

Item No		Quantity	Rate	Amount R
	<u>BILL NO. 1</u>			
	<u>PRELIMINARIES</u>			
	<u>BUILDING AGREEMENT AND PRELIMINARIES</u>			
	<p>The JBCC Edition 4.1 Code 2101 March 2005 Principal Building Agreement (July 2007 edition) prepared by the Joint Building Contract Committee shall be the applicable building agreement, amended as hereinafter described</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>Contractor's are referred to the abovementioned documents for the full 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>			
	<u>PREAMBLES FOR TRADES</u>			
	<p>The Model Preambles for Trades (2008 edition) as published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these bills of quantities and no claims arising from brevity of description of items fully described in the said Model Preambles will be entertained</p>			
	Carried Forward		R	
	Bill No. 1 Preliminaries			

	Brought Forward		R	
	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			
	<u>SECTION A - PRINCIPAL BUILDING AGREEMENT</u>			
	<u>Definitions</u>			
1/1	Definitions and Interpretation (Clause 1.0)	Item		
	<u>Objective and preparations</u>			
1/2	Offer, Acceptance and Performance obligations (Clause 2.0)	Item		
1/3	Documents (Clause 3.0)	Item		
1/4	Design Responsibility (Clause 4.0)	Item		
1/5	Employer's Agents (Clause 5.0)	Item		
1/6	Contractor's site Representative (Clause 6.0)	Item		
1/7	Compliance with Laws and Regulations (Clause 7.0)	Item		
1/8	Without limiting the generality of the provisions of Clause 7.0, the contractor's attention is drawn to the provisions of the Construction Regulations, 2003 issued in terms of the Occupational Health and Safety Act, 1993 and Part C4.2 (Annexure C) of this tender document. It is specifically stated that the employer shall prepare a documented health and safety specification for the works and that the employer shall ensure that the contractor has made provision for the cost of health and safety measures during the execution of the works. The contractor shall price opposite this item for compliance with the act and the regulations and the reasonable provisions of the aforementioned health and safety specifications	Item		
	Carried Forward		R	
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DEVELOPMENT BANK OF SOUTHERN AFRICA
CIVIL AND STRUCTURAL MAINTENANCE TO RIDGE PARK COLLEGE
EMIS NUMBER: 500255744

