

Item No	Quantity	Rate	Amount
BILL NO. 1			
<u>PRELIMINARIES AND GENERAL</u>			
<u>BUILDING AGREEMENT AND PRELIMINARIES</u>			
<p>The JBCC Principal Building Agreement (May 2018 Edition 6.2) prepared by the Joint Building Contracts Committee shall be the applicable building agreement, amended as hereinafter described</p> <p>The errata listed under the Table of Contents on page 3 of the JBCC Principal Building Agreement are deemed to be included in the agreement.</p> <p>The JBCC Principal Building Agreement contract data form an integral part of this agreement</p> <p>The Preliminaries revision 1 (February 2016) published by the Association of South African Quantity Surveyors for use with the JBCC Principal Building Agreement Edition 6.2 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 above mentioned documents for the full intent and meaning of each clause</p> <p>The clauses in the above mentioned 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>			
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<p style="text-align: right;">Brought Forward</p> <p><u>Pricing of Preliminaries</u></p> <p>Should the contractor select Option A in terms of sub-clause 26.9.4 in the Contract Data for the purpose of adjustment of these Preliminaries, the amount entered into the amount column in these preliminaries is to be divided into one or more of the three categories provided namely Fixed (F), Value-related (V) and Time-related (T)</p> <p>Tenderers are advised any item left unpriced shall be deemed to have been included or allowed for elsewhere in the prices.</p> <p>Fixed (F) - A fixed amount, which shall not be varied</p> <p>Value-related (V) - An amount which shall be varied in proportion to the contract value</p> <p>Time-related (T) - An amount which shall be varied in proportion to the construction period</p> <p><u>PREAMBLES FOR TRADES</u></p> <p><u>User note</u></p> <p>The Model Preambles for Trades 2008 as published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these bills of quantities and no claims arising from brevity of description of items fully described in the said Model Preambles will be entertained</p> <p>Supplementary preambles 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 Model Preambles</p> <p>The contractor's prices for all items throughout these bills of quantities shall take account of and include for all of the obligations, requirements and specifications given in the Model Preambles and in any supplementary preambles and/or specifications</p> <p style="text-align: right;">Carried Forward</p> <p>Bill No. 1 Preliminaries</p>	<p style="text-align: center;">R</p> <hr/> <p style="text-align: center;">R</p>
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	<p style="text-align: right;">Brought Forward</p> <p><u>STRUCTURE OF THIS PRELIMINARIES BILL</u></p> <p>Section A : A recital of the headings of the individual clauses of the aforementioned JBCC Principal Building Agreement</p> <p>Section B : A recital of the headings of the individual clauses of the afore mentioned Preliminaries document</p> <p>Section C : Any special clauses to meet the particular circumstances of the project</p> <p><u>SECTION A: PRINCIPAL BUILDING AGREEMENT</u></p> <p><u>Interpretation (A1-A7)</u></p> <p>1 Clause 1.0 - Definitions and interpretation</p> <p>Definition of agreement</p> <p>The definition of agreement is replaced with the following definition :</p> <p>"AGREEMENT: The JBCC Principal Building Agreement, the completed JBCC PBA contract data, the contract drawings, the priced documents and any other documents reduced to writing and signed by the parties"</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 style="text-align: right;">Carried Forward</p> <p>Bill No. 1 Preliminaries</p>	<p style="text-align: center;">R</p>
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<p style="text-align: center;">Brought Forward</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> <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 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> <p style="text-align: center;">Carried Forward</p> <p>Bill No. 1 Preliminaries</p>	<p style="text-align: center;">R</p> <p style="text-align: center;">Item</p> <p style="text-align: center;">R</p>
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2	<p>Clause 2.0 - Law, regulations and notices</p> <p>User note</p> <p><i>Insert the following where a health and safety specification is <u>not</u> yet available</i></p> <p>Health and safety</p> <p>F:..... V:..... T:.....</p> <p>Without limiting the generality of the provisions of clause 2.0, the contractor's attention is drawn to the provisions of Construction Regulations issued in terms of the Occupational Health and Safety Act, 1993 Edition 19. It is specifically stated that the employer shall prepare a documented health and safety specification for the works and that the employer shall ensure that the contractor has made provision for the cost of health and safety measures during the execution of the works. The contractor shall price opposite this item for compliance with the act and the regulations and the reasonable provisions of the aforementioned health and safety specification [2.1, 2.7.2 & 2.7.3]</p> <p>The contractor shall:</p> <ol style="list-style-type: none"> 1. Comply with the health and safety specification for the works 2. Prepare and agree with the health and safety consultant the health and safety plan for the works 3. Co-operate with the health and safety consultant in all respects 4. Manage the compliance of all subcontractors with the regulations and with the health and safety plan and specification 5. Conform to the conditions contained in the employer's health and safety specification 		
3	<p>Clause 3.0 - Offer and acceptance</p> <p>F:..... V:..... T:.....</p>	Item	
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4	<p>Clause 4.0 - Assignment and cession</p> <p>F:..... V:..... T:.....</p>	Item		
5	<p>Clause 5.0 - Contract 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 5.3 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 [5.5]</p> <p>Precedence</p> <p>Clause 5.6 is deemed to be deleted. The provisions of this Bill No. 1 (Preliminaries) shall take precedence over any other documents which constitute this agreement [5.6]</p> <p>F:..... V:..... T:.....</p>	Item		
6	<p>Clause 6.0 - Employer's agents</p> <p>Delegated authority</p> <p>The authority of the principal agent to issue contract instructions and perform duties for specific aspects of the works is delegated to agents as follows [6.2]</p>			
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7	<p>Clause 7.0 - Design responsibility</p> <p>F:..... V:..... T:.....</p> <p><u>Insurance and security (A8-A11)</u></p>	Item	
8	<p>Clause 8.0 - Works risk</p> <p>F:..... V:..... T:.....</p>	Item	
9	<p>Clause 9.0 - Indemnities</p> <p>F:..... V:..... T:.....</p>	Item	
10	<p>Clause 10.0 - Insurances</p> <p>F:..... V:..... T:.....</p> <p>The Contractor is to ensure that he is properly and adequately insured in respect of all risk, public liability, workmen and materials on site.</p>	Item	
11	<p>Clause 11.0 - Security</p> <p>Extension of waiver of lien</p> <p>The contractor shall ensure that a waiver of lien is included in all subcontracts and that the works executed on the site are kept free of all liens and other encumbrances at all times [11.10]</p> <p>F:..... V:..... T:.....</p> <p><u>Execution (A12 - A17)</u></p>	Item	
12	<p>Clause 12.0 - Duties of the parties</p> <p>Provisions of clauses 12.1.2 to 12.1.6 and 12.2.18</p> <p>Refer to the contract data, the Preliminaries document and "Section B : Preliminaries" of this Bill No. 1 with reference to the provisions of clauses 12.1.2 to 12.1.6 and 12.2.18 of the JBCC Principal Building Agreement</p>		
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<p style="text-align: right;">Brought Forward</p> <p>Office accommodation</p> <p>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]</p> <p>Notice board</p> <p>The contractor shall erect in a position by the principal agent, maintain and remove on practical completion a notice board recommended by the South African Institute of Architects and as 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>Access to water, sewer, stormwater and electricity connections</p> <p>The employer is not in a position to identify access to water, sewer, stormwater and/or electricity connections to the site as may be suitable for the execution of the works. The contractor is to allow what he considers to be required and is to qualify his tender in detail in this regard, failing which it shall be taken that the contractor has allowed what will be required for the execution of the works. In such case no claims for additional cost or loss shall be entertained [12.1.5]</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 [12.1.6]</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>	<p style="text-align: right;">R</p>
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13	<p>Clause 13.0 - Setting out</p> <p>The contractor shall be responsible for the verification and protection of the location of all existing services. In the event that existing services are damaged by the contractor or sub-contractors then the damaged services shall be reinstated to the approval of the relevant authorities, all at the expense of the contractor</p> <p>F:..... V:..... T:.....</p>	Item		
14	<p>Clause 14.0 - Nominated subcontractors</p> <p>General attendance by the contractor upon n/s subcontractors shall be in accordance with the n/s agreement. Notwithstanding this provision, general attendance shall be deemed to include for the contractor to provide free of charge to any n/s subcontractor such scaffolding as required by such subcontractor for the execution of the relevant subcontract works</p> <p>F:..... V:..... T:.....</p>	Item		
15	<p>Clause 15.0 - Selected subcontractors</p> <p>Refer to provisions on general attendance in previous clause 14.0 which shall apply equally to this clause</p> <p>F:..... V:..... T:.....</p>	Item		
16	<p>Clause 16.0 - Direct contractors</p> <p>Attendance on direct contractors</p> <p>In respect of direct contractors the contractor shall:</p> <p>1. Designate an area for the direct contractor to establish a temporary office and workshop and storage of equipment and materials</p> <p>2. Allow the use of personnel welfare facilities, where provided</p>			
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17	<p>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</p> <p>4. Permit the direct contractor to use erected scaffolding, hoisting facilities, etc provided by the contractor, in common with others having the like right, while it remains erected on the site [16.1]</p> <p>F:..... V:..... T:.....</p>	Item
	<p>Clause 17.0 - Contract 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>	Item
<u>Completion (A18 - A24)</u>		
18	<p>Clause 18.0 - Interim completion</p> <p>F:..... V:..... T:.....</p>	Item
	<p>Clause 19.0 - Practical completion</p> <p>F:..... V:..... T:.....</p>	Item
20	<p>Clause 20.0 - Sectional completion</p> <p>F:..... V:..... T:.....</p>	Item
	<p>Clause 21.0 - Defects liability period and final completion</p> <p>F:..... V:..... T:.....</p>	Item
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22	<p>Clause 22.0 - Latent defects liability period</p> <p>F:..... V:..... T:.....</p>	Item		
23	<p>Clause 23.0 - Revision of date for practical completion</p> <p>Substitution of materials and goods</p> <p>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]</p> <p>F:..... V:..... T:.....</p>	Item		
24	<p>Clause 24.0 - Penalty for late or non-completion</p> <p>F:..... V:..... T:.....</p> <p>Payment (A25 - A27)</p>	Item		
