

Item No		Quantity	Rate	Amount
	<u>BILL NO. 1</u>			
	<u>PRELIMINARIES</u>			
	<u>BUILDING AGREEMENT AND PRELIMINARIES</u>			
	<p>The JBCC Series 2000 Principal Building Agreement (July 2007 edition 5.0 - reprint 1) prepared by the Joint Building Contract Committee shall be the applicable building agreement, amended as hereinafter described</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 contract such modifications, corrections or supplements as will apply are given under each relevant clause heading and such modifications, corrections or supplements shall take precedence notwithstanding anything contrary contained in the abovementioned documents</p> <p>Where any item is not relevant to this specific contract such item is marked N/A, signifying "not applicable"</p>			
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PREAMBLES FOR TRADES

The Model Preambles for Trades (2008 edition) as published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these bills of quantities and no claims arising from brevity of description of items fully described in the said Model Preambles will be entertained

Supplementary preambles are incorporated in these bills of quantities to satisfy the requirements of this project. Such supplementary preambles shall take precedence over the provisions of the said Model Preambles

The contractor's prices for all items throughout these bills of quantities must take account of and include for all of the obligations, requirements and specifications given in the said Model Preambles and in any supplementary preambles

PRICING OF PRELIMINARIES

Should the contractor select Option A in terms of subclause 3.2.1 in the Contract Data - Contractor to Employer (CE) for the purpose of adjustment of these preliminaries, the amount entered into the amount column in these preliminaries is to be divided into one or more of the three categories provided namely Fixed (F), Value Related (V) and Time Related (T)

SECTION A - PRINCIPAL BUILDING AGREEMENT

Definitions (A1)

1 Clause 1.0 - Definitions and interpretation

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

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<u>Objective and preparations (A2 - A14)</u>				
2	Clause 2.0 - Offer acceptance and performance obligations F:..... V:..... T:.....	Item		
3	Clause 3.0 - Documents Refer to Annexure A for a list of the contract drawings Provision is made in the summary page of these bills of quantities for the inclusion of Value Added Tax (VAT) [3.5] The principal agent shall decide which portion of the priced document may be used as a specification of materials and goods or methods, if any [3.9] F:..... V:..... T:.....	Item		
4	Clause 4.0 - Design responsibility F:..... V:..... T:.....	Item		
5	Clause 5.0 - Employer's agents F:..... V:..... T:.....	Item		
6	Clause 6.0 - Contractor's site representative F:..... V:..... T:.....	Item		
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7	<p>Clause 7.0 - Compliance with laws and regulations</p> <p>Without limiting the generally of the provisions of clause 7.0, the contractor's attention is drawn to the provisions of the Construction Regulations, 2003 issued in terms of the Occupational Health and Safety Act,1993. It is specifically stated that the employer shall prepare a document health and safety specification for the works and that the employer shall ensure that the contract has made provision for the cost health and safety measures during the execution of the works. The contractor shall price opposite this item for compliance with the act and the regulations and the reasonable provisions of the aforementioned health and safety specification [7.1]</p> <p>F:..... V:..... T:.....</p>	Item	
8	<p>Clause 8.0 - Works risk</p> <p>F:..... V:..... T:.....</p>	Item	
9	<p>Clause 9.0 - Indemnities</p> <p>F:..... V:..... T:.....</p>	Item	
10	<p>Clause 10.0 - General insurances</p> <p>F:..... V:..... T:.....</p>	Item	
11	<p>Clause 11.0 - Special insurances</p> <p>F:..... V:..... T:.....</p>	Item	
12	<p>Clause 12.0 - Effecting insurances</p> <p>F:..... V:..... T:.....</p>	Item	
13	<p>Clause 13.0 - Assignment F:..... V:..... T:.....</p>	Item	
14	<p>Clause 14.0 - Security</p> <p>F:..... V:..... T:.....</p>	Item	
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	<u>Execution (A15 - A23)</u>			
15	<p>Clause 15.0 - Preparation for and execution of the works F:..... V:..... T:.....</p>	Item		
16	<p>Clause 16.0 - Site and access</p> <p>Certain 16.0 areas will be occupied during the construction period and the contractor must execute the works with as little noise and disturbance as possible to the occupants. [16.6]</p> <p>F:..... V:..... T:.....</p>	Item		
17	<p>Clause 17.0 - Contract instructions F:..... V:..... T:.....</p>	Item		
18	<p>Clause 18.0 - Setting out of the works</p> <p>The contractor shall notify the principal agent if any encroachments of adjoining foundations, buildings, structures, pavements, boundaries, etc. exist in order that the necessary arrangements may be made for the rectification of any such encroachments.F: V:.....T:.....</p>	Item		
19	<p>Clause 19.0 - Temporary works and plant</p> <p>Subclause 19.1.1 - Enclosure of the works</p> <p>Subclause 19.1.2 - Office accommodation</p> <p>F:..... V:..... T:.....</p>	Item		
20	<p>Clause 19.1.2 - Office accommodation - provide suitable office accommodation for site meetings with tables and chairs for people</p> <p>F:..... V:..... T:.....</p>	Item		
21	<p>Clause 20.0 - Nominated subcontractors F:..... V:..... T:.....</p>	Item		
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22	<p>Clause 21.0 - Selected subcontractors</p> <p>General attendance of n/s subcontractors for pricing by the contractor shall be in accordance with the n/s agreement. notwithstanding this provision, general attendance shall be deemed to include for the contractor to provide free of charge to any n/s subcontractor such scaffolding as many reasonably be required by such n/s subcontractor for the execution of the relevant subcontract work</p> <p>F:..... V:..... T:.....</p>	Item		
23	<p>Clause 22.0 - Employer's direct contractors</p> <p>F:..... V:..... T:.....</p>	Item		
24	<p>Clause 23.0 - Contractor's domestic subcontractors</p> <p>F:..... V:..... T:.....</p> <p><u>Completion (A24 - A30)</u></p>	Item		
25	<p>Clause 24.0 - Practical completion</p> <p>F:..... V:..... T:.....</p>	Item		
26	<p>Clause 25.0 - Works completion F:..... V:..... T:.....</p>	Item		
27	<p>Clause 26.0 - Final completion F:..... V:..... T:.....</p>	Item		
28	<p>Clause 27.0 - Latent defects liability period</p> <p>F:..... V:..... T:.....</p>	Item		
29	<p>Clause 28.0 - Sectional completion F:..... V:..... T:.....</p>	Item		
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30	<p>Clause 29.0 - Revision of date for practical completion The removal and replacement of materials and/or workmanship which do not conform to specification or drawing shall not constitute grounds for the extension of the construction period nor for the adjustment of the contract value (Clause 29.3)F:..... V:..... T:.....</p>	Item		
31	<p>Clause 30.0 - Penalty for late or non-completion: 0.04% of the Contract Amount inclusive of Value Added Tax per Calendar day F:..... V:..... T:.....</p> <p><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- Subject to CPAP</p> <p>All fluctuations in costs, with the exception of fluctuations in the rate of Value Added Tax, shall be for the account of the contractor.</p> <p>Where prices are submitted by the contractor or n/s subcontractor during the progress of the works in respect of contract instructions or in regard to a claim under the terms of the contract and notwithstanding the fact that such prices may be used in an interim payment certificate, there is to be no presumption of acceptance. Should the principal agent wish to accept any such prices prior to the issue of the final payment certificate, it shall be in writing</p> <p>The contractor shall not receive any mark-up for overheads and profit on any omission of tenant installation work or tenant installation work by others. Claims for loss of profit shall not be entertained [32.2]</p> <p>F:..... V:..... T:.....</p>	Item		
34	<p>Clause 33.0 - Recovery of expense and loss</p> <p>F:..... V:..... T:.....</p>	Item		
35	<p>Clause 34.0 - Final account and final payment</p> <p>F:..... V:..... T:.....</p>	Item		
36	<p>Clause 35.0 - Payment to other parties</p> <p>F:..... V:..... T:.....</p> <p><u>Termination (A36 - A39)</u></p>	Item		
37	<p>Clause 36.0 - Termination by employer - contractor's default F:..... V:..... T:.....</p>	Item		
38	<p>Clause 37.0 - Termination by employer - loss and damage F:..... V:..... T:.....</p>	Item		
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39	Clause 38.0 - Termination by contractor - employer's default F:..... V:..... T:.....	Item		
40	Clause 39.0 - Termination - cessation of the works F:..... V:..... T:.....	Item		
	<u>Dispute (A40)</u>			
41	Clause 40.0 - Settlement of disputes F:..... V:..... T:.....	Item		
	<u>Contract variables (A41 - A42)</u>			
42	Clause 41.0 - Post tender provisions The contractor is to complete and submit with his tender the JBCC Principal Building Agreement Contract Data CE F:..... V:..... T:.....	Item		
43	Clause 42.0 - Contractual agreement The required information of the parties and the amount of the contract sum shall be inserted in the agreement for signature of the agreement by the parties F:..... V:..... T:.....	Item		
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SECTION B - PRELIMINARIES

Definitions and interpretation (B1)

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

Item

Documents (B2)

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

Item

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

Item

- 47 Clause 2.3 - Availability of construction documentation

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

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

Item

Previous work and adjoining properties (B3)

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

Item

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

Item

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

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

SECTION C - SPECIFIC PRELIMINARIES

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

71 Black economic empowerment and training

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

Item

72 Propriety branded products

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

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

Item

73 Contract Instructions

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

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

Item

74 Labour records

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

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

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75	<p>Plant record</p> <p>F:..... V:..... T:.....</p> <p>At the end of each week the contractor shall provide the principal agent with a written record, in schedule form, reflecting the number, type and capacity of all plant, excluding hand tools used on the works each day of that week</p>	Item		
76	<p>Guarantees</p> <p>F:..... V:..... T:.....</p> <p>Where guarantees are called for, the contractor shall obtain a written guarantee, addressed to the employer, from the firm supplying the materials and/or doing the work and shall deliver same to the principal agent on the certified completion of the contract. The guarantee shall state that workmanship, materials and installation are guaranteed for a specific period from the date of certified completion of the contract, and that any defects that may arise during the specified period shall be made good at the expense of the firm supplying the materials and/or doing the work, upon written notice from the principal agent to do so. This guarantee will not be enforced if the work is damaged by defects in the construction of the building in which case the responsibility for replacement shall be the sole judge of the cause responsible for defects in the work and his decision shall be final and binding in terms of clause 40.2 of the agreement.</p>	Item		
77	<p>Overtime</p> <p>F:..... V:..... T:.....</p> <p>Should overtime be required to be worked for any reason whatsoever, the costs of such overtime are to be borne by the contractor unless the principal agent has specifically authorised, in writing, prior to execution thereof, that costs for such overtime are to be borne by the employer</p>	Item		
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78 Co-operation of contractor for cost management
F:..... V:..... T:.....

