

**PROVISIONAL BILL OF QUANTITIES
 RENOVATION OF ROOF - DIAGNOSTICS MEDIA PRODUCTS BUILDING
 SANDRINGHAM CAMPUS**

Item No		Quantity	Amount
	<p><u>SECTION 1</u></p> <p><u>BILL NO 1</u></p> <p><u>PRELIMINARY NOTES</u></p> <p><u>BUILDING AGREEMENT AND PRELIMINARIES</u></p> <p>The JBCC Principal Building Agreement (Edition 6.2 - May 2018) prepared by the Joint Building Contracts Committee shall be the applicable building agreement, amended as hereinafter described</p> <p>The JBCC Principal Building Agreement contract data form an integral part of this agreement</p> <p>The JBCC General Preliminaries (May 2018) published by the Joint Building Contracts Committee for use with the JBCC Principal Building Agreement (Edition 6.2 - May 2018) shall be deemed to be incorporated in these bills of quantities, amended as hereinafter described</p> <p>The contractor is deemed to have referred to the abovementioned documents for the full intent and meaning of each clause</p> <p>The clauses in the abovementioned documents are hereinafter referred to by clause number and heading only</p> <p>Where any item is not relevant to this agreement such item is marked N/A signifying "not applicable"</p> <p>Where standard clauses or alternatives are not entirely applicable to this agreement such amendments, modifications, corrections or supplements as will apply are given under each relevant clause heading and such amendments, modifications, corrections or supplements shall take precedence notwithstanding anything to the contrary contained in the abovementioned documents</p>		
	Carried Forward	R	
	Section No. 1 Bill No. 1 Preliminaries		

Brought Forward

R

PREAMBLES FOR TRADES

*The General Preambles for Trades 2017 published by the Association of South African Quantity Surveyors is designed to support and extend the abbreviated descriptions utilised in these bills of quantities by inter alia referring to SANS construction standards. **Where such preambles are not applicable** (eg where BS or Euro construction standards are applicable or the design consultants provide other preambles/specifications for insertion), users are to ensure that the abbreviated descriptions when read in conjunction with the Standard System of Measuring Building Work (seventh edition) for works within South Africa or the Standard Method of Measuring Building Work for Africa 2015 (first edition) for works elsewhere in Africa, represent the full description by extending the abbreviated bills of quantities descriptions and/or by inserting appropriate preambles or specifications*

Note that the text of the Standard System of Measuring Building Work (seventh edition) and that of the Standard Method of Measuring Building Work for Africa 2015 (first edition) is the same

The latest version of the General Preambles for Trades should be referred to should the General Preambles for Trades 2017 be revised in future

The General Preambles for Trades 2017 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 General Preambles will be entertained

Supplementary preambles and/or specifications are incorporated in these **bills of quantities** to satisfy the requirements of this project. Such supplementary preambles and/or specifications shall take precedence over the provisions of the General Preambles

The **contractor's** prices for all items throughout these **bills of quantities** shall take account of and include where applicable for all of the obligations, requirements and specifications given in the General Preambles and in any supplementary preambles and/or specifications

STRUCTURE OF THESE PRELIMINARIES BILLS

Section A : A recital of the headings of the individual clauses in the aforementioned **JBCC** Principal Building Agreement

Section B : A recital of the headings of the individual clauses in the aforementioned **JBCC** General Preliminaries

Section C : Any special clauses to meet the particular circumstances of the project

Carried Forward

R

Section No. 1
 Bill No. 1
 Preliminaries

**PROVISIONAL BILL OF QUANTITIES
 RENOVATION OF ROOF - DIAGNOSTICS MEDIA PRODUCTS BUILDING
 SANDRINGHAM CAMPUS**

Brought Forward

R

PRICING OF PRELIMINARIES

Should the **contractor** select Option A in the **contract data** for the adjustment of **preliminaries**, the amounts entered against the relevant items in these **preliminaries** are to be divided into one or more of the three categories provided namely fixed (F), value related (V) and time related (T)

Carried Forward to Summary of Section No. 1

R

Section No. 1
 Bill No. 1
 Preliminaries

**PROVISIONAL BILL OF QUANTITIES
 RENOVATION OF ROOF - DIAGNOSTICS MEDIA PRODUCTS BUILDING
 SANDRINGHAM CAMPUS**

Item No		Quantity	Rate	Amount
	<p><u>SECTION 1</u></p> <p><u>BILL NO 2</u></p> <p><u>SECTION A: PRINCIPAL BUILDING AGREEMENT</u></p> <p><u>Interpretation (A1-A7)</u></p>			
1	<p>Clause 1.0 - Definitions and interpretation</p> <p>Pricing of bills of quantities</p> <p>The contractor is to allow opposite each item for all costs in connection therewith. All prices to include, unless otherwise stated, for all materials, fabrication, conveyance and delivery, unloading, storing, unpacking, hoisting, labour, setting, fitting and fixing in position, cutting and waste (except where to be measured in accordance with the standard system of measurement), patterns, models and templates, plant, temporary works, returning of packaging, duties, taxes (other than Value Added Tax), imposts, establishment charges, overheads, profit and all other obligations arising out of this agreement. Value Added Tax (VAT) is to be separately stated on the summary page of these bills of quantities</p> <p>Items left unpriced will be deemed to be covered in prices against other items throughout these bills of quantities and no claim for any extras arising out of the contractor's omission to price any item will be entertained</p> <p>Prices for all construction equipment, temporary works, services and other items shall include for the supply, maintenance, operating cost and subsequent removal and making good as necessary</p> <p>Abbreviated descriptions</p>			
	Carried Forward		R	
	<p>Section No. 1 Bill No. 2 JBCC Preliminaries</p>			

**PROVISIONAL BILL OF QUANTITIES
 RENOVATION OF ROOF - DIAGNOSTICS MEDIA PRODUCTS BUILDING
 SANDRINGHAM CAMPUS**

Brought Forward				R	
<p>The items in these bills of quantities utilise abbreviated descriptions. It is the intention that the abbreviated descriptions be fully described when read with the applicable measuring system and the relevant preambles and/or specifications. However, should the full intent and meaning of any description not be clear, the contractor shall, before submission of his tender, call for a written directive from the principal agent, failing which it shall be assumed that the contractor has allowed in his pricing for materials and workmanship in terms of international best practice</p> <p>Legal status of contractor</p> <p>If the contractor constitutes a joint venture, consortium or other unincorporated grouping of two or more persons then:</p> <ol style="list-style-type: none"> 1. These persons are deemed to be jointly and severally liable to the employer for the performance of this agreement 2. These persons shall notify the employer of their leader who has assigned authority to bind the contractor and each of these persons 3. The contractor shall not alter its composition or legal status without the prior written consent of the employer <p>F:..... V:..... T:.....</p>				Item	
2	Clause 2.0 - Law , regulations and notices				Item
	F:..... V:..... T:.....				
3	Clause 3.0 - Offer and acceptance				
	F:..... V:..... T:.....				Item
	Carried Forward				R
Section No. 1 Bill No. 2 JBCC Preliminaries					

**PROVISIONAL BILL OF QUANTITIES
 RENOVATION OF ROOF - DIAGNOSTICS MEDIA PRODUCTS BUILDING
 SANDRINGHAM CAMPUS**

	Brought Forward		R
4	<p>Clause 4.0 - Cession and assignment</p> <p>F:..... V:..... T:.....</p>	Item	
5	<p>Clause 5.0 - Documents</p> <p>Value Added Tax</p> <p>Provision is made in the summary page of these bills of quantities for the inclusion of Value Added Tax (VAT)</p> <p>Priced document as specification</p> <p>Clause 5.4 is deemed to be deleted</p> <p>The principal agent shall decide which portion of the priced document may be used as a specification of materials and goods or methods, if any</p> <p>Electronic issue of drawings</p> <p>All drawings for this project will be issued electronically and the contractor shall be deemed to have received such drawings on the date that such drawings have been dispatched electronically [5.6]</p> <p>F:..... V:..... T:.....</p>	Item	
6	<p>Clause 6.0 - Employer's agents</p> <p><i>Delegated authority may be dealt with in B 5.0 of the contract data. Insert in the contract data "Refer to Bill No. 1 (Preliminaries)" should it be dealt with in Bill No. 1</i></p> <p>Delegated authority</p> <p>The authority of the principal agent to issue contract instructions [17.1] and perform duties for specific aspects of the works is delegated to agents as follows [6.2]. This does not preclude the principal agent from issuing such contract instructions:</p> <p><i>Add delegated authority as may be required for other relevant consultants not listed hereinafter</i></p>		
	Carried Forward		R
	<p>Section No. 1 Bill No. 2 JBCC Preliminaries</p>		

**PROVISIONAL BILL OF QUANTITIES
RENOVATION OF ROOF - DIAGNOSTICS MEDIA PRODUCTS BUILDING
SANDRINGHAM CAMPUS**

<p style="text-align: center;">Brought Forward</p> <p>1. <u>Architect</u></p> <p><i>Note that the contract instructions hereinafter are selected from those listed in clause 17.1 of the JBCC PBA</i></p> <p>1.1 Duties [6.2] :</p> <p>The architect is responsible for the architectural design, functional design and quality inspection of the works</p> <p>1.2 Contract instructions [6.2; 17.1] :</p> <p>1.2.1 Rectification of discrepancies, errors in description or quantity or omission of items in the agreement other than in the JBCC Principal Building Agreement</p> <p>1.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works</p> <p>1.2.3 The site [13.0]</p> <p>1.2.4 Compliance with the law, regulations and bylaws [2.1]</p> <p>1.2.5 Provision and testing of samples of materials and goods and/or of finishes and assemblies of elements of the works</p> <p>1.2.6 Opening up of work for inspection, removal or re-execution [23.2.4; 26.4.2]</p> <p>1.2.7 Removal or re-execution of work</p> <p>1.2.8 Removal or substitution of any materials and goods</p> <p>1.2.9 Protection of the works</p> <p>1.2.10 Making good physical loss and repairing damage to the works [23.2.2]</p> <p>1.2.11 Rectification of defects [21.2]</p> <p style="text-align: center;">Carried Forward</p> <p>Section No. 1 Bill No. 2 JBCC Preliminaries</p>	R	
	R	