	Brought Forward		R	
1/9	Works Risk (Clause 8.0)	Item		
1/10	Indemnities (Clause 9.0)	Item		
1/11	General Insurances (Clause 10.0)	Item		
1/12	Special Insurances (Clause 11)	Item		
1/13	Effecting Insurances (Clause 12)	Item		
1/14	Assignment (Clause 13)	Item		
1/15	Security (Clause 14)	Item		
	<u>Execution</u>			
1/16	Preparation For and Execution of The Works (Clause 15)	Item		
1/17	Site and Access (Clause 16)	Item		
1/18	Contract Instructions (Clause 17)	Item		
1/19	Setting Out Of The Works (Clause 18) The contractor shall notify the Principal Agent if any encroachments of adjoining foundations, buildings, structures, pavements, boundaries, etc exist in order that the necessary arrangements may be made for the rectification of any such encroachments.	Item		
1/20	Temporary works and plant (Clause 19) The contractor shall provide, maintain and remove on completion all perimeter scaffolding required by the contractor for the due and proper fulfilment of the works	Item		
1/21	Nominated Subcontractors (Clause 20)	Item		
1/22	Selected Subcontractors (Clause 21)	Item		
1/23	Employer's Direct Contractors (Clause 22)	Item		
1/24	Contractor's Domestic Subcontractors (Clause 23)	Item		
	<u>Completion</u>			
1/25	Practical Completion (Clause 24)	Item		
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	Brought Forward		R	
1/26	Works Completion (Clause 25)	Item		
1/27	Final Completion (Clause 26)	Item		
1/28	Latent Defects Liability Period (Clause 27)	Item		
1/29	Sectional Completion (Clause 28)	Item		
1/30	Revision of Date for Practical Completion (Clause 29) 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 the adjustment of contract value (Clause 29.3)	Item		
1/31	Penalty for Late or Non-Completion (Clause 30)	Item		
	<u>Payment</u>			
1/32	Interim Payment to the Contractor (Clause 31) The inclusion of materials and goods stored off site in the amount authorized for payment in terms of Clause 31.4 shall be at the sole discretion of the Principal Agent and such inclusion shall only be considered upon the provision, by the contractor, of an approved guarantee issued by a registered commercial bank. Clause 31.6.5 is therefore not applicable.	Item		
1/33	Adjustment to the Contract Value (Clause 32) All fluctuations in costs, with the exception of fluctuations in the rate of Value Added Tax, shall be for the account of the contractor.	Item		
1/34	Recovery of Expense and Loss (Clause 33)	Item		
1/35	Final Account and Final Payment (Clause 34)	Item		
1/36	Payment to Other Parties (Clause 35)	Item		
	<u>Termination</u>			
1/37	Termination by Employer - Contractor's Default (Clause 36)	Item		
1/38	Termination by Employer - Loss and Damage (Clause 37)	Item		
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	Brought Forward		R	
1/39	Termination by Contractor - Employer's Default (Clause 38)	Item		
1/40	Termination - Cessation of the Works (Clause 39)	Item		
	<u>Dispute</u>			
1/41	Dispute Settlement (Clause 40)	Item		
	<u>Contract Agreement</u>			
1/42	Post tender provisions (Clause 41)The required post tender information shall be inserted in the post tender provisions after consultation with the contractor	Item		
1/43	Contractual agreement (Clause 42)The required information of the contracting parties and the amount of the accepted contract sum shall be inserted in the contractual agreement for signature of the agreement by the contracting parties	Item		
	<u>SECTION B: PRELIMINARIES</u>			
	<u>Definitions and Interpretation</u>			
1/44	Definitions and Interpretation (Clause 1.0)	Item		
	<u>Documents</u>			
1/45	Checking of Documents (Clause 2.1)	Item		
1/46	Provisional Bills of Quantities (Clause 2.2)	Item		
1/47	Availability of Construction Documentation (Clause 2.3)	Item		
	<u>Previous work and adjoining properties</u>			
1/48	Previous Work - Dimensional Accuracy (Clause 3.1)	Item		
1/49	Previous Work - Defects (Clause 3.2)	Item		
1/50	Inspection of Adjoining Properties (Clause 3.3)	Item		
	<u>Samples, Shop Drawings and Manufacturer's Instructions</u>			
1/51	Samples of Materials (Clause 4.1)	Item		
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Brought Forward		R
1/52	Workmanship Samples (Clause 4.2)	Item
1/53	Shop Drawings (Clause 4.3)	Item
1/54	Compliance with Manufacturer's Instructions (Clause 4.4)	Item
	<u>Deposits and Fees</u>	
1/55	Deposits and Fees (Clause 5.1)	Item
	<u>Temporary Services</u>	
1/56	Water (Clause 6.1)	Item
1/57	Electricity (Clause 6.2)	Item
1/58	Telecommunication Equipment (Clause 6.3)	Item
1/59	Ablution Facilities (Clause 6.4)	Item
	<u>Prime cost Amounts</u>	
1/60	Responsibility for Prime Cost Amounts (Clause 7.1)	Item
	<u>Special Attendance on N/S Subcontractors</u>	
1/61	Special Attendance (Clause 8.1)	Item
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Brought Forward			R
<u>GENERAL</u>			
1/62	Protection of the Works (Clause 9.1)	Item	
1/63	Protection / Isolation of Existing / Sectionally Occupied Works (Clause 9.2)	Item	
1/64	Security of the Works (Clause 9.3)	Item	
1/65	Notice Before Covering Work (Clause 9.4)	Item	
1/66	Disturbance (Clause 9.5)	Item	
1/67	Environmental Disturbance (Clause 9.6)	Item	
1/68	Works Cleaning and Clearing (Clause 9.7)	Item	
1/69	Vermin (Clause 9.8)	Item	
1/70	Overhand Work (Clause 9.9)	Item	
<u>SECTION C: SPECIFIC PRELIMINARIES</u>			
<u>Contract Price Adjustment Provisions</u>			
1/71	Bidders are advised that this Contract shall be a Fixed Price Contract and shall not be subject to the Contract Price Adjustment Provisions (CPAP) or any other escalation formula and therefore bidder are to allow for any increases (except any variations in the rate of Value Added Tax) in cost of labour, materials, transport, etc.	Item	
<u>Site Instructions</u>			
1/72	Site Instructions issued on site are to be recorded in triplicate in a site instruction book which is maintained on site by the contractor. F:..... V:..... T:.....	Item	
Carried Forward			R
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	Brought Forward		R	
	<u>Warranties for material and workmanship</u>			
1/73	Where warranties for materials and /or workmanship are called for, the contractor shall obtain a written warranty, addressed to the employer, from the firm supplying the materials and/or doing the work and shall deliver same to the Principal Agent on certified completion of contract. The warranty shall state that workmanship, materials and installation are warranted for a specified period from the date of final completion and that any defects that may arise during the specified period shall be made good at the expense of the firm supplying the materials and/or doing the work, upon written notice to do so. The warranty will not be enforced if the work is damaged by defects in the construction of the building in which case the responsibility for replacement shall rest entirely with the contractor. F:..... V:..... T:.....	Item		
	<u>Co-operation of contractor for cost management</u>			
1/74	It is specifically agreed that the contractor accepts the obligation of assisting the principal agent in implementing proper cost management. The contractor will be advised by the principal agent of all cost management procedures which will be implemented to ensure that the final building cost does not exceed the budget. The principal agent undertakes to make available to the contractor all budgetary allowances and cost assessments/ reports to enable the proper procedure to be implemented and the contractor shall attend all cost plan review and cost management meetings. The contractor undertakes to extend these procedures, as necessary, to all subcontractors F:..... V:..... T:.....	Item		
	<u>Confidentiality</u>			
1/75	The contractor undertakes to maintain in confidence any and all information regarding this project and shall obtain appropriate similar undertakings from all subcontractors and suppliers. Such information shall not be used in any way except in connection with the execution of the works No information regarding this project shall be published or disclosed without the prior written consent of the employer F:..... V:..... T:.....	Item		
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Brought Forward		R
	<u>Testing of windows for watertightness</u>	
1/76	Each window shall be tested for watertightness with water sprayed on by means of a 20mm hosepipe using adequate pressure. If in the opinion of the principal agent, the pressure proves to be inadequate, then the pressure in the hosepipe shall be boosted by means of compressed air or other approved means F:..... V:..... T:.....	Item
1/77	Tender Data Schedule F:..... V:..... T:.....	Item
1/78	General Conditions of Contract F:..... V:..... T:.....	Item
1/79	Special Conditions of Contract F:..... V:..... T:.....	Item
1/80	Contract Data F:..... V:..... T:.....	Item
1/81	Schedule of Variables F:..... V:..... T:.....	Item
<u>SUMMARY OF CATEGORIES</u>		
Category: Fixed F:.....		
Category: Value V:.....		
Category: Time T:.....		
TOTAL CARRIED TO FINAL SUMMARY		R
Bill No. 1 Preliminaries		

Item No		Quantity	Rate	Amount R
	<u>BILL NO. 2</u>			
	<u>DECANTING</u>			
	<u>PREAMBLES</u>			
	<p>Before submitting his tender the Contractor shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials contained in the buildings or portions of the buildings to be demolished. No claim for any variations of the contract sum in respect of the nature and extent of the work or of inferior or damaged materials will be entertained</p> <p>The Contractor shall carry out the whole of the works with as little mess and noise as possible and with a minimum of disturbance to adjoining premises and their tenants. He shall provide proper protection and provide, erect and remove when directed, any temporary tarpaulins that may be necessary during the progress of the works, all to the satisfaction of the project manager</p> <p>The Contractor to acknowledge that sequencing of the work will be necessary to accommodate the operational aspects of the school. The Contractor to accordingly factor the above requirement in the construction programme and pricing. All occupants of the existing school must be removed into the decanted site before the works commence.</p> <p><u>Transportation of units</u></p> <p>Transportation of the units and any other associated materials to provide a fully functional structure will be at the cost of the contractor factored into the cost per unit. Contractor to factor in the consequences of inflation into costs.</p> <p><u>Delivery Period</u></p> <p>Delivery period of the units needs to accommodate the removal of the occupants of the existing school to the decanting site. Contractors programme needs to reflect the sequence of the removal of occupants and furniture into the mobile units.</p>			
	Carried Forward		R	
	Bill No. 2 Decanting			