It is specifically agreed that the contractor accepts the obligation of assisting the professional consultants in implementing proper cost management. The contractor will be advised by the principal agent of all cost management procedures which will be implemented to ensure that the final building cost does not exceed the budget. The quantity surveyor undertakes to make to make available to the contractor all budgetary allowances and cost assessments/reports to enable the proper procedures to be implemented and the contractor will attend all cost plan review and cost management meetings. The contractor undertakes to extend these procedures in regard to all subcontractors

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79	<p>Occupational Health and Safety Specification</p> <p>F:..... V:..... T:.....</p> <p>The contractor shall comply with all the requirements set out in the Construction Regulations 2003 issued under the Occupational Health and Safety Act. 1993 (Act No 85 of 1993)</p> <p>It is required of the contractor to thoroughly study the Health and Safety Specification that must be read together with and is deemed to be incorporated under this Section of the bills if quantities/ lump sum document.</p> <p>The contractor must take note that compliance with the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is compulsory. In the event of partial or total non-compliance, the principal agent, notwithstanding the provisions of clause A31.0 of Section A or any other clause to the contrary, reserves the right to delay issuing any progress payment certificate until the contractor provides satisfactory proof of compliance. The contractor shall not be entitled to any compensation of whatsoever nature, including extension of time or interest, due to such delay of payment.</p> <p>Provisions for pricing of the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is made under this clause and it is explicitly pointed out that all requirements of the aforementioned are deemed to be priced hereunder and no additional claims in this regard shall be entertained.</p>				
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	Allow for all compulsory health and safety workshops, meetings, lecturers, demonstrations, etc F:..... V:..... T:.....	Item		
83	Allow for all compulsory health and safety pamphlets, cards, paperwork, etc to each worker, consultant, public individual, etc coming onto the site F:..... V:..... T:.....	Item		
84	Testing of windows for watertightness Each window shall be tested for watertightness with water sprayed on using adequate pressure. If in the opinion of the principal agent, the pressure proves to be inadequate, then the pressure shall be boosted by means of compressed air or other approved means F:..... V:..... T:.....	Item		
85	Allow for all compulsory health and safety files that must be completed daily and must be handed to the employer on completion of the contract F:..... V:..... T:.....	Item		
86	Scope of Application as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
87	Notification of Construction Work as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
88	Employer's responsibilities as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
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89	Principal Contractor's responsibility as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
90	Supervision of construction work as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
91	Risk assessment per Act No 85 of 1993 F:..... V:..... T:.....	Item		
92	Fall protection as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
93	Structural Formwork and Support as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
94	Excavation as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
95	Demolition work as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
96	Tunnelling as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
97	Scaffolding as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
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98	Suspended platforms as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
99	Botswains chairs as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
100	Materials hoists as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
101	Batch plant as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
102	Explosive powered tools as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
103	Cranes as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
104	Construction vehicles and mobile plant as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
105	Electrical installations and machinery on construction sites as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
106	Use and temporary storage of flammable liquids on construction sites as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
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107	Water environments as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
108	Housekeeping on construction sites as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
109	Testing of flat roof waterproofing for watertightness Flat roof waterproof areas shall be prepared with small sand dykes around them of a size and enclosing an area approved by the principal agent, flooded with water and kept "ponded" for at least 36 hours as a test to ensure the watertightness of the waterproofing and before any further construction work is carried out above the waterproofing F:..... V:..... T:.....	Item		
110	Stacking and storage on construction sites as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
111	Fire precautions as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
112	Construction welfare as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
113	Approved inspection Authorities as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
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114	<p>Offences and penalties as per Act No 85 of 1993</p> <p>F:..... V:..... T:.....</p>	Item		
115	<p>Repeal of regulations as per Act No 85 of 1993</p> <p>F:..... V:..... T:.....</p>	Item		
116	<p>Short title as per Act No 85 of 1993</p> <p>F:..... V:..... T:.....</p>	Item		
117	<p>Obligatory Sub-contracting and training</p> <p>F:..... V:..... T:.....</p> <p>The contractor shall sub-contract 40% of the work to Domestic Sub-contractors as listed in the Schedule of Sub-contractors in the Returnable Schedules</p> <p>The principal Agent and the Contractor shall at all times make sure that the work complies with the relevant specifications, standards and norms as contained in this tender.</p> <p>The Principal Agent and the Contractor shall provide shall for the necessary skills transfer and assistance to complete the sub-contracted section of the works.</p> <p>The Principal Agent and the Contractor shall provide the necessary documentation to the Domestic Sub-Contracyor for upgrading of the rating by CIDB.</p> <p>BEE Sub-Contractors must be 100% black owned and have offices in Mpumalanga Province</p>	Item		
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118	Expanded Public Works Programme F:..... V:..... T:..... The Contractor shall study the guidelines for the implementation of labour-intensive infrastructure projects under the Expanded Public Works Programme (EPWP) attached to this document. The contractor shall take note of the requirements and inform all selected and other sub-contractors, as no claim afterwards will be entertained	Item		
119	Local and targeted labour F:..... V:..... T:.....	Item		
120	Allow for regular submission of proof of employment of local skilled and unskilled labour to Employer's representative F:..... V:..... T:.....	Item		
121	Training allowance paid to targeted labour in respect of formal training F:..... V:..... T:.....	Item		
122	Extra over for the submission of payment of training allowances to targeted labour F:..... V:..... T:.....	Item		
123	Transport and accommodation of workers for training where it is not possible to undertake the training in close proximity to the site F:..... V:..... T:.....	Item		
124	Contract Drawings F:..... V:..... T:.....	Item		
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125	<p>The drawings issued with the tender documents do not comprise the complete set but serve as a guide only for tendering purposes and for indicating the scope of the work to enable the tenderer to acquaint himself with the nature and extent of the works and the manner in which they are to be executed</p> <p>Should any part of the drawings not be clearly understood by the tenderer he shall, before submitting his tender, obtain clarification in writing from the principal agent</p> <p>F:..... V:..... T:.....</p>	Item		
126	<p>C13: General Preambles</p> <p>F:..... V:..... T:.....</p>	Item		
127	<p>C14: Trade names</p> <p>F:..... V:..... T:.....</p> <p>Wherever a trade name form any product has been described in the bills of quantities/ lump sum document, the tenderer's attention is drawn to the fact that any other product of equal quality may be used subject to the written approval of the principal agent being obtained prior to the closing date for submission of tenders</p> <p>If prior written approval for an alternative product is not obtained, the product described shall be deemed to have been tendered for</p>	Item		
128	<p>C15: Community Liaison Officer</p> <p>F:..... V:..... T:.....</p>	Item		
129	<p>Allow for a Community Liaison Officer (CLO) to be appointed</p> <p>F:..... V:..... T:.....</p>	Item		
Carried to Collection			R	
<p>Section No. 1 Bill No. 1 Preliminaries Refurbishment to Lehlasedi High school</p>				

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

SUMMARY OF CATEGORIES

Category : Fixed R.....

Category : Value R.....

Category : Time R.....

Carried to Collection

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Section No. 1

Bill No. 1

Preliminaries

Refurbishment to Lehlasedi High school

Section No. 1

Bill No. 1

Preliminaries

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Section No. 1

Bill No. 1

Preliminaries

Refurbishment to Lehlasedi High school

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[illegible]

Item No		Quantity	Rate	Amount
	<u>BILL NO 3</u>			
	<u>IRONMONGERY</u>			
	<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			
	<u>LOCKS</u>			
1	75mm four lever lockset with striking plate fixed to metal	No		
	<u>HANDLES</u>			
	<u>"Union"</u>			
2	63mm Brass pull handle	No		
	<u>BATHROOM FITTINGS</u>			
	<u>"Kimberley-Clark"</u>			
3	75mm Diameter chromium plated towel rail ?mm long including end brackets	No		
4	Lockable toilet roll holder plugged	No		
	<u>PINNING BOARDS, WRITING BOARDS, PROJECTION SCREENS, ETC</u>			
	Carried to Collection		R	
	Section No. 2 Bill No. 3 Ironmongery Refurbishment to Lehlasedi High school			

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Item No	Quantity	Rate	Amount
<u>BILL NO 4</u>			
<u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u>			
<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>CEILINGS ETC</u>			
<u>NAILED UP CEILINGS</u>			
<u>6.4mm "Rhino" gypsum plasterboard with "Bischoff" H-type pressed steel jointing strips</u>			
1	Ceilings including 38 x 38mm sawn softwood bandering at 300mm centres	m2	93
2	Extra over gypsum plasterboard ceiling for hinged pressed metal trap door size 600 x 600mm including all necessary ironmongery	No	
<u>Sawn Softwood</u>			
3	38 x 38mm Trimmers around light fittings (elsewhere)	m	
4	38 x 38mm Hangers	m	
5	38 x 76mm Runners	m	
6	38 x 114mm Ceiling joists	m	
Carried to Collection			R
Section No. 2			
Bill No. 4			
Ceilings			
Refurbishment to Lehlasedi High school			

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Section No. 2

Bill No. 4

Ceilings

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Section No. 2

Bill No. 4

Ceilings

Refurbishment to Lehlasedi High school

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Item No	Quantity	Rate	Amount
<u>BILL NO 6</u>			
<u>TILING</u>			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>Descriptions</u>			
Unless described as "fixed with adhesive to plaster (plaster elsewhere)" descriptions of tiling on brick or concrete walls, columns, etc shall be deemed to include 1:4 cement plaster backing and descriptions of tiling on concrete floors etc shall be deemed to include 1:3 plaster bedding			
<u>FLOOR TILING</u>			
<u>250 x 250 x 22mm Non-slip terrazzo floor tiles fixed with adhesive to bedding (bedding elsewhere) and flush pointed with tinted waterproof jointing compound</u>			
1	On floors and landings	m2	123
2	Skirting 75mm high	m	63
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 6			
Tiling			
Refurbishment to Lehlasedi High school			

