period commencing on the commencement date and ending on the date of practical completion				
	Clause 1.1 Definition of "Corrupt Practice" is added:				
	Corrupt Practice means the offering , giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution				
	Clause 1.1 Definition of "Fraudulent Practice" is added:				

<p>Fraudulent Practice means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of any tenderer and includes collusive practice among tenderers (prior to or after the tender submission) designed to establish tender prices at artificial non-competitive levels and to deprive the tenderer of the benefits of free and open</p> <p>Clause 1.1 Definition of "Interest" is amended by replacing it with the following:</p> <p>"Interest" means the interest rates applicable on this contract, whether specifically indicated in the relevant clauses or not, will be the rate as determined by the Minister of Finance, from time to time, in terms of section 80(1)(b) of the Public Finance Management Act, 1999 (Act No. 1 of 1999).</p> <p>Clause 1.1 Definition of "Principal Agent" is amended by replacing it with the following:</p> <p>Principal Agent means the person or entity appointed by the employer and named in the schedule. In the event of a principal agent not being appointed, then all the duties and obligations of a principal agent as detailed in the agreement shall be fulfilled by a representative of the employer as named in the schedule.</p> <p>Clause 1.1 Definition of "Security" is amended by replacing it with the following:</p> <p>Security means the form of security provided by the employer or contractor, as stated in the schedule, from which the contractor or employer may recover expense or loss</p> <p>Clause 1.6 is amended by replacing the words "prepaid registered post, telefax or e-mail" with "prepaid registered post or telefax"</p> <p>Clause 1.6.4 is amended by replacing it with the following:</p> <p>No clause</p>				
<p>1 Fixed: _____ Value related: _____ Time related: _____</p>	Item	1		
<p><b>OBJECTIVE AND PREPARATION</b></p> <p><b>A2 OFFER, ACCEPTANCE AND PERFORMANCE</b></p>				
<p><u>Clause 2.0</u></p>				
<p>2 Fixed: _____ Value related: _____ Time related: _____</p>	Item	1		-
<p><b>A3 DOCUMENTS</b></p>				
<p><u>Clause 3.0</u></p>				
<p>Clause 3.2.1 is amended by replacing "14.1" with "14.0" Clause 3.7 is amended by the addition of the following: The contractor shall supply and keep a copy of the JBCC Series 2000 Principal Building Agreement and Preliminaries applicable to this contract on the site, to which the employer, principal agent and agents shall have access at all times. Clause 3.10 is amended by replacing the second reference to "principal agent" with the word "employer"</p>				
<p>3 Fixed: _____ Value related: _____ Time related: _____</p>	Item	1		-
<p><b>A4 DESIGN RESPONSIBILITY</b></p>				
<p><u>Clause 4.0</u></p>				
<p>Clause 4.3 is amended by replacing it with the following: No clause</p>				
<p>4 Fixed: _____ Value related: _____ Time related: _____</p>	Item	1		-
<p><b>A5 EMPLOYERS AGENTS</b></p>				

<u>Clause 5.0</u>					
Clause 5.1.2 is amended to include clauses 32.6.3, 34.3, 34.4 and 38.5.8					
5	Fixed: _____ Value related: _____ Time related: _____	Item	1		-
<b>A6 SITE REPRESENTATIVE</b>					
<u>Clause 6.0</u>					
6	Fixed: _____ Value related: _____ Time related: _____	Item	1		-
<b>A7 COMPLIANCE WITH REGULATIONS</b>					
<u>Clause 7.0</u>					
Note: A separate clause has been included in Section C: Specific Preliminaries of the bills of quantities for the contractor to have the opportunity to price for all the requirements of the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification					
7	Fixed: _____ Value related: _____ Time related: _____	Item	1		-
<b>A8 WORKS RISK</b>					
<u>Clause 8.0</u>					
8	Fixed: _____ Value related: _____ Time related: _____	Item	1		-
<b>A9 INDEMNITIES</b>					
<u>Clause 9.0</u>					
9	Fixed: _____ Value related: _____ Time related: _____	Item	1		-
<b>A10 WORKS INSURANCES</b>					
<u>Clause 10.0</u>					
The contractor shall be liable for and hereby indemnifies the employer against any and all liability, loss, claim or proceeding consequent upon loss of or damage to any moveable or immovable or personal property or property contiguous to the site, whether belonging to or under the control of the employer or any other body or person whomsoever arising out of or caused by a catastrophic ground movement, as mentioned above, which occurred during the period of the contract General insurances (clause 10)					
<u>10.5 Damage to the Works</u>					
Clause 10.0 is amended by the addition of the following clauses (a) Without in any way limiting the contractor’s obligations in terms of the contract, the contractor shall bear the full risk of damage to and/or destruction of the works by whatever cause during construction of the works and hereby indemnifies and holds harmless the employer against any such damage. The contractor shall take such precautions and security measures and other steps for the protection and security of the works as the contractor may deem necessary(b) The contractor shall at all times proceed immediately to remove or dispose of any debris arising from damage to or destruction of the works and to rebuild, restore, replace and/or repair the works(c) The employer shall carry the risk of damage to or destruction of the works and material paid for by the employer that is the result of the excepted risks as set out in 10.6(d) Where the employer bears the risk in terms of this contract, the contractor shall, if requested to do so, reinstate any damage or destroyed portions of the works and the costs of such reinstatement shall be measured and valued in terms of 32.0 hereof					
<u>10.6 Injury to Persons or loss of or damage to Properties</u>					

(a) The contractor shall be liable for and hereby indemnifies the employer against any liability, loss, claim or proceeding whether arising in common law or by statute, consequent upon personal injuries to or the death of any person whomsoever arising out of or in the course of or caused by the execution of the works unless due to any act or neglect of any person for whose actions the employer is legally liable (b) The contractor shall be liable for and hereby indemnifies the employer against any liability, loss, claim or proceeding consequent upon loss of or damage to any moveable or immovable or personal property or property contiguous to the site, whether belonging to or under the control of the employer or any other body or person, arising out of or in the course of or by reason of the execution of the works unless due to any act or neglect of any person for whose actions the employer is legally liable (c) The contractor shall be responsible for the protection and safety of such portions of the premises placed under his control by the employer for the purpose of executing the works until the issue of the certificate of practical completion (d) Where the execution of the works involves the risk of removal of or interference with support to adjoining properties including land or structures or any structures to be altered or added to, the contractor shall obtain adequate insurance and will remain adequately insured or insured to the specific limit stated in the contract against the death of or injury to persons or damage to such property consequent on such removal or interference with the support until such portion of the works has been completed (e) The contractor shall at all times proceed immediately at his own cost to remove or dispose of any debris and to rebuild, restore, replace and/or repair such property and to execute the works

#### 10.7 High risk insurance

In the event of the project being executed in a geological area classified as a "High Risk Area", that is an area which is subject to highly unstable subsurface conditions that might result in catastrophic ground movement evident by sinkhole or doline formation the following will apply:

##### 10.7.1 Damage to the works

The contractor shall, from the commencement date of the works until the date of the certificate of practical completion bear the full risk of and hereby indemnifies and holds harmless the employer against any damage to and/or destruction of the works consequent upon a catastrophic ground movement as mentioned above. The contractor shall take such precautions and security measures and other steps for the protection of the works as he may deem necessary

##### 10.7.2 Injury to persons or loss of or damage to property



	<p>The contractor shall be liable for and hereby indemnifies and holds harmless the employer against any liability, loss, claim or proceeding arising at any time during the period of the contract whether arising in common law or by statute, consequent upon personal injuries to or the death of any person whomsoever resulting from, arising out of or caused by a catastrophic ground movement as mentioned above. The contractor shall be liable for and hereby indemnifies the employer against any and all liability, loss, claim or proceeding consequent upon loss of or damage to any moveable or immovable or personal property or property contiguous to the site, whether belonging to or under the control of the employer or any other body or person whomsoever arising out of or caused by a catastrophic ground movement, as mentioned above, which occurred during the period of the contract. 10.7.3 It is the responsibility of the contractor to ensure that he has adequate insurance to cover his risk and liability as mentioned in 10.7.1 and 10.7.2. Without limiting the contractor's obligations in terms of the contract, the contractor shall, within twenty-one (21) calendar days of the commencement date but before commencement of the works, submit to the employer proof of such insurance policy, if requested to do so. 10.7.4 The employer shall be entitled to recover any and all losses and/or damages of whatever nature suffered or incurred consequent upon the contractor's default of his obligations as set out in 10.7.1; 10.7.2 and 10.7.3. Such losses or damages may be recovered from the contractor or by deducting the same from any amounts still due under this contract or under any other contract presently or hereafter existing between the employer and the contractor and for this purpose all these contracts shall be considered one indivisible whole.</p>				
10	<p>Fixed: _____ Value related: _____ Time related: _____</p> <p><b>A11 LIABILITY INSURANCES</b></p> <p><u>Clause 11.0</u></p>	Item	1		-
11	<p>Fixed: _____ Value related: _____ Time related: _____</p> <p><b>A12 EFFECTING INSURANCES</b></p> <p><u>Clause 12.0</u></p>	Item	1		-
12	<p>Fixed: _____ Value related: _____ Time related: _____</p> <p><u>A13. No clause</u></p>	Item	1		-
13	<p>Fixed: _____ Value related: _____ Time related: _____</p> <p><b>A14 SECURITY</b></p> <p><u>Clause 14.0</u></p>	Item	1		-

14	<p>Clauses 14.1 - 14.8 are amended by replacing them with the following: 14.1.1 The payment reduction of the value certified in a payment certificate shall be mutatis mutandi in terms of 31.8(A) 14.1.2 The employer shall be entitled to recover expense and loss from the payment reduction in terms of 33.0 provided that the employer complies with the provisions of 33.4 in which event the employer's entitlement shall take precedence over his obligations to refund the payment reduction security or portions thereof to the contractor 14.2 In respect of contracts with a contract sum above R1 million, the contractor shall have the right to select the security to be provided in terms of 14.3, 14.4, 14.5 or 14.6, as stated in the schedule. Such security shall be provided to the employer within twenty-one (21) calendar days from commencement date. Should the contractor fail to select the security to be provided or should the contractor fail to provide the employer with the selected security within twenty-one (21) calendar days from commencement date, the security in terms of 14.7 shall be deemed to have been selected. 14.3 Where security as a cash deposit of ten per cent (10%) of the contract sum (excluding VAT) has been selected: 14.3.1 The contractor shall furnish the employer with a cash deposit equal in value to ten per cent (10%) of the contract sum (excluding VAT) within twenty-one (21) calendar days from commencement date 14.3.2 Within twenty-one (21) calendar days of the date of practical completion of the works the employer shall reduce the cash deposit to an amount equal to three per cent (3%) of the contract value (excluding VAT), and refund the balance to the contractor 14.3.3 Within twenty-one (21) calendar days of the date of final completion of the works the employer shall reduce the cash deposit to an amount equal to one per cent (1%) of the contract value (excluding VAT) and refund the balance to the contractor 14.3.4 On the date of payment of the amount in the final payment</p>	Item	1	-
15	<p>Fixed: _____ Value related: _____ Time related: _____</p> <p><b>EXECUTION</b></p> <p><b>A15 PREPARATION FOR AND EXECUTION OF THE WORKS</b></p> <p><u>Clause 15.0</u></p> <p>Clause 15.1.1 is amended by replacing it with: No clause Clause 15.1 is amended by the addition of the following clause: 15.1.4 An acceptable health and safety plan, required in terms of the Occupational Health and Safety Act, 1993 (Act 85 of 1993), within twenty-one (21) calendar days of commencement date Clause 15.1.1 is amended by replacing it with: No clause Clause 15.1 is amended by the addition of the following clause: 15.1.4 An acceptable health and safety plan, required in terms of the Occupational Health and Safety Act, 1993 (Act 85 of 1993), within twenty-one (21) calendar days of commencement date Clause 15.2.1 is amended by replacing it with the following clause: Give the contractor possession of the site within ten (10) working days of the contractor complying with the terms of 15.1.4 commencement date Clause 15.2.1 is amended by replacing it with the following clause: Give the contractor possession of the site within ten (10) working days of the contractor complying with the terms of 15.1.4</p>	Item	1	-
16	<p>Fixed: _____ Value related: _____ Time related: _____</p> <p><b>A16 ACCESS TO THE WORKS</b></p> <p><u>Clause 16.0</u></p>	Item	1	-
17	<p>Fixed: _____ Value related: _____ Time related: _____</p> <p><b>A17 CONTRACT INSTRUCTIONS</b></p> <p><u>Clause 17.0</u></p>	Item	1	-
18	<p>Fixed: _____ Value related: _____ Time related: _____</p> <p><b>A18 SETTING OUT OF THE WORKS</b></p> <p><u>Clause 18.0</u></p>	Item	1	-

	<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. The contractor shall perform tolerance control checks regularly throughout the contract period and report on this at regular interval to the Principal Agent in the approved format. Should the contractor fail to comply with this requirement to the satisfaction of the Principal Agent, progressively as the structure is being constructed, the Employer will commission a Registered Land Surveyor to do so on the Contractor's behalf and at the Contractor's Expense.</p>				
19	<p>Fixed: _____ Value related: _____ Time related: _____</p> <p><b>A19 ASSIGNMENT</b></p> <p><u>Clause 19.0</u></p>	Item	1		-
20	<p>Fixed: _____ Value related: _____ Time related: _____</p> <p><b>A20 NOMINATED SUB-CONTRACTORS</b></p> <p><u>Clause 20.0</u></p> <p>Clause 20.1.3 is amended by replacing it with the following: No Clause Note: See item B9.1 hereinafter for adjustment of attendance on nominated subcontractors executing work allowed for under provisional sums</p>	Item	1		-
21	<p>Fixed: _____ Value related: _____ Time related: _____</p> <p><b>A21 SELECTED SUBCONTRACTORS</b></p> <p><u>Clause 21.0</u></p>	Item	1		-
22	<p>Fixed: _____ Value related: _____ Time related: _____</p> <p><b>A22 EMPLOYER'S DIRECT CONTRACTORS</b></p> <p><u>Clause 22.0</u></p> <p>The Contractor shall allow the direct contractors and employers agents access to the work, allocate reasonable space in the building for storage of their materials, tools and equipment, all to the satisfaction of the Principal Agent. The contractor shall also allow the direct contractors, etc. free of charge, use of their ablution facilities and water and power supply to the and shall in no way hinder or prevent the execution of their works. Attendance may be priced against the relevant specified items in the bills of quantities</p>	Item	1		-
23	<p>Fixed: _____ Value related: _____ Time related: _____</p> <p><b>A23 CONTRACTOR'S DOMESTIC SUBCONTRACTORS</b></p> <p><u>Clause 23.0</u></p>	Item	1		-
24	<p>Fixed: _____ Value related: _____ Time related: _____</p> <p><b>COMPLETION</b></p> <p><b>A24 PRACTICAL COMPLETION</b></p> <p><u>Clause 24.0</u></p>	Item	1		-
25	<p>Fixed: _____ Value related: _____ Time related: _____</p> <p><b>A25 WORK'S COMPLETION</b></p> <p><u>Clause 25.0</u></p>	Item	1		-
26	<p>Fixed: _____ Value related: _____ Time related: _____</p>	Item	1		-

<b>A26 FINAL COMPLETION</b>				
<u>Clause 26.0</u>				
Clause 26.1.2 is amended by inserting # next to 26.1.2				
27	Fixed: _____ Value related: _____ Time related: _____	Item	1	-
<b>A27 LATENT DEFECTS LIABILITY PERIOD</b>				
<u>Clause 27.0</u>				
28	Fixed: _____ Value related: _____ Time related: _____	Item	1	-
<b>A28 SECTIONAL COMPLETION</b>				
<u>Clause 28.0</u>				
29	Fixed: _____ Value related: _____ Time related: _____	Item	1	-
<b>A29 REVISION OF DATE FOR PRACTICAL COMPLETION</b>				
<u>Clause 29.0</u>				
Clause 29.1.1 shall be deemed to be omitted and replaced by the following: Inclement weather shall be defined as weather in excess of the average rainfall (volume and period) for each calendar month over the past ten (10) years as recorded by the nearest commonly recognised weather bureau in the region of the project. It shall be deemed that the contractor has adequately allowed in his programme and tendered rates for expenses which might result from delays due to average or below rainfall as described above				
30	Fixed: _____ Value related: _____ Time related: _____	Item	1	-
<b>A30 PENALTY FOR NON-COMPLETION</b>				
<u>Clause 30.0</u>				
31	Fixed: _____ Value related: _____ Time related: _____	Item	1	-
<b>PAYMENT</b>				
<b>A31 INTERIM PAYMENT TO THE CONTRACTOR</b>				
<u>Clause 31.0</u>				
Interim payment to the contractor (clause 31) Clause 31.5.2 is amended by replacing "14.7.1" with "14.0" Clause 31.8 is amended by replacing it with the following two alternative clauses:				
<u>Alternative A</u>				
31.8(A) Where a security is selected in terms of 14.1; 14.5 or 14.6, the value of the works in terms of 31.4.1 and materials and goods in terms of 31.4.2 shall be certified in full. The value certified shall be subject to the following percentage adjustments: 31.8(A).1 Ninety-five per cent (95%) of such value in interim payment certificates issued up to the date of practical completion 31.8(A).2 Ninety-seven per cent (97%) of such value in interim payment certificates issued on the date of practical completion and up to but excluding the date of final completion 31.8(A).3 Ninety-nine per cent (99%) of such value in interim payment certificates issued on the date of final completion and up to but excluding the final payment certificate in terms of 34.6 31.8(A).4 One hundred per cent (100%) of such value in the final payment certificate in terms of 34.6 except where the amount certified is in favour of the employer. In such an event the payment reduction shall remain at the adjustment level applicable to the final payment certificate				
<u>Alternative B</u>				

	<p>31.8(B) Where security is a payment reduction in terms of 14.7 has been selected, the value of the works in terms of 31.4.1 and materials and goods in terms of 31.4.2 shall be certified in full. The value certified shall be subject to the following percentage adjustments: 31.8(B).1 Ninety per cent (90%) of such value in interim payment certificates issued up to the date of practical completion. 31.8(B).2 Ninety-seven per cent (97%) of such value in interim payment certificates issued on the date of practical completion and up to but excluding the date of final completion. 31.8(B).3 Ninety-nine per cent (99%) of such value in interim payment certificates issued on the date of final completion and up to but excluding the final payment certificate in terms of 34.6 31.8(B).4 One hundred per cent (100%) of such value in the final payment certificate in terms of 34.6 except where the amount certified is in favour of the employer. In such an event the payment reduction shall remain at the adjustment level applicable to the final payment certificate. Clause 31.9 is amended by replacing "seven (7) calender days" with "thirty (30) calender days" and by deleting the words "subject to the contractor giving the employer a tax invoice for the amount due Clause 31.12 is amended by deleting the following: Payment shall be subject to the employer giving the contractor a tax invoice for the amount due</p>				
	<p><b>A32 ADJUSTMENT TO THE CONTRACT VALUE</b></p> <p><u>Clause 32.0</u></p> <p>Clauses 32.5.1, 32.5.4 and 32.5.7 are amended by the addition of the following at the end of the sentence: "due to no fault of the contractor"</p>				
32	Fixed: _____ Value related: _____ Time related: _____	Item	1		-
	<p><b>A33 RECOVERY OF EXPENSE AND LOSS</b></p> <p><u>Clause 33.0</u></p>				
33	Fixed: _____ Value related: _____ Time related: _____	Item	1		-
	<p><b>A34 FINAL ACCOUNT AND FINAL PAYMENT</b></p> <p><u>Clause 34.0</u></p> <p>Clause 34.1 is amended by removing # next to 34.1 Clause 34.2 is amended by inserting # next to 34.2 Clause 34.8 is amended by deleting the words "where security as a fixed construction guarantee in terms of 14.4 has been selected or where payment reductions has been applied in terms of 14.7.1" Clause 34.13 is amended by replacing "seven (7) calendar days" with "thirty (30) calendar days" and deleting the words "subject to the employer giving the contractor a tax invoice for the amount due"</p>				
34	Fixed: _____ Value related: _____ Time related: _____	Item	1		-
	<p><b>A35 PAYMENT TO OTHER PARTIES</b></p> <p><u>Clause 35.0</u></p>				
35	Fixed: _____ Value related: _____ Time related: _____	Item	1		-
	<p><b>CANCELLATION</b></p> <p><b>A36 CANCELLATION BY EMPLOYER - CONTRACTOR'S DEFAULT</b></p> <p><u>Clause 36.0</u></p>				