25	<p>Clause 25.0 - Payment</p> <p>Materials and goods prematurely on site</p> <p>Materials and goods brought onto the site prematurely shall not be authorised for payment [25.3.2]</p> <p>Materials and goods stored off site</p> <p>Materials and goods stored off site shall be authorised for payment subject to a guarantee for advance payment being provided to the employer [25.3.2]</p> <p>Materials must be stored safely and protected against loss or damage</p> <p>Materials must be covered by insurance</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 [25.3.4]</p>			
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26	<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> <p>Clause 26.0 - Adjustment of the contract value and final account</p> <p>Tenant installations/users requirements delayed</p> <p>There is a possibility that certain works related to tenant installations/users requirements may have to be delayed and may consequently not be executed prior to practical completion</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> <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>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>	Item
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	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]		
	F:..... V:..... T:.....	Item	
27	Clause 27.0 - Recovery of expense and/or loss		
	F:..... V:..... T:.....	Item	
	Suspension and termination (A28 - A29)		
28	Clause 28.0 - Suspension by the contractor		
	F:..... V:..... T:.....	Item	
29	Clause 29.0 - Termination		
	F:..... V:..... T:.....	Item	
	Dispute resolution (A30)		
30	Clause 30.0 - Dispute resolution		
	F:..... V:..... T:.....	Item	
31	Contract data		
	Payment of preliminaries		
	Where Option B is applicable and the initial construction period is extended the monthly charge shall be recalculated on the same basis as was initially applied but taking into account the revised construction period and the amounts already paid to the contractor [CD26.0]		
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	<p>Adjustment of preliminaries</p> <p>Where the adjustment of preliminaries is in terms of Option A, the construction period and the initial construction period shall be calculated in working days [CD 26.0]</p> <p>Where the adjustment of preliminaries is in terms of Option A, the breakdown of charges into three categories and, where applicable, the appointment of preliminaries amounts per section, shall be provided by the contractor in schedule form indicating which items in this Preliminaries Bill are priced and whether the are fixed, Value - related or Time - related or a combination of categories. Alternatively, the contractor may provide the breakdown described above by marking each amount in this Preliminaries Bill with a "F", "V", "T" to indicate Fixed, Value - Related or Time - related respectively. Should the contractor fail to provide the sectional apportionment within the period stipulated, the categorised amounts shall be prorated to the value of each section [CD 26.0]</p> <p>Where the adjustment of preliminaries is required in terms of Option B, the detailed breakdown of preliminaries amounts and, where applicable, the apportionment of preliminaries amounts per section, shall be provided by the contractor in an schedule form which separates, as a minimum, the administrative and supervisory staff, the use of construction equipment in terms of the programme, establishment and disestablishment charges, Insurances and Guarantees, site office costs and the like. Should the contractor fail to provide such information within the period stipulated, Option A shall apply [CD 26.0]</p>		
32	<p><u>Changes made to JBCC documentation</u></p> <p>It is specifically agreed that the note below calling for amendments to the standard JBCC Agreement to be listed in the space provided in the contract data or recorded in "the single referenced Annexure" shall not apply. Where standard clauses or alternatives are not entirely applicable to this agreement, modifications, corrections or supplements as will apply are given under each relevant clauses heading in this Preliminaries Bill and such amendments, modifications, corrections or supplements shall take precedence notwithstanding the note below and notwithstanding the provisions of clause 5.6 of the JBCC Principal Building Agreement.</p>		
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	F:..... V:..... T:.....	Item		
<u>SECTION B: PRELIMINARIES</u>				
<u>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			
37	Clause 2.3 - Availability of construction information			
Budgetary allowances and provisional sums				
The budgetary allowances and/or provisional sums allocated for subsequent trades included in this agreement will be separately procured, based on multiple procurement of subcontractors during the construction period				
	F:..... V:..... T:.....	Item		
38	Clause 2.4 - Ordering of materials and goods			
	F:..... V:..... T:.....	Item		
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<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 A photographic record must be handed over to the Principal Agent prior to commencing work on site F:..... V:..... T:.....	Item
<u>The site (B4)</u>		
42	Clause 4.1 - Defined works area F:..... V:..... T:.....	Item
43	Clause 4.2 - Handover of site in stages F:..... V:..... T:.....	Item
44	Clause 4.3 - Enclosure of the works F:..... V:..... T:.....	Item
45	Clause 4.4 - Geotechnical investigation F:..... V:..... T:.....	Item
46	Clause 4.5 - Encroachments F:..... V:..... T:.....	Item
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47	Clause 4.6 - Existing premises occupied F:..... V:..... T:.....	Item	
48	Clause 4.7 - Services - known F:..... V:..... T:.....	Item	
49	Clause 4.8 - Protection of trees and/or relevant natural features F:..... V:..... T:.....	Item	
<u>Management of contract (B5)</u>			
50	Clause 5.1 - Management of the works F:..... V:..... T:.....	Item	
51	Clause 5.2 - Progress meetings F:..... V:..... T:.....	Item	
52	Clause 5.3 - Technical meetings F:..... V:..... T:.....	Item	
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	<u>Samples, shop drawings and manufacturer's instructions (B6)</u>	
53	<u>Samples, shop drawings and manufacturer's instructions (B6)</u> Clause 6.1 - Samples of materials Clause 6.1 is hereby amended by the addition of the following: The principal agent may reject any material or colours not corresponding with the samples. The samples shall be kept on site until completion of the works. Should any materials or items specified prove to be either unavailable, in poor supply or likely to cause delay to the works, the contractor shall notify the principal agent in sufficient time for suitable alternatives to be considered. Any claims for delays resulting from the contractor not conforming with the terms of this clause will not be entertained or allowed. F:..... V:..... T:.....	Item
54	Clause 6.2 - Workmanship samples F:..... V:..... T:.....	Item
55	Clause 6.3 - Shop drawings F:..... V:..... T:.....	Item
56	Clause 6.4 - Compliance with manufacturer's instructions F:..... V:..... T:.....	Item
	<u>Deposits and fees (B7)</u>	
57	Clause 7.1 - Deposits and fees F:..... V:..... T:.....	Item
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<u>Temporary services (B8)</u>			
58	Clause 8.1 - Water F:..... V:..... T:.....	Item	
59	Clause 8.2 - Electricity F:..... V:..... T:.....	Item	
60	Clause 8.3 - Ablution and welfare facilities F:..... V:..... T:.....	Item	
61	Clause 8.4 - Communication facilities F:..... V:..... T:.....	Item	
<u>Prime cost amounts (B9)</u>			
62	Clause 9.1 - Responsibility for prime cost amounts		
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	<u>Attendance on subcontractors (B10)</u>		
63	<p>Clause 10.1 - General attendance</p> <p>General Attendance on N/S Subcontracts</p> <p>The following sub clauses are added:</p> <p>10.1.1 Access to the site and places where the subcontract work is to be carried out, including the reasonable use of any temporary personnel hoists erected by the contractor.</p> <p>10.1.2 The provision of water and lighting and of single phase electric power to a position within 50 metres of the place where the subcontract work is to be carried out but excluding water, fuel and power for commissioning of any installation.</p> <p>10.1.3 The provision of an area for the subcontractor to establish temporary office accommodation and workshop and for the storage of plant and materials.</p> <p>10.1.4. The use of erected scaffolding belonging to the contractor, in common with others having the like right, as necessary to complete the works.</p> <p>10.1.5. The use, at reasonable times by arrangement of the contractor's erected hoisting equipment.</p> <p>F:..... V:..... T:.....</p>	Item	
64	<p>Clause 10.2 - Special attendance</p> <p>F:..... V:..... T:.....</p> <p><u>General (B11)</u></p>		
65	<p>Clause 11.1 - Protection of the works</p> <p>F:..... V:..... T:.....</p>	Item	
66	<p>Clause 11.2 - Protection/isolation of existing/sectionally occupied works</p> <p>F:..... V:..... T:.....</p>	Item	
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67	<p>Clause 11.3 - Security of the works</p> <p>F:..... V:..... T:.....</p>	Item	
68	<p>Clause 11.4 - Notice before covering work</p> <p>F:..... V:..... T:.....</p>	Item	
69	<p>Clause 11.5 - Disturbance</p> <p>F:..... V:..... T:.....</p>	Item	
70	<p>Clause 11.6 - Environmental disturbance</p> <p>F:..... V:..... T:.....</p>	Item	
71	<p>Clause 11.7 - Works cleaning and clearing</p> <p>The contractor shall ensure that the roads, pavements, etc. leading to and around the site are kept free from obstruction, debris, etc. at all times. In no way shall the work on the site be the cause of any inconvenience or hindrance to traffic or pedestrians. The contractor shall be responsible to ensure that all vehicles leaving the site do not deposit earth, mud, debris, etc either by spillage or via the wheels on any roads.</p> <p>The contractor shall have no claim against the employer in the event that the contractor is held accountable by any local authority or police for any action such as overloading vehicles, causing damage to roads while carting goods and materials onto or away from the site, restrictions on masses or dimensions of loads, holding up traffic, etc.</p> <p>F:..... V:..... T:.....</p>	Item	
72	<p>Clause 11.8 - Vermin</p> <p>F:..... V:..... T:.....</p>	Item	
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73	<p>Clause 11.9 - Overhand work</p> <p>F:..... V:..... T:.....</p>	Item	
74	<p>Clause 11.10 - Tenant installations by direct contractors</p> <p>F:..... V:..... T:.....</p>	Item	
75	<p>Clause 11.11 - Advertising</p> <p>F:..... V:..... T:.....</p>	Item	
<u>Preliminaries schedule (B12)</u>			
76	<p>Information for completion of the preliminaries schedule</p> <p>Information necessary for elections and completion of those clauses contained in the preliminaries schedule which are necessary for tender purposes is given hereunder. Where no information is given it shall mean that no specific requirements are expected or that the clause is not relevant to this specific contract</p> <p>12.1 - Provisional bills of quantities [2.2]</p> <p>The quantities are provisional Yes</p> <p>12.2 - Availability of construction information [2.3]</p> <p>Construction documentation is complete Yes</p> <p>12.3 - Previous work - dimensional accuracy [3.1]</p> <p>The contractor is required to check the site for dimensional accuracy of the previous works, report thereon in detail possession of the site. Failure by the contractor to comply with the above shall deem the previous works to be correct, and this shall be the basis for adjustment to contract value.</p> <p>12.4 - Previous work - defects [3.2]</p> <p>not applicable</p>		
Carried Forward			R
Bill No. 1 Preliminaries			