<p style="text-align: right;">Brought Forward</p> <p><u>Positioning and Site Requirements</u></p> <p>a) The site is required to be level with a slope not exceeding 200mm over the full length of each building b) The positioning of the units will be as per Architectural Drawing</p> <p><u>Access to Site</u></p> <p>Contractor is to ensure that delivery trucks/trailers for the units have access to the site for delivery.</p> <p><u>Warranty</u></p> <p>Contractor to ensure all necessary warranties and insurances for the units are in place and handed over to the Project Manager upon evacuation of the units. Warranties are to also include all equipment and appliances.</p> <p><u>Re-usable Materials</u></p> <p>Contractor to ensure materials earmarked to be re-used for the new structures once decanting site has been evacuated to be kept safe and in good condition.</p> <p><u>Destablishment</u></p> <p>Contractor to de-establish the whole decanting site upon completion and arrange for the transportation of the units to a destination selected by the Client.</p>	<p style="text-align: right;">R</p>
<p style="text-align: right;">Carried Forward</p> <p>Bill No. 2 Decanting</p>	<p style="text-align: right;">R</p>

DEVELOPMENT BANK OF SOUTHERN AFRICA
CIVIL AND STRUCTURAL MAINTENANCE TO RIDGE PARK COLLEGE
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Brought Forward			R
<u>GENERAL</u>			
<u>Protection from damage</u>			
2/82	Contractor to ensure that all units are rigged into place off the ground to eliminate any storm water damage	Item	
<u>Temporary barriers, screens, etc</u>			
2/83	Temporary hoarding constructed of temporary tarpaulins 2700mm high, dust and weatherproof screens and barriers that may be necessary for protection of the decanting site to Architects approval, including making good upon removal	m	166
2/84	Extra over galvanised steel pedestrian gate, including lock, etc	No	1
2/85	Extra over galvanised steel vehicle gate, including lock, etc	No	1
<u>PREFABRICATED/MOBILE UNITS</u>			
NB: Pricing of units to include the rental of the required units for a period of 6 months, pricing is to also include transportation, fabrication (if/where necessary, installation/jointing where required and rigging of units into place) Units to accommodate all internal Electrical Installations including DB Boards, Light Fittings, Switches, Plugs, Air-conditioning Units where required. Plumbing requirements including fittings for kitchen and ablutions.			
<u>Single Wide Classroom Unit</u>			
2/86	Provide prefabricated classroom unit approximate size 7 000 x 7 000mm with vaulted roof and ceiling system complete with 2.42 x 1.14m Chalkboard (Position to be confirmed by architect) Note: All windows to include burglar bars and doors to include security gates. Units to include signage.	No	6
2/87	Supply and install 2.42 x 1.14m white board. (Position to be confirmed by Architect on site)	No	6
2/88	Provide steps with handrail leading into the unit at the entrance	No	6
Carried Forward			R
Bill No. 2 Decanting			

DEVELOPMENT BANK OF SOUTHERN AFRICA

CIVIL AND STRUCTURAL MAINTENANCE TO RIDGE PARK COLLEGE

EMIS NUMBER: 500255744

Brought Forward

R

2/89	Provide ramp with handrail leading into the unit at the entrance
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No

6

Single Wide Admin Unit

2/90	Provide prefabricated admin unit approximate size 7 000 x 7 000mm with roof overhang of 1.5m on one side with vaulted roof and ceiling system. Unit to include kitchen and ablutions internally. Note: All windows to include burglar bars and doors to include security gates. Units to include signage.
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No

1

2/91	Supply and install single bowl stainless kitchen bowl including accessories and appropriately sized cupboard with shelves. (Position to be confirmed by Architect on site)
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No

1

2/92	Provide steps with handrail leading into the unit at the entrance
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No

1

2/93	Provide ramp with handrail leading into the unit at the entrance
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No

1

Single Male & Female Mobile Ablution Unit

2/94	Provide single female mobile ablation units, approximate size 6 000 x 2 400mm including weekly service, damages cost, delivery and collection costs. Units to include signage.
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No

1

2/95	Provide single male mobile ablution units, approximate size 6 000 x 2 400mm including weekly service, damages cost, delivery and collection costs. Units to include signage.
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No

1

2/96	Provide steps with handrail leading into the unit at the entrance
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No

2

2/97	Provide ramp with handrail leading into the unit at the entrance
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No

2

Fire protection

2/98	Supply and install fire extinguishers - 4.5kg DCP
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No

9

Carried Forward

R

Bill No. 2
Decanting

DEVELOPMENT BANK OF SOUTHERN AFRICA
CIVIL AND STRUCTURAL MAINTENANCE TO RIDGE PARK COLLEGE
EMIS NUMBER: 500255744

Brought Forward			R
	<u>Maintenance Cost</u>		
2/99	Contractor will be responsible for the maintenance of the units for the duration of the contract	Item	
	<u>De-establishment Costs</u>		
2/100	Rehabilitation: Provision for the de-establishment of the decanting site, making good of the area where the units were positioned	Item	
	<u>REMEDIAL WORK TO EXTERNAL WORKS</u>		
	<u>Make good existing flattened grass, complete and Contractor to restore grass to state that it was found in by loosening the soil and removing grass where applicable, and re-growing grass</u>		
2/101	On existing grass	m ² 972	
TOTAL CARRIED TO FINAL SUMMARY			R
Bill No. 2 Decanting			