**PROVISIONAL BILL OF QUANTITIES
RENOVATION OF ROOF - DIAGNOSTICS MEDIA PRODUCTS BUILDING
SANDRINGHAM CAMPUS**

	Brought Forward		R
<p>1.2.12 A list for practical completion specifying outstanding or defective work to be rectified to achieve practical completion, a list for completion and a list for final completion specifying outstanding or defective work to be rectified to achieve final completion</p> <p>1.2.13 Expenditure of budgetary allowances, prime cost amounts and provisional sums</p> <p>1.2.14 Appointment of a subcontractor [14.0; 15.0]</p> <p>1.2.15 Work by direct contractors [16.0]</p> <p>1.2.16 On suspension or termination, protection of the works, removal of construction equipment and surplus materials and goods [29.0]</p> <p>2. <u>Quantity surveyor</u></p> <p>2.1 Duties [6.2] :</p> <p>The quantity surveyor is responsible for all measurements, valuations, financial assessments and all other quantity surveying and cost control functions of the works</p> <p>2.2 Contract instructions [6.2; 17.1] :</p> <p>2.2.1 No contract instructions delegated to the quantity surveyor</p> <p>3. <u>Civil and structural engineer</u></p> <p><i>Note that the contract instructions hereinafter are selected from those listed in clause 17.1 of the JBCC PBA</i></p> <p>3.1 Duties [6.2] :</p> <p>The civil and structural engineer is responsible for all aspects of civil and structural engineering design and quality inspection of the works</p>			
	Carried Forward		R
<p>Section No. 1 Bill No. 2 JBCC Preliminaries</p>			

**PROVISIONAL BILL OF QUANTITIES
RENOVATION OF ROOF - DIAGNOSTICS MEDIA PRODUCTS BUILDING
SANDRINGHAM CAMPUS**

	Brought Forward		R
3.2 Contract instructions [6.2; 17.1] :			
3.2.1 Rectification of discrepancies, errors in description or quantity or omission of items in the agreement other than in the JBCC Principal Building Agreement			
3.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works			
3.2.3 The site [13.0]			
3.2.4 Compliance with the law , regulations and bylaws [2.1]			
3.2.5 Provision and testing of samples of materials and goods and/or of finishes and assemblies of elements of the works			
3.2.6 Opening up of work for inspection, removal or re-execution [23.2.4; 26.4.2]			
3.2.7 Removal or re-execution of work			
3.2.8 Removal or substitution of any materials and goods			
3.2.9 Protection of the works			
3.2.10 Making good physical loss and repairing damage to the works [23.2.2]			
3.2.11 Rectification of defects [21.2]			
3.2.12 A list for practical completion specifying outstanding or defective work to be rectified to achieve practical completion , a list for completion and a list for final completion specifying outstanding or defective work to be rectified to achieve final completion			
3.2.13 Expenditure of budgetary allowances, prime cost amounts and provisional sums			
4. <u>Mechanical engineer</u>			
	Carried Forward		R
Section No. 1 Bill No. 2 JBCC Preliminaries			

**PROVISIONAL BILL OF QUANTITIES
RENOVATION OF ROOF - DIAGNOSTICS MEDIA PRODUCTS BUILDING
SANDRINGHAM CAMPUS**

Brought Forward		R
<p><i>Note that the contract instructions hereinafter are selected from those listed in clause 17.1 of the JBCC PBA</i></p>		
<p>4.1 Duties [6.2] :</p> <p>The mechanical engineer is responsible for all aspects of mechanical engineering design and quality inspection of the works and, where appointed by the employer for quantity surveying services in respect of the mechanical installations, for all measurements, valuations, financial assessments and all other quantity surveying and cost control functions</p>		
<p>4.2 Contract instructions [6.2; 17.1] :</p>		
<p>4.2.1 Rectification of discrepancies, errors in description or quantity or omission of items in the agreement other than in the JBCC Principal Building Agreement</p>		
<p>4.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works</p>		
<p>4.2.3 Compliance with the law, regulations and bylaws [2.1]</p>		
<p>4.2.4 Provision and testing of samples of materials and goods and/or of finishes and assemblies of elements of the works</p>		
<p>4.2.5 Opening up of work for inspection, removal or re-execution [23.2.4; 26.4.2]</p>		
<p>4.2.6 Removal or re-execution of work</p>		
<p>4.2.7 Removal or substitution of any materials and goods</p>		
<p>4.2.8 Protection of the works</p>		
<p>4.2.9 Making good physical loss and repairing damage to the works [23.2.2]</p>		
<p>4.2.10 Rectification of defects [21.2]</p>		
<p>Carried Forward</p>		
<p>Section No. 1 Bill No. 2 JBCC Preliminaries</p>		<p>R</p>

Brought Forward			R
4.2.11 A list for practical completion specifying outstanding or defective work to be rectified to achieve practical completion , a list for completion and a list for final completion specifying outstanding or defective work to be rectified to achieve final completion			
4.2.12 Expenditure of budgetary allowances , prime cost amounts and provisional sums			
5. <u>Electrical engineer</u>			
<i>Insert the following but remove where the consultant is not relevant to this agreement. Edit both the duties and the contract instructions of the consultant <u>in keeping with the wishes of the principal agent</u></i>			
5.1 Duties [6.2] :			
The electrical engineer is responsible for all aspects of electrical engineering design and quality inspection of the works and, where appointed by the employer for quantity surveying services in respect of the electrical installations, for all measurements, valuations, financial assessments and all other quantity surveying and cost control functions			
5.2 Contract instructions [6.2; 17.1] :			
5.2.1 Rectification of discrepancies, errors in description or quantity or omission of items in the agreement other than in the JBCC Principal Building Agreement			
5.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works			
5.2.3 Compliance with the law , regulations and bylaws [2.1]			
5.2.4 Provision and testing of samples of materials and goods and/or of finishes and assemblies of elements of the works			
Carried Forward			R
Section No. 1 Bill No. 2 JBCC Preliminaries			

**PROVISIONAL BILL OF QUANTITIES
RENOVATION OF ROOF - DIAGNOSTICS MEDIA PRODUCTS BUILDING
SANDRINGHAM CAMPUS**

	Brought Forward		R
5.2.5 Opening up of work for inspection, removal or re-execution [23.2.4; 26.4.2]			
5.2.6 Removal or re-execution of work			
5.2.7 Removal or substitution of any materials and goods			
5.2.8 Protection of the works			
5.2.9 Making good physical loss and repairing damage to the works [23.2.2]			
5.2.10 Rectification of defects [21.2]			
5.2.11 A list for practical completion specifying outstanding or defective work to be rectified to achieve practical completion , a list for completion and a list for final completion specifying outstanding or defective work to be rectified to achieve final completion			
5.2.12 Expenditure of budgetary allowances, prime cost amounts and provisional sums			
6. <u>Wet services engineer</u>			
<i>Note that the contract instructions hereinafter are selected from those listed in clause 17.1 of the JBCC PBA</i>			
6.1 Duties [6.2] :			
The wet services engineer is responsible for all aspects of wet services engineering design and quality inspection of the works			
6.2 Contract instructions [6.2; 17.1] :			
6.2.1 Rectification of discrepancies, errors in description or quantity or omission of items in the agreement other than in the JBCC Principal Building Agreement			
	Carried Forward		R
Section No. 1 Bill No. 2 JBCC Preliminaries			

**PROVISIONAL BILL OF QUANTITIES
RENOVATION OF ROOF - DIAGNOSTICS MEDIA PRODUCTS BUILDING
SANDRINGHAM CAMPUS**

	Brought Forward	R
6.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works		
6.2.3 Compliance with the law , regulations and bylaws [2.1]		
6.2.4 Provision and testing of samples of materials and goods and/or of finishes and assemblies of elements of the works		
6.2.5 Opening up of work for inspection, removal or re-execution [23.2.4; 26.4.2]		
6.2.6 Removal or re-execution of work		
6.2.7 Removal or substitution of any materials and goods		
6.2.8 Protection of the works		
6.2.9 Making good physical loss and repairing damage to the works [23.2.2]		
6.2.10 Rectification of defects [21.2]		
6.2.11 A list for practical completion specifying outstanding or defective work to be rectified to achieve practical completion , a list for completion and a list for final completion specifying outstanding or defective work to be rectified to achieve final completion		
6.2.12 Expenditure of budgetary allowances, prime cost amounts and provisional sums		
7. <u>Fire consultant</u>		
<i>Note that the contract instructions hereinafter are selected from those listed in clause 17.1 of the JBCC PBA</i>		
7.1 Duties [6.2] :		
The fire consultant is responsible for all aspects of rational fire design and quality inspection of the works		
	Carried Forward	R
Section No. 1 Bill No. 2 JBCC Preliminaries		

**PROVISIONAL BILL OF QUANTITIES
 RENOVATION OF ROOF - DIAGNOSTICS MEDIA PRODUCTS BUILDING
 SANDRINGHAM CAMPUS**

Brought Forward				R
7.2 Contract instructions [6.2; 17.1] :				
7.2.1 Rectification of discrepancies, errors in description or quantity or omission of items in the agreement other than in the JBCC Principal Building Agreement				
7.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works				
7.2.3 Compliance with the law , regulations and bylaws [2.1]				
7.2.4 Provision and testing of samples of materials and goods and/or of finishes and assemblies of elements of the works				
7.2.5 Opening up of work for inspection, removal or re-execution [23.2.4; 26.4.2]				
7.2.6 Removal or re-execution of work				
7.2.7 Removal or substitution of any materials and goods				
7.2.8 Protection of the works				
7.2.9 Making good physical loss and repairing damage to the works [23.2.2]				
7.2.10 Rectification of defects [21.2]				
7.2.11 A list for practical completion specifying outstanding or defective work to be rectified to achieve practical completion , a list for completion and a list for final completion specifying outstanding or defective work to be rectified to achieve final completion				
7.2.12 Expenditure of budgetary allowances, prime cost amounts and provisional sums				
F:..... V:..... T:.....			Item	
Carried Forward				R
Section No. 1 Bill No. 2 JBCC Preliminaries				

