

**REFURBISHMENT OF CLASSROOM AND ADMINISTRATION BLOCKS
PHATSHEDI PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<u>SECTION 1</u>			
	<u>BILL NO. 1</u>			
	<u>PRELIMINARIES</u>			
	<u>BUILDING AGREEMENT AND PRELIMINARIES</u>			
	<p>The JBCC Series 2000 Principal Building Agreement (March 2005 edition 4.1) prepared by the Joint Building Contracts Committee shall be the applicable building agreement, amended as hereinafter described</p> <p>The JBCC Principal Building Agreement Contract Data EC and the JBCC Principal Building Agreement Contract Data CE form an integral part of this agreement</p> <p>The ASAQS Preliminaries (November 2007 edition) published by the Association of South African Quantity Surveyors for use with the said JBCC Principal Building Agreement shall be deemed to be incorporated in these bills of quantities</p> <p>Contractors are referred to the abovementioned documents for the intent and meaning of each clause thereof</p> <p>These clauses are hereinafter referred to by clause number and heading only. Where standard clauses or alternatives are not entirely applicable to this agreement such modifications, corrections or supplements as will apply are given under each relevant clause heading and such modifications, corrections or supplements shall take precedence notwithstanding anything contrary contained in the abovementioned documents</p> <p>Where any item is not relevant to this specific agreement such item is marked N/A (signifying "not applicable")</p>			
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	<p style="text-align: right;">Brought Forward</p> <p><u>PREAMBLES FOR TRADES</u></p> <p>The Model Preambles for Trades (2008 edition) as published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these bills of quantities and no claims arising from brevity of description of items fully described in the said Model Preambles will be entertained</p> <p>Supplementary preambles are incorporated in these bills of quantities to satisfy the requirements of this project. Such supplementary preambles shall take precedence over the provisions of the said Model Preambles</p> <p>The contractor's prices for all items throughout these bills of quantities must take account of and include for all of the obligations, requirements and specifications given in the said Model Preambles and in any supplementary preambles</p> <p><u>PRICING OF PRELIMINARIES</u></p> <p>Should the contractor select Option A in terms of subclause 3.2.1 in the Contract Data - Contractor to Employer (CE) for the purpose of adjustment of these preliminaries, the amount entered into the amount column in these preliminaries is to be divided into one or more of the three categories provided namely Fixed (F), Value Related (V) and Time Related (T)</p> <p><u>SECTION A: PRINCIPAL BUILDING AGREEMENT</u></p> <p><u>Definitions (A1)</u></p> <p>1 Clause 1.0 - Definitions and interpretation</p> <p>The measuring system used for the preparation of the bills of quantities is the Standard System of Measuring Building Work (sixth edition, revised 1999) published by the Association of South African Quantity Surveyors [1.1]</p> <p>F:..... V:..... T:.....</p> <p style="text-align: right;">Carried Forward</p> <p>Section No. 1 Bill No. 1 Preliminaries</p>		<p style="text-align: right;">R</p>	
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<u>Objective and preparation (A2 - A14)</u>			
2	<p>Clause 2.0 - Offer acceptance and performance obligations</p> <p>F:..... V:..... T:.....</p>	Item	
3	<p>Clause 3.0 - Documents</p> <p>Provision is made in the summary page of these bills of quantities for the inclusion of Value Added Tax (VAT) [3.5]</p> <p>The principal agent shall decide which portion of the priced document may be used as a specification of materials and goods or methods, if any [3.9]</p> <p>F:..... V:..... T:.....</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	
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7	<p>Clause 7.0 - Compliance with laws and regulations</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 aforementioned health and safety specification [7.1]</p> <p>F:..... V:..... T:.....</p>	Item	
8	<p>Clause 8.0 - Works risk</p> <p>F:..... V:..... T:.....</p>	Item	
9	<p>Clause 9.0 - Indemnities</p> <p>F:..... V:..... T:.....</p>	Item	
10	<p>Clause 10.0 - General insurances</p> <p>F:..... V:..... T:.....</p>	Item	
11	<p>Clause 11.0 - Special insurances</p> <p>F:..... V:..... T:.....</p>	Item	
12	<p>Clause 12.0 - Effecting insurances</p> <p>F:..... V:..... T:.....</p>	Item	
13	<p>Clause 13.0 - Assignment</p> <p>F:..... V:..... T:.....</p>	Item	
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14	<p>Clause 14.0 - Security</p> <p>F:..... V:..... T:.....</p> <p><u>Execution (A15 - A23)</u></p>	Item		
15	<p>Clause 15.0 - Preparation for and execution of the works</p> <p>F:..... V:..... T:.....</p>	Item		
16	<p>Clause 16.0 - Site and access</p> <p>Certain areas will be occupied during the construction period and the contractor must execute the works with as little noise and disturbance as possible to the occupants. [16.6]</p> <p>F:..... V:..... T:.....</p>	Item		
17	<p>Clause 17.0 - Contract instructions</p> <p>F:..... V:..... T:.....</p>	Item		
18	<p>Clause 18.0 -Setting out of the works</p> <p>The contractor shall notify the principal agent if any encroachment 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 [18.1]</p> <p>F:..... V:..... T:.....</p>	Item		
19	<p>Clause 19.0 - Temporary works and plant</p> <p>Clause 19.1.1 - Enclosure of the works</p> <p>F:..... V:..... T:.....</p>	Item		
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20	<p>Clause 19.1.2 - Office accommodation - provide suitable office accommodation for site meetings with tables and chairs for ten people</p> <p>F:..... V:..... T:.....</p>	Item		
21	<p>Clause 20.0 - Nominated subcontractors</p> <p>Refer to the provisions on general attendance hereinafter</p> <p>F:..... V:..... T:.....</p>	Item		
22	<p>Clause 21.0 - Selected subcontractors</p> <p>General attendance of n/s subcontractors for pricing by the contractor shall be in accordance with the n/s agreement. Notwithstanding this provision, general attendance shall be deemed to include for the contractor to provide free of charge to any n/s subcontractor such scaffolding as may reasonably be required by such n/s subcontractor for the execution of the relevant subcontract work</p> <p>F:..... V:..... T:.....</p>	Item		
23	<p>Clause 22.0 - Employer's direct contractors</p> <p>F:..... V:..... T:.....</p>	Item		
24	<p>Clause 23.0 - Contractor's domestic subcontractors</p> <p>F:..... V:..... T:.....</p> <p><u>Completion (A24 - A30)</u></p>	Item		
25	<p>Clause 24.0 - Practical completion</p> <p>F:..... V:..... T:.....</p>	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 date for practical completion</p> <p>The removal and replacement of materials and/or workmanship which do not conform to the specification or the contract drawings shall not constitute grounds for the extension of the construction period nor for the adjustment of the contract value (Clause 29.3)</p> <p>F:..... V:..... T:.....</p>	Item		