DEVELOPMENT BANK OF SOUTHERN AFRICA
CIVIL AND STRUCTURAL MAINTENANCE TO RIDGE PARK COLLEGE
EMIS NUMBER: 500255744

Item No	Unit	Quantity	Rate	Amount R
<u>BILL NO. 3</u>				
<u>ALTERATIONS</u>				
<u>View site</u>				
Before submitting his tender the tenderer shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials salvageable from the alterations. No claim for any variations of the contract sum in respect of the nature and extent of the work or of inferior or damaged materials will be entertained				
<u>Explosives</u>				
No explosives whatsoever may be used for alteration purposes unless otherwise stated				
<u>Taking Out and Removal of Asbestos</u>				
Taking out and removing asbestos roof, gutters, underlay, fibreglass, downpipes, etc.. must be in strict accordance with health and occupational safety regulations and a specialist firm must be contracted to dispose of the material				
<u>General</u>				
The contractor shall carry out the whole of the works with as little mess and noise as possible and with a minimum of disturbance to tenants in the building and to adjoining premises and their tenants. He shall provide proper protection and provide, erect and remove when directed, any temporary tarpaulins that may be necessary during the progress of the works, all to the satisfaction of the principal agent				
Doors, fanlights, windows, fittings, frames, linings, etc which are to remain the property of the employer shall be carefully taken out, temporarily stored, transported over a distance of approximately 100km to store and handed over to the employer				
Carried Forward			R	
Bill No. 3 Alterations and demolitions				

<p style="text-align: right;">Brought Forward</p> <p>Doors, fanlights, windows, fittings, frames, linings, etc which are to be re-used shall be thoroughly overhauled before refixing including taking off, easing and rehanging, cramping up, re-wedging as required and making good cramps, dowels, etc, and oiling, adjusting and repairing ironmongery as necessary, replacing any glass damaged in removal or subsequently and stopping up all nail and screw holes with tinted plastic wood to match timber, unless otherwise described. Re-painting or re-varnishing is given separately</p> <p>Prices for taking out of doors, windows, etc shall include for removal of all beads, architraves, ironmongery, etc</p> <p>Prices for taking out and removing doors and frames shall include for removing door stops, cabin hooks, etc</p> <p>With regard to building up of openings in existing walls, cement screeds and pavings, granolithic, tops of walls, etc, shall be levelled and prepared for raising of brickwork</p> <p>Making good of finishes shall include making good of the brick and concrete surfaces onto which the new finishes are applied, where necessary</p> <p>The contractor will be required to take all dimensions affecting the existing buildings on the site and he will be held solely responsible for the accuracy of all such dimensions where used in the manufacture of new items (doors, windows, fittings, etc)</p>			R	
<p style="text-align: right;">Carried Forward</p> <p>Bill No. 3 Alterations and demolitions</p>			R	

Brought Forward				R
<u>TEMPORARY BARRICADES, SCREENS, ETC</u>				
<u>Protection from damage</u>				
3/102	All existing floors, doors, windows, fittings, ceilings, roofs, etc shall be protected from any damage during the duration of the works.			
	Damage resulting from the repairs, alterations, renovations or demolitions shall be made good by the contractor at his own expense.		Item	
<u>Temporary barricades, screens, roofs, etc including removal</u>				
3/103	Dust screen 2 700mm high, of suitable framing with 375 micron polyethylene sheeting stapled on one side, including corners, ends, etc	m	261	
3/104	Extra over galvanised steel pedestrian gate, including lock, etc	No	1	
3/105	Extra over galvanised steel vehicle gate, including lock, etc	No	1	
<u>REMOVAL OF EXISTING WORK</u>				
<u>Breaking up and removing</u>				
3/106	85mm Thick reinforced concrete surface beds, paving, etc	m ²	382	
<u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc completely (new work elsewhere measured) including carting away</u>				
3/107	Asbestos gutters including underlay, ends, and fixings, etc. complete and provision of certificate of safe disposal for asbestos to be furnished to the project manager	m	834	
3/108	Asbestos downpipes including underlay, ends, and fixings, etc. complete and provision of certificate of safe disposal for asbestos to be furnished to the project manager	m	551	
3/109	Asbestos fascia boards, barge boards and fixings	m	730	
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Bill No. 3 Alterations and demolitions				

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CIVIL AND STRUCTURAL MAINTENANCE TO RIDGE PARK COLLEGE
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3/110	Fibre-cement fascia boards, barge boards and fixings	m	249	
3/111	Gypsum plasterboard ceilings including cornices, timber brandering, etc. (walkways)	m ²	1 520	
3/112	Flat roof waterproofing membrane and scabble concrete roof, as per engineer's instruction	m ²	1 520	
	<u>Hacking up/off and removing vinyl tiles including removing mortar bed or adhesive from concrete or brickwork and preparing surfaces for new screed, plaster, tile finish, etc</u>			
3/113	Damaged vinyl tiles to floors	m ²	476	
	<u>MAKING GOOD OF FINISHES ETC</u>			
	<u>Scrapping off existing paint on steel, repaint with one coat zinc phosphate alkyd resin primer, one coat universal undercoat and two full coats high gloss enamel paint and make good</u>			
3/114	On 100mm diameter steel posts	m ²	67	
	<u>Repairs and making good of finishes, etc</u>			
3/115	Making good wooden stage flooring and finishing stage flooring with rust scat oil based polyurethane enamel, as per Architect's specification	m ²	84	
	<u>Fill in cracks between facebrick with sika mortar additive to strengthen bond, as per engineer's instruction</u>			
3/116	Between facebrick	m	20	
	<u>Making good 600 x 1 200 x 15mm pre-painted "OWA premium" or similar approved acoustic panels to match existing panels in school hall on white powder coated suspension grid system, including hangers, necessary hold-down clips and wedges, etc, where required timber brandering</u>			
3/117	Ceilings in patches, to match existing	m ²	84	
	<u>Making good internal cement plaster</u>			
3/118	On concrete columns	m ²	12	
	Carried Forward			R
	Bill No. 3			
	Alterations and demolitions			

