

Item	Unit	Quantity	Rate	Amount
<b><u>BILL NO. 1</u></b> <b><u>PRELIMINARIES</u></b>				
<b><u>BASIS OF THE CONTRACT</u></b> <p>The basis of the contract shall be the 'contract documents' as defined in the JBCC Series 2000 Principal Building Agreement, incorporating the following:</p> <p>(i) The drawings and Bills of Quantities</p> <p>(ii) The JBCC Series 2000 Edition 4.1 March 2005</p> <p>(iii) The JBCC Series 2000 Edition 4.1 March 2005 of the Principal Building Agreement as prepared by the Joint Building Contracts Committee and recommended by the JBCC Constituents.</p> <p>(iv) The JBCC Series 2000 3rd Edition January 2003 of the Preliminaries for use with the Principal Building Agreement prepared by the Joint Building Contracts Committee and recommended by the JBCC Constituents.</p> <p>(v) The Model Preambles for Trades (2017 Edition) as recommended and published by the Association of South African Quantity Surveyors.</p> <p>Tenderers are referred to the above-mentioned documents for the full intent and meaning of each clause thereof, for which such allowance shall be made as may be considered necessary.</p> <p>Where standard clauses or alternatives are not applicable to this contract, such modifications, corrections or supplements as will apply are given under each relevant clause heading.</p>				
Carried to Collection			R	
Bill No. 1 Preliminaries				

Item	Unit	Quantity	Rate	Amount
Where any item is not relevant to this specific contract, such item is marked 'Not Applicable'.				
<b><u>Tenderers are to note that should any items, clauses or descriptions in the Preliminaries Bill be contradictory to any of the same in DBSA volumes 1, 2 &amp; 3 of this tender document, DBSA items, clauses or descriptions shall supersede those in the Preliminaries Bill.</u></b>				
<b><u>SECTION A: PRINCIPAL BUILDING AGREEMENT</u></b>				
1	Definitions and interpretation as clause 1.	Item		
2	Offer acceptance and performance as clause 2.	Item		
3	Documents as clause 3.	Item		
4	Design responsibility as clause 4.	Item		
5	Employer's agents as clause 5.	Item		
6	Site representative as clause 6.	Item		
7	Compliance with regulations as clause 7.	Item		
8	Works risk as clause 8.	Item		
9	Indemnities as clause 9.	Item		
10	Works insurances as clause 10.	Item		
11	Liability insurances as clause 11.	Item		
12	Effecting insurances as clause 12.	Item		
13	Clause 13 - No Clause.	Item		N/A
14	Security as clause 14. (Tenderers are to refer to Clause C1.3 Guarantees of Volume 3 of 3 of the tender document)			
Should the Contractor select a variable or fixed construction guarantee:				
(i) The construction guarantee shall be the Construction Guarantee recommended by the Joint Building Contracts Committee.				
(ii) The construction guarantee shall be obtained from an approved commercial bank.				
(iii) The guarantor shall be provided with a copy of the preliminaries to these bills of quantities to enable him to appraise himself of any and all amendments to the standard documentation.				
Carried to Collection			R	
Bill No. 1 Preliminaries				

Item		Unit	Quantity	Rate	Amount
	(iv) The following shall be deemed to be included as clause 14.9: The construction guarantee shall be accompanied by a signing power of authority issued on the guarantor's letterhead. In addition the construction guarantee document shall be stamped with the guarantor's official stamp.				
		Item			
15	Preparation for and execution of the works as clause 15.	Item			
16	Access to the works as clause 16.	Item			
17	Contract instructions as clause 17.	Item			
18	Setting out of the works as clause 18.	Item			
19	Assignment as clause 19.	Item			
20	Nominated sub-contractors as clause 20.	Item			
21	Selected sub-contractors as clause 21.				
	The following Sub-contracts will be selected:				
	The successful sub-contract tenderer/s will be appointed as selected sub-contractor/s.	Item			
22	Employers Direct contractors as clause 22 refers.				
	Clause C15 refers	Item			
23	Contractors Domestic sub-contractors as clause 23.	Item			
24	Practical completion as clause 24.	Item			
25	Works completion as clause 25.	Item			
26	Final completion as clause 26.	Item			
27	Latent defects liability period as clause 27.	Item			
28	Sectional completion as clause 28.	Item			
29	Revision of date for practical completion as clause 29.				
	The following shall be deemed to be included as clause 29.1.7:- "Failure to give possession of the site to the contractor on the date stated in the schedule."	Item			
30	Penalty for non-completion as clause 30.	Item			
31	Interim payment to the contractor as clause 31.				
	<b>Tax invoice:</b>				
	The contractor shall attach a tax invoice as prescribed in the Value Added Tax legislation to each payment certificate when presenting the certificate to the employer for payment. Such tax invoices shall correctly reflect the prescribed information				
	Carried to Collection			R	
	Bill No. 1				
	Preliminaries				