	<p>Clause 36.1 is amended by the addition of the following: 36.1.3 refuses or neglects to comply strictly with any of the conditions of contract 36.1.4 estate being sequestrated, liquidated or surrendered in terms of the insolvency laws in force within the Republic of South Africa 36.1.5 in the judgement of the employer, has engaged in corrupt or fraudulent practices in competing for or in executing the contract</p> <p>Clause 36.3 is amended by removing the reference to "No clause" and replacing the words "principal agent" with "employer"</p> <p>Clause 36.0 is amended by the addition of the following clause: 36.7 Notwithstanding any clause to the contrary, on cancellation of this agreement either by the employer or the contractor; or for any reason whatsoever, the contractor shall on written instruction, discontinue with the works on a date stated and withdraw himself from the site. The contractor shall not be entitled to refuse to withdraw from the works on the grounds of any lien or right of retention or on the grounds of any other right whatsoever</p>				
36	<p>Fixed: _____ Value related: _____ Time related: _____</p> <p><b>A37 TERMINATION BY EMPLOYER - LOSS AND DAMAGE</b></p> <p><u>Clause 37.0</u></p>	Item	1		-
37	<p>Fixed: _____ Value related: _____ Time related: _____</p> <p><b>A37 CANCELLATION BY EMPLOYER - LOSS AND DAMAGE</b></p> <p><u>Clause 37.0</u></p> <p>Clause 37.3.5 is amended by replacing "ninety (90)" with "one-hundred and twenty (120)". Clause 37.0 is amended by the addition of the following clause: 37.5 Notwithstanding any clause to the contrary, on cancellation of this agreement either by the employer or the contractor; or for any reason whatsoever, the contractor shall on written instruction, discontinue with the works on a date stated and withdraw himself from the site. The contractor shall not be entitled to refuse to withdraw from the works on the grounds of any lien or right of retention or on the grounds of any other right whatsoever.</p>	Item	1		-
38	<p>Fixed: _____ Value related: _____ Time related: _____</p> <p><b>A38 CANCELLATION BY CONTRACTOR - EMPLOYER'S DEFAULT</b></p> <p><u>Clause 38.0</u></p> <p>Clause 38.5.4 is amended by replacing "ninety (90)" with "one-hundred and twenty (120)" Clause 38.0 is amended by the addition of the following clause: 38.7 Notwithstanding any clause to the contrary, on cancellation of this agreement either by the employer or the contractor; or for any reason whatsoever, the contractor shall on written instruction, discontinue with the works on a date stated and withdraw himself from the site. The contractor shall not be entitled to refuse to withdraw from the works on the grounds of any lien or right of retention or on the grounds of any other right whatsoever.</p>	Item	1		-
39	<p>Fixed: _____ Value related: _____ Time related: _____</p> <p><b>A39 CANCELLATION - CESSATION OF THE WORKS</b></p> <p><u>Clause 39.0</u></p> <p>Clause 39.3.5 is amended by the addition of the following at the end of the sentence: "within one hundred and twenty (120) working days of completion of such report"</p>	Item	1		-
40	<p>Fixed: _____ Value related: _____ Time related: _____</p> <p><b>DISPUTE</b></p> <p><b>A40 DISPUTE SETTLEMENT</b></p> <p><u>Clause 40.0</u></p>	Item	1		-

	Clause 40.2.2 is amended by replacing "one year" with "three (3) years" Clause 40.6 is amended by removing the reference to: No clause Clause 40.7.1 is amended by replacing "(10)" with "(15)" and by the addition of the following: Whether or not mediation resolves the dispute, the parties shall bear their own cost concerning the mediation and equally share the costs of the mediator and related costs				
41	Fixed: _____ Value related: _____ Time related: _____	Item	1		-
	<b>SUBSTITUTE PROVISIONS</b>				
	<b>A41 STATE CLAUSES</b>				
	<u>Clause 41.0</u>				
42	Fixed: _____ Value related: _____ Time related: _____	Item	1		-
	<b>CONTRACT VARIABLES</b>				
	<b>THE SCHEDULE (C1.2 CONTRACT DATA)</b>				
	<b>A42 PRE-TENDER INFORMATION</b>				
	<u>Clause 42.0</u>				
	Tenderers are referred to the notes to tenderers for variables pertaining to this contract.				
43	Fixed: _____ Value related: _____ Time related: _____	Item	1		-
	<b>A42 POST-TENDER INFORMATION</b>				
	<u>Clause 42.0</u>				
	The required post-tender information shall be inserted in the agreement after consultation with the contractor				
44	Fixed: _____ Value related: _____ Time related: _____	Item	1		-
	<b>SECTION B: JBCC PRELIMINARIES</b>				
	<b>B1.0 DEFINITIONS AND INTERPRETATION</b>				
	<u>Clause 42.0</u>				
	B1.1 Definitions and interpretation				
45	Fixed: _____ Value related: _____ Time related: _____	Item	1		-
	<b>B2.0 DOCUMENTS</b>				
	<u>B2.1 Checking of documents</u>				
46	Fixed: _____ Value related: _____ Time related: _____	Item	1		-
	<u>B2.2 Provisional bills of quantities</u>				
47	Fixed: _____ Value related: _____ Time related: _____	Item	1		-
	<u>B2.3 Availability of construction documentation</u>				
48	Fixed: _____ Value related: _____ Time related: _____	Item	1		-
	<u>B2.4 Interests of agents</u>				
49	Fixed: _____ Value related: _____ Time related: _____	Item	1		-
	<u>B2.5 Priced documents</u>				
50	Fixed: _____ Value related: _____ Time related: _____	Item	1		-

<u>B2.6 Tender submission</u>					
B1.1 Definitions and interpretation					
51	Fixed: _____ Value related: _____ Time related: _____	Item	1		-
<b>B3.0 THE SITE</b>					
<u>B3.1 Defined works area</u>					
The area of the works to be occupied by the contractor, any restriction on the area and the limit of access or exit will be pointed out to the contractor by the Principal Agent on handing over of the site					
52	Fixed: _____ Value related: _____ Time related: _____	Item	1		-
<u>B3.2 Geotechnical investigation</u>					
53	Fixed: _____ Value related: _____ Time related: _____	Item	1		-
<u>B3.3 Inspection of the site</u>					
Tenderers shall complete the Site Inspection Certificate included in the tender documents and return the same with the tender submission					
54	Fixed: _____ Value related: _____ Time related: _____	Item	1		-
<u>B3.4 Existing premises occupied</u>					
55	Fixed: _____ Value related: _____ Time related: _____	Item	1		-
<u>B3.5 Previous work - dimensional accuracy</u>					
56	Fixed: _____ Value related: _____ Time related: _____	Item	1		-
<u>B3.6 Previous work - defects</u>					
57	Fixed: _____ Value related: _____ Time related: _____	Item	1		-
<u>B3.7 Services - known</u>					
58	Fixed: _____ Value related: _____ Time related: _____	Item	1		-
<u>B3.8 Services - unknown</u>					
59	Fixed: _____ Value related: _____ Time related: _____	Item	1		-
<u>B3.9 Protection of trees</u>					
60	Fixed: _____ Value related: _____ Time related: _____	Item	1		-
<u>B3.10 Articles of value</u>					
61	Fixed: _____ Value related: _____ Time related: _____	Item	1		-
<u>B3.11 Inspection of adjoining properties</u>					
62	Fixed: _____ Value related: _____ Time related: _____	Item	1		-
<b>B4.0 MANAGEMENT OF CONTRACT</b>					
<u>B4.1 Management of the works</u>					
63	Fixed: _____ Value related: _____ Time related: _____	Item	1		-
<u>B4.2 Programme for the works</u>					
64	Fixed: _____ Value related: _____ Time related: _____	Item	1		-



<u>B4.3 Progress meetings</u>					
65	Fixed: _____ Value related: _____ Time related: _____	Item	1		-
<u>B4.4 Technical meetings</u>					
66	Fixed: _____ Value related: _____ Time related: _____	Item	1		-
<u>B4.5 Labour and plant records</u>					
67	Fixed: _____ Value related: _____ Time related: _____	Item	1		-
<b>B5.0 SAMPLES, SHOP DRAWINGS AND MANUFACTURERS' INSTRUCTIONS</b>					
<u>B5.1 Samples of materials</u>					
68	Fixed: _____ Value related: _____ Time related: _____	Item	1		-
<u>B5.2 Workmanship samples</u>					
69	Fixed: _____ Value related: _____ Time related: _____	Item	1		-
<u>B5.3 Shop drawings</u>					
70	Fixed: _____ Value related: _____ Time related: _____	Item	1		-
<u>B5.4 Compliance with manufacturers instructions</u>					
71	Fixed: _____ Value related: _____ Time related: _____	Item	1		-
<b>B6.0 TEMPORARY WORKS AND PLANT</b>					
<u>B6.1 Deposits and fees</u>					
72	Fixed: _____ Value related: _____ Time related: _____	Item	1		-
<u>B6.2 Enclosure of the works</u>					
73	Fixed: _____ Value related: _____ Time related: _____	Item	1		-
<u>B6.3 Advertising</u>					
74	Fixed: _____ Value related: _____ Time related: _____	Item	1		-
<u>B6.4 Plant, equipment, sheds and offices</u>					
75	Fixed: _____ Value related: _____ Time related: _____	Item	1		-
<u>B6.5 Main notice board</u>					
76	Fixed: _____ Value related: _____ Time related: _____	Item	1		-
<u>B6.6 Subcontractors notice board</u>					
77	Fixed: _____ Value related: _____ Time related: _____	Item	1		-
<b>B7.0 TEMPORARY SERVICES</b>					
<u>B7.1 Location</u>					
78	Fixed: _____ Value related: _____ Time related: _____	Item	1		-
<u>B7.2 Water</u>					
79	Fixed: _____ Value related: _____ Time related: _____	Item	1		-
<u>B7.3 Electricity</u>					
80	Fixed: _____ Value related: _____ Time related: _____	Item	1		-
<u>B7.4 Telecommunication facilities</u>					

81	Fixed: _____ Value related: _____ Time related: _____ <u>B7.5 Ablution facilities</u>	Item	1	-
82	Fixed: _____ Value related: _____ Time related: _____ <b>B8.0 PRIME COST AMOUNTS</b> <u>B8.1 Responsibility for prime cost amounts</u>	Item	1	-
83	Fixed: _____ Value related: _____ Time related: _____ <b>9.0 ATTENDANCE ON N/S SUBCONTRACTORS</b> <u>B9.1 General attendance</u>	Item	1	-
84	Fixed: _____ Value related: _____ Time related: _____ <u>B9.2 Special attendance</u>	Item	1	-
85	Fixed: _____ Value related: _____ Time related: _____ <u>B9.3 Commissioning - fuel, water and electricity</u>	Item	1	-
86	Fixed: _____ Value related: _____ Time related: _____ <b>B10.0 FINANCIAL ASPECTS</b> <u>B10.1 Statutory taxes, duties and levies</u>  Provision is made in the summary of these bills of quantities for the inclusion of Value Added Tax (VAT)	Item	1	-
87	Fixed: _____ Value related: _____ Time related: _____ <u>B10.2 Payment for preliminaries</u>	Item	1	-
88	Fixed: _____ Value related: _____ Time related: _____ <u>B10.3 Adjustment of preliminaries</u>  Clauses B10.3.1 and B10.3.2 are amended by replacing "within fifteen (15) working days of taking possession of the site" with "in his priced bills of quantities / lump sum document submitted with his tender offer".	Item	1	-
89	Fixed: _____ Value related: _____ Time related: _____ <u>B10.4 Payment certificate cash flow</u>	Item	1	-
90	Fixed: _____ Value related: _____ Time related: _____ <b>B11. GENERAL</b> <u>B11.1 Protection of the works</u>	Item	1	-
91	Fixed: _____ Value related: _____ Time related: _____ <u>B11.2 Protection / isolation of existing / sectionally occupied works</u>	Item	1	-
92	Fixed: _____ Value related: _____ Time related: _____ <u>B11.3 Security of the works</u>	Item	1	-
93	Fixed: _____ Value related: _____ Time related: _____ <u>B11.4 Notice before covering work</u>	Item	1	-
94	Fixed: _____ Value related: _____ Time related: _____ <u>B11.5 Disturbance</u>	Item	1	-

95	Fixed: _____ Value related: _____ Time related: _____ <u>B11.6 Environmental disturbance</u>	Item	1	-
96	Fixed: _____ Value related: _____ Time related: _____ <u>B11.7 Works cleaning and clearing</u>	Item	1	-
97	Fixed: _____ Value related: _____ Time related: _____ <u>B11.8 Vermin</u>	Item	1	-
98	Fixed: _____ Value related: _____ Time related: _____ <u>B11.9 Overhand work</u>	Item	1	-
99	Fixed: _____ Value related: _____ Time related: _____ <u>B11.10 Instruction manuals and guarantees</u>	Item	1	-
100	Fixed: _____ Value related: _____ Time related: _____ <u>B11.11 As built information</u>	Item	1	-
101	Fixed: _____ Value related: _____ Time related: _____ <u>B11.12 Tenant installations</u>	Item	1	-
102	Fixed: _____ Value related: _____ Time related: _____  <b>B12. SCHEDULE OF VARIABLES</b>  <u>B12.1 Schedule of variables</u>  This schedule contains all variables referred to in this document and is divided into pre-tender and post-tender categories. The pre-tender category must be completed in full and included in the tender documents. Both the pre-tender and post-tender categories form part of these Preliminaries. Spaces requiring information must be filled in, shown as "not applicable" or deleted and not left blank. Where choices are offered, the non-applicable items are to be deleted. Where insufficient space is provided the information should be annexed hereto and cross-referenced to the applicable clause of the schedule. Key cross reference clauses are italicised in [ ] brackets.  <b>12.1 PRE TENDER INFORMATION</b>  <u>12.1.1 Provisional Bills of Quantities</u>  [2.2] The quantities are provisional YES  <u>12.1.2 Availability of construction documentation</u>  [2.3] Construction of documentation is complete YES  <u>12.1.3 Interest of agents</u>  [2.4] Details: NIL  <u>12.1.4 Defined works area</u>  [3.1] Details: The work area will be pointed out to the contractor by the principal agent to the contractor who will sign written acknowledgement therefore before commencing operations.  <u>12.1.5 Geotechnical investigation</u>  A Geotechnical Investigation Report is included in this document.  <u>12.1.6 Existing premises occupied</u>	Item	1	-

[3.4] Specific requirements: The premises will be in use and occupied during the course of this contract. The contractor shall execute the works in such a manner as will least interfere with the general routine of the occupants of the premises and shall minimise any nuisance from dust, noise or other causes.

#### 12.1.7 Previous work - dimensional accuracy

The contractor shall, within reasonable period after taking possession of the site, but not exceeding ten (10) percent of the construction period or twenty (20) working days whichever is the lesser, check existing levels, lines, profiles and the like affecting the works and satisfy himself as to the dimensional accuracy of work previously executed. The contractor shall forthwith notify the principal agent and request a contract instruction regarding any dimensional inaccuracy found in work previously executed

#### 12.1.8 Previous work - defects

The contractor on becoming aware of a defect in work previously executed shall forthwith notify the principal agent requesting a contract instruction regarding such defect

#### 12.1.9 Services - known

Existing services and points of connection are shown on the site plan or will be pointed out on the site by the principal agent

#### 12.1.10 Protection of trees

[3.9] Specific requirements: Only those trees and shrubs indicated as such on the drawings shall be removed or cut back. The remainder of the trees and shrubs shall be left undamaged.

#### 12.1.11 Inspection of adjoining properties

The contractor shall make his own arrangements with the owners of adjoining properties in order to execute the works

#### 12.1.12 Enclosure of the works

The contractor shall erect, maintain and remove on completion, hoardings with gantries, fans, safety screens, barriers, access gates, covered gangways and the like as necessary for the enclosure of the works and elements thereof all for the protection of the public and others

#### 12.1.13 Offices

The contractor shall provide, maintain and remove on completion of the works an office for the exclusive use of the principal agent, minimum size 4 x 3 x 3m high internally, suitable insulated and ventilated, provided with electric lighting, and fitted with boarded floor, desk, chair, drawing stool, drawing board and lock-up drawers for drawings. The office shall be kept clean and fit for use at all times

#### 12.1.14 Main notice board

[6.5] Specific requirements: The contractor shall provide, erect where directed, maintain and remove on completion of the works a notice board size 3 x 3m, constructed of suitable boarding with flat smooth surface and with edging bead 19mm thick round outer edges and projecting 12mm from face of boarding and rounded on front edge. The board shall be securely fixed to hoarding, where hoarding is provided, or fixed to and including a suitable supporting structure of timber or tubular posts and braces. The board is to be painted ivory white and the bead and 12mm wide dividing lines dark green. All wording shall be inscribed in dark green as per the coat of arms for SA. All wording shall be inscribed in dark green painted sans serif lettering.

#### 12.1.15 Subcontractors' notice board

[6.6] Specific requirements: NIL

12.1.16 Water

[7.2] Option A (by contractor ) YES Option B (by employer - free of charge)  
NO Option C (by employer - metered) NO

12.1.17 Electricity

[7.3] Option A (by contractor) YES Option B (by employer - free of charge)  
NO Option C (by employer - metered) NO

12.1.18 Telecommunications

[7.4] Telephone NO Facsimile NO E-mail YES

12.1.19 Ablution facilities

[7.5] Option A (by contractor) YES Option B (by employer - free of charge)  
NO Option C (by employer - metered) NO

12.1.20 Protection of existing/sectionally occupied works

[11.2] Protection is required YES

12.1.21 Special attendance

[9.2] Subcontractor (1) details: Subcontractor (2) details: Subcontractor (3)  
details: Subcontractor (4) details:

12.1.22 Protection of works

[11.1] Specific requirements: N/A

12.1.23 Disturbance

[11.5] Specific requirements: The contractor shall keep the site, structures, etc  
well watered during operations to prevent dust and shall provide and erect  
and remove on completion of the works all necessary temporary dust screens  
all to the satisfaction of the principal agent.

12.1.24 Environmental disturbance

[11.6] Specific requirements: N/A

**12.2 POST-TENDER INFORMATION**

12.2.1 Payment of preliminaries

[10.2] Option A (pro-rated) YES/NO Option B (calculates)YES/NO

12.2.2 Adjustment of preliminaries

(10.3) Option A (three categories) YES/NO Option B (detailed breakdown)  
YES/NO

12.2.3 Additional agreed preliminaries items

Details: N/A

**SECTION C: SPECIFIC PRELIMINARIES**

Section C contains specific preliminary items which apply to this contract  
except where N/A (Not Applicable) appears against an item.

**C1 CONTRACT DRAWINGS**

	<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. 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>				
103	<p>Fixed: _____ Value related: _____ Time related: _____</p> <p><b>C2 GENERAL PREAMBLES</b></p> <p>These tender documents "General Specification (PW 371-A) July 2013" and "Particular Specification (PW 371-B) July 2013" which are both obtainable on Public Works website alternatively a copy can be e-mailed on request from the Quantity Surveyor offices, and shall be read in conjunction with the bills of quantities and be referred to for the full descriptions of work to be done and materials to be used. No claim arising from brevity of description of items fully described in the said Preambles for Trades 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.</p>	Item	1		-
104	<p>Fixed: _____ Value related: _____ Time related: _____</p> <p><b>C3 TRADE NAMES</b></p> <p>Wherever a trade name for 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. If prior written approval for an alternative product is not obtained, the product described shall be deemed to have been tendered for.</p>	Item	1		-
105	<p>Fixed: _____ Value related: _____ Time related: _____</p> <p><b>C4 IMPORTED MATERIALS AND EQUIPMENT</b></p> <p>Where imported items are listed in the tender documents, the tenderer shall provide all the information called for, failing which the price of any such item, materials or equipment shall be excluded from currency fluctuations. (refer to Schedule of Imported Materials and Equipment to be completed by tenderer). Notwithstanding any provisions elsewhere regarding the adjustment of contract prices, the price of any item, material or equipment listed in terms of this clause shall be excluded from the Contract Price Adjustment Provisions (if applicable).</p>	Item	1		-
106	<p>Fixed: _____ Value related: _____ Time related: _____</p> <p><b>C5 VIEWING THE SITE IN SECURITY AREAS</b></p> <p>The site is situated in a security area and the tenderer must arrange with the unit commander or other responsible officer to obtain permission to enter the site for tendering purposes.</p>	Item	1		-
107	<p>Fixed: _____ Value related: _____ Time related: _____</p> <p><b>C6 COMMENCEMENT OF WORK IN SECURITY AREAS</b></p> <p>As the works fall within a security area the contractor must give the unit commander or other responsible officer notice before commencement of the works. Should the contractor fail to make such arrangements, admission to the site may be refused and any additional costs will be for the contractor's account.</p>	Item	1		-

108	Fixed: _____ Value related: _____ Time related: _____	Item	1	-
<b>C7 ENTRANCE PERMITS TO SECURITY AREAS</b>				
As the works fall within a security area the contractor shall obtain entrance permits for his personnel and workmen entering the area and shall comply with all regulations and instructions which may be issued from time to time regarding the protection of persons and property under the control of the Defence Force, Police or chief security officer.				
109	Fixed: _____ Value related: _____ Time related: _____	Item	1	-
<b>C8 SECURITY CHECK OF PERSONNEL</b>				
The principal agent may require the contractor to have his personnel and workmen, or a certain number of them, security classified. In the event of the principal agent requesting the removal of a person or persons from the works for security reasons, the contractor shall do so forthwith and shall thereafter ensure that such person or persons are denied access to the works and the site and/or any document or information relating to the work.				
110	Fixed: _____ Value related: _____ Time related: _____	Item	1	-
<b>C9 PROHIBITION OF TAKING PHOTOGRAPHS</b>				
The contractor shall obtain prior authorisation from the employer for the making of any sketches or the taking of any photographs of any site, installation, building or civil works belonging to the employer and shall ensure that all personnel, subcontractors and other persons entering the site shall comply with this requirement as well.				
111	Fixed: _____ Value related: _____ Time related: _____	Item	1	-
<b>C10 HIV/AIDS AWARENESS</b>				
It is required of the contractor to thoroughly study the HIV/AIDS Specification (PW 1544) of the Department that must be read together with and is deemed to be incorporated under this Section of the bills of quantities / lump sum document. Provision for pricing of HIV/AIDS awareness is made under the two items below 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. The contractor must take note that compliance with the HIV/AIDS Specification is compulsory. In the event of partial or total non-compliance, the principal agent, notwithstanding the provisions of Clause A 31 of "Section 1: Preliminaries (Section A)" or any other clause to the contrary, reserves the right to delay issuing any progress payment certificate until the contractor provides satisfactory proof of compliance. The contractor shall not be entitled to any compensation of whatsoever nature, including interest, due to such delay of payment				
112	Fixed: _____ Value related: _____ Time related: _____	Item	1	-
<b>C10.1 AWARENESS CHAMPION</b>				
Selection, appointment, briefing and making available of an Awareness Champion including provision of all relevant services, all in accordance with the HIV/AIDS Specification.				
113	Fixed: _____ Value related: _____ Time related: _____	Item	1	-
<b>C10.2 AWARENESS WORKSHOPS</b>				