**PROVISIONAL BILL OF QUANTITIES
 RENOVATION OF ROOF - DIAGNOSTICS MEDIA PRODUCTS BUILDING
 SANDRINGHAM CAMPUS**

	Brought Forward		R	
7	Clause 7.0 - Design responsibility F:..... V:..... T:.....	Item		
	<u>Insurances and securities (A8-A11)</u>			
8	Clause 8.0 - Works risk F:..... V:..... T:.....	Item		
9	Clause 9.0 - Indemnities F:..... V:..... T:.....	Item		
10	Clause 10.0 - Insurances F:..... V:..... T:.....	Item		
11	Clause 11.0 - Securities <i>If it is deemed advisable, the <u>extent</u> of any guarantee for payment may be stated and whether it is required of the contractor to waive his lien. Edit the following clause:</i> F:..... V:..... T:.....	Item		
	<u>Execution (A12 - A17)</u>			
12	Clause 12.0 - Obligations of the parties Office accommodation The contractor shall provide, maintain and remove on practical completion air conditioned office accommodation with suitable tables and chairs for meetings to be held on the site . Such offices shall be kept clean and fit for use at all times [12.2.18]			
	Carried Forward		R	
	Section No. 1 Bill No. 2 JBCC Preliminaries			

**PROVISIONAL BILL OF QUANTITIES
 RENOVATION OF ROOF - DIAGNOSTICS MEDIA PRODUCTS BUILDING
 SANDRINGHAM CAMPUS**

	Brought Forward		R	
	<p>Notice board</p> <p>The contractor shall erect in a position approved by the principal agent, maintain and remove on practical completion a notice board recommended by the South African Institute of Architects and as approved by the principal agent listing the names and logos of the employer, the contractor and the professional consultants. No subcontractor or supplier notice boards may be erected unless permission is granted by the principal agent for such notice boards to be erected [12.2.18]</p> <p>Statutory and other notices</p> <p>The contractor shall submit and/or comply with all statutory and other notices that may be required by any local or other authority in order not to cause any delay to the commencement of the works by the contractor. The contractor shall pay all deposits or fees in this regard</p> <p>It is, however, specifically recorded that the employer shall be responsible for the timeous approval of building plans by any local or other authorities and the payment of any fees or charges related thereto</p> <p>F:..... V:..... T:.....</p>			
13	<p>Clause 13.0 - Setting out</p> <p>F:..... V:..... T:.....</p>	Item		
14	<p>Clause 14.0 - Nominated subcontractors</p> <p>F:..... V:..... T:.....</p>	Item		
15	<p>Clause 15.0 - Selected subcontractors</p> <p>F:..... V:..... T:.....</p>	Item		
	Carried Forward		R	
	<p>Section No. 1 Bill No. 2 JBCC Preliminaries</p>			

**PROVISIONAL BILL OF QUANTITIES
 RENOVATION OF ROOF - DIAGNOSTICS MEDIA PRODUCTS BUILDING
 SANDRINGHAM CAMPUS**

	Brought Forward		R
16	<p>Clause 16.0 - Direct contractors</p> <p>Attendance on direct contractors</p> <p>In respect of direct contractors the contractor shall:</p> <ol style="list-style-type: none"> 1. Designate an area for the direct contractor to establish a temporary office and workshop and storage of equipment and materials 2. Allow the use of personnel welfare facilities, where provided 3. Provide water, lighting and single phase electric power to a position within 50m of the place where the direct contract work is to be carried out, other than fuel or power for commissioning of any installation 4. Permit the direct contractor to use erected scaffolding, hoisting facilities, provided by the contractor, in common with others having the like right, while it remains erected on the site [16.1] <p>F:..... V:..... T:.....</p>	Item	
17	<p>Clause 17.0 - Contract instructions</p> <p>Site instructions</p> <p>Instructions issued on site are to be recorded in a site instruction book which is to be supplied and maintained on site by the contractor</p> <p>F:..... V:..... T:.....</p> <p><u>Completion (A18 - A24)</u></p>	Item	
18	<p>Clause 18.0 - Interim completion</p>	N/A	
19	<p>Clause 19.0 - Practical completion</p> <p>F:..... V:..... T:.....</p>	Item	
	Carried Forward		R
	<p>Section No. 1 Bill No. 2 JBCC Preliminaries</p>		

**PROVISIONAL BILL OF QUANTITIES
 RENOVATION OF ROOF - DIAGNOSTICS MEDIA PRODUCTS BUILDING
 SANDRINGHAM CAMPUS**

	Brought Forward		R
20	Clause 20.0 - Completion in sections F:..... V:..... T:.....	Item	
21	Clause 21.0 - Defects liability period and final completion F:..... V:..... T:.....	Item	
22	Clause 22.0 - Latent defects liability period F:..... V:..... T:.....	Item	
23	Clause 23.0 - Revision of the date for practical completion Substitution of materials and goods The removal or substitution of any materials and goods which do not conform to the specification or the contract drawings shall not constitute grounds for the extension of the construction period nor for the adjustment of the contract value [17.1.8; 23.1 & 2] F:..... V:..... T:.....	Item	
24	Clause 24.0 - Penalty for late or non-completion F:..... V:..... T:.....	Item	
	<u>Payment (A25 - A27)</u>		
25	Clause 25.0 - Payment		
	Carried Forward		R
	Section No. 1 Bill No. 2 JBCC Preliminaries		

**PROVISIONAL BILL OF QUANTITIES
 RENOVATION OF ROOF - DIAGNOSTICS MEDIA PRODUCTS BUILDING
 SANDRINGHAM CAMPUS**

	Brought Forward		R
	<p>Prices submitted</p> <p>Where prices are submitted by the contractor or subcontractor during the progress of the works in respect of contract instructions or in regard to a claim under the terms of this agreement and notwithstanding the fact that such prices may be used in an interim payment certificate, there is to be no presumption of acceptance. Should the principal agent wish to accept any such prices prior to the issue of the certificate of final completion, it shall be in writing</p> <p>F:..... V:..... T:.....</p>	Item	
26	<p>Clause 26.0 - Adjustment of the contract value and final account</p> <p>Fluctuations in costs</p> <p>All fluctuations in costs, with the exception of fluctuations in the rate of Value Added Tax, shall be for the account of the contractor [26.9.5]</p> <p>Tenant installation/user requirements delayed</p> <p>There is a possibility that certain works related to tenant installation/user requirements may have to be delayed and may consequently not be executed prior to practical completion</p> <p>Should the contractor be instructed to do so he shall execute this work under the conditions pertaining to this agreement on the basis that a separate amount for preliminaries appurtenant to this work (if applicable) is agreed to between the contractor and the principal agent and on condition that instruction to proceed with such work is given to him within a period of three (3) calendar months after the date of practical completion of the works</p> <p>The employer reserves the right to omit such work without compensation to the contractor for loss of profit or any other loss which the contractor may suffer as a result of such omission</p>		
	Carried Forward		R
	<p>Section No. 1 Bill No. 2 JBCC Preliminaries</p>		

**PROVISIONAL BILL OF QUANTITIES
RENOVATION OF ROOF - DIAGNOSTICS MEDIA PRODUCTS BUILDING
SANDRINGHAM CAMPUS**

	Brought Forward		R
	<p>Cost of claims</p> <p>All costs incurred by the contractor in the preparation of claims shall be borne by the contractor. This provision shall not preclude an adjudicator or an arbitrator appointed in terms of this agreement [30.6 & 7] from making a determination on costs</p> <p>Claims from subcontractors</p> <p>The contractor shall review, assess and adjudicate any claims received by him from any subcontractor and thereafter submit same to the principal agent with a recommendation in order to assist the principal agent in adjudicating the claim [26.6]</p> <p>F:..... V:..... T:.....</p>	Item	
27	<p>Clause 27.0 - Recovery of expense and/or loss</p> <p>F:..... V:..... T:.....</p>	Item	
	<p><u>Suspension and termination (A28 - A29)</u></p>		
28	<p>Clause 28.0 - Suspension by the contractor</p> <p>F:..... V:..... T:.....</p>	Item	
29	<p>Clause 29.0 - Termination</p> <p>F:..... V:..... T:.....</p>	Item	
	<p><u>Dispute resolution (A30)</u></p>		
30	<p>Clause 30.0 - Dispute resolution</p> <p>F:..... V:..... T:.....</p>	Item	
31	<p><u>Agreement</u></p>		
	Carried Forward		R
	<p>Section No. 1 Bill No. 2 JBCC Preliminaries</p>		

**PROVISIONAL BILL OF QUANTITIES
 RENOVATION OF ROOF - DIAGNOSTICS MEDIA PRODUCTS BUILDING
 SANDRINGHAM CAMPUS**

Brought Forward

The required information of the **parties** and the amount of the **contract sum** shall be inserted in the **agreement** for signature of the **agreement** by the **parties**

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

32 **Contract data**

Tenderer's selections

Before submission of his tender the **contractor** is to complete the tenderer's selections in the **contract data**