31	<p>Clause 30.0 - Penalty for late or non-completion: 0.05% of the Contract Amount inclusive of Value Added Tax per Calendar day</p> <p>F:..... V:..... T:.....</p> <p><u>Payment (A31 - A35)</u></p>	Item		
32	<p>Clause 31.0 - Interim payment</p> <p>Materials and goods stored off site shall not be included in the amount authorised for payment [31.6.5]</p> <p>F:..... V:..... T:.....</p>	Item		
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33	<p>Clause 32.0 - Adjustment to the contract value - NOT APPLICABLE</p> <p>All fluctuations in costs, with the exception of fluctuations in the rate of Value Added Tax, shall be for the account of the contractor [32.13]</p> <p>Where prices are submitted by the contractor or n/s subcontractor during the progress of the works in respect of contract instructions or in regard to a claim under the terms of the agreement and notwithstanding the fact that such prices may be used in an interim payment certificate there is to be no presumption of acceptance. Should the principal agent wish to accept any such prices prior to the issue of the certificate of final completion, it shall be in writing</p> <p>The contractor shall not receive any mark-up for overheads and profit on any omission of tenant installation work or tenant installation work by others. Claims for loss of profit shall not be entertained [32.2]</p> <p>F:..... V:..... T:.....</p>	N/A	
34	<p>Clause 33.0 - Recovery of expense and loss</p> <p>F:..... V:..... T:.....</p>	Item	
35	<p>Clause 34.0 - Final account and final payment</p> <p>F:..... V:..... T:.....</p>	Item	
36	<p>Clause 35.0 - Payment to other parties</p> <p>F:..... V:..... T:.....</p> <p><u>Termination (A36 - A39)</u></p>	Item	
37	<p>Clause 36.0 - Termination by employer - contractor's default</p> <p>F:..... V:..... T:.....</p>	Item	
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38	<p>Clause 37.0 - Termination by employer - loss and damage</p> <p>F:..... V:..... T:.....</p>	Item		
39	<p>Clause 38.0 - Termination by contractor - employer's default</p> <p>F:..... V:..... T:.....</p>	Item		
40	<p>Clause 39.0 - Termination - cessation of the works</p> <p>F:..... V:..... T:.....</p> <p><u>Dispute (A40)</u></p>	Item		
41	<p>Clause 40.0 - Settlement of disputes</p> <p>F:..... V:..... T:.....</p> <p><u>Contract variables (A41 - A42)</u></p>	Item		
42	<p>Clause 41.0 - Post tender provisions</p> <p>The contractor is to complete and submit with his tender the JBCC Principal Building Agreement Contract Data CE</p> <p>F:..... V:..... T:.....</p>	Item		
43	<p>Clause 42.0 - Contractual agreement</p> <p>The required information of the parties and the amount of the contract sum shall be inserted in the agreement for signature of the agreement by the parties</p> <p>F:..... V:..... T:.....</p> <p><u>SECTION B: ASAQS (NOVEMBER 2007 EDITION) PRELIMINARIES</u></p>	Item		
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	<u>Definitions and interpretation (B1)</u>			
44	Clause 1.0 - Definitions and interpretation F:..... V:..... T:.....	Item		
	<u>Documents (B2)</u>			
45	Clause 2.1 - Checking of documents F:..... V:..... T:.....	Item		
46	Clause 2.2 - Provisional bills of quantities F:..... V:..... T:.....	Item		
47	Clause 2.3 - Availability of construction documentation The budgetary allowances and selected subcontract amounts allocated for subsequent trades included in this agreement will be separately procured, based on multiple procurement of selected subcontractors during the construction period F:..... V:..... T:.....	Item		
	<u>Previous work and adjoining properties (B3)</u>			
48	Clause 3.1 - Previous work - dimensional accuracy F:..... V:..... T:.....	Item		
49	Clause 3.2 - Previous work - defects F:..... V:..... T:.....	Item		
50	Clause 3.3 - Inspection of adjoining properties F:..... V:..... T:.....	Item		
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	<u>Samples, shop drawings and manufacturer's instructions (B4)</u>			
51	Clause 4.1 - Samples of materials F:..... V:..... T:.....	Item		
52	Clause 4.2 - Workmanship samples F:..... V:..... T:.....	Item		
53	Clause 4.3 - Shop drawings F:..... V:..... T:.....	Item		
54	Clause 4.4 - Compliance with manufacturer's instructions F:..... V:..... T:.....	Item		
	<u>Deposits and fees (B5)</u>			
55	Clause 5.1 - Deposits and fees F:..... V:..... T:.....	Item		
	<u>Temporary services (B6)</u>			
56	Clause 6.1 - Water F:..... V:..... T:.....	Item		
57	Clause 6.2 - Electricity F:..... V:..... T:.....	Item		
58	Clause 6.3 - Telecommunication facilities F:..... V:..... T:.....	Item		
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59	<p>Clause 6.4 - Ablution facilities</p> <p>F:..... V:..... T:.....</p> <p><u>Prime cost amounts (B7)</u></p>	Item
60	<p>Clause 7.1 - Responsibility for prime cost amounts</p> <p>F:..... V:..... T:.....</p> <p><u>Special attendance on n/s subcontractors (B8)</u></p>	Item
61	<p>Clause 8.1 - Special attendance</p> <p>F:..... V:..... T:.....</p> <p><u>General (B9)</u></p>	Item
62	<p>Clause 9.1 - Protection of the works</p> <p>F:..... V:..... T:.....</p>	Item
63	<p>Clause 9.2 - Protection/isolation of existing/ occupied works</p> <p>Certain areas of the site will be occupied during the construction period No</p> <p>F:..... V:..... T:.....</p>	Item
64	<p>Clause 9.3 - Security of the works</p> <p>F:..... V:..... T:.....</p>	Item
65	<p>Clause 9.4 - Notice before covering work</p> <p>F:..... V:..... T:.....</p>	Item
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66	Clause 9.5 - Disturbance F:..... V:..... T:.....	Item
67	Clause 9.6 - Environmental disturbance F:..... V:..... T:.....	Item
68	Clause 9.7 - Works cleaning and clearing F:..... V:..... T:.....	Item
69	Clause 9.8 - Vermin F:..... V:..... T:.....	Item
70	Caluse 9.9 - Overhand work F:..... V:..... T:.....	Item
Schedule of variables (B10) Information necessary for elections and completion of those clauses contained in the schedule which are necessary for tender purposes is given hereunder. Where no information is given it shall mean that no specific requirements are expected or that the clause is not relevant to this specific contract 10.1 - Provisional bills of quantities [2.2] The quantities are provisional No 10.2 - Availability of construction documentation [2.3] Construction documentation is complete Yes 10.3 - Previous work - dimensional accuracy [3.1] 10.4 - Previous work - defects [3.2] 10.5 - Inspection of adjoining properties [3.3]		
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10.6 - Water [7.2]			
Option A (by contractor)	Yes		
Option B (by employer - free of charge)	No		
Option C (by employer - metered)	No		
10.7 - Electricity [7.3]			
Option A (by contractor)			
Yes			
Option B (by employer - free of charge)			
No			
Option C (by employer - metered)			
No			
10.8 - Telecommunications [7.4]			
Telephone			
Yes			
Facsimile			
Yes			
E-mail			
Yes			
10.9 - Ablution facilities [7.5]			
Option A (by contractor)			
Yes			
Option B (by employer)			
No			
10.10 - Protection of the works [9.1]			
10.11 - Protection/isolation of existing/sectionally occupied works [9.2]			
Protection/isolation is required	No		
10.12 - Disturbance [9.5]			
10.13 - Environmental disturbance [9.6]			