Brought Forward			R
<u>STRUCTURAL REPAIRS</u>			
<u>Repair cracks to walls instruction:</u>			
1. Clean dirty. Greasy surfaces, chalked paint coating with sugar soap solution or water soluble degreaser			
2. All loose and flaking paint to be removed to sound substrate using a sharp paint scraper and firm hand pressure			
3. Scrub open cracks and damp areas with HTH (chlorine and water 1-4(20% solution) or sodium hypochlorite)			
4. Fine hair cracks (-0.3mm) to be sanded lightly			
5. Medium cracks (+0.3mm to 2mm) rack out with a scraper blade and fill with polyurea in accordance to manufacture's instruction			
6. Large cracks (+2mm) to be opened out with carborundum disk in an inverted V-shaped to 3mm or larger			
7. Fill large cracks and cracks occurring at joints with polyurea crack filler using an industrial pump gun			
8. Apply one coat patch (alkali resistant primer) and 3 coats emulsion paint (Paint measured elsewhere)			
<u>Repair cracks on walls by exposing cracks, filling crack as per engineers specification, make good plasters and prepare for paint (paint measured elsewhere)</u>			
3/119	On block walls	m	418
3/120	On brick walls	m	418
<u>Repair cracks on floors by exposing cracks, filling crack as per engineers specification, make good screed and prepare for finish (finish measured elsewhere)</u>			
3/121	On floors	m	293
Carried Forward			R
Bill No. 3 Alterations and demolitions			

**DEVELOPMENT BANK OF SOUTHERN AFRICA
CIVIL AND STRUCTURAL MAINTENANCE TO RIDGE PARK COLLEGE
EMIS NUMBER: 500255744**

	Brought Forward		R
3/122	<p>Repair structural joint cracks on walkway floors by exposing cracks, filling crack, and applying "A.B.E." Duracord preformed joint filler including cutting jointex back to fit preformed joint filler as per engineers specification, and make good screed</p> <p>On walkway floors</p>	m	67
3/123	<p>Repair structural joint cracks on walkway floors by exposing cracks, filling crack, and applying "Dura.cord" permanent preformed joint filler including cutting jointex back to fit preformed joint filler as per engineers specification, and make good screed</p> <p>On walkway floors</p>	m	67
	Carried Forward		R
	Bill No. 3 Alterations and demolitions		

Brought Forward				R
<u>REMOVAL OF EXISTING EXTERNAL WORKS</u>				
<u>Hacking up of existing combi court with 50mm asphalt topping including 3.4m high diamond mesh fence including footings to steel posts, including carting away and dump to dumping site located by the contractor and prepare to receive new topping (topping elsewhere measured)</u>				
3/124	Existing combi court	m²	1 296	
3/125	Extra over existing steel netball posts and accessories	No	4	
3/126	Extra over existing steel soccer posts and net, including accessories	No	4	
<u>CLEANING AND MAKING GOOD EXISTING ITEMS</u>				
3/127	Clean and unblock entire storm water system		Item	
<u>SUNDRIES</u>				
<u>Contractor to inspect site to determine extent of affected areas before pricing and must use licensed pest control and provide proof thereof upon completion</u>				
3/128	Termite treatment to affected areas		Item	
3/129	Treat wood borer infestation to affected areas		Item	
TOTAL CARRIED TO FINAL SUMMARY				R
Bill No. 3				
Alterations and demolitions				

Item No	Quantity	Rate	Amount R
<u>BILL NO. 4</u>			
<u>CONCRETE, FORMWORK, AND REINFORCEMENT</u>			
<u>CONCRETE REPAIR WORKS</u>			
Contractor is to refer to the method statement provided by the engineer before pricing the bills of quantities			
<u>CONCRETE COLUMN REPAIR FOR DAMAGES AND CRACKS</u>			
Columns may be repaired by using one or more of the following methods:			
<p>1. Supplemental columns in place of the existing column. This is the most practical solution we propose to be carried out on the site.</p> <p>2. Encasement or enlargement of the column cross section (jacketing). It is possible but in this case, this will reduce the trafficable space.</p> <p>3. The application of a protection system to prevent future corrosion is not possible as most of the reinforcement at the bottom section of the column have corroded & decayed beyond economic patching.</p> <p>Following parameters is important for the design and the execution of the column repair:</p> <p><u>a. Unloading Columns</u> In those cases where the column deterioration is significant, unloading the column is usually required so that the entire cross section of the repaired column is capable of carrying the reintroduced design load. It is difficult and sometimes expensive to unload columns, especially in multi-floor buildings but a necessary step in this case. This is carried out by jacking the locality of the building that is carried by the column to be removed.</p>			
Carried Forward			R
Bill No. 4 Concrete, formwork, and reinforcement			

		Brought Forward			R
		<p><u>b. Concrete & Reinforcing Steel Removal</u> The removal of concrete and the corroded cage of the column after it has been unloaded. Prepare the surfaces to accept the new bars according to the design. The lap length of such a splice must be provided between the main bars and the dowel bars. The partially corroded reinforcing bars anchored in the slabs that are left in place must be thoroughly cleaned by sandblasting to obtain bare metal. If need be a corrosion inhibitor must be applied.</p> <p><u>c. Replacement of the column</u> This can be done using reinforced concrete or structural steelwork. Concrete column is preferred due to issues of corrosion in Durban as it is in coastal zone. Rebar dowels to be placed at the top of the floor slab and at the soffit of the upper slab. These will be followed by the main cage.</p> <p>d. Column formwork and its support shores will be fitted followed by concrete placement. A self-compacting and levelling mix must be proposed. SANS 10100 Pt. 1, will guide on the removal of the shutters.</p> <p><u>Repair concrete column from damages and cracks by following instructions outlined above and detailed in the method statement, all as per engineer's specification, make good plaster and prepare for paint (plaster and paint measured elsewhere)</u></p>			
4/130	On columns		m		
		<p><u>ALIGNMENT OF THE WALKWAY SLAB AT JOINTS</u></p> <p>The concrete is spalling and the newer side has settled by as much as 85mm.</p> <p>The following instructions cover surface preparation and repair of damaged or defective concrete surfaces at the joint interface.</p> <p>The repair method consists of investigation and evaluation, concrete removal, preparation for repair, repair materials and concrete repair method and rehabilitation of concrete surfaces.</p>			
		Carried Forward			R
	Bill No. 4 Concrete, formwork, and reinforcement				