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

Item

Item

R

Carried Forward to Summary of Section No. 1

Section No. 1
 Bill No. 2
 JBCC Preliminaries

R

PROVISIONAL BILL OF QUANTITIES
 RENOVATION OF ROOF - DIAGNOSTICS MEDIA PRODUCTS BUILDING
 SANDRINGHAM CAMPUS

Item No		Quantity	Rate	Amount
	<u>SECTION 1</u>			
	<u>BILL NO. 3</u>			
	<u>SECTION B: GENERAL PRELIMINARIES</u>			
	<i>Amendments, modifications, corrections or supplements to the General Preliminaries in Section B should be recorded in the contract data</i>			
	<i>Should it be necessary to expand on any of the General Preliminaries clauses, the user should list the appropriate General Preliminary clause number and heading and insert the relevant provision under a suitable heading in bold as may be necessary</i>			
	<u>Definitions and interpretation (B1)</u>			
33	Clause 1.1 - Definitions F:..... V:..... T:.....			
		Item		
34	Clause 1.2 - Interpretation F:..... V:..... T:.....			
		Item		
	<u>Documents (B2)</u>			
35	Clause 2.1 - Checking of documents F:..... V:..... T:.....			
		Item		
36	Clause 2.2 - Provisional bills of quantities <i>Check "wet trades" included in the bills of quantities and edit the following clause as may be necessary</i>			
	Carried Forward			
	Section No. 1 Bill No. 3 General Preliminaries		R	

**PROVISIONAL BILL OF QUANTITIES
 RENOVATION OF ROOF - DIAGNOSTICS MEDIA PRODUCTS BUILDING
 SANDRINGHAM CAMPUS**

	Brought Forward		R
	Multiple procurement		
	These bills of quantities are in multiple procurement format ie the "wet trades" - earthworks, concrete, formwork and reinforcement, precast concrete, masonry, waterproofing and sub-surface drainage - are fully measured and the subsequent trades are budgetary allowances and/or provisional sums		
	F:..... V:..... T:.....	Item	
37	Clause 2.3 - Availability of construction information		
	F:..... V:..... T:.....	Item	
38	Clause 2.4 - Ordering of materials and goods		
	F:..... V:..... T:.....	Item	
	<u>Previous work and adjoining properties (B3)</u>		
39	Clause 3.1 - Previous work - dimensional accuracy		
	F:..... V:..... T:.....	Item	
40	Clause 3.2 - Previous work - defects		
	F:..... V:..... T:.....	Item	
41	Clause 3.3 - Inspection of adjoining properties		
	F:..... V:..... T:.....	Item	
	<u>The site (B4)</u>		
42	Clause 4.1 - Handover of site in stages		
	F:..... V:..... T:.....	Item	
43	Clause 4.2 - Enclosure of the works	Item	
	Carried Forward		R
	Section No. 1 Bill No. 3 General Preliminaries		

**PROVISIONAL BILL OF QUANTITIES
 RENOVATION OF ROOF - DIAGNOSTICS MEDIA PRODUCTS BUILDING
 SANDRINGHAM CAMPUS**

	Brought Forward		R
	F:..... V:..... T:.....		
44	Clause 4.3 - Geotechnical and other investigations		
	F:..... V:..... T:.....	Item	
45	Clause 4.4 - Encroachments		
	F:..... V:..... T:.....	Item	
46	Clause 4.5 - Existing premises occupied		
	F:..... V:..... T:.....	Item	
47	Clause 4.6 - Services - known		
	F:..... V:..... T:.....	Item	
	<u>Management of contract (B5)</u>		
48	Clause 5.1 - Management of the works		
	F:..... V:..... T:.....	Item	
49	Clause 5.2 - Progress meetings		
	F:..... V:..... T:.....	Item	
50	Clause 5.3 - Technical meetings		
	F:..... V:..... T:.....	Item	
	<u>Samples, shop drawings and manufacturer's instructions (B6)</u>		
51	Clause 6.1 - Samples of materials		
	F:..... V:..... T:.....	Item	
	Carried Forward		R
	Section No. 1 Bill No. 3 General Preliminaries		

**PROVISIONAL BILL OF QUANTITIES
 RENOVATION OF ROOF - DIAGNOSTICS MEDIA PRODUCTS BUILDING
 SANDRINGHAM CAMPUS**

	Brought Forward			R
52	Clause 6.2 - Workmanship samples F:..... V:..... T:.....	Item		
53	Clause 6.3 - Shop drawings F:..... V:..... T:.....	Item		
54	Clause 6.4 - Compliance with manufacturer's instructions F:..... V:..... T:.....	Item		
	<u>Deposits and fees (B7)</u>			
55	Clause 7.1 - Deposits and fees F:..... V:..... T:.....	Item		
	<u>Temporary services (B8)</u>			
56	Clause 8.1 - Water F:..... V:..... T:.....	Item		
57	Clause 8.2 - Electricity F:..... V:..... T:.....	Item		
58	Clause 8.3 - Ablution and welfare facilities F:..... V:..... T:.....	Item		
59	Clause 8.4 - Communication facilities F:..... V:..... T:.....	Item		
	<u>Prime cost amounts (B9)</u>			
60	Clause 9.1 - Responsibility for prime cost amounts			
	Carried Forward			R
	Section No. 1 Bill No. 3 General Preliminaries			

**PROVISIONAL BILL OF QUANTITIES
 RENOVATION OF ROOF - DIAGNOSTICS MEDIA PRODUCTS BUILDING
 SANDRINGHAM CAMPUS**

	Brought Forward		R
	<p><i>Where details of materials for which prime cost amounts are to be allowed <u>are</u> readily available, the quantity surveyor may elect to insert the relevant prime cost amounts in measured items, which measured items shall contain sufficient detail for the contractor to price for fixing and installation, waste</i></p> <p>F:..... V:..... T:.....</p>	Item	
	<p><u>Attendance on subcontractors (B10)</u></p>		
61	<p>Clause 10.1 - General attendance</p> <p><i>General attendance is defined as being the duties of the contractor in terms of clause 12.2 of the JBCC n/s subcontract agreement</i></p> <p>F:..... V:..... T:.....</p>	Item	
62	<p>Clause 10.2 - Special attendance</p> <p>F:..... V:..... T:.....</p>	Item	
	<p><u>General (B11)</u></p>		
63	<p>Clause 11.1 - Protection of the works</p> <p>F:..... V:..... T:.....</p>	Item	
64	<p>Clause 11.2 - Protection/isolation of existing works and works occupied in sections</p> <p>F:..... V:..... T:.....</p>	Item	
65	<p>Clause 11.3 - Security of the works</p> <p>F:..... V:..... T:.....</p>	Item	
	Carried Forward		R
	<p>Section No. 1 Bill No. 3 General Preliminaries</p>		

**PROVISIONAL BILL OF QUANTITIES
 RENOVATION OF ROOF - DIAGNOSTICS MEDIA PRODUCTS BUILDING
 SANDRINGHAM CAMPUS**

	Brought Forward		R
66	<p>Clause 11.4 - Notice before covering work</p> <p>F:..... V:..... T:.....</p>	Item	
67	<p>Clause 11.5 - Disturbance</p> <p><u>User note</u></p> <p><i>The following clause may be used should "disturbance" [11.5] need to be extended</i></p> <p>Disturbance</p> <p>All work is to be carried out in such a manner as to cause no unacceptable or unreasonable dust, noise, vibrations, nuisance, inconvenience, annoyance and the like to the public, others, other properties and traffic in so far as they exceed the permissible limitations set by government legislation or by the local authority. Any delays, stoppages and the like arising from or in order to comply with the above will not constitute grounds for an adjustment to the construction period or contract value whatsoever</p> <p>F:..... V:..... T:.....</p>	Item	
68	<p>Clause 11.6 - Environmental disturbance</p> <p>Controlling all forms of pollution</p> <p>The contractor shall be responsible for and take all precautions in controlling by whatever means necessary all forms of pollution emanating from the site during the construction period due inter alia to noise, artificial light, wind-blown sand, dust, deposits of mud</p> <p>The contractor is to ensure that all roads which border the site and are used by the contractor during the execution of the works are kept clean and free of any dirt or debris caused by the execution of the works</p> <p>Environmental management plan</p> <p>F:..... V:..... T:.....</p>	Item	
	Carried Forward		R
	<p>Section No. 1 Bill No. 3 General Preliminaries</p>		

**PROVISIONAL BILL OF QUANTITIES
 RENOVATION OF ROOF - DIAGNOSTICS MEDIA PRODUCTS BUILDING
 SANDRINGHAM CAMPUS**

	Brought Forward		R
69	Clause 11.7 - Works cleaning and clearing F:..... V:..... T:.....	Item	
70	Clause 11.8 - Vermin F:..... V:..... T:.....	Item	
71	Clause 11.9 - Overhand work F:..... V:..... T:.....	Item	
72	Clause 11.10 - Tenant installations F:..... V:..... T:.....	Item	
73	Clause 11.11 - Advertising F:..... V:..... T:.....	Item	
Carried Forward to Summary of Section No. 1			R
Section No. 1 Bill No. 3 General Preliminaries			

PROVISIONAL BILL OF QUANTITIES
 RENOVATION OF ROOF - DIAGNOSTICS MEDIA PRODUCTS BUILDING
 SANDRINGHAM CAMPUS

Item No		Quantity	Rate	Amount
	<p><u>SECTION 1</u></p> <p><u>BILL NO 4</u></p> <p><u>SECTION C: SPECIFIC PRELIMINARIES</u></p> <p><i>Users shall avoid inserting in Section C items which may be construed as amending, modifying, correcting or supplementing the provisions of the JBCC Principal Building Agreement. Such amendments, modifications, corrections or supplements should be kept to the absolute minimum and should be inserted in Section A under the recited clause headings of the JBCC Principal Building Agreement in this Bill No. 1</i></p> <p><i>Selected examples of typical clauses are provided to indicate ways of describing such clauses. Users must delete, adapt or add to these examples to suit their particular circumstances</i></p>			
74	<p>Warranties for materials and workmanship</p> <p>Where warranties for materials and/or workmanship are called for, the contractor shall obtain a written warranty, addressed to the employer, from the entity supplying the materials and/or executing the work and shall deliver same to the principal agent on final completion of the contract</p> <p>The warranty shall state that workmanship, materials and installation are warranted for a specific period from the date of practical completion and that any defects that may arise during the specified period shall be made good at the expense of the entity supplying the materials and/or doing the work, upon written notice to do so</p> <p>The warranty will not be enforced if the work is damaged by defects in the execution of the works, in which case the responsibility for replacement shall rest entirely with the contractor</p> <p>F:..... V:..... T:.....</p>	Item		
	Carried Forward		R	
	Section No. 1 Bill No. 4 Special Preliminaries			