Item		Unit	Quantity	Rate	Amount
	<p>and the amounts shall match precisely the amounts included in the payment certificate. Should the contractor fail to comply with these requirements, the date of presentation of the certificate shall be deemed to be delayed at the contractor's default until such time as the requirements are met.</p> <p><b>Materials on site and off site:</b></p> <p>Before receiving payment for unfixed materials on site the Contractor will be required in addition to the provisions of Clause 31.6 of the Principal Building Contract to complete to the satisfaction of the Principal Agent and submit with each application for interim payment, the "Application for advance in respect of Materials on Site", and the "Cessions of Rights" (Annexes A and B) which are attached at the back of these Bills of Quantities.</p> <p>Should the contractor request that payment for materials stored off site be included in a payment certificate, he shall give the quantity surveyor notice of his intention to do so and shall comply in all respects with clause 31.6 not later than 3 working days prior to the latest day of the month for submission of valuation by the contractor as defined in clause 41.5.3</p> <p><b>Interim Payment to the Contractor:</b></p> <p>Clause 31.1 replace the word "shall" in the first line thereof with the word "may".</p> <p>Clause 31.13.2 regarding notifications to each sub-contractor shall be deemed to be deleted.</p> <p>Clause 31.13.3 regarding statement of all adjustment amounts shall be deemed to be deleted.</p>				
32	<p>Adjustment to the contract value as clause 32.</p> <p>Notwithstanding the provisions of Clause 32.13 or any other clause, no adjustment to the Contract Sum will be made in terms of the Contract Price adjustment provisions or any other fluctuation provisions and all such costs shall be for the account of the Contractor.</p> <p>Where the value of additional work cannot be valued in terms of clause 32.2.1 and 32.2.2 such work shall be priced "net" plus the tendered "mark up" thereon.</p>	Item			
33	<p>Recovery of expense and loss as clause 33.</p> <p><b>Recovery statement:</b></p> <p>The first sentence of Clause 33.1 shall be deemed to be replaced with "The principal agent may issue a recovery statement to the employer and contractor simultaneously with the payment certificate.</p>	Item			
34	Final account and final payment as clause 34.	Item			
35	Payment to other parties as clause 35.	Item			
	Carried to Collection			R	
	Bill No. 1				
	Preliminaries				

5

Item	Unit	Quantity	Rate	Amount
<p>Intended date of practical completion and the penalty per calendar day for: N/A.</p> <p>The Law applicable to this agreement shall be that of South Africa.</p> <p><b><u>INSURANCES</u></b></p> <p>Contract works insurance to be effected by: Contractor</p> <p>For the sum of: Contract sum plus 10%</p> <p>With deductible of : Not applicable</p> <p>Supplementary insurance is required: Yes</p> <p>Public liability insurance to be effected by : Contractor</p> <p>For the sum of: R 10 000 000,00</p> <p>With deductible of : Not applicable</p> <p>Support Insurance: Not Applicable.</p> <p><b><u>DOCUMENTS</u></b></p> <p>Waiver of the contractor's lien or right of continuing possession is required: Yes.</p> <p>Construction document copies to be supplied to the contractor free of charge: One (1).</p> <p>Bills of quantities/lump sum document/schedule of rates drawn up in accordance with: The Standard System of Measuring Building Work 1999 Sixth Edition (revised) as recommended by the ASAQS.</p> <p>On acceptance of the tender the bills of quantities/lump sum document is to be submitted within working days: 10 (Ten).</p> <p>JBCC Engineering General Conditions are to be included in the contract documents: No.</p> <p>The contract value is to be adjusted using escalation adjustment indices: Refer to Clause 42.4.6 of Volume 3 of 3 of tender document.</p> <p>The contractor shall take the risk of all variations in all costs in respect of labour, materials, plant, fuel, freight, transportation and railage charges, taxes (save for VAT), customs or other duties, fees and charges.</p>				
Carried to Collection			R	
Bill No. 1				
Preliminaries				

Item		Unit	Quantity	Rate	Amount
	<p>The contractor shall take the risk of all fluctuations in the rates of exchange of the rand or any other currency.</p> <p>Details of changes made to the provisions of JBCC standard documentation: Any changes are indicated herein against the relevant item numbers.</p> <p><b><u>SECTION B: PRELIMINARIES</u></b></p>				
43	Definitions and interpretation as clause 1.	Item			
44	Documents as clause 2.				
	The bills of quantities shall be priced, extended and totalled in ink.	Item			
45	The site as clause 3.	Item			
46	Management of contract as clause 4.				
	<p>The successful Tenderer shall provide, at the first site meeting, a computer generated critical path programme for each section of the project. The programme shall be prepared in sufficient detail to enable the Principal Agent to assess the weekly progress of the Works. The programme must clearly indicate the lead times for procurement and off-site manufacture where appropriate and key dates for information required and for the appointment of nominated and selected sub-contractors. The programme and level of detail shall be to the entire satisfaction of the Principal Agent. The programme shall allow a period of 10 <b>(ten) working days for time lost due to inclement weather.</b></p>	Item			
47	Samples and shop drawings as clause 5.				
	<p>Materials described to be in compliance with an SABS or B.S. Specification shall bear the SABS or B.S. Certification mark. Should such mark-bearing materials not be available, the Principal Agent may, at his discretion, allow other brands of materials to be used provided that they comply with the latest SABS or B.S. Specifications and should the Principal Agent require proof of such compliance, the contractor shall produce such proof at his own expense.</p>	Item			
48	Temporary works and plant as clause 6.	Item			
49	Temporary services as clause 7.	Item			
50	Prime cost amounts as clause 8.	Item			
51	Attendance on nominated/selected sub-contractors as clause 9.	Item			
52	Financial aspects as clause 10.				
	Payment of preliminaries as clause 10.2: Alternative A shall apply.				
	Carried to Collection			R	
	Bill No. 1				
	Preliminaries				

Item		Unit	Quantity	Rate	Amount
	Adjustment of preliminaries as clause 10.3: Alternative B shall apply.				
	Provision is made in the summary of these bills of quantities for the inclusion of Value Added Tax (VAT).	Item			
53	General as clause 11.	Item			
	<b><u>THE SCHEDULE OF VARIABLES</u></b>				
54	Schedule of variables as clause 12.				
	Information required for completion of those clauses contained in the schedule of variables, which are necessary for pre-tender purposes, is given hereunder:	Item			
	<b><u>PRE TENDER INFORMATION</u></b>				
	Provisional bills of quantities: The quantities are provisional: No, but some of the quantities are provisional and subject to re-measurement such as hard rock, testing, etc.				
	Availability of construction documentation: Construction documentation is not complete: Yes.				
	Interests of agents: Not applicable.				
	Defined works area: The Contractor must confine his operations to the immediate area of the works. The Contractor shall under no circumstances extend his operations beyond these areas at any time.				
	Geotechnical investigation: A geo-technical investigation is available for scrutiny at the offices of the Structural and Civil Engineers.				
	Existing premises occupied: Yes.				
	Services – known. Existing known services are shown on the drawings.				
	Protection of trees Specific requirements: Not Applicable.				
	Inspection of adjoining properties Specific requirements: Not Applicable.				
	Enclosure of the works Specific requirements: The Contractor shall comply with the standard building regulations.				
	Main notice board Specific requirements: Not Applicable.				
	Sub-contractors notice board A notice board is required : No.				
	Water: Alternative selected : A (By the Contractor).				
	Electricity: Alternative selected : A (By the Contractor).				
	Telecommunication equipment: Alternative selected : B (Telephone and facsimile).				
	Ablution facilities: Alternative selected : A (By the Contractor).				
	Special attendance: Not applicable.				
	Protection of the works: Specific requirements : Not Applicable.				
	Carried to Collection			R	
	Bill No. 1				
	Preliminaries				