<p style="text-align: center;">Brought Forward</p> <p><u>INVESTIGATION AND EVALUATION OF DAMAGED CONCRETE SURFACES</u></p> <p>Before performing repairs on damaged or defective surfaces, a visual inspection of the exposed concrete on site shall be performed. The purpose of such an examination is to locate, identify and define areas of distress.</p> <p>Other typical construction faults that may be found during visual inspection:</p> <ul style="list-style-type: none"> - Bug holes - Cold joints - Exposed reinforcing steel - Honeycombing - Irregular surface <p><u>CONCRETE REMOVAL</u></p> <p>All weak, damaged and easily removable concrete should be chipped away. The surface of the lower surface up to 1500mm from the joint.</p> <p>Impacting method (for honeycombed and exposed re-bar)</p> <ul style="list-style-type: none"> - Generally employ the repeated striking of a concrete surface with a mass to fracture and spall the concrete <p>Hand-held breaker with moderate impact must be used.</p> <ul style="list-style-type: none"> - Using hand-held breaker or chipping hammer for removal of unsound concrete. <p>Steel chisel and hammer</p> <ul style="list-style-type: none"> - Dismounting unsound and loose concrete and trimming the repaired surfaces <p>Grinding (for abrupt or gradual irregular surfaces)</p> <ul style="list-style-type: none"> - Rubbing carborundum on gradual irregular surfaces <p>Using grinding machine with concrete grinding disc</p> <p>Cutting</p> <ul style="list-style-type: none"> - Method applicable for making cutouts through concrete members to a depth of 25mm or above the top rebars. No rebars are to be cut in the process. Using concrete wheel cutter 	<p style="text-align: center;">R</p>
<p style="text-align: center;">Carried Forward</p> <p>Bill No. 4 Concrete, formwork, and reinforcement</p>	<p style="text-align: center;">R</p>

Item No		Quantity	Rate	Amount R
	BILL NO. 5 WATERPROOFING SUPPLEMENTARY PREAMBLES <u>Waterproofing</u> Waterproofing of roofs, basements, etc shall be laid under a ten year guarantee. Waterproofing to roofs shall be laid to even falls to outlets etc with necessary ridges, hips and valleys. Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs <u>WATERPROOFING TO EXISTING ROOFS, BASEMENTS, ETC</u> <u>4mm "Derbigum SP" waterproofing covered with type 40 bituminous fibreglass felt loose laid protection layer with coarse building sand blinding</u>			
5/132	On flat floors	m²	1 520	
TOTAL CARRIED TO FINAL SUMMARY				R
Bill No. 5 Waterproofing				

Item No	Unit	Quantity	Rate	Amount R
<u>BILL NO. 6</u>				
<u>CARPENTRY AND JOINERY</u>				
<u>Fixing</u>				
Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete				
Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere				
<u>Decorative thermosetting plastic laminate covering</u>				
Laminate covering shall be glued under pressure and edge strips of same shall be butt jointed at junctions with adjacent similar finish				
<u>PREAMBLES</u>				
The contractor is referred to the Model Preambles for Trades (2017 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.				
Carried Forward				R
Bill No. 6 Carpentry and joinery				

Brought Forward			R
<u>ROOFS ETC</u>			
<u>PREFABRICATED TIMBER ROOF TRUSSES, ETC</u>			
<u>Sundry roof timbers</u>			
6/133	300 x 50mm SAP laminated purlins bolted to mild steel	m	669
<u>EAVES, VERGES, ETC.</u>			
<u>Everite Nutec medium density fibre-cement boards or other approved fibre cement boards</u>			
6/134	15 x 225mm Fascia boards, including galvanised steel H-profile jointing strips	m	883
6/135	15 x 225mm Barge boards, including galvanised H-profile jointing strips	m	96
<u>SKIRTING</u>			
<u>19mm Meranti skirting board screwed to wall plug with 19mm meranti quarter round nailed to meranti board. All nails and screws to be recessed and filled with wood filler, including varnish</u>			
6/136	76mm High skirting including 19mm diameter quadrant bead, nailed	m	257
TOTAL CARRIED TO FINAL SUMMARY			
Bill No. 6			
Carpentry and joinery			
			R

DEVELOPMENT BANK OF SOUTHERN AFRICA
CIVIL AND STRUCTURAL MAINTENANCE TO RIDGE PARK COLLEGE
EMIS NUMBER: 500255744

Item No		Unit	Quantity	Rate	Amount R
	<u>BILL NO. 7</u>				
	<u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u>				
	<u>PREAMBLES</u>				
	The contractor is referred to the Model Preambles for Trades (2017 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.				
	<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 are measured elsewhere				
	<u>Ceilings</u>				
	Unless otherwise described ceilings shall be deemed to be horizontal				
	<u>NAILED UP CEILINGS</u>				
	<u>4mm Nutec fibre cement ceiling or similar approved nailed to 38x38mm SA Pine grade 6 bandering</u>				
7/137	Ceilings including 38 x 38mm sawn softwood bandering	m²	1 520		
	<u>Gypsum plasterboard cornices</u>				
7/138	75mm Coved cornices, plugged	m	1 421		
	TOTAL CARRIED TO FINAL SUMMARY			R	
	Bill No. 7				
	Ceilings, partitions and access flooring				