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	<u>SECTION C: SPECIFIC PRELIMINARIES</u>			
	Any special items to meet the particular circumstances of a specific project are embodied in this section. Where required for an aspect of the works to be executed according to a design by a consulting engineer, a recital of the headings to the individual clauses of the JBCC Engineering General Conditions are included			
71	Black economic empowerment and training F:..... V:..... T:.....	Item		
72	Proprietary branded products F:..... V:..... T:.....	Item		
	The contractor shall take delivery of, handle, store, use, apply and/or fix all proprietary branded products in strict accordance with the manufacturers' instructions after consultation with the manufacturer's authorised representative			
73	Contract instructions F:..... V:..... T:.....	Item		
	Contract instructions issued on site are to be recorded in triplicate in a contract instruction book which is to be supplied and maintained on site by the contractor			
74	Labour record F:..... V:..... T:.....	Item		
	At the end of each week the contractor shall provide the principal agent with a written record, in schedule form, reflecting the number and descriptions of tradesmen and labourers employed by him and all subcontractors on the works each day of that week			
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75	<p>Plant record</p> <p>F:..... V:..... T:.....</p> <p>At the end of each week the contractor shall provide the principal agent with a written record, in schedule form, reflecting the number, type and capacity of all plant, excluding hand tools used on the works each day of that week</p>	Item		
76	<p>Guarantees</p> <p>F:..... V:..... T:.....</p> <p>Where guarantees are called for, the contractor shall obtain a written guarantee, addressed to the employer, from the firm supplying the materials and/or doing the work and shall deliver same to the principal agent on the certified completion of the contract. The guarantee shall state that workmanship, materials and installation are guaranteed for a specified period from the date of certified completion of the contract, and that any defects that may arise during the specified period shall be made good at the expense of the firm supplying the materials and/or doing the work, upon written notice from the principal agent to do so. This guarantee will not be enforced if the work is damaged by defects in the construction of the building in which case the responsibility for replacement shall rest entirely with the contractor. The principal agent shall be the sole judge of the cause responsible for defects in the work and his decision shall be final and binding in terms of clause 40.2 of the agreement</p>	Item		
77	<p>Overtime</p> <p>F:..... V:..... T:.....</p> <p>Should overtime be required to be worked for any reason whatsoever, the costs of such overtime are to be borne by the contractor unless the principal agent has specifically authorised, in writing, prior to execution thereof, that costs for such overtime are to be borne by the employer</p>	Item		
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78	<p>Co-operation of contractor for cost management</p> <p>F:..... V:..... T:.....</p> <p>It is specifically agreed that the contractor accepts the obligation of assisting the professional consultants in implementing proper cost management. The contractor will be advised by the principal agent of all cost management procedures which will be implemented to ensure that the final building cost does not exceed the budget. The quantity surveyor undertakes to make available to the contractor all budgetary allowances and cost assessments/reports to enable the proper procedures to be implemented and the contractor will attend all cost plan review and cost management meetings. The contractor undertakes to extend these procedures in regard to all subcontractors</p>	Item		
79	<p>Occupational Health and Safety Specification</p> <p>F:..... V:..... T:.....</p>	Item		
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	<p>The contractor shall comply with all the requirements set out in the Construction Regulations 2003 issued under the Occupational Health and Safety Act, 1993 (Act No 85 of 1993).</p> <p>It is required of the contractor to thoroughly study the Health and Safety Specification that must be read together with and is deemed to be incorporated under this Section of the bills of quantities / lump sum document.</p> <p>The contractor must take note that compliance with the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is compulsory. In the event of partial or total non-compliance, the principal agent, notwithstanding the provisions of clause A31.0 of Section A or any other clause to the contrary, reserves the right to delay issuing any progress payment certificate until the contractor provides satisfactory proof of compliance. The contractor shall not be entitled to any compensation of whatsoever nature, including extension of time or interest, due to such delay of payment.</p> <p>Provisions for pricing of the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is made under this clause and it is explicitly pointed out that all requirements of the aforementioned are deemed to be priced hereunder and no additional claims in this regard shall be entertained.</p>			
80	<p>Allow for the compulsory equipment and clothing, ie hats, safety shoes, safety clothing, safety glasses, safety masks, harnesses, etc</p> <p>F:..... V:..... T:.....</p>	Item		
81	<p>Allow for all compulsory health and safety posters, boards, etc</p> <p>F:..... V:..... T:.....</p>	Item		
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82	<p>Allow for all compulsory health and safety workshops, meetings, lectures, demonstrations, etc</p> <p>F:..... V:..... T:.....</p>	Item		
83	<p>Allow for all compulsory health and safety pamphlets, cards, paperwork, etc to each worker, consultant, public individual, etc coming onto the site</p> <p>F:..... V:..... T:.....</p>	Item		
84	<p>Allow for compulsory health and safety files that must be completed daily and must be handed to the employer on completion of the contract</p> <p>F:..... V:..... T:.....</p>	Item		
85	<p>Scope of Application as per Act No 85 of 1993</p> <p>F:..... V:..... T:.....</p>	Item		
86	<p>Notification of Construction Work as per Act No 85 of 1993</p> <p>F:..... V:..... T:.....</p>	Item		
87	<p>Employer's responsibilities as per Act No 85 of 1993</p> <p>F:..... V:..... T:.....</p>	Item		
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88	Principal Contractor's responsibility as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
89	Supervision of construction work as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
90	Risk assessment as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
91	Fall protection as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
92	Structures Formwork and Support as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
93	Excavation as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
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94	Demolotion work as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
95	Tunnelling as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
96	Scaffolding as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
97	Suspended platforms as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
98	Botswains chairs as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
99	Materials hoists as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
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100	Batch plant as per Act No 85 of 1993 F:..... V:..... T:.....				
		Item			
101	Explosive powered tools as per Act No 85 of 1993 F:..... V:..... T:.....				
		Item			
102	Cranes as per Act No 85 of 1993 F:..... V:..... T:.....				
		Item			
103	Construction vehicles and mobile plant as per Act No 85 of 1993 F:..... V:..... T:.....				
		Item			
104	Electrical installations and machinery on construction sites as per Act No 85 of 1993 F:..... V:..... T:.....				
		Item			
105	Use and temporary storage of flammable liquids on construction sites as per Act No 85 of 1993 F:..... V:..... T:.....				
		Item			
	Carried Forward			R	
	Section No. 1 Bill No. 1 Preliminaries				