<p style="text-align: center;">Brought Forward</p> <p>12.5 - Inspection of adjoining properties [3.3]</p> <p>Specific Requirements:</p> <p>The contractor shall make a photographic record of all adjoining/ existing properties, buildings, walls, boundary fences, roads, pavements, kerbs, etc that could be affected by the works and deliver same recorded on a CD to the principal agent.</p> <p>12.6 - Defined works area [4.1]</p> <p>12.7 - Handover of site in stages [4.2]</p> <p>12.8 - Enclosure of the works [4.3]</p> <p>12.9 - Geotechnical investigation [4.4]</p> <p>12.10 - Existing premises occupied [4.6]</p> <p>12.11 - Services - known [4.7]</p> <p>12.12 - Protection of trees and/or relevant natural features [4.8]</p> <p>12.13 - Water [8.1]</p> <p style="padding-left: 40px;">Option A (by contractor) No Option B (by employer - free of charge) No Option C (by employer - metered) Yes</p> <p>12.14 - Electricity [8.2]</p> <p style="padding-left: 40px;">Option A (by contractor) No Option B (by employer - free of charge) No Option C (by employer - metered) Yes</p> <p>12.15 - Ablution and welfare facilities [8.3]</p> <p style="padding-left: 40px;">Option A (by contractor) Yes Option B (by employer) No</p> <p>12.16 - Communication facilities [8.4]</p> <p>Specific Requirements: Contractor's account</p> <p style="text-align: center;">Carried Forward</p> <p>Bill No. 1 Preliminaries</p>	<p style="text-align: center;">R</p>
	R