9

10

Item		Unit	Quantity	Rate	Amount
	<b><u>ENCROACHMENTS</u></b>				
64	<p>After the site boundaries or beacons have been pointed out to the contractor, he is to notify the Principal Agent if any encroachments of adjoining foundations, buildings, structures, pavements, etc., exist, so that the necessary arrangements can be made for the rectification of any such encroachment.</p> <p>During the course of the building operations, the contractor will be held entirely responsible for any encroachment onto any adjoining properties or servitude's and the cost of any remedial measures as required by the Principal Agent shall be borne by the contractor unless the Principal Agent shall decide otherwise.</p>	Item			
65	<p>Should any part of a drawing not be clearly intelligible to the contractor or the manner in which the work is to be carried out not be clear, the contractor shall request the Principal Agent to clarify his requirements, which request and reply shall be in writing, failing which the contractor will be held responsible for any incorrect interpretation and shall, at his own expense, rectify any errors.</p>	Item			
	<b><u>DRAWINGS AND DIMENSIONS</u></b>				
66	<p>Upon receipt of detail drawings for any works, the contractor shall, before putting that work in hand, ascertain that the dimensions given on the detail drawings correspond with the dimensions of any work for which detail drawings are issued.</p> <p>In the event of a discrepancy between the detail drawings and the work already built, the discrepancy shall be brought to the Principal Agent's attention who shall decide the procedure.</p> <p>All drawings, whatever their origin, are to be issued to the site or to any other person or persons only through the Principal Agent's office and shall bear the Principal Agent's office stamp and signature and an up to date register of all drawings issued to the contractor shall be kept on the works. Any other drawings used on the site will be used at the contractor's risk and should any work be incorrect due to the use of unauthorized drawings the cost of rectifying such work shall be for the contractor's account.</p> <p>All drawings used on the works shall be properly mounted on suitable sheet material or otherwise protected and kept in good condition. Any drawings becoming bleached or otherwise obscured so that they cannot be properly read shall be returned to the Principal Agent for replacement, as any errors due to misreading of damaged or obscured drawings shall be made good by the contractor at his own expense.</p>	Item			
	<b><u>MEDIA RELEASES, ADVERTISING, ETC.</u></b>				
67	<p>All rights of publication of articles in the media together with any advertising relating to, or in any way connected with, this project shall vest in the employer.</p>				
	Carried to Collection			R	
	Bill No. 1				
	Preliminaries				

12

Item		Unit	Quantity	Rate	Amount
	<b><u>INSTALLATIONS BY TENANT</u></b>				
69	<p>The Employer reserves the right during the progress of the contract to allow his Tenant to install, commission and test the Mechanical ventilation and extraction equipment.</p> <p>These items are not allowed for in the contract. The Contractor shall permit the Employer, his representatives and contractors entry to the works for this purpose. No financial allowance shall be made to the Contractor</p> <p>(except as specifically allowed for in these Bills of Quantities) on account of the presence of any of the abovementioned workmen or their materials.</p>	Item			
	<b><u>UNAUTHORISED PERSONS ON SITE</u></b>				
70	<p>The contractor shall at all times strictly exclude all unauthorized persons from the works. No workmen are to be allowed to sleep on the premises.</p>	Item			
	<b><u>CONTRACT INSTRUCTIONS</u></b>				
71	<p>Contract instructions issued on site are to be recorded in triplicate in a site instruction book which is to be maintained on site by the contractor.</p>	Item			
	<b><u>PROPOSED PERSONNEL</u></b>				
72	<p>The Contractor shall submit in writing, together with his tender, a list of the proposed personnel, their qualifications and work experience for the following supervisory positions:</p> <p>Responsible Director</p> <p>Overall contract management control</p> <p>The senior foreman supervising work</p> <p>In addition, the Contractor shall submit, together with his tender, an organogram indicating the complete structure of the organization.</p> <p>These, on acceptance, cannot be varied without written acceptance by the Principal Agent, which shall not be unreasonably withheld.</p>	Item			
	<b><u>PROPOSED DOMESTIC SUB-CONTRACTORS</u></b>				
73	<p>The Contractor shall submit in writing, together with his tender, a list of proposed domestic sub-contractors.</p>	Item			
	Carried to Collection				
	Bill No. 1				
	Preliminaries				
				R	