**PROVISIONAL BILL OF QUANTITIES
 RENOVATION OF ROOF - DIAGNOSTICS MEDIA PRODUCTS BUILDING
 SANDRINGHAM CAMPUS**

	Brought Forward		R
75	<p>Overtime</p> <p>Should overtime be required to be worked for any reason whatsoever, the cost of such overtime is to be borne by the contractor unless the principal agent has specifically authorised, prior to execution thereof, that costs for such overtime are to be borne by the employer</p> <p>F:..... V:..... T:.....</p>	Item	
76	<p>Cooperation of the contractor for cost management</p> <p>It is specifically agreed that the contractor accepts the obligation of assisting the principal agent in implementing proper cost management. The contractor will be advised by the principal agent of all cost management procedures which will be implemented to ensure that the contract value does not exceed the budget</p> <p>F:..... V:..... T:.....</p>	Item	
77	<p>Overloading</p> <p>The contractor shall take all necessary steps to ensure that no damage occurs due to overloading of any portion of the works or temporary works eg scaffolding, etc. The contractor shall submit details of his proposed loading, storage, plant erection, etc to the principal agent for approval prior to proceeding with such loading, storing or erecting and shall comply with and pay for the principal agent's requirements in connection with the provision of temporary support work, etc. Any damage caused to the works by overloading shall be made good by the contractor at his sole expense</p> <p>F:..... V:..... T:.....</p>	Item	
	Carried Forward		R
	<p>Section No. 1 Bill No. 4 Special Preliminaries</p>		

**PROVISIONAL BILL OF QUANTITIES
 RENOVATION OF ROOF - DIAGNOSTICS MEDIA PRODUCTS BUILDING
 SANDRINGHAM CAMPUS**

	Brought Forward		R
78	<p>Propping of floors below</p> <p>The contractor is advised that propping of floors below may be required if he wishes to use any areas of completed suspended reinforced concrete slabs for vehicle access, storage of materials and goods and location of plant, scaffolding. The location of these areas and any necessary propping shall be approved by the principal agent and the cost thereof shall be borne by the contractor</p> <p>F:..... V:..... T:.....</p>	Item	
79	<p>Testing of flat roof waterproofing for watertightness</p> <p>Flat roof waterproof areas shall be flooded and kept "ponded" for at least forty eight (48) hours as a test to ensure the watertightness of the waterproofing and before any further construction work is carried out above the waterproofing</p> <p>F:..... V:..... T:.....</p>	Item	
80	<p>Broad based black economic empowerment (BBBEE)</p> <p>Tenders submitted will be evaluated taking into account their empowerment rating</p> <p>The employer will be monitoring the broad based black economic empowerment (BBBEE) status of the contractor throughout the execution of the works</p> <p>The contractor is to submit to the principal agent on an annual basis a schedule of spend, split into vendors engaged as subcontractors and suppliers indicating their BBBEE rating including proof of the said rating</p> <p>F:..... V:..... T:.....</p>	Item	
	Carried Forward		R
	<p>Section No. 1 Bill No. 4 Special Preliminaries</p>		

**PROVISIONAL BILL OF QUANTITIES
 RENOVATION OF ROOF - DIAGNOSTICS MEDIA PRODUCTS BUILDING
 SANDRINGHAM CAMPUS**

	Brought Forward		R
81	<p>Advertising rights</p> <p>The employer may elect to contract with advertising agencies for the erection of advertising hoardings, banners, wraps or the like for the duration of the contract. The contractor shall not prevent such an arrangement and will assist in the facilitation of same. The position and type of advertising structure to be agreed with the principal agent so as not to hinder the contractor in meeting his obligations under this agreement</p> <p>F:..... V:..... T:.....</p>	Item	
82	<p>Confidentiality</p> <p>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</p> <p>No information regarding this project shall be published or disclosed without the prior written consent of the employer</p> <p>F:..... V:..... T:.....</p>	Item	
83	<p>Media releases</p> <p>All rights of publication of articles in the media, together with any advertising relating thereto or in any way connected with this project, shall vest with the employer</p> <p>The contractor together with his subcontractors shall not, without the prior written consent of the employer, cause any statement or advertisement connected with this project to be printed, screened or aired by the media</p> <p>F:..... V:..... T:.....</p>	Item	
	Carried Forward		R
	<p>Section No. 1 Bill No. 4 Special Preliminaries</p>		

**PROVISIONAL BILL OF QUANTITIES
 RENOVATION OF ROOF - DIAGNOSTICS MEDIA PRODUCTS BUILDING
 SANDRINGHAM CAMPUS**

	Brought Forward		R	
<u>SUMMARY OF CATEGORIES</u>				
Category : Fixed	R 44883.46			
Category : Value	R 67325.19			
Category : Time	R 336626.96			
Carried Forward to Summary of Section No. 1				
Section No. 1			R	
Bill No. 4				
Special Preliminaries				

**PROVISIONAL BILL OF QUANTITIES
 RENOVATION OF ROOF - DIAGNOSTICS MEDIA PRODUCTS BUILDING
 SANDRINGHAM CAMPUS**

Bill No	SECTION SUMMARY - SECTION 1 - PRELIMINARIES AND GENERAL	Page No	Amount
1	Preliminaries	3	
2	JBCC Preliminaries	21	
3	General Preliminaries	28	
4	Special Preliminaries	33	
Carried to Final Summary			R
Section No. 1			

PROVISIONAL BILL OF QUANTITIES
 RENOVATION OF ROOF - DIAGNOSTICS MEDIA PRODUCTS BUILDING
 SANDRINGHAM CAMPUS

Item No		Quantity	Rate	Amount
	<p><u>SECTION 2</u></p> <p><u>BILL NO. 1</u></p> <p><u>ALTERATIONS</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>View site</u></p> <p><u>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</u></p> <p><u>Explosives</u></p> <p><u>No explosives whatsoever may be used for demolition purposes unless otherwise stated</u></p> <p><u>General</u></p> <p><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 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</u></p> <p><u>Water supply pipes and other piping that may be encountered and found necessary to disconnect or cut, shall be effectually stopped off or grubbed up and removed, and any new connections that may be necessary shall be made with proper fittings, to the satisfaction of the principal agent</u></p>			
	Carried Forward		R	
	<p>Section No. 2 Bill No. 1 Demotions and Alterations</p>			

**PROVISIONAL BILL OF QUANTITIES
 RENOVATION OF ROOF - DIAGNOSTICS MEDIA PRODUCTS BUILDING
 SANDRINGHAM CAMPUS**

			R
Brought Forward			
<p><u>Doors, fanlights, fittings, frames, linings, which are to be re-used shall be thoroughly overhauled before refixing including taking off, easing and rehangng, cramping up, re-wedging as required and making good cramps, dowels, and easing, oiling, adjusting and repairing ironmongery as necessary, replacing any glass damaged in removal or subsequently and stopping up all nail and screw holes with tinted plastic wood to match timber, unless otherwise described. Re-painting or re-varnishing is given separately</u></p> <p><u>Prices for taking out of doors, windows, shall include for removal of all beads, architraves, ironmongery.</u></p> <p><u>Prices for taking out and removing doors and frames shall include for removing door stops, cabin hooks, and making good floor and wall finishes to match existing</u></p> <p><u>With regard to building up of openings in existing walls, cement screeds and pavings, granolithic, tops of walls, shall be levelled and prepared for raising of brickwork</u></p> <p><u>Making good of finishes shall include making good of the brick and concrete surfaces onto which the new finishes are applied, where necessary</u></p> <p><u>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)</u></p> <p><u>Provide the necessary protection for existing work under roof including sanitaryware, tiled floors doors and windows were required.</u></p>			
1	Protection of existing works	Item	
	<u>Taking out and removing roof sheeting and packing it aside</u>		
2	Remove carefully roof sheeting	Item	
	<u>Taking out/off and carefully removing timber roof trusses</u>		
3	Remove carefully roof trusses	Item	
	Carried Forward		R
Section No. 2 Bill No. 1 Demotions and Alterations			

PROVISIONAL BILL OF QUANTITIES
 RENOVATION OF ROOF - DIAGNOSTICS MEDIA PRODUCTS BUILDING
 SANDRINGHAM CAMPUS

	Brought Forward		R
	<u>Breakaway/Taking out ceiling</u>		
4	Remove carefully existing ceiling	Item	
	<u>Breakaway/Taking floors</u>		
5	Remove the existing vinyl, and cart away	Item	
	<u>Strip existing Lighting installation in each building and disposing of the light fittings and debris as per the client's instructions</u>		
6	Disconnect and remove existing electrical connections to be reused and installed	Item	
	<u>Strip existing Plumbing installation in the roof space in each building and disposing of the light fittings and debris as per the client's instructions</u>		
7	Close off and remove existing plumbing and piping to be reused and installed	Item	
	<u>MAKING GOOD OF FINISHES</u>		
	<u>Making good of wall finishes</u>		
8	Making good of wall finishes	Item	
	<u>Making good of floor finishes</u>		
9	In-situ treatment of floors	Item	
	<u>CREDIT</u>		
	<u>Credit reusable material</u>		
10	Credit reusable material including roof sheeting and timber trusses	Item	
	Carried Forward to Summary of Section No. 2		R
	Section No. 2		
	Bill No. 1		
	Demotions and Alterations		