	Selection and appointment of a competent Service Provider approved by the principal agent, provision of a Service Provider Workshop Plan and a suitable venue, conducting of awareness workshops by means of traditional and/or modern multi-media techniques, including follow-up courses, making available all tuition material and performing assessment procedures, all in accordance with the HIV/AIDS Specification.				
114	Fixed: _____ Value related: _____ Time related: _____  <b>C10.3 POSTERS, BOOKLETS, VIDEOS, ETC.</b>  Provision, displaying, maintaining and replacing when necessary of four plastic laminated posters, booklets and educational videos, etc. for the duration of the construction period, all in accordance with the HIV/AIDS Specification.	Item	1		-
115	Fixed: _____ Value related: _____ Time related: _____  <b>C10.4 ACCESS TO CONDOMS</b>  Provision and maintenance of condom dispensers fixed in position, including male and female condoms, replenishing 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.	Item	1		-
116	Fixed: _____ Value related: _____ Time related: _____  <b>C10.5 CO-OPERATION OF CONTRACTOR FOR COST MANAGEMENT</b>  It is specifically agreed that the contractor accepts the obligation of assisting the principal agent in implementing proper cost management. The contractor will be advised by the principal agent of all cost management procedures which will be implemented to ensure that the final building cost does not exceed the budget. The principal agent undertakes to make available to the contractor all budgetary allowances and cost assessments/reports to enable the proper procedures 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	Item	1		-
117	Fixed: _____ Value related: _____ Time related: _____  <b>C10.6 MONITORING</b>  Monitoring HIV/AIDS awareness of workers, providing the principal agent with access to information including making available all reports, thoroughly completed and reflecting the correct information, for the duration of the construction period and close out, all in accordance with the HIV/AIDS Specification.	Item	1		-
118	Fixed: _____ Value related: _____ Time related: _____  <b>C11 OCCUPATIONAL HEALTH AND SAFETY ACT</b>	Item	1		-



	<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). 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 interest, due to such delay of payment. Provision 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>				
119	<p>Fixed: _____ Value related: _____ Time related: _____</p> <p><b>C11.1 OCCUPATIONAL HEALTH AND SAFETY MEASURES IN WORKPLACES COVID-19 (C19 OHS)</b></p> <p>The contractor shall comply with all the requirements set out in the COVID-19 Health and Safety Baseline Specification as contained within these tender documents and 2003 issued under the Occupational Health and Safety Act, 1993 (Act No 85 of 1993) in particular Hazardous Biological Agents Regulations governing workplaces in relation to Coronavirus Disease 2019 cause by SARS-CoV-2 and the COVID-19 Occupational Health and Safety Measures in Workplace COVID-19 (C19 OHS), 2020. The contractor must take note that compliance with the COVID-19 Health and Safety Baseline Specification as contained within these tender documents and 2003 issued under the Occupational Health and Safety Act, 1993 (Act No 85 of 1993) in particular Hazardous Biological Agents Regulations governing workplaces in relation to Coronavirus Disease 2019 cause by SARS-CoV-2 and the COVID-19 Occupational Health and Safety Measures in Workplace COVID-19 (C19 OHS), 2020 is compulsory. In the event of partial or total non-compliance, the principal agent, notwithstanding the provisions of clause A31.0 of Section A or any other clause to the contrary, reserves the right to delay issuing any progress payment certificate until the contractor provides satisfactory proof of compliance. The contractor shall not be entitled to any compensation of whatsoever nature, including interest, due to such delay of payment. Provision for pricing of the COVID-19 Health and Safety Baseline Specification and Occupational Health and Safety Act in particular Hazardous Biological Agents Regulations governing workplaces in relation to Corona virus Disease 2019 cause by SARS-CoV-2 and the COVID-19 Occupational Health and Safety Measures in Workplace COVID-19 (C19 OHS), 2020 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	1		-
120	<p>Fixed: _____ Value related: _____ Time related: _____</p> <p><b>C12 REPORTING BY CONTRACTOR</b></p> <p>The contractor is required to complete the attached Contractors Monthly Report which is to be submitted together with the contractors payment claim. Payment of the contractor is conditional on this information being accurate and timeously provided.</p>	Item	1		-
121	<p>Fixed: _____ Value related: _____ Time related: _____</p> <p><b>C13 LOCAL LABOUR AND BUILDING MATERIALS</b></p> <p><b>C13.1 GENERAL</b></p>	Item	1		-

Allow for monthly submission of proof of employment of local skilled and unskilled labour to the principal agent. 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. Should adequate and appropriate labour not be available within the locality, other labour may be 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 utilisation of local labour in the construction process. The contractor shall furthermore give preference, wherever possible to the employment of single heads of households, women and youth. The contractor shall, in general, maximise the involvement of the local community.

122 Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time related: \_\_\_\_\_

Item

1

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### **C13.2 LOCAL BUILDING MATERIALS**

Preference shall be given to the supply of materials produced or manufactured in the North West Province provided that: a) Such materials comply in all respects with the specific requirements of PW371 specification b) The availability of such materials shall not adversely affect the desired progress of the specific works c) The use of such materials shall not constitute grounds for any claim for increased cost in respect thereof

## **SECTION 2 : BUILDING WORKS**

### **PREAMBLES**

#### **BILL NO. 1 : REMOVAL AND DISPOSAL OF ASBESTOS ROOF COVERINGS AND ANY ASBESTOS CONTAMINATED MATERIALS**

#### **Safety Guide to Asbestos Removal**

Note: Tenderers are drawn to all Health and Safety rules for managing and disposing of asbestos. The contractor undertaking to remove asbestos should be a fully licensed asbestos removal specialist to remove the toxic waste safely. The basic requirements for asbestos removal protection, includes the wearing of a dust mask and a disposable overall.

In taking down and removing existing work, the utmost care is to be taken to avoid structural or other damage to the remaining portions of the building. Supply and erect suitable and substantial shoring, needling, strutting, barricading etc that may be necessary whilst carrying out any portion of the alterations to ensure the stability of the premises during alterations, all to the satisfaction of the architect, and remove when directed. The contractor must also protect all work not removed such as walls, floors, doors, windows, joinery, loose and fixed fittings, electrical appliances, etc from damage during the progress of the work and provide all necessary materials for so doing.

Tenderers are requested to inspect the works and check for themselves the site conditions which are likely to effect the progress of their work. No claims by the contractor will be considered afterwards by the principal agent .

The appointed contractor to carry out the works should be experienced in such demolition work involving the handling and removal of asbestos contaminated materials, and must be fully aware of the risks involved when working with asbestos.

The contractor is responsible to provide the appropriate personal protective equipment and be proficient in the different work practices which are appropriate for such works. Monitoring of the atmosphere for possible contamination during the works is to be carried out in accordance with the relevant legislations.

	<p>A written authorisation from the occupational health and authority is to be obtained, setting out the conditions and procedures to be followed in the handling and removal of asbestos containing material.</p> <p>The contractor shall obtain from the competent authorities all permits, and licences required by law for the removal and disposal of the asbestos containing materials. A copy of these permits and licences are to be handed to the principal agent prior to the commencement of the works.</p> <p>The work procedure, as approved by the OHS is to be made available to the principal agent. The contractor is to inform the relevant authorities and the principal agent if changes are to be made to this work procedure.</p> <p>The contractor is to take full responsibility of the asbestos contaminated material once it has been removed from the site. The contractor shall become the legal owner of the material and he will be responsible for the temporary storage of this material and its exportation to an approved dumping site.</p> <p>The contractor shall provide the principal agent with a record of the amount of asbestos contaminated material removed from the site. He shall also provide the principal agent with a certificate showing that this material has been transported safely to a temporary site. Once this material has been exported and deposited at a dumping site, a copy of the certificate showing that it has been deposited shall be passed on to the principal agent.</p> <p>At the site where the work was carried out from any traces of dust and debris. Testing of the site after the dismantling works are complete is required and a copy of the results shall be submitted to the principal agent prior to any payments being made.</p> <p>All fees paid in connection with the application for the above works in caption shall be borne by the contractor.</p> <p><b><u>TEMPORARY BARRIERS, SCREENS, ETC</u></b></p> <p><b><u>Temporary barriers, screens, etc including removal</u></b></p>				
1	Dust screen 3000mm high formed of suitable timber framing with 375 micron polythylene sheeting stapled on including corners, ends, etc	m			
	<b><u>REMOVAL OF ASBESTOS ROOF COVERINGS</u></b>				
2	<u>Allow for any costs not already included in the price of the BOQ above arising from the tenderers obligation to adhere to the conditions of handling of asbestos materials regulations.</u>	m <sup>2</sup>	1105		-
3	<u>Carefully remove the existing asbestos roof sheeting panels from the roof inclusive of the dismantling and reassembling of the roof support framework, load and cartaway from site as specified above. Rate to include for sealing off the building. All for any costs and charges for the disposal of asbestos containing material and any other related costs. No claims will be considered afterwards.</u>				
	Block 1 ( 5 x Classrooms)	m <sup>2</sup>	430		-
	Block 2 (Staffroom and School Hall)	m <sup>2</sup>	260		-
	Block K 3 ( 3 x Classrooms)	m <sup>2</sup>	255		-
	Block 4 ( 3 x Classrooms & Admin Offices)	m <sup>2</sup>	380		-
	Block 5 (Staff Accommodation)	m <sup>2</sup>	80		-
4	<u>Allow for any costs for the cleaning of the site, including the roof structure from any traces of dust and debris.</u>	m <sup>2</sup>	1105		-
	<b><u>DEMOLITIONS, ETC</u></b>				
5	Carefully disconnect electrical installation and electrical fittings, under the supervision of a qualified electrician and in consultation with the electrical engineer to two classroom blocks (Block 3 and Block 4)	No.	2		-

6	Breakdown and demolish existing building size 26.22m long x 8.06m wide x 3.1m high complete including cutting the foundation wall, strip footings, columns, roof covering etc removal of surface beds, backfilling, cart away etc of all rubble and leaving no visible sign of the building ( Block Three)	m <sup>2</sup>	215	-
7	Breakdown and demolish existing building size 35.24m long x 9.34m wide x 3.1m high complete including cutting the foundation wall, strip footings, columns, roof covering etc removal of surface beds, backfilling, cart away etc of all rubble and leaving no visible sign of the building ( Block Four)	m <sup>2</sup>	330	-
<b><u>SECTION 2 : BUILDING WORKS</u></b>				
<b><u>BILL NO. 2 : ALTERATIONS</u></b>				
<b>PREAMBLES</b>				
The Tenderer is referred to the relevant Clauses in the separate documents General Specification (PW 371-A) July 2013 and Particular Specification (PW 371B) July 2013.				
<b>SUPPLEMENTARY PREAMBLES</b>				
<b>View site</b>				
Before submitting his tender the contractor shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials contained in the buildings or portions of the buildings to be demolished. No claim for any variations of the contract sum in respect of the nature and extent of the work or of inferior or damaged materials will be entertained				
<b>General</b>				
The contractor shall carry out the whole of the works with as little mess and noise as possible and with a minimum of disturbance to adjoining premises and their tenants. He shall provide proper protection and provide, erect and remove when directed, any temporary tarpaulins that may be necessary during the progress of the works, all to the satisfaction of the principal agent Water supply pipes and other piping that may be encountered and found necessary to disconnect or cut, shall be effectually stopped off or grubbed up and removed, and any new connections that may be necessary shall be made with proper fittings, to the satisfaction of the principal agent Doors, fanlights, fittings, frames, linings, etc which are to be re-used shall be thoroughly overhauled before refixing including taking off, easing and rehanging, cramping up, re-wedging as required and making good cramps, dowels, etc, and easing, oiling, adjusting and repairing ironmongery as necessary, replacing any glass damaged in removal or subsequently and stopping up all nail and screw holes with tinted plastic wood to match timber, unless otherwise described. Re-painting or re-varnishing is given separately Prices for taking out of doors, windows, etc shall include for removal of all beads, architraves, ironmongery, etc Prices for taking out and removing doors and frames shall include for removing door stops, cabin hooks, etc and making good floor and wall finishes to match existing With regard to building up of openings in existing walls, cement screeds and pavings, granolithic, tops of walls, etc, shall be levelled and prepared for raising of brickwork Making good of finishes shall include making good of the brick and concrete surfaces onto which the new finishes are applied, where necessary The contractor will be required to take all dimensions affecting the existing buildings on the site and he will be held solely responsible for the accuracy of all such dimensions where used in the manufacture of new items (doors, windows, fittings, etc)				
<b><u>BLOCK 1, 2 and 5: EXISTING CLASSROOMS BLOCKS ALTERATION</u></b>				
<b>REMOVAL OF EXISTING WORK</b>				
1	<u>Take out existing screeds, plaster and make good, ready to receive new screed and palster.</u>	m <sup>2</sup>	515	-

2	<u>Breaking down and removing brickwork etc</u>				
	Half brick walls	m <sup>2</sup>	80		-
	One brick walls	m <sup>2</sup>	45		-
3	<u>Taking out and removing doors, windows, etc, including thresholds, sills, etc to be demolished (building up openings (if required) and making good finishes elsewhere)</u>				
	Timber single door only not exceeding 2,5m <sup>2</sup>	No	8		-
	Timber single door and steel frame not exceeding 2,5m <sup>2</sup>	No	8		-
4	<u>Taking out and removing all broken window panes, cleaning up and making good to receive new window panes.</u>	m <sup>2</sup>	48		-
5	<u>Clean out all internal surfaces ready to take new paint</u>				
	Walls and Beams	m <sup>2</sup>	890		-
	Fibre Cement Surfaces	m <sup>2</sup>	30		-
	Metal Surfaces	m <sup>2</sup>	30		-
	Wood Surfaces	m <sup>2</sup>	30		-
<b><u>SECTION 2 : BUILDING WORKS</u></b>					
<b><u>BILL NO. 3 : EARTHWORKS (PROVISIONAL)</u></b>					
<b>PREAMBLES</b>					
The Tenderer is referred to the relevant Clauses in the separate documents General Specification (PW 371-A) July 2013 and Particular Specification (PW 371B) July 2013.					
<b>SUPPLEMENTARY PREAMBLES</b>					
Nature of groundThe tenderer acquaint himself by personal examination of the nature of the ground. Descriptions of excavations shall be deemed to included all ground conditions classifiable as "earth" and where conditions of a more difficult character are indicated these are separately measured. Carting away of excavated materialDescriptions of carting away of excavated material shall be deemed to include loading excavated material onto truck directly from the excavation or alternatively, from stock piles situated on the building siteExcavation No claim for rock excavation will be entertained unless the contractor has timeously notified the Quantity Surveyor thereof prior to backfilling. " Soft rock" and "hard rock" shall be as defined in "Earthworks"					
Note: Tenderer are advised to study the Model Preambles for Trades before pricing this bill					
<b><u>NEW BLOCK 3 (3 x Classrooms)</u></b>					
<b>EXCAVATIONS</b>					
<u>Excavations in earth not exceeding 2m deep</u>					
1	Foundations	m3	75		-
	<u>Extra over all excavations for carting away</u>				
2	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	25		-
	<u>Keeping excavations free of water</u>				

3	Keeping excavations free of water other than subterranean water (Proven Method and Expenditure)	Item	1	-
	<u>FILLING</u>			
	Earth filling obtained from excavations and/or prescribed stock piles on site, compacted in 100mm layers to 93% Mod AASHTO density			
4	Backfilling to strip footings, bases etc	m3	50	-
	<u>Compaction of surfaces</u>			
5	To loosen excavated surface and re-compact ground surface under strip footings and surface bed etc. by wetting and compacting to 93% Mod AASTHO	m2	215	-
	<u>Prescribed density tests on filling</u>			
6	Modified AASTHO Density test	No	2	-
	<u>SOIL POISONING</u>			
	Soil insecticide in accordance with Architects Specifications			
7	Under floors etc including forming and poisoning shallow furrows against foundations walls etc. filling and ramming	m2	215	-
8	To bottoms and sides of trenches etc	m2	215	-
	<b><u>NEW BLOCK 4 (3 x Classroom + Admin Offices)</u></b>			
	<b>EXCAVATIONS</b>			
	<u>Excavations in earth not exceeding 2m deep</u>			
9	Foundations	m3	95	-
	<u>Extra over all excavations for carting away</u>			
10	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	32	-
	<u>Keeping excavations free of water</u>			
11	Keeping excavations free of water other than subterranean water (Proven Method and Expenditure)	Item	1	-
	<u>FILLING</u>			
	Earth filling obtained from excavations and/or prescribed stock piles on site, compacted in 100mm layers to 93% Mod AASHTO density			
12	Backfilling to strip footings, bases etc	m3	64	-
	<u>Compaction of surfaces</u>			
13	To loosen excavated surface and re-compact ground surface under strip footings and surface bed etc. by wetting and compacting to 93% Mod AASTHO	m2	330	-
	<u>Prescribed density tests on filling</u>			
14	Modified AASTHO Density test	No	2	-
	<u>SOIL POISONING</u>			
	Soil insecticide in accordance with Architects Specifications			
15	Under floors etc including forming and poisoning shallow furrows against foundations walls etc. filling and ramming	m2	330	-

16	To bottoms and sides of trenches etc	m2	330	-
<b><u>NEW BLOCK 6 (NEW BOYS ABLUTION)</u></b>				
<b>EXCAVATIONS</b>				
<u>Excavations in earth not exceeding 2m deep</u>				
17	Foundations	m3	19	-
<u>Extra over all excavations for carting away</u>				
18	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	6	-
<u>Keeping excavations free of water</u>				
19	Keeping excavations free of water other than subterranean water (Proven Method and Expenditure)	Item	1	-
<b><u>FILLING</u></b>				
Earth filling obtained from excavations and/or prescribed stock piles on site, compacted in 100mm layers to 93% Mod AASHTO density				
20	Backfilling to strip footings, bases etc	m3	12	-
<u>Compaction of surfaces</u>				
21	To loosen excavated surface and re-compact ground surface under strip footings and surface bed etc. by wetting and compacting to 93% Mod AASTHO	m2	20	-
<u>Prescribed density tests on filling</u>				
22	Modified AASTHO Density test	No	1	-
<b><u>SOIL POISONING</u></b>				
Soil insecticide in accordance with Architects Specifications				
23	Under floors etc including forming and poisoning shallow furrows against foundations walls etc. filling and ramming	m2	20	-
24	To bottoms and sides of trenches etc	m2	20	-
<b><u>NEW BLOCK 7 (NEW GIRLS ABLUTION)</u></b>				
<b>EXCAVATIONS</b>				
<u>Excavations in earth not exceeding 2m deep</u>				
25	Foundations	m3	23	-
<u>Extra over all excavations for carting away</u>				
26	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	7	-
<u>Keeping excavations free of water</u>				
27	Keeping excavations free of water other than subterranean water (Proven Method and Expenditure)	Item	1	-
<b><u>FILLING</u></b>				
Earth filling obtained from excavations and/or prescribed stock piles on site, compacted in 100mm layers to 93% Mod AASHTO density				
28	Backfilling to strip footings, bases etc	m3	15	-
<u>Compaction of surfaces</u>				

29	To loosen excavated surface and re-compact ground surface under strip footings and surface bed etc. by wetting and compacting to 93% Mod AASTHO	m2	21	-
	<u>Prescribed density tests on filling</u>			
30	Modified AASTHO Density test	No	2	-
	<u>SOIL POISONING</u>			
	Soil insecticide in accordance with Architects Specifications			
31	Under floors etc including forming and poisoning shallow furrows against foundations walls etc. filling and ramming	m2	21	-
32	To bottoms and sides of trenches etc	m2	21	-
	<b><u>NEW BLOCK 8 (NEW EDUCATORS ABLUTION)</u></b>			
	<b>EXCAVATIONS</b>			
	<u>Excavations in earth not exceeding 2m deep</u>			
33	Foundations	m3	20	-
	<u>Extra over all excavations for carting away</u>			
34	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	6	-
	<u>Keeping excavations free of water</u>			
35	Keeping excavations free of water other than subterranean water (Proven Method and Expenditure)	Item	1	-
	<u>FILLING</u>			
	Earth filling obtained from excavations and/or prescribed stock piles on site, compacted in 100mm layers to 93% Mod AASHTO density			
36	Backfilling to strip footings, bases etc	m3	13	-
	<u>Compaction of surfaces</u>			
37	To loosen excavated surface and re-compact ground surface under strip footings and surface bed etc. by wetting and compacting to 93% Mod AASTHO	m2	35	-
	<u>Prescribed density tests on filling</u>			
38	Modified AASTHO Density test	No	2	-
	<u>SOIL POISONING</u>			
	Soil insecticide in accordance with Architects Specifications			
39	Under floors etc including forming and poisoning shallow furrows against foundations walls etc. filling and ramming	m2	35	-
40	To bottoms and sides of trenches etc	m2	35	-
	<b><u>SECTION 2 : BUILDING WORKS</u></b>			
	<b><u>BILL NO. 4 : CONCRETE, FORMWORK AND REINFORCEMENT</u></b>			
	<b>PREAMBLES</b>			
	The Tenderer is referred to the relevant Clauses in the separate documents General Specification (PW 371-A) July 2013 and Particular Specification (PW 371B) July 2013.			