**REFURBISHMENT OF CLASSROOM AND ADMINISTRATION BLOCKS
PHATSHEDI PRIMARY SCHOOL**

	Brought Forward		R	
106	Water environments as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
107	Housekeeping on construction sites as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
108	Stacking and storage on construction sites as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
109	Fire precautions as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
110	Construction welfare as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
111	Approved inspection Authorities as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
	Carried Forward		R	
	Section No. 1 Bill No. 1 Preliminaries			

**REFURBISHMENT OF CLASSROOM AND ADMINISTRATION BLOCKS
PHATSHEDI PRIMARY SCHOOL**

	Brought Forward		R	
112	Offences and penalties as per Act No 85 of 1993 F:..... V:..... T:.....			
		Item		
113	Repeal of regulations as per Act No 85 of 1993 F:..... V:..... T:.....			
		Item		
114	Short title as per Act No 85 of 1993 F:..... V:..... T:.....			
		Item		
115	Obligatory Sub-contracting and Training F:..... V:..... T:.....			
		Item		
116	C11.1 Local and targeted labour F:..... V:..... T:.....			
		Item		
117	Allow for regular submission of proof of employment of local skilled and unskilled labour to Employer's representative F:..... V:..... T:.....			
		Item		
	Carried Forward		R	
	Section No. 1 Bill No. 1 Preliminaries			