<p style="text-align: center;">Brought Forward</p> <p>12.17 - Protection of the works [11.1]</p> <p>Specific Requirements: The Contractor shall be liable for all damages to adjoining properties and existing roads and pavement and must make good all damages to same at his own expense all to the satisfaction of the Principal Agent.</p> <p>12.18 - Protection/isolation of existing/sectionally occupied works [11.2]</p> <p style="padding-left: 40px;">Protection/isolation is required Yes</p> <p>12.19 - Disturbance [11.5]</p> <p>Specific Requirements: Minimising disturbanceAll 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.</p> <p>Whilst the employer shall not impose restrictions upon the contractor's working hours, the contractor shall take all measures available to him in order to minimise noisy operations during business hours. Such measures will include, <i>inter alia</i>, the use of silent compressors and strict control of workmen.</p> <p>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>12.20 - Environmental disturbance [11.6]</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 <i>inter alia</i> to noise, artificial light, wind-blown sand, dust, deposits of mud, etc.</p> <p>The contractor is to ensure that all roads which border the site and is 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 style="text-align: center;">Carried Forward</p> <p>Bill No. 1 Preliminaries</p>	<p style="text-align: center;">R</p> <hr/> <p style="text-align: center;">R</p>
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Brought Forward			R
F:..... V:..... T:.....	Item		
<u>SUPPLEMENTARY DOCUMENTATION</u>			
AS BUILT DRAWINGS			
77 The position of construction breaks and the extent of individual concrete pours are to be recorded by the contractor on the structural engineers drawings and are to be submitted to the principal agent and the structural engineer for their records.			
F:..... V:..... T:.....	Item		
<u>WARRANTIES FOR MATERIALS AND WORKMANSHIP</u>			
78 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 doing the work and shall deliver same to the principal agent on the final completion of the contract.			
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.			
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. The principal agent shall be the sole judge of the cause responsible for defects in the work and his ruling shall be final and binding.			
F:..... V:..... T:.....	Item		
Carried Forward			R
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Brought Forward

R

SECTION C: SPECIFIC PRELIMINARIES

ENCLOSURE OF WORKS.

The contractor shall erect whatever other site enclosure, hoardings, access gates, etc. he deems necessary to maintain the security of the works, his temporary offices, stores, etc. and to protect the general public from accessing dangerous construction areas, and he shall maintain such enclosure during the course of the works and remove same prior to practical completion.

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

Item

79 **DEFINED WORKS AREA**

The area of the works to be occupied by the contractor, any restriction to the area and the limit of access or exit will be pointed out to the contractor by the principal agent on handing over of the site.

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

Item

80 **LABOUR RECORD**

At the end of each week the contractor shall provide the Principal Agent with written record, in schedule form, reflecting the number and description of tradesmen and labourers employed by him and all sub-contractors on the works each day

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

Item

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R

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	Brought Forward		R	
81	EMPLOYMENT OF ILLEGAL WORKERS No illegal (migrant) workers may be employed or allowed on the site by any contractor or subcontractor. Precautions to prevent illegal workers being employed shall include but not be limited to the following: 1. Records of all workers shall be maintained by all contractors and subcontractors, and shall be submitted to the contractor's site agent on a daily basis. 2. Advise all persons entering the site by means of notices or posters that illegal workers will not be employed on the site, and that any illegal workers found on site will be reported to the authorities. 3. Advise all persons entering the site by means of notices or posters that anyone who fails to provide full and proper means of identification when requested to do so by a supervisor will not be allowed to remain on the site. F:..... V:..... T:.....	Item		
82	OVERTIME 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 F:..... V:..... T:.....	Item		
83	CO-OPERATION OF THE CONTRACTOR FOR COST MANAGEMENT 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 F:..... V:..... T:.....	Item		
	Carried Forward		R	
	Bill No. 1 Preliminaries			

	Brought Forward		R	
84	PRICES FOR VARIATIONS Where prices or quotations for variations are submitted by the contractor during the currency of the contract, it shall be clearly understood that these are for the purpose of consideration only and that there is not to be any assumption of their acceptance. F:..... V:..... T:.....	Item		
85	SCAFFOLDING Tenderer to allow for scaffolding in accordance with the scope, including the provision of scaffolding for sub contractors as necessary to complete the works F:..... V:..... T:.....	Item		
86	CHANGES TO THE SCOPE OF WORKS The client reserves the right to extend the scope of works by not more than 20 percent (%) of the tendered quantities without repricing. F:..... V:..... T:.....	Item		
87	SITE INSTRUCTIONS Contract instructions issued on site are to be recorded in triplicate in an instruction book which is to be maintained on site by the contractor. Copies to be sent to Principal Agent and Quantity Surveyor weekly. No verbal Contract Instructions will be considered for remuneration. F: V: T:	Item		
	Carried Forward		R	
	Bill No. 1 Preliminaries			