<b>SUPPLEMENTARY PREAMBLES</b>				
<b>Cost of test</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 principal agent. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval of the principal agent. (Test cubes are measured separately)				
<b>Formwork</b>				
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				
<b><u>NEW BLOCK 3 (3 x Classrooms)</u></b>				
<b>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</b>				
<u>25Mpa/19mm Concrete</u>				
1	Strip footings and Column Bases	m3	20	-
2	Surface beds on waterproofing	m3	25	-
3	Apron	m3	7	-
<b>REINFORCED CONCRETE CAST IN/ON FORMWORK</b>				
<u>25MPa/19mm concrete</u>				
4	Columns	m3	0,2	-
5	Roof Beam	m3	5	-
<b>SMOOTH FORMWORK</b>				
<u>Smooth formwork to soffits</u>				
6	Slab and Roof Beam	m2	110	-
<b>TEST CUBES</b>				
7	Allow for all necessary concrete test cubes size 150 x 150 mm cast from batches of concrete required for the entire contract as specified, made, stored, cured and tested in accordance with SABS Methods 861 and 863, including use of approved cube moulds, transporting to an approved testing laboratory for testing, paying all charges and submitting reports to the Representative/Agent. One set consist of 6no. 150x150mm cubes	Set	4	-
<b>CONCRETE SUNDRIES</b>				
<u>Finishing top of surface bed smooth with a power float</u>				
8	Surface beds, slabs, etc	m2	215	-
<u>Finishing top of surface bed smooth with a wood float</u>				
9	Apron	m2	95	-
<b>MOVEMENT JOINT</b>				

	<u>10 mm Wide Jointex with 10 x 10mm tear off strip with Polysulphide on surface beds not exceeding 300mm wide</u>				
10	Not exceeding 300mm high to edges of surface bed	m	25		-
	<u>10mm Construction joint between vertical concrete surfaces, debonded with Lime Wash or Bitumen, groove and sealant saw cut filled with Polysulphide sealant Durakol 25 or Similar approved with Polyethylene bond breaker backing tape</u>				
11	Surface beds and Apron not exceeding 300mm thick	m	25		-
	<u>25 x 3mm Deep saw-cut joints in top of concrete</u>				
12	Surface bed not exceeding 300mm thick	m	25		-
	<b>REINFORCEMENT</b>				
	<u>Mild steel reinforcement for structural concrete work</u>				
13	8mm diameter bars	t	0,5		-
	<u>High tensile reinforcement for structural concrete work</u>				
14	8mm Diameter bars	t	0,5		-
15	12mm Diameter bars	t	0,5		-
	<u>Fabric mesh reinforcement</u>				
16	Type Ref 193 fabric reinforcement in concrete slabs etc.	m2	215		-
17	Type Ref 100 fabric reinforcement on ceilings	m2	215		-
	<b>NEW BLOCK 4 (3 x Classroom + Admin Offices)</b>				
	<b>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</b>				
	<u>25Mpa/19mm Concrete</u>				
18	Strip footings and Column Bases	m3	25		-
19	Surface beds on waterproofing	m3	50		-
20	Apron	m3	15		-
	<b>REINFORCED CONCRETE CAST IN/ON FORMWORK</b>				
	<u>25MPa/19mm concrete</u>				
21	Columns	m3	0,2		-
22	Roof Beam	m3	5		-
	<b>SMOOTH FORMWORK</b>				
	<u>Smooth formwork to soffits</u>				
23	Slab and Roof Beam	m2	145		-
	<b>TEST CUBES</b>				
24	Allow for all necessary concrete test cubes size 150 x 150 mm cast from batches of concrete required for the entire contract as specified, made, stored, cured and tested in accordance with SABS Methods 861 and 863, including use of approved cube moulds, transporting to an approved testing laboratory for testing, paying all charges and submitting reports to the Representative/Agent. One set consist of 6no. 150x150mm cubes	Set	4		-

<b>CONCRETE SUNDRIES</b>				
<u>Finishing top of surface bed smooth with a power float</u>				
25	Surface beds, slabs, etc	m2	330	-
<u>Finishing top of surface bed smooth with a wood float</u>				
26	Apron	m2	28	-
<b>MOVEMENT JOINT</b>				
<u>10 mm Wide Jointex with 10 x 10mm tear off strip with Polysulphide on surface beds not exceeding 300mm wide</u>				
27	Not exceeding 300mm high to edges of surface bed	m	25	-
<u>10mm Construction joint between vertical concrete surfaces. debonded with Lime Wash or Bitumen, groove and sealant saw cut filled with Polysulphide sealant Durakol 25 or Similar approved with Polyethylene bond breaker backing tape</u>				
28	Surface beds and Apron not exceeding 300mm thick	m	25	-
<u>25 x 3mm Deep saw-cut joints in top of concrete</u>				
29	Surface bed not exceeding 300mm thick	m	25	-
<b>REINFORCEMENT</b>				
<u>Mild steel reinforcement for structural concrete work</u>				
30	8mm diameter bars	t	1	-
<u>High tensile reinforcement for structural concrete work</u>				
32	8mm Diameter bars	t	0,5	-
32	12mm Diameter bars	t	0,5	-
<u>Fabric mesh reinforcement</u>				
33	Type Ref 193 fabric reinforcement in concrete slabs etc.	m2	330	-
34	Type Ref 100 fabric reinforcement on ceilings	m2	330	-
<b><u>NEW BLOCK 6 (NEW BOYS ABLUTION)</u></b>				
<b>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</b>				
<u>25Mpa/19mm Concrete</u>				
35	Strip footings and Column Bases	m3	5	-
36	Surface beds on waterproofing	m3	5	-
37	Apron	m3	1	-
<b>REINFORCED CONCRETE CAST IN/ON FORMWORK</b>				
<u>25MPa/19mm concrete</u>				
38	Roof Beam	m3	0,2	-
<b>SMOOTH FORMWORK</b>				
<u>Smooth formwork to soffits</u>				
39	Roof Beam	m2	5	-
<b>TEST CUBES</b>				

40	Allow for all necessary concrete test cubes size 150 x 150 mm cast from batches of concrete required for the entire contract as specified, made, stored, cured and tested in accordance with SABS Methods 861 and 863, including use of approved cube moulds, transporting to an approved testing laboratory for testing, paying all charges and submitting reports to the Representative/Agent. One set consist of 6no. 150x150mm cubes	Set	4	-
<b>CONCRETE SUNDRIES</b>				
<u>Finishing top of surface bed smooth with a power float</u>				
41	Surface beds, slabs, etc	m2	20	-
<u>Finishing top of surface bed smooth with a wood float</u>				
42	Apron	m2	7	-
<b>MOVEMENT JOINT</b>				
<u>10 mm Wide Jointex with 10 x 10mm tear off strip with Polysulphide on surface beds not exceeding 300mm wide</u>				
43	Not exceeding 300mm high to edges of surface bed	m	25	-
<u>10mm Construction joint between vertical concrete surfaces, debonded with Lime Wash or Bitumen, groove and sealant saw cut filled with Polysulphide sealant Durakol 25 or Similar approved with Polyethylene bond breaker backing tape</u>				
44	Surface beds and Apron not exceeding 300mm thick	m	25	-
<u>25 x 3mm Deep saw-cut joints in top of concrete</u>				
45	Surface bed not exceeding 300mm thick	m	25	-
<b>REINFORCEMENT</b>				
<u>Mild steel reinforcement for structural concrete work</u>				
46	8mm diameter bars	t	0,5	-
<u>High tensile reinforcement for structural concrete work</u>				
47	10mm Diameter bars	t	0,5	-
48	12mm Diameter bars	t	0,5	-
<u>Fabric mesh reinforcement</u>				
49	Type Ref 193 fabric reinforcement in concrete slabs etc.	m2	20	-
50	Type Ref 100 fabric reinforcement on ceilings	m2	20	-
<b><u>NEW BLOCK 7 (NEW GIRLS ABLUTION)</u></b>				
<b>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</b>				
<u>25Mpa/19mm Concrete</u>				
51	Strip footings and Column Bases	m3	5	-
52	Surface beds on waterproofing	m3	5	-
53	Apron	m3	1	-
<b>REINFORCED CONCRETE CAST IN/ON FORMWORK</b>				
<u>25MPa/19mm concrete</u>				
54	Roof Beam	m3	5	-

	<b>SMOOTH FORMWORK</b>				
	<u>Smooth formwork to soffits</u>				
55	Roof Beam	m2	35		-
	<b>TEST CUBES</b>				
56	Allow for all necessary concrete test cubes size 150 x 150 mm cast from batches of concrete required for the entire contract as specified, made, stored, cured and tested in accordance with SABS Methods 861 and 863, including use of approved cube moulds, transporting to an approved testing laboratory for testing, paying all charges and submitting reports to the Representative/Agent. One set consist of 6no. 150x150mm cubes	Set	4		-
	<b>CONCRETE SUNDRIES</b>				
	<u>Finishing top of surface bed smooth with a power float</u>				
57	Surface beds, slabs, etc	m2	21		-
	<u>Finishing top of surface bed smooth with a wood float</u>				
58	Apron	m2	11		-
	<b>MOVEMENT JOINT</b>				
	<u>10 mm Wide Jointex with 10 x 10mm tear off strip with Polysulphide on surface beds not exceeding 300mm wide</u>				
59	Not exceeding 300mm high to edges of surface bed	m	25		-
	<u>10mm Construction joint between vertical concrete surfaces, debonded with Lime Wash or Bitumen, groove and sealant saw cut filled with Polysulphide sealant Durakol 25 or Similar approved with Polyethylene bond breaker backing tape</u>				
60	Surface beds and Apron not exceeding 300mm thick	m	25		-
	<u>25 x 3mm Deep saw-cut joints in top of concrete</u>				
61	Surface bed not exceeding 300mm thick	m	25		-
	<b>REINFORCEMENT</b>				
	<u>Mild steel reinforcement for structural concrete work</u>				
	<u>High tensile reinforcement for structural concrete work</u>				
62	10mm Diameter bars	t	0,5		-
63	12mm Diameter bars	t	0,5		-
	<u>Fabric mesh reinforcement</u>				
64	Type Ref 193 fabric reinforcement in concrete slabs etc.	m2	20		-
65	Type Ref 100 fabric reinforcement on ceilings	m2	20		-
	<b><u>NEW BLOCK 8 (NEW EDUCATORS ABLUTION)</u></b>				
	<b>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</b>				
	<u>25Mpa/19mm Concrete</u>				
66	Strip footings and Column Bases	m3	5		-
67	Surface beds on waterproofing	m3	10		-
68	Apron	m3	3		-

<b>REINFORCED CONCRETE CAST IN/ON FORMWORK</b>				
<u>25MPa/19mm concrete</u>				
69	Columns	m3	0,2	-
70	Roof Beam	m3	5	-
<b>SMOOTH FORMWORK</b>				
<u>Smooth formwork to soffits</u>				
71	Roof Beam	m2	5	-
<b>TEST CUBES</b>				
72	Allow for all necessary concrete test cubes size 150 x 150 mm cast from batches of concrete required for the entire contract as specified, made, stored, cured and tested in accordance with SABS Methods 861 and 863, including use of approved cube moulds, transporting to an approved testing laboratory for testing, paying all charges and submitting reports to the Representative/Agent. One set consist of 6no. 150x150mm cubes	Set	4	-
<b>CONCRETE SUNDRIES</b>				
<u>Finishing top of surface bed smooth with a power float</u>				
73	Surface beds, slabs, etc	m2	35	-
<u>Finishing top of surface bed smooth with a wood float</u>				
74	Apron	m2	12	-
<b>MOVEMENT JOINT</b>				
<u>10 mm Wide Jointex with 10 x 10mm tear off strip with Polysulphide on surface beds not exceeding 300mm wide</u>				
75	Not exceeding 300mm high to edges of surface bed	m	25	-
<u>10mm Construction joint between vertical concrete surfaces, debonded with Lime Wash or Bitumen, groove and sealant saw cut filled with Polysulphide sealant Durakol 25 or Similar approved with Polyethylene bond breaker backing tape</u>				
76	Surface beds and Apron not exceeding 300mm thick	m	25	-
<u>25 x 3mm Deep saw-cut joints in top of concrete</u>				
77	Surface bed not exceeding 300mm thick	m	25	-
<b>REINFORCEMENT</b>				
<u>Mild steel reinforcement for structural concrete work</u>				
78	8mm diameter bars	t	0,5	-
<u>High tensile reinforcement for structural concrete work</u>				
79	10mm Diameter bars	t	0,5	-
80	12mm Diameter bars	t	0,5	-
<u>Fabric mesh reinforcement</u>				
81	Type Ref 193 fabric reinforcement in concrete slabs etc.	m2	35	-
82	Type Ref 100 fabric reinforcement on ceilings	m2	35	-
<b>SECTION 2 : BUILDING WORKS</b>				

<b>BILL NO. 5 : MASONRY</b>				
<b>PREAMBLES</b>				
The Tenderer is referred to the relevant Clauses in the separate documents General Specification (PW 371-A) July 2013 and Particular Specification (PW 371B) July 2013.				
<b>SUPPLEMENTARY PREAMBLES</b>				
<b>Sizes in descriptions</b>				
Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick				
<b>Face bricks</b>				
Bricks shall be ordered timorously to obtain uniformity in size and colour				
<b><u>NEW BLOCK 3 (3 x Classrooms)</u></b>				
<b>FOUNDATION BRICKWORK</b>				
<u>Brickwork of NFP burnt clay bricks (14MPa nominal compressive strength) in class II mortar (SABS 227)</u>				
1	Half brick walls	m2	8	-
2	One brick walls	m2	60	-
<b>SUPERSTRUCTURE BRICKWORK</b>				
<u>Brickwork of NFP burnt clay bricks (14MPa nominal compressive strength) in class II mortar (SABS 227)</u>				
3	Half Brick Walls	m2	45	-
4	One Brick Walls	m2	240	-
5	One brick gable Walls	m2	60	-
6	Half brick wall in beamfilling	m2	20	-
<b>BRICKWORK SUNDRIES</b>				
<u>2.5mm Brickwork Reinforcement</u>				
7	75mm Wide built in horizontally	m	150	-
8	150mm Wide built in horizontally	m	850	-
<b>FACE BRICKWORK</b>				
<u>Moroccan red blend travertine or similar approved face bricks pointed with flush horizontal and vertical joints</u>				
9	Extra over brickwork for face brickwork in foundations (provisional)	m2	25	-
10	Extra over brickwork for face brickwork	m2	240	-
11	Extra over brickwork for brick-on-edge header course lintels 1 course(s) high, pointed on face	m	20	-
<u>Brick-on-edge header coarse copings, sills etc of Moroccan red blend travertine or similar approved face bricks, pointed with recessed joints on all exposed faces</u>				
12	220mm Wide sills set sloping and slightly projected	m	20	-
<b><u>NEW BLOCK 4 (3 x Classroom + Admin Offices)</u></b>				

<b>FOUNDATION BRICKWORK</b>				
<u>Brickwork of NFP burnt clay bricks (14MPa nominal compressive strength) in class II mortar (SABS 227)</u>				
13	Half brick walls	m2	35	-
14	One brick walls	m2	75	-
<b>SUPERSTRUCTURE BRICKWORK</b>				
<u>Brickwork of NFP burnt clay bricks (14MPa nominal compressive strength) in class II mortar (SABS 227)</u>				
15	Half Brick Walls	m2	205	-
16	One Brick Walls	m2	440	-
17	One brick gable Walls	m2	15	-
18	Half brick wall in beamfilling	m2	23	-
<b>BRICKWORK SUNDRIES</b>				
<u>2.5mm Brickwork Reinforcement</u>				
19	75mm Wide built in horizontally	m	875	-
20	150mm Wide built in horizontally	m	1875	-
<b>FACE BRICKWORK</b>				
<u>Moroccan red blend travertine or similar approved face bricks pointed with flush horizontal and vertical joints</u>				
21	Extra over brickwork for face brickwork in foundations (provisional)	m2	10	-
22	Extra over brickwork for face brickwork	m2	440	-
23	Extra over brickwork for brick-on-edge header course lintels 1 course(s) high, pointed on face	m	305	-
<u>Brick-on-edge header coarse copings, sills etc of Moroccan red blend travertine or similar approved face bricks, pointed with recessed joints on all exposed faces</u>				
24	220mm Wide sills set sloping and slightly projected	m	305	-
<b><u>NEW BLOCK 6 (NEW BOYS ABLUTION)</u></b>				
<b>FOUNDATION BRICKWORK</b>				
<u>Brickwork of NFP burnt clay bricks (14MPa nominal compressive strength) in class II mortar (SABS 227)</u>				
25	Half brick walls	m2	5	-
26	One brick walls	m2	12	-
<b>SUPERSTRUCTURE BRICKWORK</b>				
<u>Brickwork of NFP burnt clay bricks (14MPa nominal compressive strength) in class II mortar (SABS 227)</u>				
27	Half Brick Walls	m2	25	-
28	One Brick Walls	m2	60	-
29	Half brick wall in beamfilling	m2	5	-
<b>BRICKWORK SUNDRIES</b>				



	<u>2.5mm Brickwork Reinforcement</u>				
30	75mm Wide built in horizontally	m	48		-
31	150mm Wide built in horizontally	m	300		-
	<b>FACE BRICKWORK</b>				
	<u>Moroccan red blend travertine or similar approved face bricks pointed with flush horizontal and vertical joints</u>				
32	Extra over brickwork for face brickwork in foundations (provisional)	m2	10		-
33	Extra over brickwork for face brickwork	m2	60		-
34	Extra over brickwork for brick-on-edge header course lintels 1 course(s) high, pointed on face	m	3		-
	<u>Brick-on-edge header coarse copings, sills etc of Moroccan red blend travertine or similar approved face bricks, pointed with recessed joints on all exposed faces</u>				
35	220mm Wide sills set sloping and slightly projected	m	3		-
	<b><u>NEW BLOCK 7 (NEW GIRLS ABLUTION)</u></b>				
	<b>FOUNDATION BRICKWORK</b>				
	<u>Brickwork of NFP burnt clay bricks (14MPa nominal compressive strength) in class II mortar (SABS 227)</u>				
36	Half brick walls	m2	5		-
37	One brick walls	m2	12		-
	<b>SUPERSTRUCTURE BRICKWORK</b>				
	<u>Brickwork of NFP burnt clay bricks (14MPa nominal compressive strength) in class II mortar (SABS 227)</u>				
38	Half Brick Walls	m2	25		-
39	One Brick Walls	m2	60		-
40	Half brick wall in beamfilling	m2	5		-
	<b>BRICKWORK SUNDRIES</b>				
	<u>2.5mm Brickwork Reinforcement</u>				
41	75mm Wide built in horizontally	m	48		-
42	150mm Wide built in horizontally	m	300		-
	<b>FACE BRICKWORK</b>				
	<u>Moroccan red blend travertine or similar approved face bricks pointed with flush horizontal and vertical joints</u>				
43	Extra over brickwork for face brickwork in foundations (provisional)	m2	10		-
44	Extra over brickwork for face brickwork	m2	60		-
45	Extra over brickwork for brick-on-edge header course lintels 1 course(s) high, pointed on face	m	3		-
	<u>Brick-on-edge header coarse copings, sills etc of Moroccan red blend travertine or similar approved face bricks, pointed with recessed joints on all exposed faces</u>				
46	220mm Wide sills set sloping and slightly projected	m	3		-

<b><u>NEW BLOCK 8 (NEW EDUCATORS ABLUTION)</u></b>				
<b>FOUNDATION BRICKWORK</b>				
<u>Brickwork of NFP burnt clay bricks (14MPa nominal compressive strength) in class II mortar (SABS 227)</u>				
47	Half brick walls	m2	5	-
48	One brick walls	m2	15	-
<b>SUPERSTRUCTURE BRICKWORK</b>				
<u>Brickwork of NFP burnt clay bricks (14MPa nominal compressive strength) in class II mortar (SABS 227)</u>				
49	Half Brick Walls	m2	25	-
50	One Brick Walls	m2	75	-
51	Half brick wall in beamfilling	m2	6	-
<b>BRICKWORK SUNDRIES</b>				
<u>2.5mm Brickwork Reinforcement</u>				
52	75mm Wide built in horizontally	m	100	-
53	150mm Wide built in horizontally	m	375	-
<b>FACE BRICKWORK</b>				
<u>Moroccan red blend travertine or similar approved face bricks pointed with flush horizontal and vertical joints</u>				
54	Extra over brickwork for face brickwork in foundations (provisional)	m2	10	-
55	Extra over brickwork for face brickwork	m2	75	-
56	Extra over brickwork for brick-on-edge header course lintels 1 course(s) high, pointed on face	m	5	-
<u>Brick-on-edge header coarse copings, sills etc of Moroccan red blend travertine or similar approved face bricks, pointed with recessed joints on all exposed faces</u>				
57	220mm Wide sills set sloping and slightly projected	m	5	-
<b><u>SECTION 2 : BUILDING WORKS</u></b>				
<b><u>BILL NO. 6 : WATERPROOFING</u></b>				
<b>PREAMBLES</b>				
The Tenderer is referred to the relevant Clauses in the separate documents General Specification (PW 371-A) July 2013 and Particular Specification (PW 371B) July 2013.				
<b>SUPPLEMENTARY PREAMBLES</b>				
Note: Tenderers are advised to study the Model Preambles for Trades before pricing this bill				
<b>DAMP-PROOFING OF WALLS AND FLOORS</b>				
<b><u>NEW BLOCK 3 (3 x Classrooms)</u></b>				
<u>One layer 375 micron embossed damp proof course (SABS 9520 Type B)</u>				