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	<u>Prepare, stop and apply one coat alkali resistant pure acrylic filler coat and one full coat washable mat acrylic PVA paint</u>				
3	On internal plastered board ceilings	m2	93		
	<u>ON FIBRE-CEMENT</u>				
	<u>Prepare, stop and apply one coat alkali resistant primer and two full coats acrylic emulsion paint for exterior use</u>				
4	On external fibre-cement fascias and bargeboards including priming metal cover strips and screw heads with one coat zinc phosphate alkyd resin primer	m2	28		
	<u>ON METAL</u>				
	<u>Paint on metal</u>				
	<u>Prepare and apply two coats bitumen paint</u>				
5	On inside of 100 x 125mm galvanised sheet iron eaves gutter before fixing	m			
	<u>Prepare, touch up factory primer and apply one coat universal undercoat and two full coats high gloss enamel paint</u>				
6	On pressed steel door frames	m2	4		
7	On Mild steel window frames	m2	27		
8	On sashes and frames with burglar bars (both sides measured)	m2	27		
	<u>Prepare and apply one coat zinc phosphate alkyd resin primer, one coat universal undercoat and two full coats high gloss enamel paint</u>				
9	On grille gates and screens (both sides measured on flat)	m2	7		
	<u>ON WOOD</u>				
	<u>Paint on wood</u>				
Carried to Collection				R	
Section No. 2					
Bill No. 8					
Paintwork					
Refurbishment to Lehlasedi High school					

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Section No. 2

Bill No. 8

Paintwork

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Section No. 2

Bill No. 8

Paintwork

Refurbishment to Lehlasedi High school

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Item No	Quantity	Rate	Amount
<u>BILL NO 2</u>			
<u>CARPENTRY AND JOINERY</u>			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>ROOFS ETC</u>			
<u>Sawn softwood</u>			
1	76 x 50mm Purlins	m	
<u>"Everite FC77" pressed fibre-cement</u>			
2	225 x 15mm Fascias and barge boards including galvanised steel H-profile jointing strips	m	54
<u>SKIRTINGS</u>			
3	19 x 75mm Skirting nailed	m	
<u>DOORS ETC</u>			
<u>Wrought meranti doors hung to steel frames</u>			
4	40mm Framed door 813 x 2032mm high Framed,ledged and braced batten door formed of 40 x 110mm stiles and top rail, 20 x 225mm bottom ledge, 20 x 150mm middle ledge and 20 x 110mm diagonal braces, filled in flush one side with 20 x 75mm tongued, grooved and v-jointed both sides vertical boarding fixed in and including grooves in stiles and top rail	No	8
Carried Forward to Summary of Section No. 3			R
Section No. 3			
Bill No. 2			
Carpentry and Joinery			
Refurbishment to Lehlasedi High school			

Item No	Quantity	Rate	Amount
<u>BILL NO 3</u>			
<u>ROOF COVERINGS ETC</u>			
<u>PROFILED METAL SHEETING AND ACCESSORIES</u>			
<u>User note:</u>			
Supplementary preambles in connection with fixing of sheeting and accessories and laps are to be inserted when the Model Preambles for Trades (or other preambles not covering the fixing of sheeting and accessories and laps) are used			
When the pitch of troughed roof covering is less than 5 degrees or if dustproofing is required then the description of roof coverings "with side laps sealed" is to be used			
Where roof coverings are fixed on top of rigid board insulation to purlins etc descriptions of roof coverings are to include therefore			
Note that sheeting is also available in corten steel, stainless steel, copper and aluminium			
<u>0.6mm Thick light industrial "colomet"IBR profile steel roof sheeting pre painted fixed to timber purlins at approximately 750mm centres according to engineers detail</u>			
1	Roof covering with pitch not exceeding 25 degrees	m2	417
2	Ridge capping 1.2mm girth	m	31
3	Narrow and broad flute closers	m	
4	Head wall flashing 350mm girth	m	
5	Side wall flashing 75mm girth	m	
<u>ROOF AND WALL INSULATION</u>			
Carried to Collection			R
Section No. 3			
Bill No. 3			
Roof Coverings			
Refurbishment to Lehlasedi High school			

6	<p><u>"Sisalation 410" housing grade glass fibre reinforced aluminium foil bonded insulation</u></p> <p>Insulation laid taut over rafters and fixed concurrent with tiling battens, purlins, etc</p>	m2	417		
	<p style="text-align: right;">Carried to Collection</p> <p>Section No. 3 Bill No. 3 Roof Coverings Refurbishment to Lehlasedi High school</p>			R	

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Item No	Quantity	Rate	Amount
<u>BILL NO 5</u>			
<u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u>			
<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>CEILINGS ETC</u>			
<u>NAILED UP CEILINGS</u>			
<u>6.4mm "Rhino" gypsum plasterboard with "Bischoff" H-type pressed steel jointing strips</u>			
1	Ceilings including 38 x 38mm sawn softwood bandering at 300mm centres	m2	466
2	Extra over gypsum plasterboard ceiling for hinged pressed metal trap door size 600 x 600mm including all necessary ironmongery	No	2
<u>Sawn Softwood</u>			
3	38 x 38mm Trimmers around light fittings (elsewhere)	m	
4	38 x 38mm Hangers	m	
5	38 x 76mm Runners	m	
6	38 x 114mm Ceiling joists	m	
Carried to Collection			R
Section No. 3			
Bill No. 5			
Ceilings			
Refurbishment to Lehlasedi High school			

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Item No	Quantity	Rate	Amount
<u>BILL NO. 6</u> <u>PLASTERING</u> Unless otherwise stated all items in this bill shall be deemed to fall into Work Group No. 142 for JBCC CPAP purposes <u>(3:1) Cement screeds to concrete</u> <u>33mm Thick</u>			
1	On floors to receive ceramic tiles (elsewhere)	m2	513
Carried Forward to Summary of Section No. 3			R
Section No. 3 Bill No. 6 Plastering Refurbishment to Lehlasedi High school			

Item No	Quantity	Rate	Amount
<u>BILL NO 7</u>			
<u>TILING</u>			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>Descriptions</u>			
Unless described as "fixed with adhesive to plaster (plaster elsewhere)" descriptions of tiling on brick or concrete walls, columns, etc shall be deemed to include 1:4 cement plaster backing and descriptions of tiling on concrete floors etc shall be deemed to include 1:3 plaster bedding			
<u>FLOOR TILING</u>			
<u>250 x 250 x 22mm Non-slip terrazzo floor tiles fixed with adhesive to bedding (bedding elsewhere) and flush pointed with tinted waterproof jointing compound</u>			
1	On floors and landings	m2	420
2	Skirting 75mm high	m	232
Carried Forward to Summary of Section No. 3			R
Section No. 3			
Bill No. 7			
Tiling			
Refurbishment to Lehlasedi High school			

Item No	Quantity	Rate	Amount
<u>BILL NO 8</u>			
<u>PLUMBING AND DRAINAGE</u>			
<u>(PROVISIONAL)</u>			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>"Polycop" polypropylene pipes:</u>			
Polypropylene pipes 54mm diameter and under shall be seamless copper coloured class 16 pipes jointed with "Fast-fuse" heat welded thermoplastic or brass compression fittings as designed for use with copper pipes as stated			
Pipes shall be firmly fixed to walls etc with coloured nylon snap-in pipe clips with provision for accommodating thermal movement and jointed and fixed strictly in accordance with the manufacturer's instructions			
All pipe diameters are nominal external			
<u>RAINWATER DISPOSAL</u>			
<u>Galvanised sheet iron</u>			
1	75 x 75mm Eaves gutters	m	124
2	Extra over eaves gutter for stopped end	No	4
3	Extra over eaves gutter for angle	No	20
4	Extra over eaves gutter for outlet for 75mm pipe	No	20
5	Extra over eaves gutter for outlet for 75 x 75mm pipe	No	20
6	75mm Diameter rainwater pipes	m	60
<u>SANITARY FITTINGS</u>			
Carried to Collection			R
Section No. 3			
Bill No. 8			
Plumbing and Drainage			
Refurbishment to Lehlasedi High school			

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Water Supply

Class O thin wall hard drawn copper pipes and fittings
with capillary soldered type connections

17	15mm Pipes	m			
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Extra over class O copper pipes for soldered capillary
fittings

18	15mm Fittings	No			
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Carried to Collection

R

Section No. 3
Bill No. 8
Plumbing and Drainage
Refurbishment to Lehlasedi High school

Section No. 3

Bill No. 8

Plumbing and Drainage

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Bill No. 8

Plumbing and Drainage

Refurbishment to Lehlasedi High school

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	<u>Prepare, stop and apply one coat alkali resistant pure acrylic filler coat and one full coat washable mat acrylic PVA paint</u>				
3	On internal plastered board ceilings	m2	467		
	<u>ON FIBRE-CEMENT</u>				
	<u>Prepare, stop and apply one coat alkali resistant primer and two full coats acrylic emulsion paint for exterior use</u>				
4	On external fibre-cement fascias and bargeboards including priming metal cover strips and screw heads with one coat zinc phosphate alkyd resin primer	m2	28		
	<u>ON METAL</u>				
	<u>Paint on metal</u>				
	<u>Prepare and apply two coats bitumen paint</u>				
5	On inside of 100 x 125mm galvanised sheet iron eaves gutter before fixing	m	184		
	<u>Prepare, touch up factory primer and apply one coat universal undercoat and two full coats high gloss enamel paint</u>				
6	On pressed steel door frames	m2	15		
7	On Mild steel window frames	m2	209		
8	On sashes and frames with burglar bars (both sides measured)	m2	209		
	<u>Prepare and apply one coat zinc phosphate alkyd resin primer, one coat universal undercoat and two full coats high gloss enamel paint</u>				
9	On grille gates and screens (both sides measured on flat)	m2	26		
	<u>Prepare and apply 1 undercoat and two top coats of approved roof paint</u>				
10	On existing roof sheeting 1 undercoat and 2 coats approved roof paint	m2	417		
Carried to Collection				R	
Section No. 3					
Bill No. 10					
Paintwork					
Refurbishment to Lehlasedi High school					

ON WOOD

Paint on wood

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

11	On general surfaces of doors	m2	28	
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Wood preservative

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

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Section No. 3
Bill No. 10
Paintwork
Refurbishment to Lehlasedi High school