	Brought Forward		R	
88	<p>WARRANTIES FOR MATERIAL 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 firm supplying the materials and/or doing the work and shall deliver same to the principal agent on the final completion of the 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.</p> <p>F: V: T:</p>	Item		
89	<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 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.</p> <p>F: V: T:</p>	Item		
	Carried Forward		R	
	<p>Bill No. 1 Preliminaries</p>			

	Brought Forward		R
90	TESTING OF WINDOWS FOR WATERTIGHTNESS Each window shall be tested for water tightness with water sprayed on using adequate pressure. If in the opinion of the principal agent the pressure proves to be inadequate, then the pressure shall be boosted by means of compressed air or other equally approved means. F:..... V:..... T:.....	Item	
91	CONFIDENTIALITY 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	
92	GROUND AND ACCESS TO WORKS On completion of operations, the contractor shall restore the ground surface, wherever it may have been disturbed, to its original condition by filling ruts with material similar to the material within the rut and levelling the ground and, where necessary, plant grass and shrubs as may be required. Reinstatement operations to be done at the Contractor's expense. F:..... V:..... T:.....	Item	
93	ESCALATION/ CONTRACT PRICE ADJUSTMENTS PROVISION This contract and the rates contained will be Fixed and not subject to Escalation / Contract Price Adjustment F:..... V:..... T:.....	Item	
	Carried Forward		R
	Bill No. 1 Preliminaries		

	Brought Forward		R	
94	CONTRACT DRAWINGS Should any part of the drawings not be clearly understood by the tenderer he shall, before submitting his tender, obtain clarification in writing from the principal agent. F:..... V:..... T:.....	Item		
95	TRADE NAMES Wherever a trade name for any product has been described in the bills of quantities / lump sum document, the tenderer's attention is drawn to the fact that any other product of equal quality may be used subject to the written approval of the principal agent being obtained prior to the closing date for submission of tenders. If prior written approval for an alternative product is not obtained, the product described shall be deemed to have been tendered for. F:..... V:..... T:.....	Item		
96	IMPORTED MATERIALS AND EQUIPMENT Where imported items are listed in the tender documents, the tenderer shall provide all the information called for, failing which the price of any such item, materials or equipment shall be excluded from currency fluctuations. (refer to Schedule of Imported Materials and Equipment to be completed by tenderer) Notwithstanding any provisions elsewhere regarding the adjustment of contract prices, the price of any item, material or equipment listed in terms of this clause shall be excluded from the Contract Price Adjustment Provisions (if applicable) F:..... V:..... T:.....	Item		
	Carried Forward		R	
	Bill No. 1 Preliminaries			

	Brought Forward		R	
97	<p>ACCESS TO SITE LOCATIONS</p> <p>The site is located at 130 Intersite Avenue (Opposite Woodford Bid), Umgeni Business Park, Durban, 4001 (Co-ordinate: -29.812309, 30.999893) and the tenderer must allow in his pricing for access and other considerations specific to these environments</p> <p>F:..... V:..... T:.....</p>	Item		
98	<p>SECURITY / BACKGROUND CHECKS OF PERSONNEL</p> <p>The principal agent may require the contractor to have his personnel and workmen, or a certain number of them, undertake criminal background checks</p> <p>In the event of the principal agent requesting the removal of a person or persons from the works for security reasons, the contractor shall do so forthwith and shall thereafter ensure that such person or persons are denied access to the works and the site and/or to any document or information relating to the works</p> <p>F:..... V:..... T:.....</p>	Item		
99	<p>SITE AND CONTACT RESTRICTIONS</p> <p>The contractor is required to keep his personnel and operations limited to the site boundary defined by the principal agent</p> <p>Under no circumstances is the contractor's workmen permitted to have any contact with any other person on the property except for the contact person/s identified by the principal agent for the purpose of liaising with the contractor's representative</p> <p>F:..... V:..... T:.....</p>	Item		
	Carried Forward		R	
	<p>Bill No. 1 Preliminaries</p>			

	Brought Forward		R	
100	<p>HIV/AIDS AWARENESS</p> <p>It is required of the contractor to thoroughly study the HIV/AIDS Specification that must be read together with and is deemed to be incorporated under this Section of the bills of quantities / lump sum document. Provision for pricing of HIV/AIDS awareness is made under items C10.1 to C10.5 hereafter and it is explicitly pointed out that all requirements</p> <p>of the aforementioned specification are deemed to be priced hereunder, as the said items represent the only method of measurement and no additional items or extras to the contract in this regard shall be entertained</p> <p>The contractor must take note that compliance with the HIV/AIDS Specification is compulsory. In the event of partial or total non-compliance, the principal agent, notwithstanding the provisions of Clause A 31 of "Section 1: Preliminaries (Section A)" or any other clause to the contrary, reserves the right to delay issuing any progress payment certificate until the contractor provides satisfactory proof of compliance. The contractor shall not be entitled to any compensation of whatsoever nature, including interest, due to such delay of payment</p>	Item		
101	<p>AWARENESS CHAMPION</p> <p>Selection, appointment, briefing and making available of an Awareness Champion including provision of all relevant services, all in accordance with the HIV/AIDS Specification</p> <p>F:..... V:..... T:.....</p>	Item		
102	<p>AWARENESS WORKSHOPS</p> <p>Selection and appointment of a competent Service Provider by the principal agent, provision of a Service Provider Workshop Plan and a suitable venue, conducting of awareness workshops by means of traditional and/or modern multi-media techniques, including follow-up courses, making available all tuition material and performing assessment procedures, all in accordance with the HIV/AIDS Specification</p> <p>F:..... V:..... T:.....</p>	Item		
	Carried Forward		R	
	<p>Bill No. 1 Preliminaries</p>			

	Brought Forward			R
103	POSTERS, BOOKLETS, VIDEOS, ETC. Provision, displaying, maintaining and replacing when necessary of four plastic laminated posters, booklets and educational videos, etc. for the duration of the construction period, all in accordance with the HIV/AIDS Specification F:..... V:..... T:.....	Item		
104	ACCESS TO CONDOMS Provision and maintenance of condom dispensers fixed in position, including male and female condoms, replenishing male and female condoms on a daily basis as required for the duration of the construction period, all in accordance with the HIV/AIDS Specification F:..... V:..... T:.....	Item		
105	MONITORING Monitoring HIV/AIDS awareness of workers, providing the principal agent with access to information including making available all reports, thoroughly completed and reflecting the correct information, for the duration of the construction period and close out, all in accordance with the HIV/AIDS Specification F:..... V:..... T:.....	Item		
106	UTILISE LOCAL RESOURCES Utilise local resources F:..... V:..... T:.....	Item		
107	PROVIDE EXPERIENTIAL WORK OPPORTUNITIES TOWARDS A TECHNICAL QUALIFICATION FOR DESIGNATED PERSONS Provide experiential work opportunities towards a technical qualification for designated persons F:..... V:..... T:.....	Item		
	Carried Forward			R
	Bill No. 1 Preliminaries			