DEVELOPMENT BANK OF SOUTHERN AFRICA
CIVIL AND STRUCTURAL MAINTENANCE TO RIDGE PARK COLLEGE
EMIS NUMBER: 500255744

Item No		Unit	Quantity	Rate	Amount R
	<u>BILL NO. 8</u>				
	<u>FLOOR COVERINGS, WALL LININGS, ETC</u>				
	<u>Fixing</u>				
	Floor coverings, wall linings, etc shall, where applicable, be fixed with adhesive as recommended by the manufacturers of the flooring, linings, etc				
	<u>PREAMBLES</u>				
	The contractor is referred to the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.				
	<u>FLOOR COVERINGS</u>				
	<u>2.5mm thick x 300mm x 300mm semi-flexible vinyl tiles manufactured in accordance with SANS 581 and laid in approved acrylic adhesive which has been spread using a trowel fitted with an A2 notched blade at a rate of between 5.5m² and 6.5m² per litre on a previously prepared Class 1 sub floor in accordance with SANS 10070, using approved self leveller (self levelling screed measured elsewhere) when required, including all cutting and waste</u>				
8/139	On floors	m ²	476		
	<u>POLISH, SEALERS, ETC</u>				
	<u>The newly laid floor must, after 72 hours, be stripped using approved stripper, scrubbed using a diluted solution of approved rinse and then sealed with 3 coats of approved silk matt Sealer.</u>				
8/140	On vinyl floor tiles	m ²	476		
	TOTAL CARRIED TO FINAL SUMMARY			R	
	Bill No. 8				
	Floor coverings, wall linings, etc				

DEVELOPMENT BANK OF SOUTHERN AFRICA
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[illegible]

Item No		Unit	Quantity	Rate	Amount R
	<u>BILL NO. 10</u>				
	<u>PLUMBING AND DRAINAGE</u>				
	<u>PREAMBLES</u>				
	The contractor is referred to the Model Preambles for Trades (2017 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.				
	<u>SUPPLEMENTARY PREAMBLES</u>				
	<u>DESCRIPTIONS AND PREAMBLES</u>				
	Reference shall be made to other trades for preambles and full descriptions of items not fully described in this trade which shall apply equally to work in this trade, unless otherwise described				
	<u>RATES</u>				
	Rates for all piping, fittings, etc shall include for all fixing in position of fittings, cutting of chases in brickwork or concrete, excavation of trenches, backfilling, etc unless otherwise described				
	<u>DIAMETER OF PIPES</u>				
	Diameters stated for pipes, traps, valves, etc are internal diameters, except uPVC, polyethylene, stainless steel and copper pipes for which external diameters are stated				
	<u>REDUCING FITTINGS</u>				
	Where fittings have reducing ends or branches they are described as "reducing" In the case of pipes with diameters not exceeding 60mm, only the largest end or branch is given. Should the contractor wish to use other fittings and bushes or reducers, he may do so on the understanding that no claim in this regard will be entertained In the case of pipes with diameters exceeding 60mm, all sizes are given and no claim for extra bushes, reducers, etc will be entertained				
	Carried Forward				
	Bill No. 10 Plumbing and drainage			R	

Brought Forward				R
<u>uPVC PIPES AND FITTINGS</u>				
Sewer and drainage pipes and fittings shall be according to SABS 791, jointed and sealed with butyl rubber rings Soil, waste and vent pipes and fittings shall be according to SABS 967 and solvent jointed Cold water supply pressure pipes and fittings shall be according to SABS 966 and jointed by means of the "Lyng" type jointing system Pipes shall be fixed and jointed according to SABS 0112				
<u>RAINWATER DISPOSAL</u>				
<u>Pre-painted seamless aluminium ogee gutters, rainwater pipes and accessories in long lengths</u>				
10/143	103 x 145mm U-shaped industrial ogee eaves gutter fixed to fibre cement fascia	m	834	
10/144	Extra over 103 x 145mm gutter for angle	No	36	
10/145	Extra over 103 x 145mm gutter for stopped end	No	5	
10/146	Extra over 103 x 145mm gutter for 100mm rainwater pipe outlet including galvanised wire balloon grating	No	104	
10/147	100 x 100mm Fluted aluminium downpipes with baked enamel finish	m	551	
10/148	Extra over 100mm rainwater pipe for bend	No	167	
10/149	Extra over 100mm rainwater pipe for shoe	No	104	
10/150	Extra over 100mm rainwater pipe for eaves or plinth offset	No	42	
TOTAL CARRIED TO FINAL SUMMARY				R
Bill No. 10 Plumbing and drainage				

Item No		Unit	Quantity	Rate	Amount R
	<u>BILL NO. 11</u>				
	<u>PAINTWORK</u>				
	<u>PREAMBLES</u>				
	The contractor is referred to the Model Preambles for Trades (2017 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.				
	<u>SUPPLEMENTARY PREAMBLES</u>				
	Descriptions of paintwork shall be deemed to include for all cutting in				
	<u>PAINT SPECIFICATION</u>				
	All materials for paintwork for which South African Bureau of Standards specifications have been published shall comply the requirements of such specifications and shall bear the standardisation mark of the South African Bureau of Standards on the container or packing. Materials for paintwork for which no SABS specifications have been published shall be of a brand and manufacture approved by the Director-General prior to its use				

	<u>PAINTWORK, ETC TO EXISTING WORK ON</u>				
	<u>ON FLOATED PLASTER SURFACES</u>				
	<u>One coat alkali resistant primer and two coats anti-rust enamel paint for exterior use</u>				
11/151	On walls	m ²	2 015		
	<u>ON CONCRETE SURFACES</u>				
	<u>One coat alkali resistant primer and two coats anti-rust enamel paint for exterior use</u>				
11/152	On walls	m ²	12		
11/153	On concrete soffits and beams	m ²	201		
	Carried Forward			R	
	Bill No. 11 Paintwork				

Brought Forward			R
<u>PAINTWORK, ETC TO NEW WORK ON</u> <u>ON INTERNAL FLOATED PLASTER SURFACES</u> <u>One coat alkali resistant primer and two coats PVA emulsion paint for interior use</u>			
11/154	Ceilings and beams ("White" colour group)	m ²	1 520
<u>FIBRE-CEMENT</u> <u>Prepare and apply one coat zinc chromate to nail heads and H-spline strips, one universal undercoat, stop and apply two finishing coats of eggshell enamel on:</u>			
11/155	Fascias, bargeboards, etc.	m ²	470
TOTAL CARRIED TO FINAL SUMMARY			R
Bill No. 11 Paintwork			