**REFURBISHMENT OF CLASSROOM AND ADMINISTRATION BLOCKS
PHATSHEDI PRIMARY SCHOOL**

	Brought Forward		R
118	<p>Training allowance paid to targeted labour in respect of formal training.</p> <p>F:..... V:..... T:.....</p>	Item	
119	<p>Extra over for the administration of payment of training allowances to targeted labour</p> <p>F:..... V:..... T:.....</p>	Item	
120	<p>Transport and accommodation of workers for training where it is not possible to undertake the training in close proximity to the site</p> <p>F:..... V:..... T:.....</p>	Item	
121	<p>C12: Contract drawings</p> <p>F:..... V:..... T:.....</p> <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>	Item	
122	<p>C13: General preambles</p> <p>F:..... V:..... T:.....</p>	Item	
	Carried Forward		R
	<p>Section No. 1 Bill No. 1 Preliminaries</p>		

**REFURBISHMENT OF CLASSROOM AND ADMINISTRATION BLOCKS
PHATSHEDI PRIMARY SCHOOL**

	Brought Forward		R	
123	<p>C14: Trade names</p> <p>F:..... V:..... T:.....</p> <p>Wherever a trade name form any product has been described in the bills of quantities / lump sum document, the tenderer's attention is drawn to the fact that any other product of equal quality may be used subject to the written approval of the principal agent being obtained prior to the closing date for submission of tenders</p> <p>If prior written approval for an alternative product is not obtained, the product described shall be deemed to have been tendered for</p>	Item		
124	<p>C16: SANS 1921-6: HIV/AIDS Awareness read in conjunction with the Associated Specification Data</p> <p>F:..... V:..... T:.....</p>	Item		
125	<p>General requirements (Clause 4.1)</p> <p>F:..... V:..... T:.....</p>	Item		
126	<p>HIV/AIDS awareness programme (Clause 4.2)</p> <p>F:..... V:..... T:.....</p>	Item		
127	<p>Reporting (Clause 4.3)</p> <p>F:..... V:..... T:.....</p>	Item		
	Carried Forward		R	
	<p>Section No. 1 Bill No. 1 Preliminaries</p>			

REFURBISHMENT OF CLASSROOM AND ADMINISTRATION BLOCKS PHATSHEDI PRIMARY SCHOOL

Brought Forward

R

SUMMARY OF CATEGORIES

Category : Fixed R.....

Category : Value R.....

Category : Time R.....

Carried to Final Summary

R

Section No. 1
Bill No. 1
Preliminaries

REFURBISHMENT OF CLASSROOM AND ADMINISTRATION BLOCKS PHATSHEDI PRIMARY SCHOOL

Item No	Quantity	Rate	Amount
<u>SECTION NO.2</u>			
<u>BILL NO. 1</u>			
<u>ALTERATIONS TO EXISTING BUILDINGS (PROVISIONAL)</u>			
Notes:			
1. The Contractor must read each description throughout this bills of quantities in conjunction with and in the context of the obligations, the Model Preambles for Trades (2008 Edition) and any supplementary Preambles to the Model Preambles forming part of these Bills of Quantities			
2. No claims arising from brevity of description of items fully described in the said Model Preambles for Trades or Summplementary Preambles to Model Preambles will be granted			
<u>(CPAP WORK GROUP NO.102) unless otherwise stated</u>			
<u>TEMPORARY BARRIERS, SCREENS, ETC</u>			
<u>Temporary barriers, screens, etc including removal</u>			
1	Allowance for all necessary temporary tarpaulins, barricades, screens, fencing, temporary waterproofing, dust proofing, etc required to isolate any sections of new or existing buildings for the purposes of excluding users of the remainder of the building or any authorised persons all to the satisfaction of the Principal Agent (or as required by the Contractor in terms of the recommended phasing of the works)	Item	
<u>REMOVAL OF EXISTING WORK</u>			
<u>Take down IBR roof sheeting and cart off site:</u>			
2	Carefully remove and take off site damaged IBR roof sheets	m2	440
Carried Forward			R
Section No. 2 Bill No. 1 Alterations			

**REFURBISHMENT OF CLASSROOM AND ADMINISTRATION BLOCKS
PHATSHEDI PRIMARY SCHOOL**

	Brought Forward			R
	<u>Take down and removing doors, windows, etc. including thresholds, cills, etc:</u>			
3	Timber single door and frame exceeding 2.5m2	No	6	
	<u>Taking out and removing piping, sanitary fittings, etc, including cutting off as necessary, disconnecting piping from fittings and making good floor and wall finishes (making good tiling and paintwork elsewhere)</u>			
4	Bib tap	No	10	
	<u>Hacking up/off and removing granolithic, screeds, plaster, from concrete or brickwork and preparing surfaces for new screed, plaster, floor finish, etc</u>			
5	25mm Screed from floors	m2	213	
	<u>Hacking up/off and removing clay tiles from concrete or brickwork and preparing surfaces for new tile finish, etc</u>			
6	Tiles to floors	m2	107	
	<u>MAKING GOOD OF FINISHES, ETC.</u>			
	<u>Making good to plaster:</u>			
7	On walls in patches including hacking off and removing existing plaster	m2	29	
	<u>SERVICING OF WINDOWS, DOORS, PLUMBING ETC.</u>			
	<u>Clean out rebates of existing steel windows and prepare new putty:</u>			
8	Replace putty	m	100	
	<u>Attend to, service, re-align and repair as necessary all steel windows including replacing any defective or missing parts:</u>			
9	Window size 980 x 1200 mm high overall	No	21	
10	Window size 1000 x 1560 mm high overall	No	21	
	Carried Forward			R
	Section No. 2			
	Bill No. 1			
	Alterations			