	Brought Forward		R	
108	<p>PROVIDE EXPERIENTIAL WORK OPPORTUNITIES AND TRAINING TOWARDS TRADE COMPETENCIES FOR DESIGNATED PERSONS</p> <p>Provide experiential work opportunities and training towards trade competencies for designated persons</p> <p>F:..... V:..... T:.....</p>	Item		
109	<p>COMMUNITY ENGAGEMENT OBLIGATION</p> <p>The contractor shall ensure labour and community harmony on the project site and in the surrounding community. The Contractor shall participate in all community engagement activities where appropriate to promote the successful early completion of the project.</p> <p>The CLO and the Contractors most senior site manager are required to participate in the regular scheduled PSC meetings. The terms of reference for the PSC will be established prior to electing community / stakeholder participants.</p> <p>F:..... V:..... T:.....</p>	Item		
	Carried Forward		R	
	<p>Bill No. 1 Preliminaries</p>			

	Brought Forward		R	
110	<p>OCCUPATIONAL HEALTH AND SAFETY</p> <p>The contractor shall comply with all the requirements set out in the Construction Regulations, 2014 issued under the Occupational Health and safety Act, 1993 (Act No 85 of 1993)</p> <p>It is required of the contractor to thoroughly study the Health and Safety Specification that must be read together with and is deemed to be incorporated under this Section of the Bills of Quantities / lump sum document</p> <p>The contractor must take note that compliance with the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is compulsory. In the event of partial or total non-compliance, the principal agent, notwithstanding the provisions of clause A31.0 of Section A or any other clause to the contrary, reserves the right to delay issuing any progress payment certificate until the contractor provides satisfactory proof of compliance.</p> <p>The contractor shall not be entitled to any compensation of whatsoever nature, including interest, due to such delay of payment</p> <p>Provision for pricing of the Occupational Health and Safety Act, Construction Regulations and Health and safety Specification is made under this clause and it is explicitly pointed out that all requirements of the aforementioned are deemed to be priced hereunder and no additional claims in this regard shall be entertained</p> <p>Provide the amount for the cost of employing a full time Health & Safety Officer for the duration of the project</p> <p>F:..... V:..... T:.....</p>			
		Item		
111	Profit		Item	
112	Attendance		Item	
113	<p>SAFETY EQUIPMENT</p> <p>Personal protective equipment, clothing, fencing, signage, and other safety equipment.</p> <p>F:..... V:..... T:.....</p>			
		Item		
	Carried Forward		R	
	<p>Bill No. 1 Preliminaries</p>			

	Brought Forward		R	
114	Profit	Item		
115	Attendance	Item		
116	<p>COMMUNITY LIAISON OFFICER (CLO)</p> <p>The contractor shall allow for and pay any and all costs necessary for the engagement of the services of a Community Liaison Officer (CLO) for the full duration of this contract.</p> <p>A CLO will be identified by the local structures of the ward areas and appointed following fair and transparent interviewing process, to be conducted in the presence of local structures and the contractor representative, in order to assist the Contractor in the procurement of any local labour, etc. required for this project. The contractor is to liaise with the CLO and afford him any assistance needed in ensuring sound working relations with the local community.</p> <p>Key Responsibilities of the CLO are envisaged to include and not necessary be limited to:</p> <ol style="list-style-type: none"> 1. Assisting local leadership in conducting skills and resources audit which facilitates sourcing labour from within the ward or targeted areas for employment, as required by the contractor. 2. Assisting in sourcing labour only domestic sub-contractors and the procurement of materials from local resources, as required by the contractor. 3. Assisting the contractor by identifying areas of potential conflict and of threats to the project or to stakeholders in the project and recommend appropriate action to the contractor. 4. Assisting contractor and stakeholders in the project in the resolution of any conflict which may arise. 5. Establishing and ensuring that sufficient and open communication channels between the contractor and the work force are maintained. 6. Establish and ensuring that efficient and open communication channels between the contractor and the community are maintained. 7. Identifying and reporting to the contractor regarding issues where communication between stakeholder is 			
	Carried Forward		R	
	<p>Bill No. 1 Preliminaries</p>			

Brought Forward		R
necessary, recommend courses of action and facilitate such communications		
8. Assisting the Contractor and the work force in the establishment of grievance procedures and necessary recommendation to the contractor regarding the grievances and solution thereto.		
9. Attending to site meetings and project implementation meetings as required by the Contractor and prepare periodic reports as may be required by the Contractor from time to time.		
10. Attending to such other duties which are consistent with the functions of a CLO, as may be required by the Contractor from time to time.		
Tenderers are to price twice the rate of unskilled local labour rate against this item for any and all costs arising out of compliance with the foregoing and in the event of a Tenderer failing to price against this item or making inadequate financial provision against this item for compliance as aforesaid, then no claim for costs or additional cost incurred will be entertained by the Principal Agent.		
F:..... V:..... T:.....	Item	
117 SUB-CONTRACTING		
A tenderer to sub-contract a minimum 30% of the contract value to EME's and QSE's to have black ownership of 51% and above. The sub-contractor must reside within the municipal ward.		
F:..... V:..... T:.....	Item	
<u>SUMMARY OF CATEGORIES</u>		
Category : Fixed R.....		
Category : Value R.....		
Category : Time R.....		
Carried to Summary		R
Bill No. 1		
Preliminaries		

Item No	Quantity	Rate	Amount
<p><u>BILL NO. 2</u></p> <p><u>ALTERATIONS</u></p> <p><u>PREAMBLES</u></p> <p>The descriptions given in the various items below are not necessarily full and complete and reference must be made to the "General Preambles for Trades 2017" as published by the Association of South African Quantity Surveyors", and Supplementary Preambles for further description and amplification of work in this section</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>View site</p> <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>Explosives</p> <p>No explosives whatsoever may be used for demolition purposes unless otherwise stated</p> <p>General</p> <p>The contractor shall carry out the whole of the works with as little mess and noise as possible and with a minimum 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.</p> <p>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.</p>			
Carried Forward		R	
<p>Bill No. 2 Alterations</p>			

Brought Forward					R
<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. and making good floor and wall finishes to match existing.</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> <p>Asbestos work may only be performed subject to prior approval of the Provincial Director, Occupational Health and Safety, department of Labour in writing</p>					
<u>REMOVAL OF EXISTING WORK</u>					
<u>Saw cut, breaking up and removing reinforced concrete surface beds</u>					
1	700 x 150mm Concrete surface beds for concrete strip footings (concrete strip footings elsewhere measured)	m		51	
<u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc</u>					
2	Gypsum ceiling tiles suspended ceiling size 600 x 600mm (Gridwork to remain)	m2		87	
3	Gypsum ceiling tiles suspended ceiling size 600 x 600mm including removing gridwork	m2		125	
4	Gypsum ceiling tiles suspended ceiling size 1200 x 600mm including removing gridwork	m2		50	
Carried Forward					R
Bill No. 2 Alterations					