Item		Unit	Quantity	Rate	Amount
	<b><u>SITE DIARY</u></b>				
74	The Contractor shall maintain a daily site diary (in triplicate) all to the approval of the Principal Agent.	Item			
	<b><u>COMPLIANCE WITH OCCUPATIONAL HEALTH &amp; SAFETY ACT (OHSA)</u></b>				
75	<p>It is a requirement of this contract that the Contractor shall provide a safe and healthy working environment and to direct all his activities in such a manner that his employees and any other persons, who may be directly affected by his activities, are not exposed to hazards to their health and safety. The Contractor shall assume full responsibility to conform to all the provisions of the Occupational Health and Safety Act No 85 and Amendment Act No 181 of 1993, and the OHSA 1993 Construction Regulations 2014 issued by the Department of Labour.</p> <p>For the purpose of this contract the Contractor is required to confirm his status as mandatory and employer in his own right for the execution of the contract.</p> <p>The Contractor's Health and Safety Plan must at least cover the following:</p> <p>(i) a proper risk assessment of the works, risk items, work methods and procedures in terms of Regulations 7 to 28;</p> <p>(ii) pro-active identification of potential hazards and unsafe working conditions;</p> <p>(iii) provision of a safe working environment and equipment;</p> <p>(iv) statements of methods to ensure the health and safety of subcontractors, employees and visitors to the site, including safety training in hazards and risk areas (<i>Regulation 5</i>); monitoring health and safety on the site of works on a regular basis, and keeping of records and registers as provided for in the Construction Regulations; details of the Construction Supervisor, the Construction Safety Officers and other competent persons he intends to appoint for the construction works in terms of Regulation 6 and other applicable regulations; and details of methods to ensure that his Health and Safety Plan is carried out effectively in accordance with the Construction Regulations 2003.</p>				
	Carried to Collection				
	Bill No. 1				
	Preliminaries				
				R	

Item		Unit	Quantity	Rate	Amount
	<p>The Contractor's Health and Safety Plan will be subject to approval by the Principal Agent, or amendment if necessary, before commencement of construction work. The Contractor will not be allowed to commence work, or his work will be suspended if he had already commenced work before he has obtained the Employer's written approval of his Health and Safety Plan.</p> <p>Time lost due to delayed commencement or suspension of the work as a result of the Contractor's failure to obtain approval for his safety plan, shall not be used as a reason to claim for extension of time or standing time and related costs</p> <p>The rates and prices tendered by the Contractor shall be deemed to include all costs for conforming to the requirements of the Act, the Construction Regulations and the Employer's Health and Safety Specification as applicable to this contract. Should the Contractor fail to comply with the provisions of the Construction Regulations, he will be liable for penalties as provided in the Construction Regulations.</p> <p><b><u>CONSTRUCTION CHARTER &amp; BROAD BASED BLACK ECONOMIC EMPOWERMENT</u></b></p> <p>76 Tenderers shall provide full details of their empowerment status, together with proof/certification where available together with a commitment statement setting out in detail how they intend to meet this commitment.</p> <p>In addition, tenderers shall provide copies of their current BBBEE Scorecard together with their tenders. Failure to submit this information may lead to disqualification of the tender submitted.</p> <p><b><u>CONFIDENTIALITY</u></b></p> <p>77 All documentation project details and plans are made available to the contractor for the purposes of this project only and shall not be disclosed or discussed with any third party not directly involved in the project without prior written authorisation by the client.</p> <p><b><u>COVID-19 OCCUPATIONAL HEALTH AND SAFETY MEASURES IN WORKPLACES (C19 OHS), 2020</u></b></p> <p>78 It is a requirement of this contract that the Contractor shall adhere to all Covid-19 requirements as outlined in the following:</p>				
	Carried to Collection				R
	Bill No. 1				
	Preliminaries				

16

**BILL NO. 1**  
**PRELIMINARIES**  
**COLLECTION**

Page No

Brought Forward from Page

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

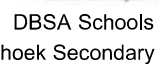
Carried to Summary

R

Item		Unit	Quantity	Rate	Amount
<b><u>BILL NO. 2</u></b>					
<b><u>ALTERATIONS</u></b>					
<b><u>REMOVAL OF EXISTING WORK</u></b>					
<b><u>Breaking up and removing mass concrete:</u></b>					
1	120mm Thick surface bed. (Concrete aprons / Walkways)	m <sup>2</sup>	305		
<b><u>Breaking down and removing brickwork etc:</u></b>					
2	Half brick wall.	m <sup>2</sup>	13		
3	One brick wall.	m <sup>2</sup>	26		
<b><u>Taking out and removing doors, windows, etc including thresholds, sills, etc. and making good plaster to cills and reveals to receive new (making good paintwork elsewhere measured):</u></b>					
4	Timber single door and frame size, 813 x 2032mm high overall from one brick wall.	No	21		
5	Glazed steel windows, size 900 x 900mm high from one brick wall.	No	40		
6	Glazed steel windows, size 1200 x 900mm high from one brick wall.	No	28		
7	Glazed steel windows, size 1200 x 1200mm high from one brick wall.	No	2		
8	Glazed steel windows, size 900 x 1370mm high from one brick wall.	No	86		
<b><u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc:</u></b>					
9	Asbestos roof sheeting including timber trusses, ceilings, cornices, eaves soffit coverings, fascia and barge boards, gutters and rainwater pipes.	m <sup>2</sup>	3 540		
10	Ceilings and cornices.	m <sup>2</sup>	105		
11	Fascia and barge boards.	m	125		
12	Rainwater gutters and downpipes.	m	120		
<b><u>Taking out/off and removing sundry metalwork:</u></b>					
13	Steel palisade fencing, 2100mm high.	m	435		
<b><u>Hacking up/off and removing granolithic, screeds, plaster, etc from concrete or brickwork and preparing surfaces for new screeds, plaster, etc:</u></b>					
14	Internal plaster from walls.	m <sup>2</sup>	1 597		
15	External plaster from walls.	m <sup>2</sup>	1 278		
Carried to Collection				R	
Bill No. 2					
Alterations					