REFURBISHMENT OF CLASSROOM AND ADMINISTRATION BLOCKS PHATSHEDI PRIMARY SCHOOL

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REFURBISHMENT OF CLASSROOM AND ADMINISTRATION BLOCKS PHATSHEDI PRIMARY SCHOOL

Item No		Quantity	Rate	Amount
<u>SECTION NO.2</u>				
<u>BILL NO. 2</u>				
<u>ROOF COVERINGS ETC (PROVISIONAL)</u>				
<u>(CPAP FORMULA WORK GROUP NO. 124)</u>				
NOTE :				
Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No. 124 for CPAP formula purposes				
<u>PROFILED METAL SHEETING AND ACCESSORIES</u>				
<u>0,58mm "Corrugated" spelter galvanised sheeting with "globalcoat" finish on one side in single lengths fixed to timber purlins and 0,58mm galvanised sheet steel accessories</u>				
1	Roof covering with pitch not exceeding 25 degrees (measured on flat)	m2	440	
2	Plain ridge capping	m	44	
<u>ROOF AND WALL INSULATION</u>				
<u>"Sisalation 420" or equal and approved light duty grade aluminium foil</u>				
3	Insulation laid taut over rafters (at approximately 1 200mm centres) and fixed concurrent with battens, purlins, etc	m2	440	
Carried Forward to Summary of Section No. 2				
Section No. 2				
Bill No. 2				
Roof Coverings, etc				

**REFURBISHMENT OF CLASSROOM AND ADMINISTRATION BLOCKS
PHATSHEDI PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<u>SECTION NO.2</u>			
	<u>BILL NO. 3</u>			
	<u>CARPENTRY AND JOINERY</u> <u>(PROVISIONAL)</u>			
	<u>(CPAP FORMULA WORK GROUP NO. 126)</u>			
	NOTE : Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No.126 for CPAP formula purposes			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Particle board:</u>			
	Particle board shall comply with the following specifications:			
	a) SABS 1300 Particle board: exterior and flooring type			
	b) SABS 1301 Particle board: interior type			
	<u>Joinery:</u>			
	Descriptions of frames shall be deemed to include frames, transoms, mullions, rails, etc			
	Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes			
	<u>Fixing</u>			
	Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete			
	<u>Decorative laminate finish:</u>			
	Laminate finish shall be glued under pressure. Edge strips shall be butt jointed at junctions with adjacent similar finish			
	Carried Forward		R	
	Section No. 2 Bill No. 3 Carpentry and Joinery			

REFURBISHMENT OF CLASSROOM AND ADMINISTRATION BLOCKS PHATSHEDI PRIMARY SCHOOL

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**REFURBISHMENT OF CLASSROOM AND ADMINISTRATION BLOCKS
PHATSHEDI PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<u>SECTION NO.2</u>			
	<u>BILL NO. 4</u>			
	<u>CEILINGS, PARTITIONS AND ACCESS FLOORING (PROVISIONAL)</u>			
	<u>(CPAP FORMULA WORK GROUP NO. 129)</u>			
	NOTE : Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No. 129 for CPAP formula purposes			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Descriptions:</u>			
	Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins or shot pinned to brickwork or concrete			
	Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres, and where described as "bolted" the bolts have been given elsewhere			
	<u>NAILED UP CEILINGS</u>			
	<u>6.4 mm "Rhino" gypsum plasterboard or equal approved ceilings with H-type pressed steel jointing strips</u>			
1	Ceilings nailed to 38 x 38mm sawn softwood brander at 400mm centres generally in both direction at joints and edges of boards	m2	320	
2	Extra over ceiling for 650 x 650mm trap door of 38 x 50mm wrought softwood rebated framing with one 38 x 50mm sawn softwood cross brander covered with ceiling board and fitted flush in opening	No	6	
	<u>"Rhino" or other equal approved gypsum plasterboard cornices</u>			
3	75mm Coved cornices	m	175	
	Carried Forward		R	
	Section No. 2 Bill No. 4 Ceilings, Partitions and Access Flooring			

REFURBISHMENT OF CLASSROOM AND ADMINISTRATION BLOCKS PHATSHEDI PRIMARY SCHOOL

Brought Forward		R
<u>INSULATION</u>		
<u>"Aerolite" or other equal and approved insulation</u>		
4	40mm Insulation closely fitted and laid on top of brandering between roof timbers, etc	m2 320
Carried Forward to Summary of Section No. 2		R
Section No. 2		
Bill No. 4		
Ceilings, Partitions and Access Flooring		