1	In walls  <u>One layer of 250 micron damp proof course (SABS Specification 9520 Type C) waterproof sheeting sealed at laps with "Gunplas Pressure Sensitive Tape</u>	m2	80	-
2	Under Surface bed  <b><u>NEW BLOCK 4 (3 x Classroom + Admin Offices)</u></b>  <b>DAMPPROOFING OF WALLS AND FLOORS</b>  <u>One layer 375 micron embossed damp proof course (SABS 9520 Type B)</u>	m2	215	-
3	In walls  <u>One layer of 250 micron damp proof course (SABS Specification 9520 Type C) waterproof sheeting sealed at laps with "Gunplas Pressure Sensitive Tape</u>	m2	145	-
4	Under Surface bed  <b><u>NEW BLOCK 6 (NEW BOYS ABLUTION)</u></b>  <b>DAMPPROOFING OF WALLS AND FLOORS</b>  <u>One layer 375 micron embossed damp proof course (SABS 9520 Type B)</u>	m2	330	-
5	In walls  <u>One layer of 250 micron damp proof course (SABS Specification 9520 Type C) waterproof sheeting sealed at laps with "Gunplas Pressure Sensitive Tape</u>	m2	30	-
6	Under Surface bed  <b><u>NEW BLOCK 7 (NEW GIRLS ABLUTION)</u></b>  <b>DAMPPROOFING OF WALLS AND FLOORS</b>  <u>One layer 375 micron embossed damp proof course (SABS 9520 Type B)</u>	m2	5	-
7	In walls  <u>One layer of 250 micron damp proof course (SABS Specification 9520 Type C) waterproof sheeting sealed at laps with "Gunplas Pressure Sensitive Tape</u>	m2	35	-
8	Under Surface bed  <b><u>NEW BLOCK 8 (NEW EDUCATORS ABLUTION)</u></b>  <b>DAMPPROOFING OF WALLS AND FLOORS</b>  <u>One layer 375 micron embossed damp proof course (SABS 9520 Type B)</u>	m2	5	-
9	In walls  <u>One layer of 250 micron damp proof course (SABS Specification 9520 Type C) waterproof sheeting sealed at laps with "Gunplas Pressure Sensitive Tape</u>	m2	31	-
10	Under Surface bed  <b><u>SECTION 2 : BUILDING WORKS</u></b>  <b><u>BILL NO. 7 : ROOF COVERING</u></b>	m2	36	-

<p><b>PREAMBLES</b></p> <p>The Tenderer is referred to the relevant Clauses in the separate documents General Specification (PW 371-A) July 2013 and Particular Specification (PW 371B) July 2013.</p> <p><b>SUPPLEMENTARY PREAMBLES</b></p> <p><b>IBR ROOF COVERING</b></p> <p><b>Guarantees</b></p> <p><u>The contractor will be required to provide a written guarantee for the roof covering as follows:</u></p> <p>IBR roof covering material - 10 years Workmanship - 10 years</p> <p><u>Certificate for Galvanised Roof Sheeting</u></p> <p>The contractor is to submit a certificate signed by the merchant, stating that the galvanised roof covering supplied, complies with the required thickness specified</p> <p>Note: Tenderers are advised to study the Model Preambles for Trades before pricing this bill</p> <p><b><u>BLOCK 1 (5 x CLASSROOMS)</u></b></p> <p><b>IBR PROFILE SHEETING</b></p> <p><u>IBR-profile 0.58mm thick Z275 spelter galvanised steel roof sheeting @ 17°, fixed to timber purlins</u></p>				
1	Roof covering with 17 degree pitch and accessories, including ridge capping, gable and gable trims, flashings etc. Concealed fixed to 76x50mm SA pine Timber purlins @ 1200mm c/c (elsewhere measured)	m2	430	-
<p><b>ROOF AND WALL INSULATION</b></p> <p><u>Sisalation 405 Reflective foil underlay in accordance with SANS 1381-4 overlapped longitudinally by 100mm; on and including galvanised straining wire spaced at 383mm centres fixed parallel over purlins to manufacturer's instruction</u></p>				
2	Insulation sheeting laid taut over purlins (at approximately 1200mm centres) and fixed concurrently with roof covering with minimum 150mm stapled laps including galvanised straining wires at not exceeding 400mm centres and one-sided tape at edges where required (Layer 1) (LI)	m2	430	-
<p><b><u>BLOCK 2 (STAFFROOM and SCHOOL HALL)</u></b></p> <p><b>IBR PROFILE SHEETING</b></p> <p><u>IBR-profile 0.58mm thick Z275 spelter galvanised steel roof sheeting @ 17°, fixed to timber purlins</u></p>				
3	Roof covering with 17 degree pitch and accessories, including ridge capping, gable and gable trims, flashings etc. Concealed fixed to 76x50mm SA pine Timber purlins @ 1200mm c/c (elsewhere measured)	m2	260	-
<p><b>ROOF AND WALL INSULATION</b></p> <p><u>Sisalation 405 Reflective foil underlay in accordance with SANS 1381-4 overlapped longitudinally by 100mm; on and including galvanised straining wire spaced at 383mm centres fixed parallel over purlins to manufacturer's instruction</u></p>				

4	Insulation sheeting laid taut over purlins (at approximately 1200mm centres) and fixed concurrently with roof covering with minimum 150mm stapled laps including galvanised straining wires at not exceeding 400mm centres and one-sided tape at edges where required (Layer 1) (LI)	m2	260	-
<b><u>NEW BLOCK 3 (3 x Classrooms)</u></b>				
<b>IBR PROFILE SHEETING</b>				
<u>IBR-profile 0.58mm thick Z275 spelter galvanised steel roof sheeting @ 17°, fixed to timber purlins</u>				
5	Roof covering with 17 degree pitch and accessories, including ridge capping, gable and gable trims, flashings etc. Concealed fixed to 76x50mm SA pine Timber purlins @ 1200mm c/c (elsewhere measured)	m2	255	-
<b>ROOF AND WALL INSULATION</b>				
<u>Sisalation 405 Reflective foil underlay in accordance with SANS 1381-4 overlapped longitudinally by 100mm; on and including galvanised straining wire spaced at 383mm centres fixed parallel over purlins to manufacturer's instruction</u>				
6	Insulation sheeting laid taut over purlins (at approximately 1200mm centres) and fixed concurrently with roof covering with minimum 150mm stapled laps including galvanised straining wires at not exceeding 400mm centres and one-sided tape at edges where required (Layer 1) (LI)	m2	255	-
<b><u>NEW BLOCK 4 (3 x Classroom + Admin Offices)</u></b>				
<b>IBR PROFILE SHEETING</b>				
<u>IBR-profile 0.58mm thick Z275 spelter galvanised steel roof sheeting @ 17°, fixed to timber purlins</u>				
7	Roof covering with 17 degree pitch and accessories, including ridge capping, gable and gable trims, flashings etc. Concealed fixed to 76x50mm SA pine Timber purlins @ 1200mm c/c (elsewhere measured)	m2	380	-
<b>ROOF AND WALL INSULATION</b>				
<u>Sisalation 405 Reflective foil underlay in accordance with SANS 1381-4 overlapped longitudinally by 100mm; on and including galvanised straining wire spaced at 383mm centres fixed parallel over purlins to manufacturer's instruction</u>				
8	Insulation sheeting laid taut over purlins (at approximately 1200mm centres) and fixed concurrently with roof covering with minimum 150mm stapled laps including galvanised straining wires at not exceeding 400mm centres and one-sided tape at edges where required (Layer 1) (LI)	m2	380	-
<b><u>BLOCK 5 (STAFF ACCOMODATION)</u></b>				
<b>IBR PROFILE SHEETING</b>				
<u>IBR-profile 0.58mm thick Z275 spelter galvanised steel roof sheeting @ 17°, fixed to timber purlins</u>				
9	Roof covering with 17 degree pitch and accessories, including ridge capping, gable and gable trims, flashings etc. Concealed fixed to 76x50mm SA pine Timber purlins @ 1200mm c/c (elsewhere measured)	m2	80	-
<b>ROOF AND WALL INSULATION</b>				

	<u>Sisalation 405 Reflective foil underlay in accordance with SANS 1381-4 overlapped longitudinally by 100mm; on and including galvanised straining wire spaced at 383mm centres fixed parallel over purlins to manufacturer's instruction</u>				
10	Insulation sheeting laid taut over purlins (at approximately 1200mm centres) and fixed concurrently with roof covering with minimum 150mm stapled laps including galvanised straining wires at not exceeding 400mm centres and one-sided tape at edges where required (Layer 1) (LI)	m2	80		-
	<b><u>NEW BLOCK 6 (NEW BOYS ABLUTION)</u></b>				
	<b>IBR PROFILE SHEETING</b>				
	<u>IBR-profile 0.58mm thick Z275 spelter galvanised steel roof sheeting @ 17°, fixed to timber purlins</u>				
11	Roof covering with 17 degree pitch and accessories, including ridge capping, gable and gable trims, flashings etc. Concealed fixed to 76x50mm SA pine Timber purlins @ 1200mm c/c (elsewhere measured)	m2	35		-
	<b>ROOF AND WALL INSULATION</b>				
	<u>Sisalation 405 Reflective foil underlay in accordance with SANS 1381-4 overlapped longitudinally by 100mm; on and including galvanised straining wire spaced at 383mm centres fixed parallel over purlins to manufacturer's instruction</u>				
12	Insulation sheeting laid taut over purlins (at approximately 1200mm centres) and fixed concurrently with roof covering with minimum 150mm stapled laps including galvanised straining wires at not exceeding 400mm centres and one-sided tape at edges where required (Layer 1) (LI)	m2	35		-
	<b><u>NEW BLOCK 7 (NEW GIRLS ABLUTION)</u></b>				
	<b>IBR PROFILE SHEETING</b>				
	<u>IBR-profile 0.58mm thick Z275 spelter galvanised steel roof sheeting @ 17°, fixed to timber purlins</u>				
13	Roof covering with 17 degree pitch and accessories, including ridge capping, gable and gable trims, flashings etc. Concealed fixed to 76x50mm SA pine Timber purlins @ 1200mm c/c (elsewhere measured)	m2	35		-
	<b>ROOF AND WALL INSULATION</b>				
	<u>Sisalation 405 Reflective foil underlay in accordance with SANS 1381-4 overlapped longitudinally by 100mm; on and including galvanised straining wire spaced at 383mm centres fixed parallel over purlins to manufacturer's instruction</u>				
14	Insulation sheeting laid taut over purlins (at approximately 1200mm centres) and fixed concurrently with roof covering with minimum 150mm stapled laps including galvanised straining wires at not exceeding 400mm centres and one-sided tape at edges where required (Layer 1) (LI)	m2	35		-
	<b><u>NEW BLOCK 8 (NEW EDUCATORS ABLUTION)</u></b>				
	<b>IBR PROFILE SHEETING</b>				
	<u>IBR-profile 0.58mm thick Z275 spelter galvanised steel roof sheeting @ 17°, fixed to timber purlins</u>				
15	Roof covering with 17 degree pitch and accessories, including ridge capping, gable and gable trims, flashings etc. Concealed fixed to 76x50mm SA pine Timber purlins @ 1200mm c/c (elsewhere measured)	m2	40		-

<b>ROOF AND WALL INSULATION</b>				
<u>Sisalation 405 Reflective foil underlay in accordance with SANS 1381-4 overlapped longitudinally by 100mm; on and including galvanised straining wire spaced at 383mm centres fixed parallel over purlins to manufacturer's instruction</u>				
16	Insulation sheeting laid taut over purlins (at approximately 1200mm centres) and fixed concurrently with roof covering with minimum 150mm stapled laps including galvanised straining wires at not exceeding 400mm centres and one-sided tape at edges where required (Layer 1) (LI)	m2	40	-
<b>SECTION 2 : BUILDING WORKS</b>				
<b><u>BILL NO. 8 : CARPENTRY AND JOINERY, ETC.</u></b>				
<b>PREAMBLES</b>				
The Tenderer is referred to the relevant Clauses in the separate documents General Specification (PW 371-A) July 2013 and Particular Specification (PW 371B) July 2013.				
<b>SUPPLEMENTARY PREAMBLES</b>				
<b>Fixing</b>				
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				
<b>Joinery</b>				
Descriptions of frames shall be deemed to include frames, transoms, rails, etc Descriptions of hardwood joinery shall be deemed to include sinking and pelleting heads and nuts of bolts				
<b>PLATE NAILED TIMBER ROOF TRUSS CONSTRUCTION ETC</b>				
Trusses are at maximum 1 200mm centres Roof coverings are IBR-profile 0.58mm thick Z275 spelter galvanised steel roof sheeting on purlins References given in descriptions refer to the respective types of trusses detailed on the architect's/engineer's drawings numbered ? annexed to these bills of quantities (accompanying these bills of quantities?) for tender purposes Dimensions in descriptions of trusses are nominal and actual measurements are to be obtained from the architect/engineer and/or taken on site before design or fabrication commences				
<b><u>BLOCK 1 (5 x CLASSROOMS)</u></b>				
<b>PREFABRICATED ROOF TRUSSES, ETC.</b>				
1	Roof construction to 17 degree double pitched roof with SA Pine Timber trusses at 1000mm c/c as per roofing specialist design and specification complete with 114 x 38mm SA pine timber wall plates, 76 x 50mm SA pine timber purlins, bracing, platform, laminated beams and support for future solar geysers, etc	m2	430	-
<b>Sundries</b>				
2	30x1.6mm Galvanised steel straps cast into roof beams deep into brickwork	No	140	-
3	Two Coats creosote on sawn timbers	m2	130	-
4	Engineers Certificate	Item	1	-

<b>EAVES, VERGES, ETC</b>				
<b>Medium density plain fibre-cement fascia's and barge boards</b>				
5	Everite medium density plain ungrooved Nutec fascia boards (Code: 041-202), size 225x12mm, fixed to 76x50mm SAP timber tilter batten and 38x38mm SAP timber support battens between rafters twice screwed with 12x40mm countersunk brass screws at 900mm c/c to support battens with aluminium H-profile fascia joiner between boards and aluminium H-profile fascia corner joiners at board ends.	m	100	-
<b>SKIRTINGS</b>				
<b>Fine grained compresses woodpulp / cane purpose made</b>				
6	76 x 19 mm Skirtings, nailed	m	425	-
<b>DOORS</b>				
<b>Masonite backing side hung doors</b>				
7	Hardwood double door 44 x 1613 x 2032mm with masonite backing, hung to steel frame, including Lockblocks and wood screws	No	5	-
8	Semi Solid 44 x 813 x 2032mm with masonite backing, hung to steel frame, including 400x400mm Aluminium Louvre Grill, Lockblocks and wood screws	No	1	-
<b><u>BLOCK 2 (STAFFROOM and SCHOOL HALL)</u></b>				
<b>PREFABRICATED ROOF TRUSSES, ETC.</b>				
9	Roof construction to 17 degree double pitched roof with SA Pine Timber trusses at 1000mm c/c as per roofing specialist design and specification complete with 114 x 38mm SA pine timber wall plates, 76 x 50mm SA pine timber purlins, bracing, platform, laminated beams and support for future solar geysers, etc	m2	260	-
<b>Sundries</b>				
10	30x1.6mm Galvanised steel straps cast into roof beams deep into brickwork	No	175	-
11	Two Coats creosote on sawn timbers	m2	160	-
12	Engineers Certificate	Item	1	-
<b>EAVES, VERGES, ETC</b>				
<b>Medium density plain fibre-cement fascia's and barge boards</b>				
13	Everite medium density plain ungrooved Nutec fascia boards (Code: 041-202), size 225x12mm, fixed to 76x50mm SAP timber tilter batten and 38x38mm SAP timber support battens between rafters twice screwed with 12x40mm countersunk brass screws at 900mm c/c to support battens with aluminium H-profile fascia joiner between boards and aluminium H-profile fascia corner joiners at board ends.	m	75	-
<b>SKIRTINGS</b>				
<b>Fine grained compresses woodpulp / cane purpose made</b>				
14	76 x 19 mm Skirtings, nailed	m	215	-
<b>DOORS</b>				
<b>Masonite backing side hung doors</b>				
15	Hardwood door 44 x 813 x 2032mm with masonite backing, hung to steel frame, including Lockblocks and wood screws	No	3	-



16	Semi Solid 44 x 813 x 2032mm with masonite backing, hung to steel frame, including 400x400mm Aluminium Louvre Grill, Lockblocks and wood screws	No	1	-
<b><u>NEW BLOCK 3 (3 x Classrooms)</u></b>				
<b>PREFABRICATED ROOF TRUSSES, ETC.</b>				
17	Roof construction to 17 degree double pitched roof with SA Pine Timber trusses at 1000mm c/c as per roofing specialist design and specification complete with 114 x 38mm SA pine timber wall plates, 76 x 50mm SA pine timber purlins, bracing, platform, laminated beams and support for future solar geysers, etc	m2	255	-
<b>Sundries</b>				
18	30x1.6mm Galvanised steel straps cast into roof beams deep into brickwork	No	170	-
19	Two Coats creosote on sawn timbers	m2	150	-
20	Engineers Certificate	Item	1	-
<b>EAVES, VERGES, ETC</b>				
<b>Medium density plain fibre-cement fascia's and barge boards</b>				
21	Everite medium density plain ungrooved Nutec fascia boards (Code: 041-202), size 225x12mm, fixed to 76x50mm SAP timber tilter batten and 38x38mm SAP timber support battens between rafters twice screwed with 12x40mm countersunk brass screws at 900mm c/c to support battens with aluminium H-profile fascia joiner between boards and aluminium H-profile fascia corner joiners at board ends.	m	70	-
<b>DOORS</b>				
<b>Masonite backing side hung doors</b>				
22	Semi Solid 44 x 813 x 2032mm with masonite backing, hung to steel frame, including 400x400mm Aluminium Louvre Grill, Lockblocks and wood screws	No	3	-
23	Semi Solid 44 x 813 x 2032mm with masonite backing, hung to steel frame, including 400x400mm Aluminium Louvre Grill, Lockblocks and wood screws	No	1	-
<b><u>NEW BLOCK 4 (3 x Classroom + Admin Offices)</u></b>				
<b>PREFABRICATED ROOF TRUSSES, ETC.</b>				
24	Roof construction to 17 degree double pitched roof with SA Pine Timber trusses at 1000mm c/c as per roofing specialist design and specification complete with 114 x 38mm SA pine timber wall plates, 76 x 50mm SA pine timber purlins, bracing, platform, laminated beams and support for future solar geysers, etc	m2	380	-
<b>Sundries</b>				
25	30x1.6mm Galvanised steel straps cast into roof beams deep into brickwork	No	175	-
26	Two Coats creosote on sawn timbers	m2	160	-
27	Engineers Certificate	Item	1	-
<b>EAVES, VERGES, ETC</b>				
<b>Medium density plain fibre-cement fascia's and barge boards</b>				

28	Everite medium density plain ungrooved Nutec fascia boards (Code: 041-202), size 225x12mm, fixed to 76x50mm SAP timber tilter batten and 38x38mm SAP timber support battens between rafters twice screwed with 12x40mm countersunk brass screws at 900mm c/c to support battens with aluminium H-profile fascia joiner between boards and aluminium H-profile fascia corner joiners at board ends.	m	90	-
	<b>SKIRTINGS</b>			
	<b>Fine grained compresses woodpulp / cane purpose made</b>			
29	76 x 19 mm Skirtings, nailed	m	560	-
	<b>DOORS</b>			
	<b>Masonite backing side hung doors</b>			
30	Hardwood door 44 x 813 x 2032mm with masonite backing, hung to steel frame, including Lockblocks and wood screws	No	5	-
31	Semi Solid 44 x 813 x 2032mm with masonite backing, hung to steel frame, including 400x400mm Aluminium Louvre Grill, Lockblocks and wood screws	No	1	-
	<b><u>BLOCK 5 (STAFF ACCOMODATION)</u></b>			
	<b>PREFABRICATED ROOF TRUSSES, ETC.</b>			
32	Roof construction to 17 degree double pitched roof with SA Pine Timber trusses at 1000mm c/c as per roofing specialist design and specification complete with 114 x 38mm SA pine timber wall plates, 76 x 50mm SA pine timber purlins, bracing, platform, laminated beams and support for future solar geysers, etc	m2	80	-
	<b>Sundries</b>			
33	30x1.6mm Galvanised steel straps cast into roof beams deep into brickwork	No	60	-
34	Two Coats creosote on sawn timbers	m2	45	-
35	Engineers Certificate	Item	1	-
	<b>EAVES, VERGES, ETC</b>			
	<b>Medium density plain fibre-cement fascia's and barge boards</b>			
36	Everite medium density plain ungrooved Nutec fascia boards (Code: 041-202), size 225x12mm, fixed to 76x50mm SAP timber tilter batten and 38x38mm SAP timber support battens between rafters twice screwed with 12x40mm countersunk brass screws at 900mm c/c to support battens with aluminium H-profile fascia joiner between boards and aluminium H-profile fascia corner joiners at board ends.	m	35	-
	<b>SKIRTINGS</b>			
	<b>Fine grained compresses woodpulp / cane purpose made</b>			
37	76 x 19 mm Skirtings, nailed	m	35	-
	<b>DOORS</b>			
	<b>Masonite backing side hung doors</b>			
38	Hardwood door 44 x 813 x 2032mm with masonite backing, hung to steel frame, including Lockblocks and wood screws	No	6	-
	<b><u>NEW BLOCK 6 (NEW BOYS ABLUTION)</u></b>			
	<b>PREFABRICATED ROOF TRUSSES, ETC.</b>			