**PROVISIONAL BILL OF QUANTITIES
 RENOVATION OF ROOF - DIAGNOSTICS MEDIA PRODUCTS BUILDING
 SANDRINGHAM CAMPUS**

Item No		Unit	Quantity	Rate	Amount
	<p><u>SECTION NO. 2</u></p> <p><u>BILL NO. 2</u></p> <p><u>CONCRETE, FORMWORK AND REINFORCEMENT</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>General</u></p> <p>The Concrete works shall be in accordance with the Engineer's specifications as per Annexures "Part D.9 - Concrete Specifications" and "Part D.10 - Industrial Floor Specifications" appended hereto.</p> <p>The Contractor is to notify the Principal Agent immediately if a conflict between the Engineer's Specification, Architectural Drawings and/or these Bills of Quantities are found.</p> <p>The quantities are provisional and will be re-measured upon completion of the works. The Contractor shall not use these quantities for ordering of materials. The Contractor must immediately notify the Quantity Surveyor if discrepancies are found between the quantities and/or descriptions in these Bills of Quantities and the Contractor's quantities measured from construction drawings and specifications.</p> <p>Components cast against excavated surfaces have not been measured or described separately and the Contractor is to ensure adequate allowance for casting against excavated surfaces are made within the relevant items.</p> <p><u>Concrete</u></p> <p>All exposed sharp corners to be chamfered 25 x 25mm unless otherwise indicated</p>				
	Carried Forward				R
	<p>Section No. 2 Bill No. 2 Concrete, Formwork & Reinforcement</p>				

**PROVISIONAL BILL OF QUANTITIES
 RENOVATION OF ROOF - DIAGNOSTICS MEDIA PRODUCTS BUILDING
 SANDRINGHAM CAMPUS**

Brought Forward				R
<p><u>Cost of tests</u></p> <p>The costs of making, storing and testing of concrete test cubes as required under clause 7 "Tests" of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the principal agent. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval of the principal agent. (Test cubes are measured provisionally and separately)</p> <p><u>Formwork</u></p> <p>Descriptions of formwork shall be deemed to include use and waste only (except where described as "left in" or "permanent"), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use</p> <p>The vertical strutting shall be carried down to such construction as is sufficiently strong to afford the required support without damage and shall remain in position until the newly constructed work is able to support itself</p> <p>Formwork to soffits of solid slabs shall be deemed to be to slabs not exceeding 250mm thick unless otherwise described</p> <p>Formwork to soffits of slabs and beams shall be deemed to be propped up exceeding 1,5m and not exceeding 3,5m high unless otherwise described</p> <p><u>Finishing</u></p> <p>Finishing the surfaces of surface beds and slabs level and smooth to receive screed, grano or any other finish are deemed to be included in the rate for the surface bed or slab.</p> <p><u>Mesh reinforcement</u></p> <p>Mesh reinforcement is measured net, contractor to take consideration of lapping</p>				
Carried Forward				R
<p>Section No. 2 Bill No. 2 Concrete, Formwork & Reinforcement</p>				

PROVISIONAL BILL OF QUANTITIES
RENOVATION OF ROOF - DIAGNOSTICS MEDIA PRODUCTS BUILDING
SANDRINGHAM CAMPUS

	Brought Forward			R
	<u>UNREINFORCED CONCRETE CAST ON/IN FORMWORK</u>			
	<u>REINFORCED CONCRETE</u>			
	<u>30MPa/20mm concrete</u>			
11	Slabs including beams and inverted beams	m3	7	
12	Ring beam	m3	50	
	<u>TEST CUBES</u>			
	All tests done by the "Ready mix" supplier must be made available free of cost to the Engineer for approval. If the Engineer deems it necessary he will order supplementary tests to be done by an independant laboratory as measured below.			
13	Making and testing 150 x 150 x 150mm concrete strength test cube (<u>Provisional</u>)	No	9	
	<u>SMOOTH AND FAIR FORMWORK (DEGREE OF ACCURACY II)</u>			
	<u>Smooth formwork to sides</u>			
14	Beams propped to a height exceeding 3,5m and not exceeding 5m	m2	413	
15	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	27	
	<u>Smooth formwork to soffits</u>			
16	Slabs not exceeding 250mm thick propped to a height propped to a height exceeding 3,5m and not exceeding 5m	m2	5	
	<u>MOVEMENT JOINTS</u>			
	Carried Forward			R
	Section No. 2 Bill No. 2 Concrete, Formwork & Reinforcement			

**PROVISIONAL BILL OF QUANTITIES
 RENOVATION OF ROOF - DIAGNOSTICS MEDIA PRODUCTS BUILDING
 SANDRINGHAM CAMPUS**

	Brought Forward			R
17	<u>Isolation joints formed of 20 x 12mm deep silicone sealant, backing rope and closed cell polyurethane joint former</u> Between concrete surface roof and/or superstructure wall.	m	37	
	<u>REINFORCEMENT</u>			
	<u>Provision for mild steel and high tensile steel reinforcement</u>			
18	Varying diameters in bases and structural concrete work	t	6.57	
	<u>Fabric reinforcement</u>			
19	Type 245 fabric reinforcement in concrete slab	m2	41	
	Carried Forward to Summary of Section No. 2			R
	Section No. 2			
	Bill No. 2			
	Concrete, Formwork & Reinforcement			

**PROVISIONAL BILL OF QUANTITIES
 RENOVATION OF ROOF - DIAGNOSTICS MEDIA PRODUCTS BUILDING
 SANDRINGHAM CAMPUS**

Item No		Quantity	Rate	Amount
	<p><u>SECTION 2</u></p> <p><u>BILL NO 3</u></p> <p><u>MASONRY</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>BRICKWORK</u></p> <p><u>Sizes in descriptions</u></p> <p>Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick</p> <p><u>Hollow walls etc</u></p> <p>Descriptions of hollow walls shall be deemed to include leaving every fifth perpend of the bottom course of the external skin open as a weep hole.</p> <p>Walls in two skins described as "bagged and sealed" shall be deemed to include having the outer face of the inner skin bagged with 1:6 cement and sand mixture and sealed with two coats "Brixéal" bitumen emulsion waterproofing coating.</p> <p><u>Face bricks</u></p> <p>Bricks shall be ordered timeously to obtain uniformity in size and colour</p> <p><u>Pointing</u></p> <p>Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc</p>			
	Carried Forward		R	
	<p>Section No. 2 Bill No. 3 Mansory</p>			

**PROVISIONAL BILL OF QUANTITIES
 RENOVATION OF ROOF - DIAGNOSTICS MEDIA PRODUCTS BUILDING
 SANDRINGHAM CAMPUS**

	Brought Forward			R
	<u>SAMPLES</u>			
	Samples of all masonry building units, except those for walls described as "load bearing", shall consist of a minimum of 6 units. Samples of building units to be used in walls described as "load bearing" shall consist of 30 units from every 30 000 units delivered to site			
	<u>SUPERSTRUCTURE</u>			
	<u>Brickwork of NFP bricks in class II mortar</u>			
20	One brick walls	m2	956	
21	Beamfilling	m	275	
	<u>BRICKWORK SUNDRIES</u>			
	<u>Brickwork reinforcement</u>			
22	75mm Wide reinforcement built in horizontally	m	3,748	
23	150mm Wide reinforcement built in horizontally	m	275	
	<u>FACE BRICKWORK</u>			
	<u>Corobrick FBX face bricks in class II mortar pointed with flush horizontal and vertical joints: to match existing</u>			
24	Extra over brickwork for face brickwork	m2	295	
	Carried Forward to Summary of Section No. 2			R
	Section No. 2			
	Bill No. 3			
	Mansory			

**PROVISIONAL BILL OF QUANTITIES
 RENOVATION OF ROOF - DIAGNOSTICS MEDIA PRODUCTS BUILDING
 SANDRINGHAM CAMPUS**

Item No		Unit	Quantity	Rate	Amount
	<u>SECTION NO. 2</u>				
	<u>BILL NO. 4</u>				
	<u>WATERPROOFING</u>				
	<u>SUPPLEMENTARY PREAMBLES</u>				
	<u>General</u>				
	The quantities are provisional and will be re-measured upon completion of the works. The Contractor shall not use these quantities for ordering of materials. The Contractor must immediately notify the Quantity Surveyor if discrepancies are found between the quantities and/or descriptions in these Bills of Quantities and the Contractor's quantities measured from construction drawings and specifications.				
	<u>Waterproofing</u>				
	Waterproofing of roofs shall be laid under a ten year guarantee. Waterproofing to roofs shall be laid to even falls to outlets 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 ROOFS, BASEMENTS</u>				
	<u>Waterproofing to sloping screeds (elsewhere) on exposed roof slabs comprising of one layer "abe.® Unigum MS" dual reinforced mineral surface waterproofing membrane, fully bonded by means of "torch on fusion", with 100mm side laps and 150mm end laps, all in accordance with manufacturer's Technical Specifications and Applications Manual. All surfaces to be clean dry, sound and free of oils and laitance. Waterproofing to be installed by an Approved Contractor under a ten year guarantee</u>				
25	On roof slabs	m2	41		
26	Additional membranes, fillets and sealing at turn-ups and turn-downs	m	27		
	Carried Forward				R
	Section No. 2 Bill No. 4 Waterproofing				

PROVISIONAL BILL OF QUANTITIES
RENOVATION OF ROOF - DIAGNOSTICS MEDIA PRODUCTS BUILDING
SANDRINGHAM CAMPUS

	Brought Forward				
27	Additional membrane at 200mm diameter outlet	No	2		R
	<u>Testing</u>				
28	Allow for flood testing of the waterproofing installation		Item		
Carried Forward to Summary of Section No. 2					R
Section No. 2					
Bill No. 4					
Waterproofing					