REFURBISHMENT OF CLASSROOM AND ADMINISTRATION BLOCKS PHATSHEDI PRIMARY SCHOOL

Item No		Quantity	Rate	Amount
<u>SECTION NO.2</u>				
<u>BILL NO. 5</u>				
<u>FLOOR COVERINGS, PLASTIC LININGS, ETC (PROVISIONAL)</u>				
NOTE : Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No. 130 for CPAP formula purposes				
<u>FLOOR COVERINGS</u>				
<u>300 x 300 x 3mm "Marley" or other equal approved semi-flexible vinyl tiles fixed with adhesive to floor screed:</u>				
1	On floors	m2	320	
<u>POLISH, SEALERS, ETC</u>				
<u>Two coats wax polish</u>				
2	On vinyl floors	m2	320	
Carried Forward to Summary of Section No. 2				R
Section No. 2 Bill No. 5 Floor Coverings,Partitions and Access Flooring				

**REFURBISHMENT OF CLASSROOM AND ADMINISTRATION BLOCKS
PHATSHEDI PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<u>SECTION NO.2</u>			
	<u>BILL NO. 6</u>			
	<u>IRONMONGERY (PROVISIONAL)</u>			
	<u>(CPAP FORMULA WORK GROUP NO. 132)</u>			
	NOTE : Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No. 132 for CPAP formula purposes			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Finishes to ironmongery</u>			
	Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list: BS Satin bronze lacquered CH Chromium plated SC Satin chromium plated SE Silver enamelled GE Grey enamelled AS Anodised silver AB Anodised bronze AG Anodised gold ABL Anodised black PB Polished brass PL Polished and lacquered PT Epoxy coated SD Sanded NP Nickle plated			
	<u>HINGES, BOLTS, ETC.</u>			
	<u>'Union' or similar approved hinges:</u>			
1	100mm Brass butt hinge	Pairs	6.0	
	<u>LOCKS</u>			
	<u>'Union' or similar approved:</u>			
2	Union three lever lockset and handles with chrome plated finish	No	6	
	Carried Forward		R	
	Section No. 2 Bill No. 6 Ironmongery			

REFURBISHMENT OF CLASSROOM AND ADMINISTRATION BLOCKS PHATSHEDI PRIMARY SCHOOL

Brought Forward			R
<u>SUNDRIES</u>			
<u>"Union" or similar approved:</u>			
3	Floor mounted door stop	No	6
<u>PINNING BOARDS, WRITING BOARDS, PROJECTION SCREENS, ETC</u>			
<u>"Virtrex" vitreous enamelled writing boards, etc to SABS CSK-36-1980</u>			
4	Green writing board 4 800 x 1 220mm high consisting of two fixed panels each 2 400 x 1 220mm high complete with aluminium chalk rail, etc, plugged	No	6
<u>"Parrot products"</u>			
5	"BD0476" 2 400 x 1 200mm Aluminium framed carpet bulletin board	No	6
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 6			
Ironmongery			

Item No	Quantity	Rate	Amount
<u>SECTION NO.2</u>			
<u>BILL NO. 7</u>			
<u>METALWORK (PROVISIONAL)</u>			
NOTE : Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No. 136 for CPAP formula purposes			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>Descriptions</u>			
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			
Metalwork described as"holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described			
<u>GALVANISED PRESSED STEEL DOOR FRAMES</u>			
<u>1,6mm Single rebated frames suitable for one brick walls</u>			
1	No	6	
Frame for door 813 x 2 032mm high			
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 7			
Metalwork			

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**REFURBISHMENT OF CLASSROOM AND ADMINISTRATION BLOCKS
PHATSHEDI PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<u>SECTION NO.2</u>			
	<u>BILL NO. 9</u>			
	<u>PLUMBING AND DRAINAGE</u> <u>(PROVISIONAL)</u>			
	NOTE : Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No. 146 for CPAP formula purposes.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>uPVC pipes and fittings:</u>			
	Soil, waste and vent pipes and fittings shall be solvent weld jointed			
	<u>uPVC pressure pipes and fittings:</u>			
	Pipes for water supply shall be of the class stated			
	Pipes of 40mm diameter and smaller shall be plain ended with solvent welded uPVC loose sockets and fittings			
	Pipes of 50mm diameter and greater shall have sockets and spigots with push in type integral rubber ring joints. Bends shall be uPVC and all other fittings shall be cast iron, all with similar push-in type joints			
	<u>Copper pipes:</u>			
	Pipes shall be hard drawn and half-hard pipes of the class stated. Class 0 (thin walled hard drawn) pipes shall not be bent. Class 1 (thin walled half-hard), class 2 (half-hard) and class 3 (heavy walled half-hard) pipes shall only be bent with benders with inner and outer formers. Fittings to copper waste, vent and anti-syphon pipes, capillary solder fittings and compression fittings shall be "Cobra Watertech" type. Capillary solder fittings shall comply with ISO 2016. Only compression fittings shall be used in walls or in ground			
	Carried Forward			
	Section No. 2 Bill No. 9 Plumbing and Drainage		R	

**REFURBISHMENT OF CLASSROOM AND ADMINISTRATION BLOCKS
PHATSHEDI PRIMARY SCHOOL**

Brought Forward	R
<p><u>Fixing of pipes</u></p> <p>Unless specifically otherwise stated, descriptions of pipes shall be deemed to include fixing to walls etc, casting in, building in or suspending not exceeding 1m below suspension level</p> <p><u>Reducing fittings</u></p> <p>Where fittings have reducing ends or branches they are described as "reducing". In the case of pipes with diameters not exceeding 60mm only the largest end or branch size is given. Should the contractor wish to use other fittings and bushes or reducers he may do so on the understanding that no claim in this regard will be entertained. In the case of pipes with diameters exceeding 60mm all sizes are given and no claim for extra bushes, reducers, etc will be entertained</p> <p><u>Exposed concrete surfaces</u></p> <p>Exposed surfaces of concrete stormwater channels, cover slabs, inspection eye marker slabs, gulley tops, cleaning eye tops, catchpits, inspection chambers, etc shall be finished smooth with plaster</p> <p><u>Excavations</u></p> <p>No claim for rock excavation will be entertained unless the contractor has timeously notified the quantity surveyor thereof prior to backfilling</p> <p>"Soft rock" and "hard rock" shall be as defined in "Earthworks"</p> <p><u>Laying, backfilling, bedding, etc. of pipes</u></p> <p>Pipes shall be laid and bedded and trenches shall be carefully backfilled in accordance with manufacturers' instructions</p>	
Carried Forward	R
<p>Section No. 2 Bill No. 9 Plumbing and Drainage</p>	