DEVELOPMENT BANK OF SOUTHERN AFRICA
CIVIL AND STRUCTURAL MAINTENANCE TO RIDGE PARK COLLEGE
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Item No		Quantity	Rate	Amount R
	<u>BILL NO. 12</u>			
	<u>EXTERNAL WORKS</u>			
	<u>COMBI COURT</u>			
	<u>Re-Surfacing of Combi Court (Volleyball, Tennis & Netball) Court 18 000 x 36 000mm</u>			
12/156	Laser levelling to desired falls	m ²	1 296	
12/157	Compaction of natural or excavated ground surface , including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 95% Mod AASHTO density for each layer	m ²	1 296	
	<u>Base</u>			
12/158	Surveying and placing of level pegs (cross fall±300mm)	m ²	1 296	
12/159	Treatment of court with weed killer	m ²	1 296	
12/160	Apply & laser level a base course of suitable gravel/crusher run	m ²	1 296	
12/161	Apply course of 13mm crusher stone, spray with bitumen SS60	m ²	1 296	
12/162	Apply a course of 6.7mm stone, spray with bitumen SS60 emulsion	m ²	1 296	
12/163	Crusher stone – G1; 13.2mm; 6.7mm, DM4, Fibre, oxides,SS60 Liquid Tar, Silica sand/ Washed; plaster Sand, Poles, Nets & Line Marking Paint	m ²	1 296	
12/164	Laying of a Bara-Mesh sheet all over the Court	m ²	1 296	
12/165	Apply the slurry layer. The first slurry must be compacted to get the right level and to make the bara-mesh bond with the hard surface & slurry	m ²	1 296	
	<u>TESTS</u>			
	Carried Forward		R	
	Bill No. 12 External works			

DEVELOPMENT BANK OF SOUTHERN AFRICA
CIVIL AND STRUCTURAL MAINTENANCE TO RIDGE PARK COLLEGE
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Brought Forward				R
	<u>Prescribed tests to determine degree of compaction or other properties of ground or filling</u>			
12/166	"Modified AASHTO Density" test	No	43	
	<u>Mastic Layers</u>			
12/167	Apply by squeegees 2x colourless layers	m ²	1 296	
12/168	Apply by squeegees 2x colour layers according to clients requirement	m ²	1 296	
12/169	Mark/paint linear and circular lines to international standards with moisture and UV resistant paint. Colouring the interior of the court with green, and red on the edges, & line markings markings with white paint for volleyball, yellow for netball & grey for tennis	m ²	1 296	
12/170	Supply & installations of permanent netball goal post, and removable volleyball net posts with sleeves (goal post must be painted in antique green gloss enamel paint)	No	4	
12/171	Supply and installations of new nets. - design & constructing of a 3.6m high structure of the fence with one gate 900 x 1800mm high (the structure of the fence must be painted with antique green gloss enamel paint) - supply and installations of 3.6m height chain – link galvanized diamond mesh fence	No	4	
	<u>COMBI COURT FENCE</u>			
	<u>Welded steel mesh fence with posts, panels and gates to Combi Court, including concrete footings</u>			
12/172	4 500 x 6 000mm High welded steel mesh fence to Combi Courts with posts	m	238	
	<u>EXTERNAL DRAINAGE SYSTEM</u>			
	<u>Earth filling supplied by the contractor, compacted to 95% Mod AASHTO density</u>			
12/173	Over site to make up levels	m ³	57	
	Carried Forward			R
	Bill No. 12			
	External works			

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CIVIL AND STRUCTURAL MAINTENANCE TO RIDGE PARK COLLEGE
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		Brought Forward		R
		<u>Compaction of surfaces</u>		
12/174	Compaction of natural or excavated ground surface , including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 95% Mod AASHTO density for each layer	m ²	382	
		<u>Storm water drainage</u>		
12/175	100mm Thick shallow equal 'V' shaped rectangular 20mpa concrete drainage channel 1m - 2m wide overall including all earthworks, formwork and ref 193 mesh reinforcement cast in panels not exceeding 2m long with and including alternate saw cuts and construction joints, backfilling etc. and finishing tops and sides smooth with a wood float	m	99	
12/176	Dished rainwater channel 1000mm wide x 150mm thick including excavation, in situ compaction, sloping of ground to profile, concrete, steel floated finish to falls and profiles, formwork, ref 193 mesh, etc., including laying panels not exceeding 1200mm long	m	99	
TOTAL CARRIED TO FINAL SUMMARY				R
Bill No. 12				
External works				

DEVELOPMENT BANK OF SOUTHERN AFRICA
CIVIL AND STRUCTURAL MAINTENANCE TO RIDGE PARK COLLEGE
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Item No		Unit	Quantity	Rate	Amount R
	<u>BILL NO. 13</u>				
	<u>PROVISIONAL SUMS</u>				
	<u>Grid Inlets</u>				
13/177	Allow the sum of R50 000.00 (Fifty Thousand Rands only), for the supply and installation of grid inlets as per engineer's specification		Item		50 000.00
13/178	Allow for profit			%	
13/179	Allow for attendance			%	
	<u>Decanting electrical works</u>				
13/180	Allow the sum of R27 000.00 (Twenty Seven Thousand Rands only), for the electrical installation relating to the decanting units, complete		Item		27 000.00
13/181	Allow for profit			%	
13/182	Allow for attendance			%	
	<u>Decanting plumbing works</u>				
13/183	Allow the sum of R45 000.00 (Forty Five Thousand Rands only), for the plumbing installation relating to the decanting units, complete		Item		45 000.00
13/184	Allow for profit			%	
13/185	Allow for attendance			%	
	<u>Community Liason Officer</u>				
13/186	Provide an amount of R60 000.00 (Sixty Thousand Rands only) for Community Liason Officer's Salary to be omitted in part or whole as instructed by Principal Agent (R10 000 per month)		Item		60 000.00
	TOTAL CARRIED TO FINAL SUMMARY			R	
	Bill No. 13				
	Provisional sums				

DEVELOPMENT BANK OF SOUTHERN AFRICA
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	Contingencies at 5%		R
	Subtotal		R
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TOTAL CARRIED TO FORM OF TENDER			R