PROVISIONAL BILL OF QUANTITIES
RENOVATION OF ROOF - DIAGNOSTICS MEDIA PRODUCTS BUILDING
SANDRINGHAM CAMPUS

Item No		Unit	Quantity	Rate	Amount
	<p><u>SECTION NO. 2</u></p> <p><u>BILL NO. 5</u></p> <p><u>ROOF COVERINGS AND CLADDINGS</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>The Contractor is to provide and allow in his price for the provision of a 10 years "weathering and non-peeling warranty" as well as a 20 years "Non-perforation warranty".</p> <p>The Contractor is to confirm the sizes for flashings and accessories and to ensure that their rates are for flashings and accessories that are in accordance with the manufacturer's requirements.</p> <p>The quantities are provisional and will be re-measured upon completion of the works. The Contractor shall not use these quantities for ordering of materials. The Contractor must immediately notify the Quantity Surveyor if discrepancies are found between the quantities and/or descriptions in these Bills of Quantities and the Contractor's quantities measured from construction drawings and specifications.</p> <p>All flashing finish to match sheeting finish</p> <p><u>Double-interlocking concealed-fix Klip-Lok 700 profile roll-formed in continuous lengths CHROMADEK COLOUR - ALOE GREEN: Coloured one side only, Laid on 76x50mm purlins at ±1200mm centres max, on insulation foil underlay, on training tape, on timber trusses - laid as per manufacturer's recommendation. All overlaps to be taped, on 38x114mm wallplates</u></p>				
29	Roof covering with pitches not exceeding 25 degrees	m2	2,794		
	<p><u>ROOF AND WALL INSULATION</u></p>				
	Carried Forward				R
	<p>Section No. 2</p> <p>Bill No. 5</p> <p>Roof Coverings & Claddings</p>				

**PROVISIONAL BILL OF QUANTITIES
RENOVATION OF ROOF - DIAGNOSTICS MEDIA PRODUCTS BUILDING
SANDRINGHAM CAMPUS**

	Brought Forward			R	
	<u>Mineral wool with fibreglass combination with 125mm thickness in compliance with SANS 10400 part XA for Climate Zone 5.</u>				
30	Insulation over the ceiling	m2	1,494		
31	<u>insulation foil underlay</u>	m2	2,794		
	<u>SHEET METAL FLASHINGS, LININGS, COPINGS,</u>				
	<u>Aluminium sheet</u>				
32	Ridge flashings to roof pitches exceeding 25 degrees	m	221		
33	Linings to valleys with riveted and soldered joints	m	43		
	<u>BUDGETARY ALLOWANCES</u>				
	<u>Gable end filling</u>				
34	Allow amount to be expended as the Principal Agent may direct or deduct in whole or in part, if not required.		Item		30,000.00
	Carried Forward to Summary of Section No. 2			R	
	Section No. 2				
	Bill No. 5				
	Roof Coverings & Claddings				

**PROVISIONAL BILL OF QUANTITIES
 RENOVATION OF ROOF - DIAGNOSTICS MEDIA PRODUCTS BUILDING
 SANDRINGHAM CAMPUS**

Item No	Quantity	Rate	Amount
<u>SECTION NO 2</u>			
<u>BILL NO 6</u>			
<u>CARPENTRY AND JOINERY</u>			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>Particle board:</u>			
Particle board shall comply with the following specifications:			
a) SABS 1300 Particle board: exterior and flooring type			
b) SABS 1301 Particle board: interior type			
<u>Joinery:</u>			
Descriptions of frames shall be deemed to include frames, transoms, mullions and rails			
Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes			
<u>Fixing</u>			
Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete			
<u>For supplementary preambles see the drawings listed below:</u>			
<u>xxxx</u>			
<u>ROOFS</u>			
Section No. 2 Bill No. 6 Carpentry & Joinery	Carried Forward		R

**PROVISIONAL BILL OF QUANTITIES
 RENOVATION OF ROOF - DIAGNOSTICS MEDIA PRODUCTS BUILDING
 SANDRINGHAM CAMPUS**

	Brought Forward			R
	<p><u>Roof construction of integrated Dutch Hipp and Mono-Pitch roof @ 18 Deg.pitch and @ 2 Deg. pitch, respectively, measuring 30 375 x 62 330 mm overall with and including 76x50mm purlins @ ±1200mm centres max laid on trusses with permanent bracing, wall plates, battens and clout nails. According to engineered designs and according to manufacturer's specification</u></p>			
35	Roof Trusses		Item	
	<p><u>12x300mm medium density fibre reinforced cement plain fascia boarding to Comply with SANS 10400 Part L</u></p>			
36	Fascia Boards	m	275	
	<p><u>WALL PLATE</u></p>			
37	<u>38 X 114mm Sawn wood wall plate</u>	m	275	
	<p><u>PURLINS</u></p>			
38	76x50mm purlins at ±1200mm centres	m2	2,794	
	Carried Forward to Summary of Section No. 2			R
	Section No. 2			
	Bill No. 6			
	Carpentry & Joinery			

**PROVISIONAL BILL OF QUANTITIES
 RENOVATION OF ROOF - DIAGNOSTICS MEDIA PRODUCTS BUILDING
 SANDRINGHAM CAMPUS**

Item No	Unit	Quantity	Rate	Amount
<u>SECTION NO. 2</u>				
<u>BILL NO. 7</u>				
<u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u>				
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>General</u>				
The relevant SABS standards of work must be applied to all aspects and components of the works				
Ceiling sub-structural system to engineers detail				
<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>Ceilings</u>				
Unless otherwise described ceilings shall be deemed to be horizontal				
<u>Bulkheads</u>				
Bulkheads are defined as those portions of ceilings which are stepped down from the general ceiling level in a particular room or area and which generally occur along the perimeter. Their purpose is either to conceal services or to create architectural features				
Bulkheads have only been described as such where they conform to the above definition and where the horizontal or vertical dimensions do not exceed 1 200mm. Where these dimensions are more than 1 200mm such portions of ceilings have been included in the appropriate general items of ceilings				
Carried Forward			R	
Section No. 2 Bill No. 7 Ceilings, Partitions & Access Flooring				

PROVISIONAL BILL OF QUANTITIES
RENOVATION OF ROOF - DIAGNOSTICS MEDIA PRODUCTS BUILDING
SANDRINGHAM CAMPUS

	Brought Forward			R
	Unless otherwise described bulkheads shall be deemed to be horizontal along the length			
	<u>Steel components</u>			
	All steel components for ceilings, partitions are to be galvanised in accordance with SANS 121			
	<u>CEILING</u>			
	<u>Suspended 600x1200 Vinyl Ceiling Tiles.</u>			
39	600x1200x12mm thick vinyl laminated gypsum board suspended ceiling tiles. Laid on pre-painted exposed Tee suspension system including galvanized main tees, cross tees, all strictly in accordance with the manufacturer's instructions	m2	51	
	<u>Suspended 600 x 1200 Fibre Cement Ceiling</u>			
40	Suspended 6mm thick Fibre cement ceiling boards on 600x1200mm Grid layout. Laid on pre-painted exposed Tee suspension system including galvanized main tees, cross tees, etc. all strictly in accordance with the manufacturer's instructions	m2	39	
	<u>Suspended 600 x 1200 Acoustic Ceiling</u>			
41	Suspended acoustic 20mm thick, white, moisture resistant 600x1200mm lay-in ceiling tiles. Laid on pre-painted exposed Tee suspension system including galvanized main tees, cross tees, etc. all strictly in accordance with the manufacturer's instructions	m2	850	
	<u>Branded Fibre Cement Ceiling</u>			
42	6mm thick Fibre cement ceiling boards fixed to 38x38mm timber branding, with H-Profile Jointing Strips . All strictly in accordance with the manufacturer's instructions	m2	267	
	Carried Forward			R
	Section No. 2 Bill No. 7 Ceilings, Partitions & Access Flooring			

PROVISIONAL BILL OF QUANTITIES
RENOVATION OF ROOF - DIAGNOSTICS MEDIA PRODUCTS BUILDING
SANDRINGHAM CAMPUS

	Brought Forward				R
	<u>Flash Ceiling</u>				
43	Plasterboard ceilings with 'H' profile jointing strips nailed to 38x38mm sw brandering. Trap door for ceiling access. 25mm aluminium Shadowline to all wall edges.	m2	157		
	<u>CORNICES</u>				
	<u>25mm Shadow joint between plastered walls and ceilings</u>				
44	25mm aluminium Shadow line	m	1,100		
	<u>Sundries</u>				
45	Trap Doors	No	10		
	<u>BUDGETARY ALLOWANCES</u>				
	<u>Specialist bulkheads</u>				
46	Allow amount for bulkheads to be expended as the Principal Agent may direct or deduct in whole or in part, if not required		Item		25,000.00
	Carried Forward to Summary of Section No. 2				R
	Section No. 2				
	Bill No. 7				
	Ceilings, Partitions & Access Flooring				

PROVISIONAL BILL OF QUANTITIES
RENOVATION OF ROOF - DIAGNOSTICS MEDIA PRODUCTS BUILDING
SANDRINGHAM CAMPUS

Item No		Unit	Quantity	Rate	Amount
	<u>SECTION NO. 2</u>				
	<u>BILL NO 8</u>				
	<u>FLOOR COVERINGS, WALL LININGS, ETC</u>				
	<u>Fixing</u>				
	Floor coverings, wall linings, shall, where applicable, be fixed with adhesive as recommended by the manufacturers of the flooring, linings				
	<u>FLOOR COVERINGS</u>				
	<u>2mm Eclipse Purr/classic mystique Purr vinyl sheeting with welded joints (maintenance free) as per suppliers specification on self levelling smooth finish (screed elsewhere)</u>				
47	On floors	m2	1,364		
	<u>SKIRTINGS, NOSINGS, CAPPING</u>				
	<u>2mm Eclipse Purr/classic mystique Purr vinyl sheeting skirting including cove fillet and capping</u>				
48	120mm high vinyl skirting against the wall	m	1,211		
	Carried Forward to Summary of Section No. 2				
	Section No. 2				R
	Bill No. 8				
	Floor coverings, wall linings, etc				