Item		Unit	Quantity	Rate	Amount
	<b><u>Taking out and removing piping, sanitary fittings, etc including disconnecting piping from fittings and making good floor and wall finishes (making good tiling and paintwork elsewhere):</u></b>				
16	Vitreous china wash hand basin.	No	16		
17	Vitreous china WC pan with cistern.	No	17		
	<b><u>Taking out and removing glass and mirrors:</u></b>				
18	Glass from steel windows including cleaning out rebates and preparing for new glass.	m <sup>2</sup>	136		
	<b><u>Hacking up/off and removing vinyl floor tiles including removing adhesive and preparing concrete surfaces for new screed, plaster or tile finishes:</u></b>				
19	Vinyl tiles to floors.	m <sup>2</sup>	1 735		
20	Coved skirtings, 100mm high.	m	1 145		
	<b><u>MAKING GOOD OF FINISHES, ETC.</u></b>				
	<b><u>Making good internal cement plaster:</u></b>				
21	Walls in patches.	m <sup>2</sup>	510		
	<b><u>CONCRETE CRACK REPAIRS</u></b>				
	Tenderers are referred to the Engineers Notes and Specifications on the following drawing no's:				
	025-2023-ST-01-001-P-00-Rev. 0				
	025-2023-ST-01-002-P-00-Rev. 0				
	025-2023-ST-01-003-P-00-Rev. 0				
	<b><u>Preamble</u></b>				
	Measurement and payment is to be per metre of crack.				
	<b><u>Prepare cracked surfaces as described in Engineers crack stitching detail and apply epoxy compound:</u></b>				
22	On walls	m	90		
	<b><u>Repair cracked concrete, as described :</u></b>				
23	On walls	m <sup>2</sup>	90		
	<b><u>THE FOLLOWING IN UNDERPINNING TO EXISTING STRUCTURES:</u></b>				
	<b><u>Earthworks:</u></b>				
	<b><u>Excavation in earth not exceeding 2m deep:</u></b>				
24	Underpinning in 1,5m wide alternating sections under existing foundations.	m <sup>3</sup>	19		
	Carried to Collection			R	
	Bill No. 2				
	Alterations				

Item		Unit	Quantity	Rate	Amount
	<b><u>Excavations of vertical sides of excavations in earth for working space including backfilling compacted to 98% Mod. AASHTO maximum density:</u></b>				
25	Exceeding 500mm and not exceeding 1,5m deep for erection and removal of formwork to bases.	m <sup>2</sup>	130		
	<b><u>Extra over excavations other than bulk in earth for excavations in:</u></b>				
26	Soft rock.	m <sup>3</sup>	2		
27	Hard rock.	m <sup>3</sup>	2		
	<b><u>Extra over excavation in earth for working space for excavation in soft rock:</u></b>				
28	Exceeding 500mm and not exceeding 1,5m deep for erection and removal of formwork to bases.	m <sup>2</sup>	6		
	<b><u>Extra over excavation in earth for working space for excavation in hard rock:</u></b>				
29	Exceeding 500mm and not exceeding 1,5m deep for erection and removal of formwork to bases.	m <sup>2</sup>	13		
	<b><u>Risk of collapse of excavations other than bulk:</u></b>				
30	Sides of trench and hole excavation exceeding 1,5m deep.	m <sup>2</sup>	130		
	<b><u>Extra over all excavations for loading, carting and dumping surplus excavated material (no allowance made for increase in bulk):</u></b>				
31	Off site to a dumping site to be found by the Contractor.	m <sup>3</sup>	9		
	<b><u>Filling with material from the excavations compacted to a density of at least 95% Mod. AASHTO maximum density:</u></b>				
32	Backfilling to trenches, holes, etc.	m <sup>3</sup>	10		
	<b><u>Keeping excavations free of water:</u></b>				
33	Allow for keeping excavations free of water by hand or machinery.	Item			
	<b><u>Concrete cast in-situ augered piles including establishment, setting out, preliminaries, insurances, guarantees, engineers fees, etc.:</u></b>				
34	250mm Diameter hand augered pile approximately 4500mm long in underpinning.	No	25		
	<b><u>Reinforced concrete 30Mpa/19mm stone in:</u></b>				
35	Bases.	m <sup>3</sup>	4		
	<b><u>Rough formwork to:</u></b>				
36	Sides of bases.	m <sup>2</sup>	25		
Carried to Collection				R	
Bill No. 2					
Alterations					

21

**BILL NO. 2**  
**ALTERATIONS**  
**COLLECTION**

Page No

Brought Forward from Page

18

19

20

21

Carried to Summary

R

Item	Unit	Quantity	Rate	Amount
<b><u>BILL NO. 3</u></b>				
<b><u>EARTHWORKS</u></b>				
<b><u>EXCAVATION OTHER THAN BULK</u></b>				
<b><u>Excavation in earth not exceeding 2m deep:</u></b>				
1 Reduced levels under floors.	m <sup>3</sup>	76		
<b><u>CARTING AWAY.</u></b>				
<b><u>Extra over all excavations for loading, carting and dumping surplus excavated material (no allowance made for increase in bulk):</u></b>				
2 Off site to a dumping site to be found by the Contractor.	m <sup>3</sup>	76		
<b><u>EARTH FILLING, ETC.</u></b>				
<b><u>Filling with approved G5 material supplied and carted onto site by the Contractor, compacted to a density of at least 95% Mod. AASHTO maximum density:</u></b>				
3 Under floors, pavings, etc.	m <sup>3</sup>	40		
<b><u>Surface Preparation:</u></b>				
4 Trim and level off surface of natural ground and/or excavated surfaces to receive concrete surface beds, including ripping and scarifying as necessary and compacting the whole area for a depth of 150mm to a density of at least 98% Mod. AASHTO maximum density.	m <sup>2</sup>	305		
<b><u>KEEPING EXCAVATIONS FREE OF WATER</u></b>				
<b><u>Keeping excavations free of water:</u></b>				
5 Allow for keeping excavations free of water by hand or machinery.	Item			
<b><u>SOIL POISONING</u></b>				
<b><u>Approved brand of anti-termite soil poison applied by a Registered Pest Control company and guaranteed against termite infestation for ten years:</u></b>				
6 Under floors, etc., including forming and poisoning shallow furrows against foundation walls, etc., filling in furrows and ramming.	m <sup>2</sup>	305		
Carried to Summary			R	
Bill No. 3 Earthworks				