	Brought Forward			R
5	Carefully remove flush plaster ceiling including shadow line etc.	m2	79	
6	Take out and remove vertical bulkheads	m2	5	
7	Take out and remove horizontal bulkheads	m2	14	
	<u>Take up and removing floor coverings, etc.</u>			
8	Carefully remove existing carpet tiles and prepare existing surfaces to receive new floor finish (New Floor finish elsewhere measured)	m2	412	
9	Carefully remove existing aluminium skirting and prepare existing surfaces to receive new skirting (New skirting elsewhere measured)	m	40	
10	Carefully remove existing timber skirting and prepare existing surfaces to receive new skirting (New skirting elsewhere measured)	m	61	
	<u>Hacking up/off and removing tiled floor and wall finishes including removing mortar bed or backing and preparing concrete or brick surfaces to receive new floor tiles. (New floor tiles elsewhere measured)</u>			
11	Tile to floors	m2	265	
12	Tile to walls	m2	880	
13	Tile skirtings	m	33	
	<u>Hacking up/off and removing granolithic, screeds, plaster, etc. from concrete or brickwork and preparing surfaces for new screed, plaster, tile finishes, etc.</u>			
14	Plaster from columns and walls in patches	m2	285	
15	Screeds from floors	m2	82	
	<u>Breaking up and removing reinforced brickwork, including cutting off and removing reinforcement</u>			
16	Half brick walls	m2	116	
17	One brick walls	m2	43	
	Carried Forward			R
	Bill No. 2 Alterations			

Brought Forward			R
<u>Take out and remove doors from partition walls / brick walls to remain including preparing opening for new door and frame where required</u>			
18	Timber single door size 813 x 2032mm high overall including frame	No	38
19	Aluminium single door size 813 x 2700mm high overall including frame	No	19
20	Aluminium door size 1632 x 2700mm high overall including frame	No	1
21	Aluminium single sliding shower door size 813 x 2700mm high overall including frame	No	1
<u>Taking out and removing piping, sanitary fittings, etc., including cutting off as necessary, disconnecting piping from fittings and making good floor and wall finishes (making good tiling and paintwork elsewhere)</u>			
22	Vitreous china WC pan with cistern	No	20
23	Vitreous china wash hand basin	No	22
24	Vitreous china urinal with cistern	No	6
25	Shower including trap and shower base	No	4
26	150 Litre geyser	No	1
27	Stripping out 50mm uPVC pipes from existing walls including making good to walls	m	48
28	Stripping out 110mm uPVC pipes from existing walls including making good to walls	m	29
29	Stripping out 15mm copper pipes from existing walls including making good to walls	m	64
30	Stripping out 22mm copper pipes from existing walls including making good to walls	m	39
31	Stripping out 28mm copper pipes from existing walls including making good to walls	m	16
Carried Forward			R
Bill No. 2 Alterations			

Brought Forward			R
<u>Taking up and removing wall coverings, etc and preparing walls to receive new coverings</u>			
32	Timber wall cladding	m2	8
33	Wall paper	m2	1 889
<u>Taking out and removing sundry joinery work, fittings, etc.</u>			
34	Timber L-shaped bar top on poles approximate size 3000 x 600 x 1000mm high	No	1
35	Timber floor mounted kitchenette unit with basin, overall size of 2925 x 600mm	No	2
<u>Taking out, remove and store away for re-use electronic equipment</u>			
36	Overhead projector with steel pole and fittings etc.	No	1
<u>REMOVAL OF EXISTING GLAZING</u>			
<u>Taking out/off and removing glass and mirrors</u>			
37	Mirror 600 x 900mm high from wall	No	17
<u>Taking out and removing ironmongery</u>			
38	Soap rack	No	2
39	Soap dispenser	No	16
40	Toilet paper holder	No	25
41	Paper towel holder	No	12
42	Shower rose	No	2
43	Shower mixer	No	2
44	Sanitary bin	No	3
45	Towel rail not exceeding 2000mm long from wall	No	2
Carried Forward			R
Bill No. 2 Alterations			

Brought Forward			R
<u>REMOVAL OF EXISTING PARTITIONING</u>			
46	Drywall boarding and studwork, skirting, ironmongery, etc.	m2	125
<u>SERVICING OF EXISTING METALWORK</u>			
<u>Servicing of existing windows, shopfronts, etc.</u>			
47	Servicing of existing aluminium windows including removing damaged friction stays, handles, cleaning frame and glazing, replacing damaged/missing rubber seal, etc. approximate size 1000 x 2700mm high	No	15
48	Servicing of existing aluminium door(s) including removing damaged friction stays, handles, cleaning frame and glazing, replacing damaged/missing rubber seal, etc. approximate size 910 x 2150mm high	No	5
49	Servicing of existing aluminium door(s) including removing damaged friction stays, handles, cleaning frame and glazing, replacing damaged/missing rubber seal, etc. approximate size 1760 x 2150mm high	No	2
<u>OPENINGS THROUGH EXISTING WALLS ETC</u>			
<u>Breaking out for and forming plain openings through brick walls, including, making good cement plaster on both sides and into reveals and with 20 MPa concrete thresholds with steel trowelled finish (making good paintwork elsewhere)</u>			
50	Opening 880 x 2100mm high through half brick walls	No	1
51	Opening 1000 x 2100mm high through one brick walls	No	1
52	Opening 1630 x 2700mm high through half brick walls	No	1
53	Opening 1630 x 2700mm high through one brick walls	No	1
54	Opening 1000 x 695mm high through two brick walls	No	1
55	Opening 1800 x 695mm high through two brick walls	No	9
56	Break pocket on walls for fixing of lintels (lintels elsewhere measured) size 150 x 460 x 85mm high	No	20
Carried Forward			R
Bill No. 2 Alterations			

Brought Forward			R
<u>BUILDING UP OPENINGS</u>			
<u>Brickwork in NFP bricks in class II mortar in building up openings</u>			
57	Half brick walls	m2	2
58	One brick walls	m2	6
<u>Tooting and Bonding</u>			
59	Cutting toothings and bonding new brickwork to existing	m2	4
<u>MAKING GOOD OF FINISHES, ETC.</u>			
60	Making good to floors where half brick walls removed	m	53
61	Making good to walls where half brick walls removed	m	38
62	Making good to floors where one brick walls removed	m	16
63	Making good to walls where one brick walls removed	m	15
64	Making good to floors where partition walls removed	m	40
65	Making good to partition walls where walls removed	m	3
Carried to Summary			R
Bill No. 2 Alterations			