**REFURBISHMENT OF CLASSROOM AND ADMINISTRATION BLOCKS
PHATSHEDI PRIMARY SCHOOL**

Brought Forward			R
<p>Where no manufacturers' instructions exist pipes shall be laid in accordance with clauses 5.1 and 5.2 of each of the following: SABS 1200 L : Medium-pressure pipelines LD : Sewers LE : Stormwater drainage Pipe trenches etc shall be backfilled in accordance with clauses 3, 5.5, 5.6, 5.7 and 7 of SABS 1200 DB : Earthworks (Pipe trenches) Pipes shall be bedded in accordance with clauses 3.1 to 3.4.1, 5.1 to 5.3 and 7 of SABS 1200 LB : Bedding (Pipes). Unless otherwise described bedding of rigid pipes shall be class B bedding</p> <p><u>Flush pans</u></p> <p>Flush pans shall have straight or side outlets and "P" or "S" traps as necessary</p> <p><u>Stainless steel basins, sinks, wash troughs, urinals, etc.</u></p> <p>Units shall have standard aprons on all exposed edges and tiling keys against walls where applicable</p> <p><u>Waste unions</u></p> <p>Descriptions of waste unions shall be deemed to include rubber or vulcanite plugs and chains fixed to fittings</p> <p><u>TAPS, VALVES, ETC</u></p> <p><u>"Cobra Watertech" or similar approved:</u></p>			
1	15mm Metsi Pillar tap	No	10
<p><u>RAINWATER TANKS, ETC</u></p> <p><u>"Jojo" or similar approved:</u></p>			
2	2500 Litre plastic seamless water storage tank complete with fixing lugs and lid and setting in position on steel tank stand (existing)	No	1
<p style="text-align: right;">Carried Forward to Summary of Section No. 2</p> <p>Section No. 2 Bill No. 9 Plumbing and Drainage</p>			R

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REFURBISHMENT OF CLASSROOM AND ADMINISTRATION BLOCKS PHATSHEDI PRIMARY SCHOOL

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 11</u>			
	<u>PAINTWORK (PROVISIONAL)</u>			
	<u>(CPAP FORMULA WORK GROUP NO. 152)</u>			
	NOTE : Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No. 152 for CPAP formula purposes			
	<u>PAINTWORK, ETC. TO NEW WORK</u>			
	<u>ON PLASTERBOARD</u>			
	<u>One coat primer and two coats interior quality PVA emulsion paint</u>			
1	On ceilings and cornices	m2	320	
	<u>ON FIBRE-CEMENT</u>			
	<u>ON METAL</u>			
	<u>Spot priming defects in pre primed surfaces with zinc chromate primer and applying one undercoat and two coat high gloss enamel paint on steel</u>			
2	On door frames	m2	6	
	<u>ON WOOD</u>			
	<u>Three coats polyurethane semi-gloss varnish</u>			
3	On doors	m2	23	
	<u>PAINTWORK, ETC. TO PREVIOUSLY PAINTED SURFACES</u>			
	<u>ON FIBRE- CEMENT,ETC.</u>			
	Carried Forward		R	
	Section No. 2 Bill No. 11 Paintwork			

REFURBISHMENT OF CLASSROOM AND ADMINISTRATION BLOCKS PHATSHEDI PRIMARY SCHOOL

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REFURBISHMENT OF CLASSROOM AND ADMINISTRATION BLOCKS PHATSHEDI PRIMARY SCHOOL

Bill No	SECTION SUMMARY - Builders Work	Page No	Amount
1	Alterations	30	
2	Roof Coverings, etc	31	
3	Carpentry and Joinery	33	
4	Ceilings, Partitions and Access Flooring	35	
5	Floor Coverings,Partitions and Access Flooring	36	
6	Ironmongery	38	
7	Metalwork	39	
8	Plastering	40	
9	Plumbing and Drainage	43	
10	Glazing	44	
11	Paintwork	46	
Carried to Final Summary			R
Section No. 2			

**REFURBISHMENT OF CLASSROOM AND ADMINISTRATION BLOCKS
PHATSHEDI PRIMARY SCHOOL**

Section No	<u>FINAL SUMMARY</u>	Page No	Amount
1	Preliminaries	27	
2	Builders Work	47	
	<u>ELECTRICAL REPAIRS TO EXISTING INFRASTRUCTURE</u>		
	Allow the Provisional Sum of R 312 800.00 (Three Hundred Twelve Thousand Eight Hundred Rands NET) for the electrical maintenance	Item	
	<u>PEST CONTROL</u>		
	Allow the Provisional Sum of R 30 000.00 (Thirty Thousand Rands NET) for the pest control of termites	Item	
	SUBTOTAL		R
	Add value added tax @ 15%		R
	Carried to Form of Tender		R