Section No. 3

Bill No. 10

Paintwork

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Section No. 3

Bill No. 10

Paintwork

Refurbishment to Lehlasedi High school

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Item No		Quantity	Rate	Amount
	<u>SECTION 2</u>			
	<u>BILL NO. 2</u>			
	<u>MASONRY</u>			
	NOTE : Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No. 116 for CPAP formula purposes			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>BRICKWORK</u>			
	<u>Sizes in descriptions</u>			
	Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick			
	<u>Face bricks</u>			
	Bricks shall be ordered timeously to obtain uniformity in size and colour			
	<u>Pointing</u>			
	Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc.			
	<u>SUPERSTRUCTURE</u>			
	<u>FACE BRICKWORK</u>			
	<u>Brick-on-edge header course copings, sills, etc of external face bricks (Prime Cost Amount R 2 500.00/1000) pointed with recessed joints on all exposed faces</u>			
1	180mm Wide sill set sloping and slightly projecting	m	10	
	Carried Forward to Summary of Section No. 4		R	
	Section No. 4 Bill No. 2 Brickwork Refurbishment to Lehlasedi High school			

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Section No. 4

Bill No. 4

Ironmongery

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Section No. 4

Bill No. 4

Ironmongery

Refurbishment to Lehlasedi High school

Item No	Quantity	Rate	Amount
<u>BILL NO 5</u>			
<u>ROOF COVERINGS ETC</u>			
<u>PROFILED METAL SHEETING AND ACCESSORIES</u>			
<u>User note:</u>			
Supplementary preambles in connection with fixing of sheeting and accessories and laps are to be inserted when the Model Preambles for Trades (or other preambles not covering the fixing of sheeting and accessories and laps) are used			
When the pitch of troughed roof covering is less than 5 degrees or if dustproofing is required then the description of roof coverings "with side laps sealed" is to be used			
Where roof coverings are fixed on top of rigid board insulation to purlins etc descriptions of roof coverings are to include therefore			
Note that sheeting is also available in corten steel, stainless steel, copper and aluminium			
<u>0.6mm Thick light industrial "colomet"IBR profile steel roof sheeting pre painted fixed to timber purlins at approximately 750mm centres according to engineers detail</u>			
1	Roof covering with pitch not exceeding 25 degrees	m2	620
2	Ridge capping 1.2mm girth	m	44
3	Narrow and broad flute closers	m	
4	Head wall flashing 350mm girth	m	
5	Side wall flashing ?mm girth	m	
<u>ROOF AND WALL INSULATION</u>			
Carried to Collection			R
Section No. 4			
Bill No. 5			
Roof Cover			
Refurbishment to Lehlasedi High school			

	<p><u>"Sisalation 410" housing grade glass fibre reinforced aluminium foil bonded insulation</u></p>			
6	Insulation laid taut over rafters and fixed concurrent with tiling battens, purlins, etc	m2	620	
	Carried to Collection			R
	Section No. 4 Bill No. 5 Roof Cover Refurbishment to Lehlasedi High school			

Section No. 4

Bill No. 5

Roof Cover

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Section No. 4

Bill No. 5

Roof Cover

Refurbishment to Lehlasedi High school

Item No	Quantity	Rate	Amount
<u>BILL NO 6</u>			
<u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u>			
<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>CEILINGS ETC</u>			
<u>NAILED UP CEILINGS</u>			
<u>6.4mm "Rhino" gypsum plasterboard with "Bischoff" H-type pressed steel jointing strips</u>			
1	Ceilings including 38 x 38mm sawn softwood bandering at 300mm centres	m2	473
2	Extra over gypsum plasterboard ceiling for hinged pressed metal trap door size 600 x 600mm including all necessary ironmongery	No	3
<u>Sawn Softwood</u>			
3	38 x 38mm Trimmers around light fittings (elsewhere)	m	
4	38 x 38mm Hangers	m	
5	38 x 76mm Runners	m	
6	38 x 114mm Ceiling joists	m	
Carried to Collection			R
Section No. 4			
Bill No. 6			
Ceilings			
Refurbishment to Lehlasedi High school			

<u>"Aerolite" insulation</u>		
7	50mm Insulation closely fitted and laid on top of brandering between roof timbers etc	m2 473
<u>"Rhino" gypsum plasterboard cornices</u>		
<u>CORNICES</u>		
8	75mm Coved cornices	m 261
<div> <div>Carried to Collection</div> <div>R</div> </div>		
<div> <div>Section No. 4</div> <div>Bill No. 6</div> <div>Ceilings</div> <div>Refurbishment to Lehlasedi High school</div> </div>		

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Item No	Quantity	Rate	Amount
<u>BILL NO. 7</u> <u>PLASTERING</u> Unless otherwise stated all items in this bill shall be deemed to fall into Work Group No. 142 for JBCC CPAP purposes _____ <u>(3:1) Cement screeds to concrete</u> <u>33mm Thick</u>			
1	On floors to receive ceramic tiles (elsewhere)	m2	571
Carried Forward to Summary of Section No. 4			R
Section No. 4 Bill No. 7 Plastering Refurbishment to Lehlasedi High school			

Item No	Quantity	Rate	Amount
<u>BILL NO 8</u>			
<u>TILING</u>			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>Descriptions</u>			
Unless described as "fixed with adhesive to plaster (plaster elsewhere)" descriptions of tiling on brick or concrete walls, columns, etc shall be deemed to include 1:4 cement plaster backing and descriptions of tiling on concrete floors etc shall be deemed to include 1:3 plaster bedding			
<u>FLOOR TILING</u>			
<u>250 x 250 x 22mm Non-slip terrazzo floor tiles fixed with adhesive to bedding (bedding elsewhere) and flush pointed with tinted waterproof jointing compound</u>			
1	On floors and landings	m2	473
2	Skirting 75mm high	m	261
Carried Forward to Summary of Section No. 4			R
Section No. 4			
Bill No. 8			
Tiling			
Refurbishment to Lehlasedi High school			

Item No	Quantity	Rate	Amount
<u>BILL NO 9</u>			
<u>PLUMBING AND DRAINAGE</u>			
<u>(PROVISIONAL)</u>			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>"Polycop" polypropylene pipes:</u>			
Polypropylene pipes 54mm diameter and under shall be seamless copper coloured class 16 pipes jointed with "Fast-fuse" heat welded thermoplastic or brass compression fittings as designed for use with copper pipes as stated			
Pipes shall be firmly fixed to walls etc with coloured nylon snap-in pipe clips with provision for accommodating thermal movement and jointed and fixed strictly in accordance with the manufacturer's instructions			
All pipe diameters are nominal external			
<u>RAINWATER DISPOSAL</u>			
<u>Galvanised sheet iron</u>			
1	75 x 75mm Eaves gutters	m	131
2	Extra over eaves gutter for stopped end	No	12
3	Extra over eaves gutter for angle	No	24
4	Extra over eaves gutter for outlet for 75mm pipe	No	24
5	Extra over eaves gutter for outlet for 75 x 75mm pipe	No	24
6	75mm Diameter rainwater pipes	m	72
<u>SANITARY FITTINGS</u>			
Carried to Collection			R
Section No. 4			
Bill No. 9			
Plumbing and Drainage			
Refurbishment to Lehlasedi High school			

	<u>"Vaal"</u>				
7	530 x 430mm "Orbit" self-rimming drop-in vanity basin	No			
8	"Klip" low level wc suite comprising pan with double flap heavy duty plastic seat and matching 9 litre cistern with flush pipe	No			
9	"Protea Paraplegic" low level wc suite comprising pan with double flap heavy duty plastic seat and matching 9 litre cistern with flush pipe and purpose made CP side-flush lever	No			
10	415 x 315 x 275mm "Flatback" wall hung bowl urinal with spreader (flushing valve elsewhere)	No			
	<u>TRAPS</u>				
	<u>Traps, etc. including joints to steel pipes and/or fittings unless otherwise described</u>				
	<u>Butyl Rubber</u>				
11	32-40mm Butyl rubber deep seal P or S trap	No			
	<u>WASTE UNIONS</u>				
	<u>"Cobra Watertech"</u>				
12	32mm "301" Basin waste union	No			
	<u>"Cobra Watertech"</u>				
13	15mm "059CP" Extension piece with sliding wall flange	No			
	<u>Sanitary Plumbing</u>				
	<u>uPVC pipes and fittings</u>				
14	50mm Pipe fixed to walls,etc.	m			
	<u>Extra over uPVC pipes for fittings</u>				
15	50mm Reducer	No			
16	50mm Bend	No			
	Carried to Collection			R	
	Section No. 4				
	Bill No. 9				
	Plumbing and Drainage				
	Refurbishment to Lehlasedi High school				

Water Supply

Class O thin wall hard drawn copper pipes and fittings
with capillary soldered type connections

17	15mm Pipes	m			
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Extra over class O copper pipes for soldered capillary
fittings

18	15mm Fittings	No			
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Carried to Collection

R

Section No. 4
Bill No. 9
Plumbing and Drainage
Refurbishment to Lehlasedi High school

Section No. 4

Bill No. 9

Plumbing and Drainage

COLLECTION

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Section No. 4

Bill No. 9

Plumbing and Drainage

Refurbishment to Lehlasedi High school

[illegible]

Item No	Quantity	Rate	Amount
<u>BILL NO 11</u>			
<u>PAINTWORK</u>			
<u>PREPARATORY WORK TO EXISTING WORK</u>			
<u>Previously painted plastered surfaces</u>			
Surfaces shall be thoroughly washed down and allowed to dry completely before any paint is applied. Blistered or peeling paint shall be completely removed and cracks shall be opened, filled with a suitable filler and finished smooth			
<u>Previously painted metal surfaces</u>			
Surfaces shall be thoroughly rubbed and cleaned down. Blistered or peeling paint shall be completely removed down to bare metal			
<u>Previously painted wood surfaces</u>			
Surfaces shall be thoroughly cleaned down. Blistered or peeling paint shall be completely removed and cracks and crevices shall be primed, filled with suitable filler and finished smooth			
<u>PAINTWORK ETC TO PREVIOUSLY PAINTED WORK</u>			
<u>ON FLOATED PLASTER</u>			
<u>Paint on plaster, etc.</u>			
<u>One undercoat and two coats "Plascon Double Velvet" or similar approved paint</u>			
1	On internal plastered walls	m2	388
2	On External walls Face brick dressing	m2	358
3	On internal walls brick dressing to face brickwork	m2	582
Carried to Collection			R
Section No. 4 Bill No. 11 Paintwork Refurbishment to Lehlasedi High school			