39	Roof construction to 17 degree double pitched roof with SA Pine Timber trusses at 1000mm c/c as per roofing specialist design and specification complete with 114 x 38mm SA pine timber wall plates, 76 x 50mm SA pine timber purlins, bracing, platform, laminated beams and support for future solar geysers, etc	m2	35	-
	<b>Sundries</b>			
40	30x1.6mm Galvanised steel straps cast into roof beams deep into brickwork	No	20	-
41	Two Coats creosote on sawn timbers	m2	15	-
42	Engineers Certificate	Item	1	-
	<b>EAVES, VERGES, ETC</b>			
	<b>Medium density plain fibre-cement fascia's and barge boards</b>			
43	Everite medium density plain ungrooved Nutec fascia boards (Code: 041-202), size 225x12mm, fixed to 76x50mm SAP timber tilter batten and 38x38mm SAP timber support battens between rafters twice screwed with 12x40mm countersunk brass screws at 900mm c/c to support battens with aluminium H-profile fascia joiner between boards and aluminium H-profile fascia corner joiners at board ends.	m	25	-
	<b>SKIRTINGS</b>			
	<b>Fine grained compresses woodpulp / cane purpose made</b>			
44	76 x 19 mm Skirtings, nailed	m	30	-
	<b>DOORS</b>			
	<b>Masonite backing side hung doors</b>			
45	Hardwood door 44 x 813 x 2032mm with masonite backing, hung to steel frame, including Lockblocks and wood screws	No	1	-
46	Semi Solid 44 x 813 x 2032mm with masonite backing, hung to steel frame, including 400x400mm Aluminium Louvre Grill, Lockblocks and wood screws	No	2	-
	<b><u>NEW BLOCK 7 (NEW GIRLS ABLUTION)</u></b>			
	<b>PREFABRICATED ROOF TRUSSES, ETC.</b>			
47	Roof construction to 17 degree double pitched roof with SA Pine Timber trusses at 1000mm c/c as per roofing specialist design and specification complete with 114 x 38mm SA pine timber wall plates, 76 x 50mm SA pine timber purlins, bracing, platform, laminated beams and support for future solar geysers, etc	m2	31	-
	<b>Sundries</b>			
48	30x1.6mm Galvanised steel straps cast into roof beams deep into brickwork	No	20	-
49	Two Coats creosote on sawn timbers	m2	15	-
50	Engineers Certificate	Item	1	-
	<b>EAVES, VERGES, ETC</b>			
	<b>Medium density plain fibre-cement fascia's and barge boards</b>			
51	Everite medium density plain ungrooved Nutec fascia boards (Code: 041-202), size 225x12mm, fixed to 76x50mm SAP timber tilter batten and 38x38mm SAP timber support battens between rafters twice screwed with 12x40mm countersunk brass screws at 900mm c/c to support battens with aluminium H-profile fascia joiner between boards and aluminium H-profile fascia corner joiners at board ends.	m	25	-

<b>SKIRTINGS</b>				
<b>Fine grained compresses woodpulp / cane purpose made</b>				
52	76 x 19 mm Skirtings, nailed	m	35	-
<b>DOORS</b>				
<b>Masonite backing side hung doors</b>				
53	Hardwood door 44 x 813 x 2032mm with masonite backing, hung to steel frame, including Lockblocks and wood screws	No	1	-
54	Semi Solid 44 x 813 x 2032mm with masonite backing, hung to steel frame, including 400x400mm Aluminium Louvre Grill, Lockblocks and wood screws	No	4	-
<b><u>NEW BLOCK 8 (NEW EDUCATORS ABLUTION)</u></b>				
<b>PREFABRICATED ROOF TRUSSES, ETC.</b>				
55	Roof construction to 17 degree double pitched roof with SA Pine Timber trusses at 1000mm c/c as per roofing specialist design and specification complete with 114 x 38mm SA pine timber wall plates, 76 x 50mm SA pine timber purlins, bracing, platform, laminated beams and support for future solar geysers, etc	m2	36	-
<b>Sundries</b>				
56	30x1.6mm Galvanised steel straps cast into roof beams deep into brickwork	No	20	-
57	Two Coats creosote on sawn timbers	m2	15	-
58	Engineers Certificate	Item	1	-
<b>EAVES, VERGES, ETC</b>				
<b>Medium density plain fibre-cement fascia's and barge boards</b>				
59	Everite medium density plain ungrooved Nutec fascia boards (Code: 041-202), size 225x12mm, fixed to 76x50mm SAP timber tilter batten and 38x38mm SAP timber support battens between rafters twice screwed with 12x40mm countersunk brass screws at 900mm c/c to support battens with aluminium H-profile fascia joiner between boards and aluminium H-profile fascia corner joiners at board ends.	m	25	-
<b>SKIRTINGS</b>				
<b>Fine grained compresses woodpulp / cane purpose made</b>				
60	76 x 19 mm Skirtings, nailed	m	30	-
<b>DOORS</b>				
<b>Masonite backing side hung doors</b>				
61	Hardwood door 44 x 813 x 2032mm with masonite backing, hung to steel frame, including Lockblocks and wood screws	No	3	-
62	Semi Solid 44 x 813 x 2032mm with masonite backing, hung to steel frame, including 400x400mm Aluminium Louvre Grill, Lockblocks and wood screws	No	3	-
<b><u>SECTION 2 : BUILDING WORKS</u></b>				
<b><u>BILL NO. 9 : CEILINGS, PARTITIONS AND ACCESS FLOORING</u></b>				
<b>PREAMBLES</b>				
The Tenderer is referred to the relevant Clauses in the separate documents General Specification (PW 371-A) July 2013 and Particular Specification (PW 371B) July 2013.				

<b>SUPPLEMENTARY PREAMBLES</b>				
<b>Fixing</b>				
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.				
<b>Ceilings</b>				
Unless otherwise described ceilings shall be deemed to be horizontal.				
<b>NAILED-UP CEILINGS</b>				
<b>SUPPLEMENTARY PREAMBLES</b>				
<b>Openings</b>				
Prices for openings for light fittings, ventilation grilles, air conditioning diffusers, etc are to include for any necessary additional support, trimming around, etc.				
<b><u>BLOCK 1 (5 x CLASSROOMS)</u></b>				
<u>6mm Nutec ceilings</u>				
1	Everite Nutec 6mm thick plain ceiling boards, manufactured in accordance with SANS 9001:2000 carrying SANS 803:2005 mark, standard size: 1200x3600mm fixed to 38x50mm SAP timber brandering at 600mm c/c using 32x2,5mm serrated ceiling nails at 150mm c/c, minimum of 12mm from edge of board. All joints to be covered using H-profile steel jointing strips, all in accordance with the manufacturer's recommendations	m2	367	-
2	Extra over ceilings 600x600mm trap door opening with 50x38mm SAP braced frame, filled with top hinged metal panel door. (Colour White)	No	1	-
<u>Hardboard cornices</u>				
3	83mm Masonite coved hardboard cornices nailed to battens at max. 300mm c/c all round.	m	155	-
<u>120mm Flexible fibreglass insulation</u>				
4	120mm Insulation in blanket form lapped not less than 50mm along all edges and laid on top of brandering between roof timbers etc	m2	367	-
<b><u>BLOCK 2 (STAFFROOM and SCHOOL HALL)</u></b>				
<u>6mm Nutec ceilings</u>				
5	Everite Nutec 6mm thick plain ceiling boards, manufactured in accordance with SANS 9001:2000 carrying SANS 803:2005 mark, standard size: 1200x3600mm fixed to 38x50mm SAP timber brandering at 600mm c/c using 32x2,5mm serrated ceiling nails at 150mm c/c, minimum of 12mm from edge of board. All joints to be covered using H-profile steel jointing strips, all in accordance with the manufacturer's recommendations	m2	165	-
6	Extra over ceilings 600x600mm trap door opening with 50x38mm SAP braced frame, filled with top hinged metal panel door. (Colour White)	No	1	-
<u>Hardboard cornices</u>				
7	83mm Masonite coved hardboard cornices nailed to battens at max. 300mm c/c all round.	m	85	-

	<u>120mm Flexible fibreglass insulation</u>				
8	120mm Insulation in blanket form lapped not less than 50mm along all edges and laid on top of branderling between roof timbers etc	m2	165		-
	<b><u>NEW BLOCK 3 (3 x Classrooms)</u></b>				
	<u>6mm Nutec ceilings</u>				
9	Everite Nutec 6mm thick plain ceiling boards, manufactured in accordance with SANS 9001:2000 carrying SANS 803:2005 mark, standard size: 1200x3600mm fixed to 38x50mm SAP timber branderling at 600mm c/c using 32x2,5mm serrated ceiling nails at 150mm c/c, minimum of 12mm from edge of board. All joints to be covered using H-profile steel jointing strips, all in accordance with the manufacturer's recommendations	m2	215		-
10	Extra over ceilings 600x600mm trap door opening with 50x38mm SAP braced frame, filled with top hinged metal panel door. (Colour White)	No	1		-
	<u>Hardboard cornices</u>				
11	83mm Masonite coved hardboard cornices nailed to battens at max. 300mm c/c all round.	m	90		-
	<u>120mm Flexible fibreglass insulation</u>				
12	120mm Insulation in blanket form lapped not less than 50mm along all edges and laid on top of branderling between roof timbers etc	m2	215		-
	<b><u>NEW BLOCK 4 (3 x Classroom + Admin Offices)</u></b>				
	<u>6mm Nutec ceilings</u>				
13	Everite Nutec 6mm thick plain ceiling boards, manufactured in accordance with SANS 9001:2000 carrying SANS 803:2005 mark, standard size: 1200x3600mm fixed to 38x50mm SAP timber branderling at 600mm c/c using 32x2,5mm serrated ceiling nails at 150mm c/c, minimum of 12mm from edge of board. All joints to be covered using H-profile steel jointing strips, all in accordance with the manufacturer's recommendations	m2	330		-
14	Extra over ceilings 600x600mm trap door opening with 50x38mm SAP braced frame, filled with top hinged metal panel door. (Colour White)	No	1		-
	<u>Hardboard cornices</u>				
15	83mm Masonite coved hardboard cornices nailed to battens at max. 300mm c/c all round.	m	600		-
	<u>120mm Flexible fibreglass insulation</u>				
16	120mm Insulation in blanket form lapped not less than 50mm along all edges and laid on top of branderling between roof timbers etc	m2	330		-
	<b><u>BLOCK 5 (STAFF ACCOMODATION)</u></b>				
	<u>6mm Nutec ceilings</u>				
17	Everite Nutec 6mm thick plain ceiling boards, manufactured in accordance with SANS 9001:2000 carrying SANS 803:2005 mark, standard size: 1200x3600mm fixed to 38x50mm SAP timber branderling at 600mm c/c using 32x2,5mm serrated ceiling nails at 150mm c/c, minimum of 12mm from edge of board. All joints to be covered using H-profile steel jointing strips, all in accordance with the manufacturer's recommendations	m2	60		-

18	Extra over ceilings 600x600mm trap door opening with 50x38mm SAP braced frame, filled with top hinged metal panel door. (Colour White)	No	1	-
	<u>Hardboard cornices</u>			
19	83mm Masonite coved hardboard cornices nailed to battens at max. 300mm c/c all round.	m	60	-
	<u>120mm Flexible fibreglass insulation</u>			
20	120mm Insulation in blanket form lapped not less than 50mm along all edges and laid on top of brandering between roof timbers etc	m2	60	-
	<b><u>NEW BLOCK 6 (NEW BOYS ABLUTION)</u></b>			
	<u>6mm Nutec ceilings</u>			
21	Everite Nutec 6mm thick plain ceiling boards, manufactured in accordance with SANS 9001:2000 carrying SANS 803:2005 mark, standard size: 1200x3600mm fixed to 38x50mm SAP timber brandering at 600mm c/c using 32x2,5mm serrated ceiling nails at 150mm c/c, minimum of 12mm from edge of board. All joints to be covered using H-profile steel jointing strips, all in accordance with the manufacturer's recommendations	m2	20	-
22	Extra over ceilings 600x600mm trap door opening with 50x38mm SAP braced frame, filled with top hinged metal panel door. (Colour White)	No	1	-
	<u>Hardboard cornices</u>			
23	83mm Masonite coved hardboard cornices nailed to battens at max. 300mm c/c all round.	m	31	-
	<u>120mm Flexible fibreglass insulation</u>			
24	120mm Insulation in blanket form lapped not less than 50mm along all edges and laid on top of brandering between roof timbers etc	m2	20	-
	<b><u>NEW BLOCK 7 (NEW GIRLS ABLUTION)</u></b>			
	<u>6mm Nutec ceilings</u>			
25	Everite Nutec 6mm thick plain ceiling boards, manufactured in accordance with SANS 9001:2000 carrying SANS 803:2005 mark, standard size: 1200x3600mm fixed to 38x50mm SAP timber brandering at 600mm c/c using 32x2,5mm serrated ceiling nails at 150mm c/c, minimum of 12mm from edge of board. All joints to be covered using H-profile steel jointing strips, all in accordance with the manufacturer's recommendations	m2	22	-
26	Extra over ceilings 600x600mm trap door opening with 50x38mm SAP braced frame, filled with top hinged metal panel door. (Colour White)	No	1	-
	<u>Hardboard cornices</u>			
27	83mm Masonite coved hardboard cornices nailed to battens at max. 300mm c/c all round.	m	36	-
	<u>120mm Flexible fibreglass insulation</u>			
28	120mm Insulation in blanket form lapped not less than 50mm along all edges and laid on top of brandering between roof timbers etc	m2	22	-
	<b><u>NEW BLOCK 8 (NEW EDUCATORS ABLUTION)</u></b>			
	<u>6mm Nutec ceilings</u>			

29	Everite Nutec 6mm thick plain ceiling boards, manufactured in accordance with SANS 9001:2000 carrying SANS 803:2005 mark, standard size: 1200x3600mm fixed to 38x50mm SAP timber brander at 600mm c/c using 32x2,5mm serrated ceiling nails at 150mm c/c, minimum of 12mm from edge of board. All joints to be covered using H-profile steel jointing strips, all in accordance with the manufacturer's recommendations	m2	20	-
30	Extra over ceilings 600x600mm trap door opening with 50x38mm SAP braced frame, filled with top hinged metal panel door. (Colour White)	No	1	-
	<u>Hardboard cornices</u>			
31	83mm Masonite coved hardboard cornices nailed to battens at max. 300mm c/c all round.	m	31	-
	<u>120mm Flexible fibreglass insulation</u>			
32	120mm Insulation in blanket form lapped not less than 50mm along all edges and laid on top of brander between roof timbers etc	m2	20	-
<b>SECTION 2 : BUILDING WORKS</b>				
<b><u>BILL NO. 10 : FLOOR COVERINGS, WALL LININGS, ETC</u></b>				
<b>PREAMBLES</b>				
The Tenderer is referred to the relevant Clauses in the separate documents General Specification (PW 371-A) July 2013 and Particular Specification (PW 371B) July 2013.				
<b>SUPPLEMENTARY PREAMBLES</b>				
<b>Fixing</b>				
Floor coverings, wall linings, etc shall, where applicable, be fixed with adhesive as recommended by the manufacturers of the flooring, linings, etc				
<b>FLOOR COVERING</b>				
<b><u>BLOCK 1 (5 x CLASSROOMS)</u></b>				
<u>300 x 300 x 2mm semi flexible vinyl tiles</u>				
1	On floors	m2	290	-
<b>POLISH, SEALERS, ETC.</b>				
<u>Scrub and seal with three coats water based Polymer emulsions:</u>				
2	On Vinyl Flooring	m2	290	-
<b>FLOOR COVERING</b>				
<b><u>BLOCK 2 (STAFFROOM and SCHOOL HALL)</u></b>				
<u>300 x 300 x 2mm semi flexible vinyl tiles</u>				
3	On floors	m2	170	-
<b>POLISH, SEALERS, ETC.</b>				
<u>Scrub and seal with three coats water based Polymer emulsions:</u>				
4	On Vinyl Flooring	m2	170	-
<b>FLOOR COVERING</b>				
<b><u>NEW BLOCK 3 (3 x Classrooms)</u></b>				



	<u>300 x 300 x 2mm semi flexible vinyl tiles</u>				
5	On floors	m2	215		-
	<b>POLISH, SEALERS, ETC.</b>				
	<u>Scrub and seal with three coats water based Polymer emulsions:</u>				
6	On Vinyl Flooring	m2	215		-
	<b><u>NEW BLOCK 4 (3 x Classroom + Admin Offices)</u></b>				
	<b>FLOOR COVERING</b>				
	<u>300 x 300 x 2mm semi flexible vinyl tiles</u>				
7	On floors	m2	330		-
	<b>POLISH, SEALERS, ETC.</b>				
	<u>Scrub and seal with three coats water based Polymer emulsions:</u>				
8	On Vinyl Flooring	m2	330		-
	<b><u>BLOCK 5 (STAFF ACCOMODATION)</u></b>				
	<b>FLOOR COVERING</b>				
	<u>300 x 300 x 2mm semi flexible vinyl tiles</u>				
9	On floors	m2	60		-
	<b>POLISH, SEALERS, ETC.</b>				
	<u>Scrub and seal with three coats water based Polymer emulsions:</u>				
10	On Vinyl Flooring	m2	60		-
	<b><u>NEW BLOCK 6 (NEW BOYS ABLUTION)</u></b>				
	<b>FLOOR COVERING</b>				
	<b>POLISH, SEALERS, ETC.</b>				
	<u>Scrub and seal with three coats epoxy based polymer emulsions:</u>				
11	On cement screed flooring	m2	25		-
	<b><u>NEW BLOCK 7 (NEW GIRLS ABLUTION)</u></b>				
	<b>POLISH, SEALERS, ETC.</b>				
	<u>Scrub and seal with three coats epoxy based polymer emulsions:</u>				
12	On cement screed flooring	m2	25		-
	<b><u>NEW BLOCK 8 (NEW EDUCATORS ABLUTION)</u></b>				
	<b>POLISH, SEALERS, ETC.</b>				
	<u>Scrub and seal with three coats epoxy based polymer emulsions:</u>				
13	On cement screed flooring	m2	36		-
	<b><u>SECTION 2 : BUILDING WORKS</u></b>				
	<b><u>BILL NO. 11 : PLUMBING AND DRAINAGE</u></b>				
	<b>PREAMBLES</b>				

The contractor is referred to the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.

#### SUPPLEMENTARY PREAMBLES

#### DESCRIPTIONS AND PREAMBLES

Reference shall be made to other trades for preambles and full descriptions of items not fully described in this trade which shall apply to work in this trade, unless otherwise described

#### RATES

Rates for all piping, fittings, etc shall include for all fixing in position of fittings, cutting of chases in brickwork or concrete, excavation of trenches, backfilling, etc unless otherwise described

#### DIAMETER OF PIPES

Diameters stated for pipes, traps, valves, etc are internal diameters, except UPVC, polyethylene, stainless steel and copper pipes for which external diameters are stated.

#### REDUCING FITTINGS

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 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.

#### uPVC PIPES AND FITTINGS

Sewer and Drainage pipes and fittings shall be according to SABS 791, jointed and sealed with butyl rubber rings. Soil, waste and vent pipes and fittings shall be according to SABS 967 and solvent jointed. Cold water supply pressure pipes and fittings shall be according to SABS 966 and jointed by means of the "Lyng" type jointing system. Pipes shall be fixed and jointed according to SABS 0112.