PROVISIONAL BILL OF QUANTITIES
RENOVATION OF ROOF - DIAGNOSTICS MEDIA PRODUCTS BUILDING
SANDRINGHAM CAMPUS

Item No		Unit	Quantity	Rate	Amount
	<u>SECTION NO. 2</u>				
	<u>BILL NO. 9</u>				
	<u>PLASTERING</u>				
	<u>SUPPLEMENTARY PREAMBLES</u>				
	<u>General</u>				
	The relevant SABS standards of work must be applied to all aspects and components of the works				
	<u>SCREEDS</u>				
	<u>Self levelling screed on concrete</u>				
49	On floors and landings	m2	1,364		
	<u>INTERNAL PLASTER</u>				
50	On walls	m2	456		
	<u>SOFFITS</u>				
51	Concrete slab soffit to receive plaster and paint.	m2	130		
	Carried Forward to Summary of Section No. 2				
	Section No. 2				
	Bill No. 9				
	Plastering				
				R	

**PROVISIONAL BILL OF QUANTITIES
 RENOVATION OF ROOF - DIAGNOSTICS MEDIA PRODUCTS BUILDING
 SANDRINGHAM CAMPUS**

Item No		Unit	Quantity	Rate	Amount
	<p><u>SECTION NO. 2</u></p> <p><u>BILL NO. 10</u></p> <p><u>PLUMBING AND DRAINAGE</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Sealing of edges</u></p> <p>Outer edges of sinks, basins, baths, urinals are to be sealed against adjacent surfaces with approved silicone</p> <p><u>Reducing fittings</u></p> <p>Where fittings have reducing ends or branches they are described as "reducing" and only the largest end or branch size is given. Should the contractor wish to use other fittings and bushes or reducers he may do so on the understanding that no claim in this regard will be entertained</p> <p><u>Fixing of pipes</u></p> <p>Unless specifically otherwise stated, descriptions of pipes shall be deemed to include fixing to walls, casting in, building in or suspending not exceeding 1m below suspension level</p> <p><u>Disinfection of water pipework</u></p> <p>Water pipework is to be disinfected at completion in accordance with SABS 1200L (provision for disinfection elsewhere)</p> <p><u>As-built drawings</u></p> <p>Where required, the contractor shall prepare an updated set of as-built drawings. At completion of the contract the contractor shall hand these drawings to the principal agent for reproducing onto the originals for handing over to the employer (provision for allowance of as-built drawings elsewhere)</p>				
	Carried Forward				R
	<p>Section No. 2 Bill No. 10 Plumbing & Drainage</p>				

PROVISIONAL BILL OF QUANTITIES
RENOVATION OF ROOF - DIAGNOSTICS MEDIA PRODUCTS BUILDING
SANDRINGHAM CAMPUS

	Brought Forward				R
	<u>NOTE:</u>				
	The internal plumbing, drainage and fittings within this bill are measured in accordance with the conditions of the Standard System of Measuring Building Work for Small or Simple Buildings - 1999 Second Edition and the items are to be priced accordingly.				

	<u>RAINWATER DISPOSAL</u>				
	<u>100x75mmx0.6mm Fluted aluminum down pipes with baked enamel finish, sized in accordance with the requirements of 4.3, of Part R SANS 10400</u>				
52	100mm Diameter rainwater pipes	m	60		
53	Extra over for roof outlet including M8 Bolt	No	2		
54	Extra over for pipe connector to gutter outlet	No	15		
55	Extra over single socket bends	No	15		
56	Extra over downpipe for shoe	No	15		
	<u>OGEE 125x75mmx0.6mm Seamless aluminum proprietary eaves gutter sized in accordance with the requirements of 4.3, of Part R SANS 10400</u>				
57	125x75mmx0.6mm Seamless aluminum proprietary eaves gutter	m	275		
	<u>BUDGETARY ALLOWANCES</u>				
	<u>Water supply systems</u>				
58	Allow the amount for alterations to water supply system to be expended as the Principal Agent may direct or deduct in whole or in part, if not required			Item	22,500.00
	<u>AS-BUILT DRAWINGS</u>				
59	Provision of as-built drawings			Item	
	Carried Forward to Summary of Section No. 2				
	Section No. 2				
	Bill No. 10				
	Plumbing & Drainage				

PROVISIONAL BILL OF QUANTITIES
RENOVATION OF ROOF - DIAGNOSTICS MEDIA PRODUCTS BUILDING
SANDRINGHAM CAMPUS

Item No		Unit	Quantity	Rate	Amount
	<u>SECTION NO. 2</u>				
	<u>BILL NO. 11</u>				
	<u>PAINTWORK</u>				
	<u>SUPPLEMENTARY PREAMBLES</u>				
	<u>PAINT SPECIFICATIONS</u>				
	All painting shall be done in accordance with "Plascon Professional Range" specifications and is to carry the "Plascon Professional Range" guarantee that is similar to that of the "Flagship" range guarantee. The contractor is to ensure that the project is registered with "Plascon" on their prescribed forms and that "Plascon" does the periodic follow-ups and final report in order to provide the guarantee.				
	<u>COLOURS</u>				
	Paintwork has <u>not</u> been individually classified into the NCS' different colour groups ("White", "Pastel", "Deep" and "Transparent") and unless otherwise described all paintwork shall be deemed to be in the categories "White" or "Pastel"				
	<u>PAINTWORK TO NEW WORK</u>				
	<u>ON INTERNAL FLOATED PLASTER SURFACES</u>				
	<u>Make good and prepare existing wall surface as per manufacturer's specification and apply 1 undercoat & 2 coats Plascon Wall and All</u>				
60	Internal walls	m2	1,659		
	<u>PAINT WORK TO PLASTERED SOFFITS</u>				
61	Concrete slab soffits	m2	130		
	<u>ON PLASTERBOARD SURFACES</u>				
	Carried Forward			R	
	Section No. 2 Bill No. 11 Paintwork				

PROVISIONAL BILL OF QUANTITIES
RENOVATION OF ROOF - DIAGNOSTICS MEDIA PRODUCTS BUILDING
SANDRINGHAM CAMPUS

Brought Forward				R
	<u>Prepare and apply 1coat Plascon plaster primer (uc 56) and 2ct plascon velvagio satin sheen white (vl01) sand lightly. When dry. All excess compound to be feathered out and cleaned off, all to manufacturer's specification</u>			
62	Ceilings and cornices	m2	1,494	
<u>PAINTWORK TO EXISTING WORK</u>				
<u>ON METAL SURFACES</u>				
	<u>Prepare surface as per manufacturer's specification and apply 1 undercoat & 2 coats Plascon Velvagio.</u>			
63	762 x 2032mm Door frames	No	11	
64	813 x 2032mm Door frames	No	46	
65	1425 x 2032mm Door frames	No	3	
66	1511 x 2032mm Door frames	No	1	
67	1612 x 2032mm Door frames	No	16	
	<u>Prepare surface as per manufacturer's specification and apply 1 coat primer and 2 coats premium quality polyurethane enamel paint</u>			
68	Window frames	m2	72	
<u>ON WOOD SURFACES</u>				
	<u>Prepare surface as per manufacturer's specification and apply CHROMADEK COLOUR - ALOE GREEN: Colour one side only. Flashing and counter flashing to specialist details</u>			
69	762 x 2032mm Door	No	11	
70	813 x 2032mm Door frames	No	46	
71	1425 x 2032mm Door frames	No	3	
72	1511 x 2032mm Door frames	No	1	
73	1612 x 2032mm Door frames	No	16	
Carried Forward to Summary of Section No. 2				R
Section No. 2				
Bill No. 11				
Paintwork				

**PROVISIONAL BILL OF QUANTITIES
 RENOVATION OF ROOF - DIAGNOSTICS MEDIA PRODUCTS BUILDING
 SANDRINGHAM CAMPUS**

SECTION SUMMARY - SECTION 2 - BUILDING WORKS

Bill No		Page No	Amount
1	Demotions and Alterations	37	
2	Concrete, Formwork & Reinforcement	41	
3	Mansory	43	
4	Waterproofing	45	
5	Roof Coverings & Claddings	47	
6	Carpentry & Joinery	49	
7	Ceilings, Partitions & Access Flooring	52	
8	Floor coverings, wall linings, etc	53	
9	Plastering	54	
10	Plumbing & Drainage	56	
11	Paintwork	58	
	Carried to Final Summary		R
	Section No. 2		

PROVISIONAL BILL OF QUANTITIES
RENOVATION OF ROOF - DIAGNOSTICS MEDIA PRODUCTS BUILDING
SANDRINGHAM CAMPUS

Item No		Quantity	Rate	Amount
	<u>Electrical Installation</u>			
1	Provide a sum for Electrical Installation to be expended as the Principal Agent may direct or deducted in whole or in part, if not required	Item		712,029.00
2	Allow for Profit if required		%	
3	Allow for Attendance if required		%	
	<u>Fire Services Installation</u>			
4	Provide a sum for Fire Services Installation to be expended as the Principal Agent may direct or deducted in whole or in part, if not required.	Item		650,000.00
5	Allow for Profit if required		%	
6	Allow for Attendance if required		%	
	<u>Lightning Protection Installation</u>			
7	Provide a sum for Lightning Protection Installation to be expended as the Principal Agent may direct or deducted in whole or in part, if not required.	Item		250,000.00
8	Allow for Profit if required		%	
9	Allow for Attendance if required		%	
	Carried to Final Summary			
	Section No. 3			
	Bill No. 1			
	Provisional Sums		R	

**PROVISIONAL BILL OF QUANTITIES
RENOVATION OF ROOF - DIAGNOSTICS MEDIA PRODUCTS BUILDING
SANDRINGHAM CAMPUS**

Section No		Page No	Amount
<u>FINAL SUMMARY</u>			
1	SECTION 1 - PRELIMINARIES AND GENERAL	34	
2	SECTION 2 - BUILDING WORKS	59	
3	SECTION 3 - SPECIALIST INSTALLATIONS	60	
	Subtotal		R
<u>CONTINGENCIES</u>			
	Provide Construction Contingencies to be used at the discretion of the Principal Agent or deducted in whole or in part if not required		R
	Sub Total		R
<u>Value Added Tax</u>			
	ADD: Value added Tax at 15%		R
	TOTAL		R
	Carried to Form of Tender		R