ON PLASTER BOARD

Prepare, stop and apply one coat alkali resistant pure acrylic filler coat and one full coat washable mat acrylic PVA paint

4	On internal plastered board ceilings	m2	473	
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ON FIBRE-CEMENT

Prepare, stop and apply one coat alkali resistant primer and two full coats acrylic emulsion paint for exterior use

5	On external fibre-cement fascias and bargeboards including priming metal cover strips and screw heads with one coat zinc phosphate alkyd resin primer	m2	44	
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ON METAL

Paint on metal

Prepare and apply two coats bitumen paint

6	On inside of 100 x 125mm galvanised sheet iron eaves gutter before fixing	m	193	
---	---	---	-----	--

Prepare, touch up factory primer and apply one coat universal undercoat and two full coats high gloss enamel paint

7	On pressed steel door frames	m2	17	
---	------------------------------	----	----	--

8	On Mild steel window frames	m2	216	
---	-----------------------------	----	-----	--

9	On sashes and frames with burglar bars (both sides measured)	m2	216	
---	--	----	-----	--

Prepare and apply one coat zinc phosphate alkyd resin primer, one coat universal undercoat and two full coats high gloss enamel paint

10	On grille gates and screens (both sides measured on flat)	m2	30	
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Carried to Collection

R

Section No. 4

Bill No. 11

Paintwork

Refurbishment to Lehlasedi High school

	<u>Prepare and apply 1 undercoat and two top coats of approved roof paint</u>				
11	On existing roof sheeting 1 undercoat and 2 coats approved roof paint	m2	310		
	<u>ON WOOD</u>				
	<u>Paint on wood</u>				
	<u>Prepare, stop and apply three full coats polyurethane clear eggshell varnish, lightly sanded down between coats</u>				
12	On general surfaces of doors	m2	32		
	<u>Wood preservative</u>				
13	Two coats wood preservative applied hot on wrought exposed roof timbers	m2	15		
Carried to Collection					
Section No. 4					
Bill No. 11					
Paintwork					
Refurbishment to Lehlasedi High school					

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Section No. 4

Bill No. 11

Paintwork

COLLECTION

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Section No. 4

Bill No. 11

Paintwork

Refurbishment to Lehlasedi High school

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[illegible]

[illegible]

[illegible]

Section No. 5

Bill No. 3

Ironmongery

COLLECTION

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Section No. 5

Bill No. 3

Ironmongery

Refurbishment to Lehlasedi High school

Item No	Quantity	Rate	Amount
<u>BILL NO 4</u>			
<u>ROOF COVERINGS ETC</u>			
<u>PROFIED METAL SHEETING AND ACCESSORIES</u>			
<u>User note:</u>			
Supplementary preambles in connection with fixing of sheeting and accessories and laps are to be inserted when the Model Preambles for Trades (or other preambles not covering the fixing of sheeting and accessories and laps) are used			
When the pitch of troughed roof covering is less than 5 degrees or if dustproofing is required then the description of roof coverings "with side laps sealed" is to be used			
Where roof coverings are fixed on top of rigid board insulation to purlins etc descriptions of roof coverings are to include therefore			
Note that sheeting is also available in corten steel, stainless steel, copper and aluminium			
<u>0.6mm Thick light industrial "colomet"IBR profile steel roof sheeting pre painted fixed to timber purlins at approximately 750mm centres according to engineers detail</u>			
1	Roof covering with pitch not exceeding 25 degrees	m2	208
2	Ridge capping 1.2mm girth	m	15
3	Narrow and broad flute closers	m	
4	Head wall flashing 350mm girth	m	
5	Side wall flashing ?mm girth	m	
<u>ROOF AND WALL INSULATION</u>			
Carried to Collection			R
Section No. 5 Bill No. 4 Roof Cover Refurbishment to Lehlasedi High school			

6	<p><u>"Sisalation 410" housing grade glass fibre reinforced aluminium foil bonded insulation</u></p> <p>Insulation laid taut over rafters and fixed concurrent with tiling battens, purlins, etc</p>	m2	208		
	<p style="text-align: right;">Carried to Collection</p> <p>Section No. 5 Bill No. 4 Roof Cover Refurbishment to Lehlasedi High school</p>			R	

Section No. 5

Bill No. 4

Roof Cover

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Section No. 5

Bill No. 4

Roof Cover

Refurbishment to Lehlasedi High school

Item No	Quantity	Rate	Amount
<u>BILL NO 5</u>			
<u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u>			
<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>CEILINGS ETC</u>			
<u>NAILED UP CEILINGS</u>			
<u>6.4mm "Rhino" gypsum plasterboard with "Bischoff" H-type pressed steel jointing strips</u>			
1	Ceilings including 38 x 38mm sawn softwood bandering at 300mm centres	m2	218
2	Extra over gypsum plasterboard ceiling for hinged pressed metal trap door size 600 x 600mm including all necessary ironmongery	No	2
<u>Sawn Softwood</u>			
3	38 x 38mm Trimmers around light fittings (elsewhere)	m	
4	38 x 38mm Hangers	m	
5	38 x 76mm Runners	m	
6	38 x 114mm Ceiling joists	m	
Carried to Collection			R
Section No. 5 Bill No. 5 Ceilings Refurbishment to Lehlasedi High school			

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Section No. 5

Bill No. 5

Ceilings

COLLECTION

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Section No. 5

Bill No. 5

Ceilings

Refurbishment to Lehlasedi High school

Item No	Quantity	Rate	Amount
<u>BILL NO. 6</u> <u>PLASTERING</u> Unless otherwise stated all items in this bill shall be deemed to fall into Work Group No. 142 for JBCC CPAP purposes _____ <u>(3:1) Cement screeds to concrete</u> <u>33mm Thick</u>			
1	On floors to receive ceramic tiles (elsewhere)	m2	262
Carried Forward to Summary of Section No. 5			R
Section No. 5 Bill No. 6 Plastering Refurbishment to Lehlasedi High school			

Item No	Quantity	Rate	Amount
<u>BILL NO 7</u>			
<u>TILING</u>			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>Descriptions</u>			
Unless described as "fixed with adhesive to plaster (plaster elsewhere)" descriptions of tiling on brick or concrete walls, columns, etc shall be deemed to include 1:4 cement plaster backing and descriptions of tiling on concrete floors etc shall be deemed to include 1:3 plaster bedding			
<u>FLOOR TILING</u>			
<u>250 x 250 x 22mm Non-slip terrazzo floor tiles fixed with adhesive to bedding (bedding elsewhere) and flush pointed with tinted waterproof jointing compound</u>			
1	On floors and landings	m2	218
2	Skirting 75mm high	m	116
Carried Forward to Summary of Section No. 5			R
Section No. 5			
Bill No. 7			
Tiling			
Refurbishment to Lehlasedi High school			

Item No	Quantity	Rate	Amount
<u>BILL NO 8</u>			
<u>PLUMBING AND DRAINAGE</u>			
<u>(PROVISIONAL)</u>			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>"Polycop" polypropylene pipes:</u>			
Polypropylene pipes 54mm diameter and under shall be seamless copper coloured class 16 pipes jointed with "Fast-fuse" heat welded thermoplastic or brass compression fittings as designed for use with copper pipes as stated			
Pipes shall be firmly fixed to walls etc with coloured nylon snap-in pipe clips with provision for accommodating thermal movement and jointed and fixed strictly in accordance with the manufacturer's instructions			
All pipe diameters are nominal external			
<u>RAINWATER DISPOSAL</u>			
<u>Galvanised sheet iron</u>			
1	75 x 75mm Eaves gutters	m	59
2	Extra over eaves gutter for stopped end	No	8
3	Extra over eaves gutter for angle	No	12
4	Extra over eaves gutter for outlet for 75mm pipe	No	12
5	Extra over eaves gutter for outlet for 75 x 75mm pipe	No	12
6	75mm Diameter rainwater pipes	m	36
<u>SANITARY FITTINGS</u>			
Carried to Collection			R
Section No. 5 Bill No. 8 Plumbing and Drainage Refurbishment to Lehlasedi High school			

	<u>"Vaal"</u>				
7	530 x 430mm "Orbit" self-rimming drop-in vanity basin	No			
8	"Klip" low level wc suite comprising pan with double flap heavy duty plastic seat and matching 9 litre cistern with flush pipe	No			
9	"Protea Paraplegic" low level wc suite comprising pan with double flap heavy duty plastic seat and matching 9 litre cistern with flush pipe and purpose made CP side-flush lever	No			
10	415 x 315 x 275mm "Flatback" wall hung bowl urinal with spreader (flushing valve elsewhere)	No			
	<u>TRAPS</u>				
	<u>Traps, etc. including joints to steel pipes and/or fittings unless otherwise described</u>				
	<u>Butyl Rubber</u>				
11	32-40mm Butyl rubber deep seal P or S trap	No			
	<u>WASTE UNIONS</u>				
	<u>"Cobra Watertech"</u>				
12	32mm "301" Basin waste union	No			
	<u>"Cobra Watertech"</u>				
13	15mm "059CP" Extension piece with sliding wall flange	No			
	<u>Sanitary Plumbing</u>				
	<u>uPVC pipes and fittings</u>				
14	50mm Pipe fixed to walls,etc.	m			
	<u>Extra over uPVC pipes for fittings</u>				
15	50mm Reducer	No			
16	50mm Bend	No			
	Carried to Collection			R	
	Section No. 5				
	Bill No. 8				
	Plumbing and Drainage				
	Refurbishment to Lehlasedi High school				

Water Supply

Class O thin wall hard drawn copper pipes and fittings
with capillary soldered type connections

17	15mm Pipes	m			
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Extra over class O copper pipes for soldered capillary
fittings

18	15mm Fittings	No			
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Carried to Collection