Item		Unit	Quantity	Rate	Amount
<b><u>BILL NO. 4</u></b>					
<b><u>CONCRETE, FORMWORK AND REINFORCEMENT</u></b>					
 <b><u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u></b>					
<b><u>Concrete 30 MPa/19mm stone in:</u></b>					
1	Apron slabs including edge beam cast in panels on waterproofing.	m <sup>3</sup>	37		
<b><u>FINISH TOP OF CONCRETE</u></b>					
<b><u>Brush finish top of concrete to:</u></b>					
2	Concrete apron and walkway, slabs, etc.	m <sup>2</sup>	305		
<b><u>MOVEMENT JOINTS ETC</u></b>					
<b><u>Expansion joints with 13mm 'Masonite' bitumen impregnated insulation board between horizontal and/or vertical concrete surfaces:</u></b>					
3	Joints not exceeding 300mm high or wide.	m	244		
<b><u>REINFORCEMENT</u></b>					
<b><u>Fabric reinforcement:</u></b>					
4	Type 193 fabric reinforcement in concrete surface beds, slabs, etc.	m <sup>2</sup>	305		
Carried to Summary				R	
Bill No. 4 Concrete, Formwork And Reinforcement					

25

Item	Unit	Quantity	Rate	Amount
<b><u>BILL NO. 6</u></b> <b><u>WATERPROOFING</u></b>				
<b><u>DAMPPROOFING OF WALLS AND FLOORS</u></b>				
<b><u>One layer of 375 micron Consol Plastics Brikgrip DPC embossed damp proof course:</u></b>				
1 In walls.	m <sup>2</sup>	6		
<b><u>One layer of 250 micron Consol Plastics Gunplas Black waterproof sheeting sealed at laps with Gunplas Pressure Sensitive Tape:</u></b>				
2 Under surface beds.	m <sup>2</sup>	305		
<b><u>JOINT SEALANTS, ETC.</u></b>				
<b><u>'ABE - Flexothane' polyurethane joint sealant including backing cord, bond breaker, etc.:</u></b>				
3 10 x 12mm Horizontal expansion joints between concrete surface bed and wall including raking out expansion joint filler as necessary.	m	244		
Carried to Summary			R	
Bill No. 6				
Waterproofing				

Item		Unit	Quantity	Rate	Amount
<b><u>BILL NO. 7</u></b>					
<b><u>ROOF COVERINGS</u></b>					
<b><u>PROFILED METAL SHEETING AND ACCESSORIES</u></b>					
<b><u>0,53 Thick Zincalume broad flute IBR finish chromadek pre-coated roof sheeting (charcoal) laid on 75 x 50mm purlins at approximately 1200mm centres on sisalation (elsewhere measured) under purlins on straining tape on timber trusses laid as per manufacturers specification:</u></b>					
1	Roof covering with pitch not exceeding 25 degrees.	m <sup>2</sup>	3 540		
<b><u>FLASHINGS</u></b>					
<b><u>0,53mm Flashings pre-painted to match roof sheeting and fixed in strict accordance with manufacturer's instructions:</u></b>					
2	Ridge capping sheets 550mm girth.	m	221		
3	Eaves fillers 500mm girth.	m	211		
<b><u>ROOF AND WALL LINING INSULATION</u></b>					
<b><u>'Factorylite' reinforced single sided white metalised foil faced glass wool flexible faced building insulation with inert binder:</u></b>					
4	50mm Insulation laid taut over timber purlins (at approximately 1200mm centres) and fix concurrent with roof sheeting, etc. with straining wires.	m <sup>2</sup>	3 540		
Carried to Summary				R	
Bill No. 7 Roof Coverings					

Item		Unit	Quantity	Rate	Amount
<b><u>BILL NO. 8</u></b>					
<b><u>CARPENTRY AND JOINERY</u></b>					
<b><u>PREFABRICATED ROOF TRUSSES, ETC.</u></b>					
<b><u>Sawn softwood:</u></b>					
1	Truss to Block A, 11 100 x 1000mm high overall with 600mm eaves overhang projection on both sides.	No	26		
2	Truss to Block E, 10 750 x 1000mm high overall with 400mm eaves overhang projection on one side and 2000mm on other side.	No	32		
3	Truss to Block F, 10 380 x 1000mm high overall with 500mm eaves overhang projection on one side and 2000mm on other side.	No	14		
4	Truss to Block G & H, 10 100 x 1000mm high overall with 600mm eaves overhang projection on one side and 2000mm on other side.	No	106		
5	Truss to Block I & J, 10 230 x 1000mm high overall with 900mm eaves overhang projection on one side and 2000mm on other side.	No	96		
6	Truss to Block K, 7150 x 1000mm high overall with 600mm eaves overhang projection on one side and 2000mm on other side.	No	9		
7	Truss to Block L, 3800 x 1000mm high overall with 200mm eaves overhang projection on one side and 600mm on other side.	No	9		
<b><u>ROOF CONSTRUCTION</u></b>					
<b><u>Sawn softwood:</u></b>					
8	38 x 114mm Wall plates.	m	680		
9	76 x 50mm Purlins.	m	6 069		
<b><u>ROOF SUNDRIES</u></b>					
<b><u>Sundries:</u></b>					
10	Two coats creosote on sawn timbers at eaves.	m <sup>2</sup>	193		
<b><u>EAVES, VERGES, ETC</u></b>					
<b><u>Everite FC77 pressed fibre-cement:</u></b>					
11	Eaves soffit covering comprising of various widths made of 6mm thick sheets including 38 x 38mm sawn softwood branding along edges, along centre and at 800mm centres across sheets.	m <sup>2</sup>	850		
12	225 x 6mm Fascias and barge boards including galvanised steel H-profile jointing strips.	m	950		
Carried to Collection				R	
Bill No. 8 Carpentry And Joinery					