#### RAINWATER DISPOSAL

#### NEW BLOCK 3 (3 x Classrooms)

#### PVC Rainwater Pipes and Accessories in Long Lengths

1	110mm Eaves gutter fixed to PVC fascia	m	55	-
2	Extra over gutter for stopped end	No.	4	-
3	Extra over gutter for angle	No.	4	-
4	Extra over gutter for outlet for 110mm pipe including galvanised wire ballon grating	No.	2	-
5	75mm diameter rainwater downpipes to falls and fitted to ground water tank (elsewhere)	m	12	-
6	Extra over rain water pipe for eaves and plinth offset	No.	4	-

#### NEW BLOCK 4 (3 x Classroom + Admin Offices)

#### PVC Rainwater Pipes and Accessories in Long Lengths

7	110mm Eaves gutter fixed to PVC fascia	m	75	-
6	Extra over gutter for stopped end	No.	4	-
8	Extra over gutter for angle	No.	4	-

10	Extra over gutter for outlet for 110mm pipe including galvanised wire ballon grating	No.	2	-
11	75mm diameter rainwater downpipes to falls and fitted to ground water tank (elsewhere)	m	12	-
12	Extra over rain water pipe for eaves and plinth offset	No.	4	-
<b><u>NEW BLOCK 6 (NEW BOYS ABLUTION), NEW BLOCK 7 (NEW GIRLS ABLUTION), NEW BLOCK 8 (NEW EDUCATORS ABLUTION)</u></b>				
<b>PVC Rainwater Pipes and Accessories in Long Lengths</b>				
13	110mm Eaves gutter fixed to PVC fascia	m	20	-
14	Extra over gutter for stopped end	No.	6	-
15	Extra over gutter for angle	No.	6	-
16	Extra over gutter for outlet for 110mm pipe including galvanised wire ballon grating	No.	6	-
17	75mm diameter rainwater downpipes to falls and fitted to ground water tank (elsewhere)	m	15	-
18	Extra over rain water pipe for eaves and plinth offset	No.	6	-
<b>SANITARY FITTINGS</b>				
<b><u>NEW BLOCK 6 (NEW BOYS ABLUTION), NEW BLOCK 7 (NEW GIRLS ABLUTION), NEW BLOCK 8 (NEW EDUCATORS ABLUTION)</u></b>				
<b>Basin</b>				
19	Wash hand basin size 570 x 400mm with 2 tap holes and built in soap holder complete with galvanised bracket. Set to be fitted as per manufacturer's instructions.	No.	8	-
<b>Water Closet</b>				
20	WC suite with close coupled 90 degrees outlet open rin fit for VIP toilets complete with lid and single flap heavy duty plastic seat. Set to be fitted according to manufacturer's instructions.	No.	10	-
<b>Paraplegic Water Closet</b>				
21	Paraplegic WC suite with semi-close coupled 90 degrees outlet open rim washdown pan fit for VIP toilets complete with lid, fitments seat and cover plate. Set to be fitted according to manufacturer's instructions.	No.	1	-
<b>Urinal</b>				
22	Bowl urinal size 320 x 495mm high including waterless urinal fitting and waste complete with brackets. Set to be fitted as per manufacturer's instructions.	No.	3	-
<b>WASTE UNIONS, ETC</b>				
23	38mm Bath or Sink waste union	No.	12	-
<b>TRAPS, ETC</b>				
24	32-40mm Rubber Deep Seal P or S Trap	No.	12	-
<b>TAPS, VALVES, ETC</b>				
<b><u>Approved</u></b>				
25	Square type pillar tap with hot and cold indices and flanged back nut. All items to be fully fitted with all necessary plumbing accessories.	No.	8	-

26	Chrome plated elbow action bib tap with trigger control hand wash set with red/blue indice. All items to be fully fitted with all necessary plumbing accessories.		8	-
27	15 x 350mm CP flexible connector		8	-
<b>SANITARY FITTINGS</b>				
<u><b>uPVC pipes</b></u>				
28	50mm pipes	m	18	-
29	50mm pipes chased into brick walls	m	18	-
30	110mm Vent pipes fitted vent cowl	m	9	-
<u><b>Extra Over uPVC pipes for fittings</b></u>				
31	50mm bend	No.	5	-
32	50mm Access Bend	No.	5	-
33	50mm Junction	No.	5	-
34	50mm Access Junction	No.	5	-
<u><b>Sundries</b></u>				
35	Testing sanitary plumbing system	Item	1	-
<b>DOMESTIC WATER SUPPLIES</b>				
<u><b>NEW BLOCK 6 (NEW BOYS ABLUTION), NEW BLOCK 7 (NEW GIRLS ABLUTION), NEW BLOCK 8 (NEW EDUCATORS ABLUTION)</b></u>				
<b>Class "O" copper pipes:</b>				
36	15mm pipes	m	18	-
8	15mm pipes chased in brickwork	m	18	-
39	22mm pipes	m	12	-
40	22mm pipes chased in brickwork	m	12	-
<u><b>Extra over class "O" copper pipes for capillary fittings "LI"</b></u>				
41	15mm fittings	No.	10	-
42	22mm fittings	No.	10	-
<u><b>Sundries</b></u>				
43	Testing water pipe system	Item	1	-
<b>TANKS, ETC</b>				
<u><b>1800mm diameter 2040 high water storage tank with black internal lining with cover and lid, connected to eaves gutter harvesting system</b></u>				
44	5 000 litre water storage Jojo tank including necessary plumbing fittings and constructing the plinth complete	No.	4	-
<b>BUDGETARY ALLOWANCES</b>				
The following budgetary allowances are for work to be executed by the contractor and will be measured and valued at rates in these bill of quantities				
<u><b>Soakaway Tank</b></u>				

45	Provide the sum of R80 000.00 (Eighty Thousand Rand) for construction of soakaway tank complete with all plumbing fittings, etc to be used as directed by the Principal Agent or deducted in whole or part.	Item	1	-
<b><u>SECTION 2 : BUILDING WORKS</u></b>				
<b><u>BILL NO. 12 : IRONMONGERY</u></b>				
<b>PREAMBLES</b>				
The Tenderer is referred to the relevant Clauses in the separate documents General Specification (PW 371-A) July 2013 and Particular Specification (PW 371B) July 2013.				
<b>SUPPLEMENTARY PREAMBLES</b>				
<b>Proprietary items</b>				
Where applicable the manufacturer's names or product catalogue titles are given in sub-headings preceding the items. Prices are to be based on the specific products/articles specified. If tenderers wish to offer alternative products/articles for certain items, these items are to be clearly marked and the alternative specification given with supporting brochures etc clarifying the features of the products/articles offered. On request returnable samples are to be provided to the principal agent for consideration.				
<b><u>BLOCK 1 (5 x CLASSROOMS)</u></b>				
<b>LOCKS</b>				
<u>Manufactured by approved supplier</u>				
1	Euro profile cylinder SASH Lock - Chrome Plated	No	5	-
2	66mm Privacy cylinder - Nickle Plated	No	5	-
<b>HANDLES</b>				
3	1Pr. Duba One lever handles on plate	No	5	-
4	300mm Flush bolt - Satin Chrome	No	2	-
5	150mm Flush bolt - Satin Chrome	No	2	-
<b>HINGES AND BOLTS</b>				
6	Rebate conversion set	No	2	-
<b>SUNDRIES</b>				
<u>Manufactured by approved supplier</u>				
7	Floor mounted door stop - Satin Chrome	No	5	-
8	175mm Floor operated door holder	No	2	-
<b><u>BLOCK 2 (STAFFROOM and SCHOOL HALL)</u></b>				
<b>LOCKS</b>				
<u>Manufactured by approved supplier</u>				
9	Euro profile cylinder SASH Lock - Chrome Plated	No	3	-
10	66mm Privacy cylinder - Nickle Plated	No	3	-
<b>HANDLES</b>				
11	1Pr. Duba One lever handles on plate	No	3	-

	<b>SUNDRIES</b>				
	<u>Manufactured by approved supplier</u>				
12	Floor mounted door stop - Satin Chrome	No	3		-
	<b><u>NEW BLOCK 3 (3 x Classrooms)</u></b>				
	<b>LOCKS</b>				
	<u>Manufactured by approved supplier</u>				
13	Euro profile cylinder SASH Lock - Chrome Plated	No	3		-
14	66mm Privacy cylinder - Nickle Plated	No	3		-
	<b>HANDLES</b>				
15	1Pr. Duba One lever handles on plate	No	3		-
	<b>SUNDRIES</b>				
	<u>Manufactured by approved supplier</u>				
16	Floor mounted door stop - Satin Chrome	No	3		-
	<b><u>NEW BLOCK 4 (3 x Classroom + Admin Offices)</u></b>				
	<b>LOCKS</b>				
	<u>Manufactured by approved supplier</u>				
17	Euro profile cylinder SASH Lock - Chrome Plated	No	10		-
18	66mm Privacy cylinder - Nickle Plated	No	10		-
	<b>HANDLES</b>				
19	1Pr. Duba One lever handles on plate	No	10		-
	<b>SUNDRIES</b>				
	<u>Manufactured by approved supplier</u>				
20	Floor mounted door stop - Satin Chrome	No	10		-
	<b><u>BLOCK 5 (STAFF ACCOMODATION)</u></b>				
	<b>LOCKS</b>				
	<u>Manufactured by approved supplier</u>				
21	Euro profile cylinder SASH Lock - Chrome Plated	No	6		-
22	66mm Privacy cylinder - Nickle Plated	No	6		-
	<b>HANDLES</b>				
23	1Pr. Duba One lever handles on plate	No	6		-
	<b>SUNDRIES</b>				
	<u>Manufactured by approved supplier</u>				
24	Floor mounted door stop - Satin Chrome	No	6		-
	<b><u>NEW BLOCK 6 (NEW BOYS ABLUTION)</u></b>				
	<b>LOCKS</b>				
	<u>Manufactured by approved supplier</u>				

25	Euro profile cylinder SASH Lock - Chrome Plated	No	3	-
26	66mm Privacy cylinder - Nickle Plated	No	3	-
	<b>HANDLES</b>			
27	1Pr. Duba One lever handles on plate	No	3	-
	<b>SUNDRIES</b>			
	<u>Manufactured by approved supplier</u>			
28	Floor mounted door stop - Satin Chrome	No	3	-
	<b><u>NEW BLOCK 7 (NEW GIRLS ABLUTION)</u></b>			
	<b>LOCKS</b>			
	<u>Manufactured by approved supplier</u>			
29	Euro profile cylinder SASH Lock - Chrome Plated	No	5	-
30	66mm Privacy cylinder - Nickle Plated	No	5	-
	<b>HANDLES</b>			
31	1Pr. Duba One lever handles on plate	No	5	-
	<b>SUNDRIES</b>			
	<u>Manufactured by approved supplier</u>			
32	Floor mounted door stop - Satin Chrome	No	5	-
	<b><u>NEW BLOCK 8 (NEW EDUCATORS ABLUTION)</u></b>			
	<b>LOCKS</b>			
	<u>Manufactured by approved supplier</u>			
33	Euro profile cylinder SASH Lock - Chrome Plated	No	6	-
34	66mm Privacy cylinder - Nickle Plated	No	6	-
	<b>HANDLES</b>			
35	1Pr. Duba One lever handles on plate	No	6	-
	<b>SUNDRIES</b>			
	<u>Manufactured by approved supplier</u>			
36	Floor mounted door stop - Satin Chrome	No	6	-
	<b><u>SECTION 2 : BUILDING WORKS</u></b>			
	<b><u>BILL NO. 13 : METALWORKS</u></b>			
	<b>PREAMBLES</b>			
	The Tenderer is referred to the relevant Clauses in the separate documents General Specification (PW 371-A) July 2013 and Particular Specification (PW 371B) July 2013.			
	<b>SUPPLEMENTARY PREAMBLES</b>			
	<b>Fixing</b>			
	Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete.			

<p><b>Joinery</b></p> <p>Descriptions of frames shall be deemed to include frames, transoms, rails, etc Description of hardwood joinery shall be deemed to include sinking and pelleting heads and nuts of bolts</p> <p><b>DOORS</b></p> <p>Fire Doors Fire doors are to be in accordance with SANS 1253</p> <p><b>CUPBOARDS TO KITCHENS, BEDROOMS, ETC</b></p> <p><b>General</b></p> <p>The following cupboard fittings have been given as complete units i.e. the components of the units have not been given separately. Description of such units shall, therefore, be deemed to include all components, assembling, housing, notching, gluing, blocking, planting-on and screwing with countersunk screws, edge strips, thermosetting plastic laminate, glass, ironmongery, metalwork, paint or vanish finishes, etc Note: Tenderers are advised to study the Model Preambles for Trades before pricing this bill</p> <p><b><u>BLOCK 1 (5 x CLASSROOMS)</u></b></p> <p><b>PRESSED STEEL DOOR FRAMES</b></p> <p><u>1.6mm pressed metal door frames incl 1.6mm sheet metal weather hood, double rebate with profiles to conform to SABS 1129-1977, fitted complete with one and a half pair heavy duty 100mm/4.2mm butt hinges, adjustable striking plate, rubber buffers and fixing lugs, suitable for 110mm wall</u></p> <tr> <td>1</td><td>Frame for door 813 x 2032mm high door</td><td>No</td><td>5</td><td>-</td></tr> <p><b>ALUMINIUM WINDOWS AND DOORS</b></p> <p><u>Matt light grey powder coated windows Glazed with GSA SmartGlass - Neutral Low E Smart Glass- complying with SANS 1263 Part 1, 2 or 3 with name of the manufacturer permanently marked on each sheet visible after glazing, in accordance with NBR N schedule 1 and SANS 10137: 2012 Ironmongery: Supplied by window Manufacturer, all to Architects approval Burglar Proofing to be provided all to Architects approval.</u></p> <tr> <td>2</td><td>900x1200mm Window (W01)</td><td>No</td><td>35</td><td>-</td></tr> <p><b>STEEL GATES, SCREENS, ETC</b></p> <p><b>Welded screens and gates</b></p> <tr> <td>3</td><td>Gate 5 - As per gate schedule</td><td>No</td><td>5</td><td>-</td></tr> <p><b><u>BLOCK 2 (STAFFROOM and SCHOOL HALL)</u></b></p> <p><b>PRESSED STEEL DOOR FRAMES</b></p> <p><u>1.6mm pressed metal door frames incl 1.6mm sheet metal weather hood, double rebate with profiles to conform to SABS 1129-1977, fitted complete with one and a half pair heavy duty 100mm/4.2mm butt hinges, adjustable striking plate, rubber buffers and fixing lugs, suitable for 110mm wall</u></p> <tr> <td>4</td><td>Frame for door 813 x 2032mm high door</td><td>No</td><td>3</td><td>-</td></tr> <p><b>ALUMINIUM WINDOWS AND DOORS</b></p> <p><u>Matt light grey powder coated windows Glazed with GSA SmartGlass - Neutral Low E Smart Glass- complying with SANS 1263 Part 1, 2 or 3 with name of the manufacturer permanently marked on each sheet visible after glazing, in accordance with NBR N schedule 1 and SANS 10137: 2012 Ironmongery: Supplied by window Manufacturer, all to Architects approval Burglar Proofing to be provided all to Architects approval.</u></p>	1	Frame for door 813 x 2032mm high door	No	5	-	2	900x1200mm Window (W01)	No	35	-	3	Gate 5 - As per gate schedule	No	5	-	4	Frame for door 813 x 2032mm high door	No	3	-				
1	Frame for door 813 x 2032mm high door	No	5	-																				
2	900x1200mm Window (W01)	No	35	-																				
3	Gate 5 - As per gate schedule	No	5	-																				
4	Frame for door 813 x 2032mm high door	No	3	-																				



5	900x900mm Window (W01)	No	66	-
	<b><u>NEW BLOCK 3 (3 x Classrooms)</u></b>			
	<b>PRESSED STEEL DOOR FRAMES</b>			
	<u>1.6mm pressed metal door frames incl 1.6mm sheet metal weather hood, double rebate with profiles to conform to SABS 1129-1977, fitted complete with one and a half pair heavy duty 100mm/4.2mm butt hinges, adjustable striking plate, rubber buffers and fixing lugs, suitable for 110mm wall</u>			
6	Frame for door 813 x 2032mm high door	No	18	-
	<b>ALUMINIUM WINDOWS AND DOORS</b>			
	<u>Matt light grey powder coated windows Glazed with Obscure glass Low E Smart Glass- complying with SANS 1263 Part 1, 2 or 3 with name of the manufacturer permanently marked on each sheet visible after glazing, in accordance with NBR N schedule 1 and SANS 10137: 2012 Ironmongery: Supplied by window Manufacturer, all to Architects approval Burglar Proofing to be provided all to Architects approval..</u>			
7	900x900mm Window (W01)	No	18	-
	<b><u>NEW BLOCK 4 (3 x Classroom + Admin Offices)</u></b>			
	<b>PRESSED STEEL DOOR FRAMES</b>			
	<u>1.6mm pressed metal door frames incl 1.6mm sheet metal weather hood, double rebate with profiles to conform to SABS 1129-1977, fitted complete with one and a half pair heavy duty 100mm/4.2mm butt hinges, adjustable striking plate, rubber buffers and fixing lugs, suitable for 220mm wall</u>			
8	Frame for door 813 x 2032mm high door	No	10	-
	<b>ALUMINIUM WINDOWS AND DOORS</b>			
	<u>Matt light grey powder coated windows Glazed with GSA SmartGlass - Neutral Low E Smart Glass- complying with SANS 1263 Part 1, 2 or 3 with name of the manufacturer permanently marked on each sheet visible after glazing, in accordance with NBR N schedule 1 and SANS 10137: 2012 Ironmongery: Supplied by window Manufacturer, all to Architects approval Burglar Proofing to be provided all to Architects approval.</u>			
9	900x900mm Window (W01)	No	29	-
	<b><u>BLOCK 5 (STAFF ACCOMODATION)</u></b>			
	<b>PRESSED STEEL DOOR FRAMES</b>			
	<u>1.6mm pressed metal door frames incl 1.6mm sheet metal weather hood, double rebate with profiles to conform to SABS 1129-1977, fitted complete with one and a half pair heavy duty 100mm/4.2mm butt hinges, adjustable striking plate, rubber buffers and fixing lugs, suitable for 220mm wall</u>			
10	Frame for door 813 x 2032mm high door	No	6	-
	<b>ALUMINIUM WINDOWS AND DOORS</b>			
	<u>Matt light grey powder coated windows Glazed with GSA SmartGlass - Neutral Low E Smart Glass- complying with SANS 1263 Part 1, 2 or 3 with name of the manufacturer permanently marked on each sheet visible after glazing, in accordance with NBR N schedule 1 and SANS 10137: 2012 Ironmongery: Supplied by window Manufacturer, all to Architects approval Burglar Proofing to be provided all to Architects approval.</u>			
11	900x900mm Window (W02)	No	40	-
	<b><u>NEW BLOCK 6 (NEW BOYS ABLUTION)</u></b>			

	<p><b>PRESSED STEEL DOOR FRAMES</b></p> <p><u>1.6mm pressed metal door frames incl 1.6mm sheet metal weather hood, double rebate with profiles to conform to SABS 1129-1977, fitted complete with one and a half pair heavy duty 100mm/4.2mm butt hinges, adjustable striking plate, rubber buffers and fixing lugs, suitable for 220mm wall</u></p>				
12	<p>Frame for door 813 x 2032mm high door</p> <p><b>ALUMINIUM WINDOWS AND DOORS</b></p> <p><u>Matt light grey powder coated windows Glazed with GSA SmartGlass - Neutral Low E Smart Glass- complying with SANS 1263 Part 1, 2 or 3 with name of the manufacturer permanently marked on each sheet visible after glazing, in accordance with NBR N schedule 1 and SANS 10137: 2012 Ironmongery: Supplied by window Manufacturer, all to Architects approval Burglar Proofing to be provided all to Architects approval.</u></p>	No	3		-
13	<p>900x900mm Window (W01)</p> <p><b>NEW BLOCK 7 (NEW GIRLS ABLUTION)</b></p> <p><b>PRESSED STEEL DOOR FRAMES</b></p> <p><u>1.6mm pressed metal door frames incl 1.6mm sheet metal weather hood, double rebate with profiles to conform to SABS 1129-1977, fitted complete with one and a half pair heavy duty 100mm/4.2mm butt hinges, adjustable striking plate, rubber buffers and fixing lugs, suitable for 220mm wall</u></p>	No	3		-
14	<p>Frame for door 813 x 2032mm high door</p> <p><b>ALUMINIUM WINDOWS AND DOORS</b></p> <p><u>Matt light grey powder coated windows Glazed with GSA SmartGlass - Neutral Low E Smart Glass- complying with SANS 1263 Part 1, 2 or 3 with name of the manufacturer permanently marked on each sheet visible after glazing, in accordance with NBR N schedule 1 and SANS 10137: 2012 Ironmongery: Supplied by window Manufacturer, all to Architects approval Burglar Proofing to be provided all to Architects approval.</u></p>	No	5		-
15	<p>900x900mm Window (W01)</p> <p><b>NEW BLOCK 8 (NEW EDUCATORS ABLUTION)</b></p> <p><b>PRESSED STEEL DOOR FRAMES</b></p> <p><u>1.6mm pressed metal door frames incl 1.6mm sheet metal weather hood, double rebate with profiles to conform to SABS 1129-1977, fitted complete with one and a half pair heavy duty 100mm/4.2mm butt hinges, adjustable striking plate, rubber buffers and fixing lugs, suitable for 220mm wall</u></p>	No	5		-
16	<p>Frame for door 813 x 2032mm high door</p> <p><b>ALUMINIUM WINDOWS AND DOORS</b></p> <p><u>Matt light grey powder coated windows Glazed with GSA SmartGlass - Neutral Low E Smart Glass- complying with SANS 1263 Part 1, 2 or 3 with name of the manufacturer permanently marked on each sheet visible after glazing, in accordance with NBR N schedule 1 and SANS 10137: 2012 Ironmongery: Supplied by window Manufacturer, all to Architects approval Burglar Proofing to be provided all to Architects approval.</u></p>	No	6		-
17	<p>900x900mm Window (W02)</p> <p><b>SECTION 2 : BLOCK 1 ADMIN</b></p> <p><b>BILL NO. 14 : PLASTERING</b></p>	No	6		-

<b>PREAMBLES</b>				
The Tenderer is referred to the relevant Clauses in the separate documents General Specification (PW 371-A) July 2013 and Particular Specification (PW 371B) July 2013.				
<b><u>BLOCK 1 (5 x CLASSROOMS)</u></b>				
<b>SCREEDS</b>				
<u>Screeds wood floated, on concrete</u>				
1	25mm Thick screed on surface bed, incl chipping, cleaning and brushing with Cement/Sand slurry before screeding	m2	290	-
<b>INTERNAL PLASTER</b>				
<u>Cement plaster steel trowelled on brickwork</u>				
2	On walls	m2	430	-
3	On narrow widths	m2	15	-
<b>EXTERNAL PLASTER</b>				
<u>Cement plaster steel trowelled on brickwork</u>				
4	On walls	m2	45	-
<u>Cement plaster steel trowelled on concrete</u>				
5	Plaster to roof beam	m2	45	-
<b><u>BLOCK 2 (STAFFROOM and SCHOOL HALL)</u></b>				
<b>SCREEDS</b>				
<u>Screeds wood floated, on concrete</u>				
6	25mm Thick screed on surface bed, incl chipping, cleaning and brushing with Cement/Sand slurry before screeding	m2	170	-
<b>INTERNAL PLASTER</b>				
<u>Cement plaster steel trowelled on brickwork</u>				
7	On walls	m2	215	-
8	On narrow widths	m2	28	-
<b>EXTERNAL PLASTER</b>				
<u>Cement plaster steel trowelled on brickwork</u>				
9	On walls	m2	30	-
<u>Cement plaster steel trowelled on concrete</u>				
10	Plaster to roof beam	m2	30	-
<b><u>NEW BLOCK 3 (3 x Classrooms)</u></b>				
<b>SCREEDS</b>				
<u>Screeds wood floated, on concrete</u>				
11	25mm Thick screed on surface bed, incl chipping, cleaning and brushing with Cement/Sand slurry before screeding	m2	215	-
<b>INTERNAL PLASTER</b>				
<u>Cement plaster steel trowelled on brickwork</u>				