Section No. 5

Bill No. 8

Plumbing and Drainage

Refurbishment to Lehlasedi High school

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Section No. 5

Bill No. 8

Plumbing and Drainage

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Section No. 5

Bill No. 8

Plumbing and Drainage

Refurbishment to Lehlasedi High school

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Item No	Quantity	Rate	Amount
<u>BILL NO 10</u>			
<u>PAINTWORK</u>			
<u>PREPARATORY WORK TO EXISTING WORK</u>			
<u>Previously painted plastered surfaces</u>			
Surfaces shall be thoroughly washed down and allowed to dry completely before any paint is applied. Blistered or peeling paint shall be completely removed and cracks shall be opened, filled with a suitable filler and finished smooth			
<u>Previously painted metal surfaces</u>			
Surfaces shall be thoroughly rubbed and cleaned down. Blistered or peeling paint shall be completely removed down to bare metal			
<u>Previously painted wood surfaces</u>			
Surfaces shall be thoroughly cleaned down. Blistered or peeling paint shall be completely removed and cracks and crevices shall be primed, filled with suitable filler and finished smooth			
<u>PAINTWORK ETC TO PREVIOUSLY PAINTED WORK</u>			
<u>ON FLOATED PLASTER</u>			
<u>Paint on plaster, etc.</u>			
<u>One undercoat and two coats "Plascon Double Velvet" or similar approved paint</u>			
1	On plastered internal walls	m2	46
2	On internal walls brick dressing to face brick work	m2	259
3	On External walls Face brick dressing	m2	271
Carried to Collection			R
Section No. 5 Bill No. 10 Paintwork Refurbishment to Lehlasedi High school			

ON PLASTER BOARD

Prepare, stop and apply one coat alkali resistant pure acrylic filler coat and one full coat washable mat acrylic PVA paint

4	On internal plastered board ceilings	m2	218		
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ON FIBRE-CEMENT

Prepare, stop and apply one coat alkali resistant primer and two full coats acrylic emulsion paint for exterior use

5	On external fibre-cement fascias and bargeboards including priming metal cover strips and screw heads with one coat zinc phosphate alkyd resin primer	m2	29		
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ON METAL

Paint on metal

Prepare and apply two coats bitumen paint

6	On inside of 100 x 125mm galvanised sheet iron eaves gutter before fixing	m	95		
---	---	---	----	--	--

Prepare, touch up factory primer and apply one coat universal undercoat and two full coats high gloss enamel paint

7	On pressed steel door frames	m2	7		
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8	On Mild steel window frames	m2	96		
---	-----------------------------	----	----	--	--

9	On sashes and frames with burglar bars (both sides measured)	m2	96		
---	--	----	----	--	--

Prepare and apply one coat zinc phosphate alkyd resin primer, one coat universal undercoat and two full coats high gloss enamel paint

10	On grille gates and screens (both sides measured on flat)	m2	13		
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Carried to Collection

R

Section No. 5

Bill No. 10

Paintwork

Refurbishment to Lehlasedi High school

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Section No. 5

Bill No. 10

Paintwork

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Section No. 5

Bill No. 10

Paintwork

Refurbishment to Lehlasedi High school

Bill No	SECTION SUMMARY - SECTION - 5 TWO CLASSROOM BLOCK	BLOCK F	Amount
1	Alterations	93	
2	Carpentry and Joinery	94	
3	Ironmongery	97	
4	Roof Cover	100	
5	Ceilings	103	
6	Plastering	104	
7	Tiling	105	
8	Plumbing and Drainage	109	
9	Glazing	110	
10	Paintwork	114	
Carried to Final Summary			R
Section No. 5 Refurbishment to Lehlasedi High school			

Refurbishment to Lehlasedi High school

Item No		Quantity	Rate	Amount
	BILL NO 2			
	CARPENTRY AND JOINERY			
	SUPPLEMENTARY PREAMBLES			
	ROOFS ETC			
	Sawn softwood			
1	76 x 50mm Purlins	m		
	"Everite FC77" pressed fibre-cement			
2	225 x 15mm Fascias and barge boards including galvanised steel H-profile jointing strips	m		
	SKIRTINGS			
3	19 x 75mm Skirting nailed	m		
	DOORS ETC			
	Wrought meranti doors hung to steel frames			
4	40mm Framed door 813 x 2032mm high Framed,ledged and braced batten door formed of 40 x 110mm stiles and top rail, 20 x 225mm bottom ledge, 20 x 150mm middle ledge and 20 x 110mm diagonal braces, filled in flush one side with 20 x 75mm tongued, grooved and v-jointed both sides vertical boarding fixed in and including grooves in stiles and top rail	No	2	
5	Take off and rehang WC doors to enable them to open to the outside	No	16	
	Carried Forward to Summary of Section No. 6		R	
	Section No. 6 Bill No. 2 Carpentry and joinery Refurbishment to Lehlasedi High school			

Item No	Quantity	Rate	Amount
<u>BILL NO 3</u>			
<u>PLUMBING AND DRAINAGE</u>			
<u>(PROVISIONAL)</u>			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>"Polycop" polypropylene pipes:</u>			
Polypropylene pipes 54mm diameter and under shall be seamless copper coloured class 16 pipes jointed with "Fast-fuse" heat welded thermoplastic or brass compression fittings as designed for use with copper pipes as stated			
Pipes shall be firmly fixed to walls etc with coloured nylon snap-in pipe clips with provision for accommodating thermal movement and jointed and fixed strictly in accordance with the manufacturer's instructions			
All pipe diameters are nominal external			
<u>SANITARY FITTINGS</u>			
<u>"Vaal"</u>			
1	530 x 430mm wall hung type whb with one taphole	No	2
2	"Klip" low level wc suite comprising pan with double flap heavy duty plastic seat and matching 9 litre cistern with flush pipe	No	
3	Chrome plated shower arm and head fixed to walls	No	2
4	415 x 315 x 275mm "Flatback" wall hung bowl urinal with spreader (flushing valve elsewhere)	No	
<u>TRAPS</u>			
<u>Traps, etc. including joints to steel pipes and/or fittings unless otherwise described</u>			
Carried to Collection			R
Section No. 6 Bill No. 3 Plumbing and Drainage Refurbishment to Lehlasedi High school			

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	<u>Prepare, stop and apply one coat alkali resistant pure acrylic filler coat and one full coat washable mat acrylic PVA paint</u>				
3	On internal plastered board ceilings	m2			
	<u>ON FIBRE-CEMENT</u>				
	<u>Prepare, stop and apply one coat alkali resistant primer and two full coats acrylic emulsion paint for exterior use</u>				
4	On external fibre-cement fascias and bargeboards including priming metal cover strips and screw heads with one coat zinc phosphate alkyd resin primer	m2	22		
	<u>ON METAL</u>				
	<u>Paint on metal</u>				
	<u>Prepare and apply two coats bitumen paint</u>				
5	On inside of 100 x 125mm galvanised sheet iron eaves gutter before fixing	m			
	<u>Prepare, touch up factory primer and apply one coat universal undercoat and two full coats high gloss enamel paint</u>				
6	On pressed steel door frames	m2	33		
7	On Mild steel window frames	m2	12		
8	On sashes and frames with burglar bars (both sides measured)	m2			
	<u>Prepare and apply one coat zinc phosphate alkyd resin primer, one coat universal undercoat and two full coats high gloss enamel paint</u>				
9	On grille gates and screens (both sides measured on flat)	m2	7		
	<u>ON WOOD</u>				
	<u>Paint on wood</u>				
Carried to Collection					R
Section No. 6					
Bill No. 5					
Paintwork					
Refurbishment to Lehlasedi High school					

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[illegible]

Bill No	SECTION SUMMARY - SECTION - 6 BOYS AND GIRLS ABLUTIONS	Page No	Amount
1	Alterations	116	
2	Carpentary and joinery	117	
3	Plumbing and Drainage	120	
4	Glazing	121	
5	Paintwork	125	
			R

Carried to Final Summary

Section No. 6

Refurbishment to Lehlasedi High school

[illegible]

Item No		Quantity	Rate	Amount
	BILL NO 2			
	IRONMONGERY			
	SUPPLEMENTARY PREAMBLES			
	Finishes to ironmongery			
	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			
	LOCKS			
1	75mm four lever lockset with striking plate fixed to metal	No		
	HANDLES			
	"Union"			
2	63mm Brass pull handle	No		
	BATHROOM FITTINGS			
	"Kimberley-Clark"			
3	75mm Diameter chromium plated towel rail ?mm long including end brackets	No		
4	Lockable toilet roll holder plugged	No		
	PINNING BOARDS, WRITING BOARDS, PROJECTION SCREENS, ETC			
	Carried to Collection		R	
	Section No. 7 Bill No. 2 Ironmongery Refurbishment to Lehlasedi High school			

"Parrot products"

5 "BD0476" 2 400 x 1 200mm Aluminium framed carpet bulletin board

No

WINDOW FURNITURE ALLOWANCE

6 Allow a provisional sum of R 5000-00 for missing , broken window furniture

SUM

Carried to Collection

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Section No. 7

Bill No. 2

Ironmongery

Refurbishment to Lehlasedi High school

[illegible]

Item No	Quantity	Rate	Amount
<u>BILL NO 3</u>			
<u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u>			
<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>CEILINGS ETC</u>			
<u>NAILED UP CEILINGS</u>			
<u>6.4mm "Rhino" gypsum plasterboard with "Bischoff" H-type pressed steel jointing strips</u>			
1	Ceilings including 38 x 38mm sawn softwood bandering at 300mm centres	m2	209
2	Extra over gypsum plasterboard ceiling for hinged pressed metal trap door size 600 x 600mm including all necessary ironmongery	No	1
<u>Sawn Softwood</u>			
3	38 x 38mm Trimmers around light fittings (elsewhere)	m	
4	38 x 38mm Hangers	m	
5	38 x 76mm Runners	m	
6	38 x 114mm Ceiling joists	m	
Carried to Collection			R
Section No. 7 Bill No. 3 Ceilings Refurbishment to Lehlasedi High school			

[illegible]

[illegible]

Item No	Quantity	Rate	Amount
<u>BILL NO. 4</u> <u>PLASTERING</u> Unless otherwise stated all items in this bill shall be deemed to fall into Work Group No. 142 for JBCC CPAP purposes _____ <u>(3:1) Cement screeds to concrete</u> <u>33mm Thick</u>			
1	On floors to receive ceramic tiles (elsewhere)	m2	209
Carried Forward to Summary of Section No. 7			R
Section No. 7 Bill No. 4 Plastering Refurbishment to Lehlasedi High school			

Refurbishment to Lehlasedi High school

Item No		Quantity	Rate	Amount
	<u>BILL NO 6</u>			
	<u>GLAZING</u>			
	<u>GLAZING TO STEEL WITH PUTTY</u>			
	<u>6mm Clear float glass</u>			
1	Panes not exceeding 0,1 m2	m2	4	
Carried Forward to Summary of Section No. 7				R
Section No. 7				
Bill No. 6				
Glazing				
Refurbishment to Lehlasedi High school				