Item		Unit	Quantity	Rate	Amount
	<b><u>FLUSH DOORS</u></b>				
	<b><u>Hollow core flush doors with 3,2mm hardboard covering on both sides:</u></b>				
13	40mm Door size, 810 x 2030mm high.	No	21		
	<b><u>Sundries:</u></b>				
14	Undercut 40mm door 810mm wide by 20mm for mechanical ventilation.	No	21		
	<b><u>FRAMED FRAMES ETC</u></b>				
	<b><u>Wrot meranti:</u></b>				
15	44 x 68mm Rebated meranti door frame to suit standard door size, 813 x 2032mm high, plugged.	No	21		
	<b><u>BEADS, ARCHITRAVES, ETC</u></b>				
	<b><u>Wrot meranti:</u></b>				
16	19mm Quadrant beads.	m	214		
Carried to Collection				R	
Bill No. 8					
Carpentry And Joinery					

**BILL NO. 8**  
**CARPENTRY AND JOINERY**  
**COLLECTION**

Page No

Brought Forward from Page

28

29

Carried to Summary

**R**

Item		Unit	Quantity	Rate	Amount
<b><u>BILL NO. 9</u></b>					
<b><u>CEILINGS PARTITIONS AND ACCESS FLOORING</u></b>					
<b><u>NAILED UP CEILINGS</u></b>					
<b><u>6mm "Everite Nutec" fibre-cement boards with 40 x 10mm hardwood cover strips:</u></b>					
1	Ceilings including 38 x 38mm sawn softwood brander at 400mm centres.	m <sup>2</sup>	2 548		
2	Extra over ceiling for 635 x 635mm trap door of 38 x 50mm sawn SA pine framing with one 38 x 76mm wrought SA pine cross brander covered with ceiling board and fitted flush in opening.	No	22		
<b><u>Gypsum plasterboard cornices:</u></b>					
3	75mm Coved cornices.	m	2 129		
Carried to Summary				R	
Bill No. 9 Ceilings Partitions And Access Flooring					

32

Item		Unit	Quantity	Rate	Amount
<b><u>BILL NO. 11</u></b>					
<b><u>METALWORK</u></b>					
<b><u>GALVANISED STEEL WINDOWS, DOORS, ETC.</u></b>					
<b><u>Standard school windows as per Architects Drawing and DoE specifications:</u></b>					
1	Window size, 900 x 900mm high fixed to one brick wall.	No	40		
2	Window size, 1200 x 900mm high fixed to one brick wall.	No	28		
3	Window size, 1200 x 1200mm high fixed to one brick wall.	No	2		
4	Window size, 900 x 1370mm high fixed to one brick wall.	No	86		
Carried to Summary				R	
Bill No. 11					
Metalwork					

Item		Unit	Quantity	Rate	Amount
<b><u>BILL NO. 12</u></b>					
<b><u>PLASTERING</u></b>					
<b><u>SCREEDS</u></b>					
<b><u>Screeds (1:3) as described on concrete:</u></b>					
1	30mm Thick on floors and landings.	m <sup>2</sup>	1 735		
<b><u>INTERNAL PLASTER</u></b>					
<b><u>One coat cement plaster (1:5) as described on brickwork on:</u></b>					
2	Walls.	m <sup>2</sup>	2 159		
3	Narrow widths.	m <sup>2</sup>	15		
<b><u>EXTERNAL PLASTER</u></b>					
<b><u>One coat cement plaster (1:5) as described on brickwork on:</u></b>					
4	Walls.	m <sup>2</sup>	1 304		
5	Narrow widths.	m <sup>2</sup>	15		
Carried to Summary				R	
Bill No. 12					
Plastering					

Item		Unit	Quantity	Rate	Amount
<b><u>BILL NO. 13</u></b>					
<b><u>PLUMBING AND DRAINAGE</u></b>					
<b><u>RAINWATER DISPOSAL</u></b>					
<b><u>Seamless aluminium:</u></b>					
1	125 x 85 x 0,6mm Ogee gutters with and including concealed brackets fixed at 500mm centres.	m	763		
2	Extra over eaves gutter for stopped end.	No	48		
3	Extra over eaves gutter for outlet for 75mm pipe.	No	62		
4	75mm Diameter pvc downpipe fixed to wall with straps at 1500mm centres.	m	198		
5	Extra over rainwater pipe for bend.	No	62		
6	Extra over rainwater pipe for shoe.	No	62		
<b><u>SANITARY FITTINGS</u></b>					
<b><u>"Vaal" or other equally approved::</u></b>					
7	White dual top flush toilet set, including all fittings, fixings, etc., complete as per DoE specifications.	No	16		
8	Wall mounted ceramic wash hand basin including all fixings, fittings, taps etc., complete as per DoE specifications.	No	17		
Carried to Summary				R	
Bill No. 13 Plumbing And Drainage					

Item		Unit	Quantity	Rate	Amount
<b><u>BILL NO. 14</u></b>					
<b><u>GLAZING</u></b>					
<b><u>GLAZING TO STEEL WITH PUTTY</u></b>					
<b><u>4mm Clear float glass:</u></b>					
1	Panes exceeding 0,5 m2 and not exceeding 2 m2.	m <sup>2</sup>	136		
Carried to Summary				R	
Bill No. 14 Glazing					