12	On walls	m2	275	-
	<b>EXTERNAL PLASTER</b>			
	<u>Cement plaster steel trowelled on brickwork</u>			
13	On walls	m2	65	-
	<b>NEW BLOCK 4 (3 x Classroom + Admin Offices)</b>			
	<b>SCREEDS</b>			
	<u>Screeds wood floated, on concrete</u>			
14	25mm Thick screed on surface bed, incl chipping, cleaning and brushing with Cement/Sand slurry before screeding	m2	330	-
	<b>INTERNAL PLASTER</b>			
	<u>Cement plaster steel trowelled on brickwork</u>			
15	On walls	m2	1860	-
16	On narrow widths	m2	75	-
	<b>EXTERNAL PLASTER</b>			
	<u>Cement plaster steel trowelled on brickwork</u>			
17	On walls	m2	170	-
	<u>Cement plaster steel trowelled on concrete</u>			
18	Plaster to roof beam	m2	170	-
	<b>BLOCK 5 (STAFF ACCOMODATION)</b>			
	<b>SCREEDS</b>			
	<u>Screeds wood floated, on concrete</u>			
19	25mm Thick screed on surface bed, incl chipping, cleaning and brushing with Cement/Sand slurry before screeding	m2	60	-
	<b>INTERNAL PLASTER</b>			
	<u>Cement plaster steel trowelled on brickwork</u>			
20	On walls	m2	168	-
21	On narrow widths	m2	20	-
	<b>EXTERNAL PLASTER</b>			
	<u>Cement plaster steel trowelled on brickwork</u>			
22	On walls	m2	15	-
	<u>Cement plaster steel trowelled on concrete</u>			
23	Plaster to roof beam	m2	15	-
	<b>NEW BLOCK 6 (NEW BOYS ABLUTION)</b>			
	<b>SCREEDS</b>			
	<u>Screeds wood floated, on concrete</u>			
24	25mm Thick screed on surface bed, incl chipping, cleaning and brushing with Cement/Sand slurry before screeding	m2	21	-

<b>INTERNAL PLASTER</b>				
<u>Cement plaster steel trowelled on brickwork</u>				
25	On walls	m2	90	-
26	On narrow widths	m2	15	-
<b>EXTERNAL PLASTER</b>				
<u>Cement plaster steel trowelled on brickwork</u>				
27	On walls	m2	5	-
<u>Cement plaster steel trowelled on concrete</u>				
28	Plaster to roof beam	m2	5	-
<b><u>NEW BLOCK 7 (NEW GIRLS ABLUTION)</u></b>				
<b>SCREEDS</b>				
<u>Screeds wood floated, on concrete</u>				
29	25mm Thick screed on surface bed, incl chipping, cleaning and brushing with Cement/Sand slurry before screeding	m2	25	-
<b>INTERNAL PLASTER</b>				
<u>Cement plaster steel trowelled on brickwork</u>				
30	On walls	m2	110	-
31	On narrow widths	m2	25	-
<b>EXTERNAL PLASTER</b>				
<u>Cement plaster steel trowelled on brickwork</u>				
32	On walls	m2	30	-
<u>Cement plaster steel trowelled on concrete</u>				
33	Plaster to roof beam	m2	30	-
<b><u>NEW BLOCK 8 (NEW EDUCATORS ABLUTION)</u></b>				
<b>SCREEDS</b>				
<u>Screeds wood floated, on concrete</u>				
34	25mm Thick screed on surface bed, incl chipping, cleaning and brushing with Cement/Sand slurry before screeding	m2	40	-
<b>INTERNAL PLASTER</b>				
<u>Cement plaster steel trowelled on brickwork</u>				
35	On walls	m2	90	-
35	On narrow widths	m2	20	-
<b>EXTERNAL PLASTER</b>				
<u>Cement plaster steel trowelled on brickwork</u>				
37	On walls	m2	30	-
<u>Cement plaster steel trowelled on concrete</u>				
38	Plaster to roof beam	m2	30	-

<b>SECTION 2 : BUILDING WORKS</b>				
<b>BILL NO. 15 : GLAZING</b>				
<b>PREAMBLES</b>				
The Tenderer is referred to the relevant Clauses in the separate documents General Specification (PW 371-A) July 2013 and Particular Specification (PW 371B) July 2013.				
<b>SUPPLEMENTARY PREAMBLES</b>				
<b>Float glass</b>				
The term "float glass" is used for monolithic glass				
<b>BLOCK 1 (5 x CLASSROOMS)</b>				
<b>GLAZING TO STEEL WITH PUTTY</b>				
<b>4mm clear float glass</b>				
1	4mm panes exceeding 0.1m <sup>2</sup> and not exceeding 1.0m <sup>2</sup>	m <sup>2</sup>	30	-
<b>BLOCK 2 (STAFFROOM and SCHOOL HALL)</b>				
<b>GLAZING TO STEEL WITH PUTTY</b>				
<b>4mm clear float glass</b>				
2	4mm panes exceeding 0.1m <sup>2</sup> and not exceeding 1.0m <sup>2</sup>	m <sup>2</sup>	15	-
<b>NEW BLOCK 3 (3 x Classrooms)</b>				
<b>GLAZING TO STEEL WITH PUTTY</b>				
<b>4mm clear float glass</b>				
3	4mm panes exceeding 0.1m <sup>2</sup> and not exceeding 1.0m <sup>2</sup>	m <sup>2</sup>	15	-
<b>NEW BLOCK 4 (3 x Classroom + Admin Offices)</b>				
<b>GLAZING TO STEEL WITH PUTTY</b>				
<b>4mm clear float glass</b>				
4	4mm panes exceeding 0.1m <sup>2</sup> and not exceeding 1.0m <sup>2</sup>	m <sup>2</sup>	25	-
<b>BLOCK 5 (STAFF ACCOMODATION)</b>				
<b>GLAZING TO STEEL WITH PUTTY</b>				
<b>4mm clear float glass</b>				
5	4mm panes exceeding 0.1m <sup>2</sup> and not exceeding 1.0m <sup>2</sup>	m <sup>2</sup>	5	-
<b>NEW BLOCK 6 (NEW BOYS ABLUTION)</b>				
<b>GLAZING TO STEEL WITH PUTTY</b>				
<b>4mm clear float glass</b>				
6	4mm panes exceeding 0.1m <sup>2</sup> and not exceeding 1.0m <sup>2</sup>	m <sup>2</sup>	3	-
<b>MIRRORS</b>				
<b>Silvered floated glass copper backed mirrors with polished edges, fixed to wall with double sided adhesive tape and silicone</b>				
7	Mirror 450 x 600mm high	No	1	-

<b><u>NEW BLOCK 7 (NEW GIRLS ABLUTION)</u></b>				
<b>GLAZING TO STEEL WITH PUTTY</b>				
<b>4mm clear float glass</b>				
8	4mm panes exceeding 0.1m <sup>2</sup> and not exceeding 1.0m <sup>2</sup>	m <sup>2</sup>	5	-
<b>MIRRORS</b>				
<b>Silvered floated glass copper backed mirrors with polished edges, fixed to wall with double sided adhesive tape and silicone</b>				
9	Mirror 450 x 600mm high	No	1	-
<b><u>NEW BLOCK 8 (NEW EDUCATORS ABLUTION)</u></b>				
<b>GLAZING TO STEEL WITH PUTTY</b>				
<b>4mm clear float glass</b>				
10	4mm panes exceeding 0.1m <sup>2</sup> and not exceeding 1.0m <sup>2</sup>	m <sup>2</sup>	5	-
<b>MIRRORS</b>				
<b>Silvered floated glass copper backed mirrors with polished edges, fixed to wall with double sided adhesive tape and silicone</b>				
11	Mirror 450 x 600mm high	No	1	-
<b><u>SECTION 2 : BUILDING WORKS</u></b>				
<b><u>BILL NO. 16 : PAINTWORK</u></b>				
<b>PREAMBLES</b>				
The Tenderer is referred to the relevant Clauses in the separate documents General Specification (PW 371-A) July 2013 and Particular Specification (PW 371B) July 2013.				
<b>SUPPLEMENTARY PREAMBLES</b>				
<b>PAINT SPECIFICATIONS</b>				
All painting shall be done in accordance with Architect specifications unless otherwise described				
<b>COLOURS</b>				
Unless otherwise described all paintwork shall be deemed to have colour value in excess of 7 on the Munsell system in accordance with SANS 1091				
<b><u>BLOCK 1 (5 x CLASSROOMS)</u></b>				
<b>ON INTERNAL FLOATED PLASTER SURFACES</b>				
<u>One coat alkali resistant primer and two coats superior quality acrylic emulsion paint for internal and external use</u>				
1	Walls	m2	430	-
<b>ON EXTERNAL FLOATED PLASTER SURFACES</b>				
<u>One coat alkali resistant primer and two coats superior quality acrylic emulsion paint for internal and external use</u>				
2	Walls and beams	m2	45	-
<b>ON SMOOTH CONCRETE SURFACES</b>				

<u>One coat alkali resistant primer and two coats superior quality acrylic emulsion paint for internal and external use</u>					
3	Slab	m2	10		-
<b>ON FIBRE-CEMENT SURFACES</b>					
<u>One coat alkali resistant primer and two coats superior quality acrylic emulsion paint for interior and exterior use</u>					
4	Fascia and barge boards not exceeding 300mm girth, including priming metal jointing strips	m2	30		-
5	Ceilings and cornices	m2	385		-
<b>ON METAL SURFACES</b>					
<u>One coat metal primer and two coats Plascon Velvetro, on steel</u>					
6	Door frames	m2	17		-
7	Gates	m2	15		-
<b>ON WOOD SURFACES</b>					
<u>One coat primer and two coats premium quality polyurethane enamel paint</u>					
8	External door	m2	20		-
<b><u>BLOCK 2 (STAFFROOM and SCHOOL HALL)</u></b>					
<b>ON INTERNAL FLOATED PLASTER SURFACES</b>					
<u>One coat alkali resistant primer and two coats superior quality acrylic emulsion paint for internal and external use</u>					
9	Walls	m2	215		-
<b>ON EXTERNAL FLOATED PLASTER SURFACES</b>					
<u>One coat alkali resistant primer and two coats superior quality acrylic emulsion paint for internal and external use</u>					
10	Walls and beams	m2	45		-
<b>ON FIBRE-CEMENT SURFACES</b>					
<u>One coat alkali resistant primer and two coats superior quality acrylic emulsion paint for interior and exterior use</u>					
11	Fascia and barge boards not exceeding 300mm girth, including priming metal jointing strips	m2	22		-
12	Ceilings and cornices	m2	170		-
<b>ON METAL SURFACES</b>					
<u>One coat metal primer and two coats Plascon Velvetro, on steel</u>					
13	Door frames	m2	9		-
14	Gates	m2	5		-
<b>ON WOOD SURFACES</b>					
<u>One coat primer and two coats premium quality polyurethane enamel paint</u>					
15	External door	m2	15		-



<b><u>NEW BLOCK 3 (3 x Classrooms)</u></b>					
<b>ON INTERNAL FLOATED PLASTER SURFACES</b>					
<u>One coat alkali resistant primer and two coats superior quality acrylic emulsion paint for internal and external use</u>					
16	Walls	m2	552		-
<b>ON EXTERNAL FLOATED PLASTER SURFACES</b>					
<u>One coat alkali resistant primer and two coats superior quality acrylic emulsion paint for internal and external use</u>					
17	Walls and beams	m2	65		-
<b>ON FIBRE-CEMENT SURFACES</b>					
<u>One coat alkali resistant primer and two coats superior quality acrylic emulsion paint for interior and exterior use</u>					
18	Fascia and barge boards not exceeding 300mm girth, including priming metal jointing strips	m2	28		-
19	Ceilings and cornices	m2	87		-
<b>ON METAL SURFACES</b>					
<u>One coat metal primer and two coats Plascon Velvetro, on steel</u>					
20	Door frames	m2	10		-
<b>ON WOOD SURFACES</b>					
<u>One coat primer and two coats premium quality polyurethane enamel paint</u>					
21	External door	m2	15		-
<b><u>NEW BLOCK 4 (3 x Classroom + Admin Offices)</u></b>					
<b>ON INTERNAL FLOATED PLASTER SURFACES</b>					
<u>One coat alkali resistant primer and two coats superior quality acrylic emulsion paint for internal and external use</u>					
22	Walls	m2	1860		-
<b>ON EXTERNAL FLOATED PLASTER SURFACES</b>					
<u>One coat alkali resistant primer and two coats superior quality acrylic emulsion paint for internal and external use</u>					
23	Walls and beams	m2	55		-
<b>ON SMOOTH CONCRETE SURFACES</b>					
<b>ON FIBRE-CEMENT SURFACES</b>					
<u>One coat alkali resistant primer and two coats superior quality acrylic emulsion paint for interior and exterior use</u>					
24	Fascia and barge boards not exceeding 300mm girth, including priming metal jointing strips	m2	27		-
25	Ceilings and cornices	m2	390		-
<b>ON METAL SURFACES</b>					
<u>One coat metal primer and two coats Plascon Velvetro, on steel</u>					
26	Door frames	m2	30		-

27	Gates	m2	15	-
	<b>ON WOOD SURFACES</b>			
	<u>One coat primer and two coats premium quality polyurethane enamel paint</u>			
28	External door	m2	15	-
	Internal door	m2	15	-
	<b>BLOCK 5 (STAFF ACCOMODATION)</b>			
	<b>ON INTERNAL FLOATED PLASTER SURFACES</b>			
	<u>One coat alkali resistant primer and two coats superior quality acrylic emulsion paint for internal and external use</u>			
29	Walls	m2	168	-
	<b>ON EXTERNAL FLOATED PLASTER SURFACES</b>			
	<u>One coat alkali resistant primer and two coats superior quality acrylic emulsion paint for internal and external use</u>			
30	Walls and beams	m2	25	-
	<b>ON FIBRE-CEMENT SURFACES</b>			
	<u>One coat alkali resistant primer and two coats superior quality acrylic emulsion paint for interior and exterior use</u>			
31	Fascia and barge boards not exceeding 300mm girth, including priming metal jointing strips	m2	10	-
32	Ceilings and cornices	m2	70	-
	<b>ON METAL SURFACES</b>			
	<u>One coat metal primer and two coats Plascon Velvegro, on steel</u>			
33	Door frames	m2	6	-
	<b>ON WOOD SURFACES</b>			
	<u>One coat primer and two coats premium quality polyurethane enamel paint</u>			
34	External door	m2	25	-
	<b>NEW BLOCK 6 (NEW BOYS ABLUTION)</b>			
	<b>ON INTERNAL FLOATED PLASTER SURFACES</b>			
	<u>One coat alkali resistant primer and two coats superior quality acrylic emulsion paint for internal and external use</u>			
35	Walls	m2	90	-
	<b>ON EXTERNAL FLOATED PLASTER SURFACES</b>			
	<u>One coat alkali resistant primer and two coats superior quality acrylic emulsion paint for internal and external use</u>			
36	Walls and beams	m2	25	-
	<b>ON FIBRE-CEMENT SURFACES</b>			
	<u>One coat alkali resistant primer and two coats superior quality acrylic emulsion paint for interior and exterior use</u>			

37	Fascia and barge boards not exceeding 300mm girth, including priming metal jointing strips	m2	10	-
38	Ceilings and cornices	m2	25	-
	<b>ON METAL SURFACES</b> <u>One coat metal primer and two coats Plascon Velvetro, on steel</u>			
39	Door frames	m2	5	-
	<b>ON WOOD SURFACES</b> <u>One coat primer and two coats premium quality polyurethane enamel paint</u>			
40	External door	m2	13	-
	<b>NEW BLOCK 7 (NEW GIRLS ABLUTION)</b> <b>ON INTERNAL FLOATED PLASTER SURFACES</b> <u>One coat alkali resistant primer and two coats superior quality acrylic emulsion paint for internal and external use</u>			
42	Walls	m2	110	-
	<b>ON EXTERNAL FLOATED PLASTER SURFACES</b> <u>One coat alkali resistant primer and two coats superior quality acrylic emulsion paint for internal and external use</u>			
42	Walls and beams	m2	45	-
	<b>ON FIBRE-CEMENT SURFACES</b> <u>One coat alkali resistant primer and two coats superior quality acrylic emulsion paint for interior and exterior use</u>			
43	Fascia and barge boards not exceeding 300mm girth, including priming metal jointing strips	m2	10	-
44	Ceilings and cornices	m2	26	-
	<b>ON METAL SURFACES</b> <u>One coat metal primer and two coats Plascon Velvetro, on steel</u>			
45	Door frames	m2	5	-
	<b>ON WOOD SURFACES</b> <u>One coat primer and two coats premium quality polyurethane enamel paint</u>			
46	External door	m2	13	-
	<b>NEW BLOCK 8 (NEW EDUCATORS ABLUTION)</b> <b>ON INTERNAL FLOATED PLASTER SURFACES</b> <u>One coat alkali resistant primer and two coats superior quality acrylic emulsion paint for internal and external use</u>			
47	Walls	m2	95	-
	<b>ON EXTERNAL FLOATED PLASTER SURFACES</b> <u>One coat alkali resistant primer and two coats superior quality acrylic emulsion paint for internal and external use</u>			
48	Walls and beams	m2	45	-
	<b>ON FIBRE-CEMENT SURFACES</b>			

<u>One coat alkali resistant primer and two coats superior quality acrylic emulsion paint for interior and exterior use</u>				
49	Fascia and barge boards not exceeding 300mm girth, including priming metal jointing strips	m2	75	-
50	Ceilings and cornices	m2	40	-
<b>ON METAL SURFACES</b>				
<u>One coat metal primer and two coats Plascon Velvetro, on steel</u>				
51	Door frames	m2	5	-
<b>ON WOOD SURFACES</b>				
<u>One coat primer and two coats premium quality polyurethane enamel paint</u>				
52	External door	m2	13	-
<b><u>SECTION 3 : EXTERNAL WORKS</u></b>				
<b><u>BILL NO. 1 : DECANTING AND DEMOLITION</u></b>				
<b>PREAMBLES</b>				
The Tenderer is referred to the relevant Clauses in the separate documents General Specification (PW 371-A) July 2013 and Particular Specification (PW 371B) July 2013.				
<b><u>DECANTING</u></b>				
1	Monthly Rental of x 3 (7m x 7m) Classrooms	Month	10	-
2	Establishment Costs	No	1	-
3	Siting and Joining of Units	No	3	-
4	Siting dismantling of Units	No	3	-
5	De-establishment Costs	No	1	-
6	Monthly Rental of x 1 (3m x 12m) Offices / Admin Blocks	Month	10	-
7	Establishment Costs	No	1	-
8	De-establishment Costs	No	1	-
9	Monthly Rental: 3m x 6m Six Toilets ( Male & Female )	Month	10	-
10	Establishment Costs	No	1	-
11	De-establishment Costs	No	1	-
20	Temporary Hoarding	m	142	-
<b><u>SECTION 4 : PROVISIONAL SUMS</u></b>				
<b><u>BILL NO. 1 : PROVISIONAL SUMS</u></b>				
<b>PREAMBLES</b>				
The Tender is referred to the relevant Clauses in the separate documents General Specification (PW 371-A) July 2013 and Particular Specification (PW 371B) July 2013				
<b>SUPPLEMENTARY PREAMBLES</b>				
<u>General</u>				

		Quantity	Rate	Amount R
CPG Bill of Quantities:				
<p><b>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.</b></p>				
<b>MINIMUM TARGETED LOCAL BUILDING MATERIAL MANUFACTURERS</b>				
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	R28 149,28	R28 149,28
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.	%			
<b>MINIMUM TARGETED LOCAL BUILDING MATERIAL SUPPLIERS</b>				
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	R28 149,28	R28 149,28
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	
<b>Carried Forward to Summary of Section No.</b>				
Provisional Sums				

Item No			Quantity	Rate	Amount R
	<b>MINIMUM TARGETED ENTERPRISE DEVELOPMENT</b>				
	A provisional amount has been allowed for in the execution of this project as described in C3.1 Project Specifications. The provisional amount allowed is for the appointment of training coordinator, mentor, training service providers and training of the beneficiary enterprises including monitoring and monthly reporting.	PS	1	R281 492,78	R281 492,78
	Allowance for profit all inclusive of associated costs to the contractor for implementation.	%			
	Allowance for attendance all inclusive of associated costs to the contractor for implementation.	%			
	<b>LABOUR INTENSIVE PARTICIPATION GOAL</b>				
	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.				
	<b>Carried to Collection</b>			R	
	Provisional Sums				

<p>All prime cost amount and provisional sum allowances are net and will be adjusted in accordance with the relevant building agreement and deducted in whole or in part if not required without any compensation for loss of profit on the said allowances. Prime cost amounts shall include for delivery to site of all articles concerned</p> <p><u>Profit and general attendance upon selected subcontract works</u></p> <p>The item "Allow for profit and general attendance" which follows each selected subcontract works, shall be deemed to allow for the contractor's profit if required and to cover all the contractor's costs incurred in providing free of charge to the selected subcontract works the duties of the contractor as described in clause 12.2 of the JBCC N/S Subcontract Agreement inclusive of the amendments thereto contained in the "Preliminaries"</p> <p><b>PROVISIONAL SUMS</b></p> <p><u>Community Liaison Officer</u></p>				
4	Allow for Community Liaison Officer Remuneration	Months	10	-
5	Allow for profit	%	5%	-
6	Allow for general attendance	%	5%	-
1	SECTION 1: PRELIMINARY & GENERAL			-
2	SECTION 2: BUILDING WORKS			-
3	SECTION 3 : EXTERNAL WORKS			-
5	SECTION 4 : PROVISIONAL SUMS			-
	<b>Sub Total 1</b>			-
	Contingency Amount	%	5%	-
	<b>Sub Total 2</b>			-
	Value Added Tax (VAT)	%	15%	-
	<b>TOTAL CARRIED TO TENDER / FORM OF OFFER</b>			-