Item No	Quantity	Rate	Amount
<u>BILL NO 7</u>			
<u>PAINTWORK</u>			
<u>PREPARATORY WORK TO EXISTING WORK</u>			
<u>Previously painted plastered surfaces</u>			
Surfaces shall be thoroughly washed down and allowed to dry completely before any paint is applied. Blistered or peeling paint shall be completely removed and cracks shall be opened, filled with a suitable filler and finished smooth			
<u>Previously painted metal surfaces</u>			
Surfaces shall be thoroughly rubbed and cleaned down. Blistered or peeling paint shall be completely removed down to bare metal			
<u>Previously painted wood surfaces</u>			
Surfaces shall be thoroughly cleaned down. Blistered or peeling paint shall be completely removed and cracks and crevices shall be primed, filled with suitable filler and finished smooth			
<u>PAINTWORK ETC TO PREVIOUSLY PAINTED WORK</u>			
<u>ON FLOATED PLASTER</u>			
<u>Paint on plaster, etc.</u>			
<u>One undercoat and two coats "Plascon Double Velvet" or similar approved paint</u>			
1	On internal plastered walls	m2	274
2	On External walls Face brick dressing	m2	
<u>ON PLASTER BOARD</u>			
Carried to Collection			R
Section No. 7 Bill No. 7 Paintwork Refurbishment to Lehlasedi High school			

	<u>Prepare, stop and apply one coat alkali resistant pure acrylic filler coat and one full coat washable mat acrylic PVA paint</u>				
3	On internal plastered board ceilings	m2	209		
	<u>ON FIBRE-CEMENT</u>				
	<u>Prepare, stop and apply one coat alkali resistant primer and two full coats acrylic emulsion paint for exterior use</u>				
4	On external fibre-cement fascias and bargeboards including priming metal cover strips and screw heads with one coat zinc phosphate alkyd resin primer	m2			
	<u>ON METAL</u>				
	<u>Paint on metal</u>				
	<u>Prepare and apply two coats bitumen paint</u>				
5	On inside of 100 x 125mm galvanised sheet iron eaves gutter before fixing	m			
	<u>Prepare, touch up factory primer and apply one coat universal undercoat and two full coats high gloss enamel paint</u>				
6	On pressed steel door frames	m2			
7	On Mild steel window frames	m2			
8	On sashes and frames with burglar bars (both sides measured)	m2			
	<u>Prepare and apply one coat zinc phosphate alkyd resin primer, one coat universal undercoat and two full coats high gloss enamel paint</u>				
9	On grille gates and screens (both sides measured on flat)	m2			
	<u>ON WOOD</u>				
	<u>Paint on wood</u>				

[illegible]

Section No. 7

Bill No. 7

Paintwork

COLLECTION

Total Brought Forward from Page No.

**Page
No**

137

138

139

Amount

Carried Forward to Summary of Section No. 7

R

Section No. 7

Bill No. 7

Paintwork

Refurbishment to Lehlasedi High school

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Item No		Quantity	Rate	Amount
	<u>BILL NO 2</u>			
	<u>CARPENTRY AND JOINERY</u>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>ROOFS ETC</u>			
	<u>Sawn softwood</u>			
1	76 x 50mm Purlins	m		
	<u>"Everite FC77" pressed fibre-cement</u>			
2	225 x 15mm Fascias and barge boards including galvanised steel H-profile jointing strips	m	42	
	<u>SKIRTINGS</u>			
3	19 x 75mm Skirting nailed	m		
	<u>DOORS ETC</u>			
	<u>Wrought meranti doors hung to steel frames</u>			
4	40mm Framed door 813 x 2032mm high Framed,ledged and braced batten door formed of 40 x 110mm stiles and top rail, 20 x 225mm bottom ledge, 20 x 150mm middle ledge and 20 x 110mm diagonal braces, filled in flush one side with 20 x 75mm tongued, grooved and v-jointed both sides vertical boarding fixed in and including grooves in stiles and top rail	No		
	Carried Forward to Summary of Section No. 8		R	
	Section No. 8			
	Bill No. 2			
	Carpentry and Joinery			
	Refurbishment to Lehlasedi High school			

Item No	Quantity	Rate	Amount
<u>BILL NO 3</u>			
<u>ROOF COVERINGS ETC</u>			
<u>PROFIED METAL SHEETING AND ACCESSORIES</u>			
<u>User note:</u>			
Supplementary preambles in connection with fixing of sheeting and accessories and laps are to be inserted when the Model Preambles for Trades (or other preambles not covering the fixing of sheeting and accessories and laps) are used			
When the pitch of troughed roof covering is less than 5 degrees or if dustproofing is required then the description of roof coverings "with side laps sealed" is to be used			
Where roof coverings are fixed on top of rigid board insulation to purlins etc descriptions of roof coverings are to include therefore			
Note that sheeting is also available in corten steel, stainless steel, copper and aluminium			
<u>0.6mm Thick light industrial "colomet"IBR profile steel roof sheeting pre painted fixed to timber purlins at approximately 750mm centres according to engineers detail</u>			
1	Roof covering with pitch not exceeding 25 degrees	m2	110
2	Ridge capping 1.2mm girth	m	11
3	Narrow and broad flute closers	m	
4	Head wall flashing 350mm girth	m	
5	Side wall flashing ?mm girth	m	
<u>ROOF AND WALL INSULATION</u>			
Carried to Collection			R
Section No. 8			
Bill No. 3			
Roof Cover			
Refurbishment to Lehlasedi High school			

	<p><u>"Sisalation 410" housing grade glass fibre reinforced aluminium foil bonded insulation</u></p>			
6	Insulation laid taut over rafters and fixed concurrent with tiling battens, purlins, etc	m2	110	
	Carried to Collection			R
	Section No. 8 Bill No. 3 Roof Cover Refurbishment to Lehlasedi High school			

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[illegible]

"Parrot products"

5 "BD0476" 2 400 x 1 200mm Aluminium framed carpet bulletin board

No

WINDOW FURNITURE ALLOWANCE

6 Allow a provisional sum of R 5000-00 for missing , broken window furniture

SUM

Carried to Collection

R

Section No. 8

Bill No. 4

Ironmongery

Refurbishment to Lehlasedi High school

Section No. 8

Bill No. 4

Ironmongery

COLLECTION

Total Brought Forward from Page No.

**Page
No**

147

148

Amount

Carried Forward to Summary of Section No. 8

R

Section No. 8

Bill No. 4

Ironmongery

Refurbishment to Lehlasedi High school

Item No	Quantity	Rate	Amount
<u>BILL NO 5</u>			
<u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u>			
<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>CEILINGS ETC</u>			
<u>NAILED UP CEILINGS</u>			
<u>6.4mm "Rhino" gypsum plasterboard with "Bischoff" H-type pressed steel jointing strips</u>			
1	Ceilings including 38 x 38mm sawn softwood bandering at 300mm centres	m2	74
2	Extra over gypsum plasterboard ceiling for hinged pressed metal trap door size 600 x 600mm including all necessary ironmongery	No	1
<u>Sawn Softwood</u>			
3	38 x 38mm Trimmers around light fittings (elsewhere)	m	
4	38 x 38mm Hangers	m	
5	38 x 76mm Runners	m	
6	38 x 114mm Ceiling joists	m	
Carried to Collection			R
Section No. 8 Bill No. 5 Ceilings Refurbishment to Lehlasedi High school			

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Item No	Quantity	Rate	Amount
<u>BILL NO. 6</u> <u>PLASTERING</u> Unless otherwise stated all items in this bill shall be deemed to fall into Work Group No. 142 for JBCC CPAP purposes _____ <u>(3:1) Cement screeds to concrete</u> <u>33mm Thick</u>			
1	On floors to receive ceramic tiles (elsewhere)	m2	74
Carried Forward to Summary of Section No. 8			R
Section No. 8 Bill No. 6 Plastering Refurbishment to Lehlasedi High school			

Item No	Quantity	Rate	Amount
<u>BILL NO 7</u>			
<u>TILING</u>			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>Descriptions</u>			
Unless described as "fixed with adhesive to plaster (plaster elsewhere)" descriptions of tiling on brick or concrete walls, columns, etc shall be deemed to include 1:4 cement plaster backing and descriptions of tiling on concrete floors etc shall be deemed to include 1:3 plaster bedding			
<u>FLOOR TILING</u>			
<u>250 x 250 x 22mm Non-slip terrazzo floor tiles fixed with adhesive to bedding (bedding elsewhere) and flush pointed with tinted waterproof jointing compound</u>			
1	On floors and landings	m2	209
2	Skirting 75mm high	m	117
Carried Forward to Summary of Section No. 8			R
Section No. 8			
Bill No. 7			
Tiling			
Refurbishment to Lehlasedi High school			

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	<u>Prepare, stop and apply one coat alkali resistant pure acrylic filler coat and one full coat washable mat acrylic PVA paint</u>				
3	On internal plastered board ceilings	m2	74		
	<u>ON FIBRE-CEMENT</u>				
	<u>Prepare, stop and apply one coat alkali resistant primer and two full coats acrylic emulsion paint for exterior use</u>				
4	On external fibre-cement fascias and bargeboards including priming metal cover strips and screw heads with one coat zinc phosphate alkyd resin primer	m2	22		
	<u>ON METAL</u>				
	<u>Paint on metal</u>				
	<u>Prepare and apply two coats bitumen paint</u>				
5	On inside of 100 x 125mm galvanised sheet iron eaves gutter before fixing	m			
	<u>Prepare, touch up factory primer and apply one coat universal undercoat and two full coats high gloss enamel paint</u>				
6	On pressed steel door frames	m2			
7	On Mild steel window frames	m2			
8	On sashes and frames with burglar bars (both sides measured)	m2			
	<u>Prepare and apply one coat zinc phosphate alkyd resin primer, one coat universal undercoat and two full coats high gloss enamel paint</u>				
9	On grille gates and screens (both sides measured on flat)	m2			
	<u>ON WOOD</u>				
	<u>Paint on wood</u>				
Carried to Collection				R	
Section No. 8					
Bill No. 9					
Paintwork					
Refurbishment to Lehlasedi High school					