Item		Unit	Quantity	Rate	Amount
	<b><u>BILL NO. 15</u></b>				
	<b><u>PAINTWORK</u></b>				
	<b><u>PAINT ON PLASTER</u></b>				
	<b><u>One coat alkali resistant primer and two coats interior quality PVA emulsion paint on:</u></b>				
1	Plastered walls internally.	m <sup>2</sup>	2 174		
2	Plastered walls externally.	m <sup>2</sup>	1 319		
3	Gypsum plastered ceilings and cornices internally.	m <sup>2</sup>	2 718		
4	Fibre cement ceilings externally.	m <sup>2</sup>	850		
	<b><u>PAINT ON METAL</u></b>				
	<b><u>One coat etch primer, one undercoat and two coats gloss enamel paint on:</u></b>				
5	Steel windows. (Both sides measured on flat)	m <sup>2</sup>	686		
	<b><u>PAINT ON WOOD</u></b>				
	<b><u>One coat general purpose wood primer on:</u></b>				
6	Backs of frames not exceeding 300mm girth before fixing.	m	107		
	<b><u>One coat Primer, one coat undercoat and two coats gloss enamel on:</u></b>				
7	General surfaces.	m <sup>2</sup>	71		
8	Frames and linings.	m <sup>2</sup>	32		
	<b><u>PAINT ON FIBRE CEMENT</u></b>				
	<b><u>One coat Primer, one coat undercoat and two coats gloss enamel on:</u></b>				
9	Fascia or barge board not exceeding 500mm girth	m <sup>2</sup>	429		
	<b><u>PREPARATORY WORK TO EXISTING WORK</u></b>				
	<b><u>Clean down, etc., and apply two coats interior quality PVA emulsion paint on existing painted:</u></b>				
10	Plastered walls internally.	m <sup>2</sup>	855		
	Carried to Summary				
	Bill No. 15				
	Paintwork				
				R	

Item		Unit	Quantity	Rate	Amount
<b><u>BILL NO. 16</u></b>					
<b><u>EXTERNAL WORKS</u></b>					
<b><u>FENCING</u></b>					
<b><u>Steel palisade fencing:</u></b>					
1	Steel palisade fence 2100mm high, formed of top and bottom rails, palings 2200mm high at maximum of 200mm centres cast in and including 400 x 400 x 600mm deep in ground unreinforced concrete footing, including site clearance, preparation of ground, excavation and disposal of surplus soil all as per Architect's and DoE's specifications.	m	435		
Carried to Summary				R	
Bill No. 16 External Works					

Item		Unit	Quantity	Rate	Amount
<b><u>BILL NO. 17</u></b>					
<b><u>PROVISIONAL SUMS</u></b>					
<b><u>PROVISIONAL AMOUNTS</u></b>					
<b><u>Electrical Installation:</u></b>					
1	Allow the Amount of R 1 950 000.00 (One Million Nine Hundred and Fifty Thousand Rand) for Electrical Installation.	Item			1 950 000 00
2	Profit on above item.	Item			
3	Attendance on ditto.	Item			
<b><u>Entomologist Survey and Report:</u></b>					
4	Allow the Amount of R 80 000.00 (Eighty Thousand Rand) for Enomologist Survey and Report.	Item			80 000 00
5	Profit on above item.	Item			
6	Attendance on ditto.	Item			
<b><u>Flushing of Existing Sewer Network:</u></b>					
7	Allow the Amount of R 100 000.00 (One Hundred Thousand Rand) for Flushing of Existing Sewer Network.	Item			100 000 00
8	Profit on above item.	Item			
9	Attendance on ditto.	Item			
<b><u>Flushing of Existing Storm Water Network:</u></b>					
10	Allow the Amount of R 100 000.00 (One Hundred Thousand Rand) for Flushing of Existing Storm Water Network.	Item			100 000 00
11	Profit on above item.	Item			
12	Attendance on ditto.	Item			
<b><u>Repairs to Damaged Stormwater and Sewer Pipes:</u></b>					
13	Allow the Amount of R 300 000.00 (Three Hundred Thousand Rand) for Repairs to Damaged Stormwater and Sewer Pipes.	Item			300 000 00
14	Profit on above item.	Item			
15	Attendance on ditto.	Item			
<b><u>BUDGETARY ALLOWANCES</u></b>					
<b><u>Mechanical Work - Fire Hose Reels, Extinguishers and Repairs to Damaged Plumbing Infrastructure:</u></b>					
16	Allow the Amount of R 85 000.00 (Eighty Five Thousand Rand) for Mechanical Work - Fire Hose Reels, Extinguishers and Repairs to Damaged Plumbing Infrastructure.	Item			85 000 00
Carried to Collection				R	
Bill No. 17					
Provisional Sums					

Item		Unit	Quantity	Rate	Amount
<b><u>Diversion and Protection of Existing Services:</u></b>					
17	Allow the Amount of R 100 000.00 (One Hundred Thousand Rand) for Diversion and Protection of Existing Services.	Item			100 000 00
<b><u>Ironmongery Removal and Replacement:</u></b>					
18	Allow the Amount of R 30 000.00 (Thirty Thousand Rand) for Ironmongery Removal and Replacement.	Item			30 000 00
<b><u>Unforeseen Alteration Work:</u></b>					
19	Allow the sum of R 100 000.00 (One Hundred Thousand Rands) for Sundry Unforeseen Alteration Work.	Item			100 000 00
<b><u>Drystack Walls:</u></b>					
20	Allow the sum of R 100 000.00 (One Hundred Thousand Rands) for Drystack Walls.	Item			100 000 00
<b><u>Community Liason Officer:</u></b>					
21	Allow the Amount of R 80 000.00 (Eighty Thousand Rand) for Community Liason Officer.	Item			80 000 00
<b>MINIMUM TARGETED ENTERPRISE DEVELOPMENT</b>					
A provisional amount has been allowed for in the execution of this project as described in C3.1 Project Specifications.					
22	The provisional amount allowed is for the appointment of training coordinator, mentor, training service providers and training of the beneficiary enterprises including monitoring and monthly reporting.	PS			300 234.49
23	Allowance for profit all inclusive of associated costs to the contractor for implementation.	%			
24	Allowance for attendance all inclusive of associated costs to the contractor for implementation.	%			
Carried to Collection				R	
Bill No. 17					
Provisional Sums					

**BILL NO. 17**  
**PROVISIONAL SUMS**  
**COLLECTION**

Page No

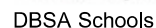
Brought Forward from Page

39

40

Carried to Summary

R



Amount

42

Amount

Brought from Previous

R

ADD: CONTINGENCIES

Allow 5% Contingency Amount and the sum provided is to be under the sole control of the Client and upon approval by the Client Representative and deducted in whole or in part if not required.

SubTotal before VAT

ADD VAT @ 15%:

Carried to Tender

R

SUMMARY