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Bill No	SECTION SUMMARY - SECTION 8 MINI HALL CLASSROOM BLOCK E	Page No	Amount
1	Alterations	142	
2	Carpentary and Joinery	143	
3	Roof Cover	146	
4	Ironmongery	149	
5	Ceilings	152	
6	Plastering	153	
7	Tiling	154	
8	Glazing	155	
9	Paintwork	159	
Carried to Final Summary			R
Section No. 8 Refurbishment to Lehlasedi High school			

Item No		Quantity	Rate	Amount
	BILL NO 1			
	<u>ALTERATIONS</u>			
	<u>Taking down and removing roof sheets and purlins, floors, panelling, ceilings, partitions, etc</u>			
	<u>Take out and removal of existing plumbing fittings and associated pipework</u>			
1	Take out and remove existing water closets	No		
2	Take out existing wash hand basins and remove	No		
3	Take out and remove existing urinals	No		
4	Take out and remove existing shower arm and head	No		
5	Removal of existing fascias and brageboards	m		
6	Gypsum plasterboard ceilings including cornices, timber bandering, etc	m2		
	<u>Hacking up/off and removing ceramic tile floor and wall finishes including removing mortar bed or backing and preparing concrete or brick surfaces for new screed, plaster or tile finishes</u>			
7	250 x 250mm Tiles to floors	m2	179	
	<u>Hacking up/off and removing granolithic, screeds, plaster, etc from concrete or brickwork and preparing surfaces for new screeds, plaster, etc</u>			
8	Screed from floors	m2	179	
	<u>Taking out and removing glass and mirrors</u>			
9	Glass from steel windows including cleaning out rebates and preparing for new glass	m2	8	
	Carried Forward to Summary of Section No. 9		R	
	Section No. 9 Bill No. 1 Alterations Refurbishment to Lehlasedi High school			

Item No		Quantity	Rate	Amount
	BILL NO 2			
	CARPENTRY AND JOINERY			
	SUPPLEMENTARY PREAMBLES			
	ROOFS ETC			
	Sawn softwood			
1	76 x 50mm Purlins	m		
	"Everite FC77" pressed fibre-cement			
2	225 x 15mm Fascias and barge boards including galvanised steel H-profile jointing strips	m	77	
	SKIRTINGS			
3	19 x 75mm Skirting nailed	m		
	DOORS ETC			
	Wrought meranti doors hung to steel frames			
4	40mm Framed door 813 x 2032mm high Framed,ledged and braced batten door formed of 40 x 110mm stiles and top rail, 20 x 225mm bottom ledge, 20 x 150mm middle ledge and 20 x 110mm diagonal braces, filled in flush one side with 20 x 75mm tongued, grooved and v-jointed both sides vertical boarding fixed in and including grooves in stiles and top rail	No	4	
	Carried Forward to Summary of Section No. 9		R	
	Section No. 9 Bill No. 2 Carpentry and Joinery Refurbishment to Lehlasedi High school			

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[illegible]

Item No	Quantity	Rate	Amount
<u>BILL NO 4</u>			
<u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u>			
<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>CEILINGS ETC</u>			
<u>NAILED UP CEILINGS</u>			
<u>6.4mm "Rhino" gypsum plasterboard with "Bischoff" H-type pressed steel jointing strips</u>			
1	Ceilings including 38 x 38mm sawn softwood bandering at 300mm centres	m2	179
2	Extra over gypsum plasterboard ceiling for hinged pressed metal trap door size 600 x 600mm including all necessary ironmongery	No	1
<u>Sawn Softwood</u>			
3	38 x 38mm Trimmers around light fittings (elsewhere)	m	
4	38 x 38mm Hangers	m	
5	38 x 76mm Runners	m	
6	38 x 114mm Ceiling joists	m	
Carried to Collection			R
Section No. 9 Bill No. 4 Ceilings Refurbishment to Lehlasedi High school			

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Item No	Quantity	Rate	Amount
<u>BILL NO. 5</u> <u>PLASTERING</u> Unless otherwise stated all items in this bill shall be deemed to fall into Work Group No. 142 for JBCC CPAP purposes <u>(3:1) Cement screeds to concrete</u> <u>33mm Thick</u>			
1	On floors to receive ceramic tiles (elsewhere)	m2	179
Carried Forward to Summary of Section No. 9			R
Section No. 9 Bill No. 5 Plastering Refurbishment to Lehlasedi High school			

Item No	Quantity	Rate	Amount
<u>BILL NO 6</u>			
<u>TILING</u>			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>Descriptions</u>			
Unless described as "fixed with adhesive to plaster (plaster elsewhere)" descriptions of tiling on brick or concrete walls, columns, etc shall be deemed to include 1:4 cement plaster backing and descriptions of tiling on concrete floors etc shall be deemed to include 1:3 plaster bedding			
<u>FLOOR TILING</u>			
<u>250 x 250 x 22mm Non-slip terrazzo floor tiles fixed with adhesive to bedding (bedding elsewhere) and flush pointed with tinted waterproof jointing compound</u>			
1	On floors and landings	m2	179
2	Skirting 75mm high	m	107
Carried Forward to Summary of Section No. 9			R
Section No. 9			
Bill No. 6			
Tiling			
Refurbishment to Lehlasedi High school			

[illegible]

Item No	Quantity	Rate	Amount
<u>BILL NO 8</u>			
<u>PAINTWORK</u>			
<u>PREPARATORY WORK TO EXISTING WORK</u>			
<u>Previously painted plastered surfaces</u>			
Surfaces shall be thoroughly washed down and allowed to dry completely before any paint is applied. Blistered or peeling paint shall be completely removed and cracks shall be opened, filled with a suitable filler and finished smooth			
<u>Previously painted metal surfaces</u>			
Surfaces shall be thoroughly rubbed and cleaned down. Blistered or peeling paint shall be completely removed down to bare metal			
<u>Previously painted wood surfaces</u>			
Surfaces shall be thoroughly cleaned down. Blistered or peeling paint shall be completely removed and cracks and crevices shall be primed, filled with suitable filler and finished smooth			
<u>PAINTWORK ETC TO PREVIOUSLY PAINTED WORK</u>			
<u>ON FLOATED PLASTER</u>			
<u>Paint on plaster, etc.</u>			
<u>One undercoat and two coats "Plascon Double Velvet" or similar approved paint</u>			
1	On internal plastered walls	m2	234
2	On External plastered walls	m2	163
<u>ON PLASTER BOARD</u>			
Carried to Collection			R
Section No. 9 Bill No. 8 Paintwork Refurbishment to Lehlasedi High school			

	<u>Prepare, stop and apply one coat alkali resistant pure acrylic filler coat and one full coat washable mat acrylic PVA paint</u>				
3	On internal plastered board ceilings	m2	179		
	<u>ON FIBRE-CEMENT</u>				
	<u>Prepare, stop and apply one coat alkali resistant primer and two full coats acrylic emulsion paint for exterior use</u>				
4	On external fibre-cement fascias and bargeboards including priming metal cover strips and screw heads with one coat zinc phosphate alkyd resin primer	m2	40		
	<u>ON METAL</u>				
	<u>Paint on metal</u>				
	<u>Prepare and apply two coats bitumen paint</u>				
5	On inside of 100 x 125mm galvanised sheet iron eaves gutter before fixing	m			
	<u>Prepare, touch up factory primer and apply one coat universal undercoat and two full coats high gloss enamel paint</u>				
6	On pressed steel door frames	m2	7		
7	On Mild steel window frames	m2	75		
8	On sashes and frames with burglar bars (both sides measured)	m2	75		
	<u>Prepare and apply one coat zinc phosphate alkyd resin primer, one coat universal undercoat and two full coats high gloss enamel paint</u>				
9	On grille gates and screens (both sides measured on flat)	m2	13		
	<u>Prepare and apply one coat under coat and two coats approved roof paint</u>				
10	Apply one undercoat and two coats approved roof paint	m2	302		
Carried to Collection				R	
Section No. 9 Bill No. 8 Paintwork Refurbishment to Lehlasedi High school					

ON WOOD

Paint on wood

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

11	On general surfaces of doors	m2	14	
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Wood preservative

12	Two coats wood preservative applied hot on wrought exposed roof timbers	m2	9	
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Carried to Collection

R

Section No. 9

Bill No. 8

Paintwork

Refurbishment to Lehlasedi High school

[illegible]

Bill No	SECTION SUMMARY - SECTION 9 THREE CLASSROOM BLOCK	BLOCK K	Amount
1	Alterations	161	
2	Carpentary and Joinery	162	
3	Ironmongery	165	
4	Ceilings	168	
5	Plastering	169	
6	Tiling	170	
7	Glazing	171	
8	Paintwork	175	
Carried to Final Summary			
Section No. 9 Refurbishment to Lehlasedi High school			

[illegible]

FINAL SUMMARY			Page No	Amount
1	SECTION 1 - PRELIMINARIES	29		
2	SECTION -2 FOUR CLASSROOMS BLOCK C - 2 CLASSROOM INTERNAL RENOVATIONS	45		
3	SECTION 3- FOUR CLASSROOMS BLOCK , BLOCKS D AND L 2 NO	68		
4	SECTION 4- THREE CLASSROOM BLOCK , BLOCKS G, H, AND J -3 NO	92		
5	SECTION - 5 TWO CLASSROOM BLOCK - BLOCK F & I - 2 NO	115		
6	SECTION - 6 BOYS AND GIRLS ABLUTIONS	126		
7	SECTION 7 BLOCK A 3 CLASSROOM BLOCK PLUS STORE	141		
8	SECTION 8 MINI HALL CLASSROOM BLOCK E	160		
9	SECTION 9 THREE CLASSROOM BLOCK BLOCK K	176		
10	SECTION - 10 PROVISIONAL SUMS	177		
	Electrical Installation from part B of the BoQ		R	384 755.00
	SUB-TOTAL (Excluding Contingencies and Value Added Tax)		R	
	Allow 2.5% of Sub-Total for Contingencies to be used as directed by the Principal Agent and deducted in whole or in part if not required		R	
	Allow the sum of R 45 000 (Sixty Thousand Rand) for CLO		R	45 000.00
	SUB-TOTAL including Value Added Tax (VAT)		R	
	ADD: Value Added Tax (VAT) calculated at the rate of 15%		R	
	Carried to Form of Tender		R	
	Refurbishment to Lehlasedi High school			