Item No	Quantity	Rate	Amount
<u>BILL NO. 3</u>			
<u>EARTHWORKS (PROVISIONAL)</u>			
<u>PREAMBLES</u>			
<p>The descriptions given in the various items below are not necessarily full and complete and reference must be made to the "General Preambles for Trades 2017" as published by the Association of South African Quantity Surveyors", and Supplementary Preambles for further description and amplification of work in this section</p>			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>Subterranean water</u>			
<p>No subterranean water is expected. The removal of subterranean water is given separately</p>			
<u>Excavation for working space in rock</u>			
<p>Notwithstanding clause 11 page 8 of the Standard System of Measuring Building Work, excavation for working space in rock will be measured in cubic metres to the extent executed and given as "extra over" bulk excavation or trench and hole excavation as the case may be</p>			
<u>Carting away of excavated material</u>			
<p>Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site</p>			
<u>Filling</u>			
<p>Notwithstanding the reference to prescribed multiple handling in clause 1 page 6 of the Standard System of Measuring Building Work, prices for filling and backfilling shall include for all selection and any necessary multiple handling of material</p>			
Carried Forward		R	
<p>Bill No. 3 Earthworks</p>			

Brought Forward			R
<u>Testing</u>			
Prices for filling are to include for all necessary density tests in accordance with SABS 1200D			
<u>EXCAVATION, FILLING, ETC OTHER THAN BULK</u>			
<u>Restrictive excavation in earth not exceeding 2m deep</u>			
1	Trenches	m3	39
<u>Extra over all excavations for carting away</u>			
2	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	21
<u>Risk of collapse of excavations</u>			
3	Sides of trench and hole excavations not exceeding 1,5m deep	m2	113
<u>Keeping excavations free of water</u>			
4	Keeping excavations free of all water other than subterranean water		Item
<u>Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 95% Mod AASHTO density</u>			
5	Restrictive backfilling to trenches, holes, etc.	m3	18
<u>Imported filling of G5 material supplied by contractor from commercial sources in accordance with SABS 1200 DM compacted to 98% Mod AASHTO density in 150mm thick layers</u>			
6	Restrictive filling under surface beds, etc.	m3	3
<u>Compaction of surfaces</u>			
7	Restrictive compaction of ground surfaces under strip footings, etc. including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% Mod AASHTO density	m2	33
Carried Forward			R
Bill No. 3 Earthworks			

	Brought Forward			R
8	Restrictive compaction of ground surfaces under floors, etc. including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% Mod AASHTO density	m2	22	
	<u>Prescribed density tests on filling</u>			
9	"Modified AASHTO Density" test	No	3	
	<u>SOIL POISONING</u>			
	<u>Soil insecticide</u>			
10	Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m2	22	
11	To sides and bottoms of trench excavations	m2	146	
Carried to Summary				R
Bill No. 3 Earthworks				

Item No	Quantity	Rate	Amount
<p><u>BILL NO. 4</u></p> <p><u>CONCRETE, FORMWORK AND REINFORCEMENT</u></p> <p><u>PREAMBLES</u></p> <p>The descriptions given in the various items below are not necessarily full and complete and reference must be made to the "General Preambles for Trades 2017" as published by the Association of South African Quantity Surveyors", and Supplementary Preambles for further description and amplification of work in this section</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <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 architect. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval of the architect. (Test cubes are measured 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>			
Carried Forward		R	
<p>Bill No. 4</p> <p>Concrete, Formwork and Reinforcement</p>			

Brought Forward			R	
<p>Formwork to sides of bases, pile caps, ground beams, etc will only be measured where it is prescribed by the engineer for design reasons. Formwork necessitated by irregularity or collapse of excavated faces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavations, provision for which is made in "Earthworks"</p> <p>Formwork to soffits of solid, etc. shall be deemed to be slabs not exceeding 250mm thick unless otherwise described and propping not exceeding 3,5m high unless otherwise stated. Formwork to walls and columns is not exceeding 3,5m high above bearing level unless otherwise stated.</p>				
<u>REINFORCED CONCRETE</u>				
<u>25MPa/19mm concrete</u>				
1	<u>Strip footings</u>	m3	10	
2	Surface Beds	m3	4	
3	Surface ramps	m3	2	
<u>30MPa/19mm concrete</u>				
4	Columns	m3	1	
5	Beams	m3	2	
<u>Test Cubes</u>				
6	Making and testing set of three 150 x 150 x 150mm concrete strength test cube (Provisional)	No	10	
<u>CONCRETE SUNDRIES</u>				
<u>Finishing top surfaces of concrete smooth with a wood float</u>				
7	Surface beds, slabs, etc.	m2	24	
8	Surface beds, slabs, etc. to falls	m2	8	
Carried Forward			R	
Bill No. 4 Concrete, Formwork and Reinforcement				

Brought Forward			R
<u>Expansion joints with 15mm soft board between vertical concrete surfaces, including necessary formwork.</u>			
Not exceeding 300mm high through surface beds and slabs.	m	100	
<u>Dowelled Bars</u>			
16mm Diameter hot dipped galvanised mild steel rod 500mm long with one end drill into concrete and epoxy coated, and other end left projecting and cast in when adjoining concrete is poured including perforating formwork and 12mm joint filler board.	No	18	
<u>SMOOTH FORMWORK (DEGREE OF ACCURACY II)</u>			
<u>Smooth formwork to sides</u>			
Columns with total height not exceeding 3.5m high above bearing level	m2	14	
Edges, risers, ends and reveals not exceeding 300mm high or wide	m	8	
<u>Smooth formwork to sides and soffits</u>			
Beams with total height not exceeding 3.5m high above bearing level	m2	8	
<u>Boxing in smooth formwork to form</u>			
25 x 25mm Chamfers to horizontal edges	m	22	
25 x 25mm Chamfers to vertical edges	m	22	
Carried Forward			R
Bill No. 4 Concrete, Formwork and Reinforcement			

Brought Forward			R
<u>REINFORCEMENT</u>			
<u>High tensile steel reinforcement to structural concrete work</u>			
16	Various Diameter bars	t	0,83
<u>Fabric reinforcement</u>			
17	Type Ref. 193 fabric reinforcement in concrete surface beds, plinth, etc.	m2	32
Carried to Summary			R
Bill No. 4 Concrete, Formwork and Reinforcement			

Item No	Quantity	Rate	Amount
<u>BILL NO. 5</u>			
<u>MASONRY</u>			
<u>PREAMBLES</u>			
<p>The descriptions given in the various items below are not necessarily full and complete and reference must be made to the "General Preambles for Trades 2017" as published by the Association of South African Quantity Surveyors", and Supplementary Preambles for further description and amplification of work in this section</p>			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>SAMPLES</u>			
<p>Samples of masonry building units to be provided before construction commences.</p>			
<u>SIZES IN DESCRIPTIONS</u>			
<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>			
<u>BAGGED AND SEALED WALLS</u>			
<p>User Note: The following preamble generally applies for works in hot and humid coastal areas.</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 bitumen emulsion waterproofing coating.</p>			
Carried Forward		R	
Bill No. 5 Masonry			

Brought Forward			R
<u>FACE BRICKS</u>			
Bricks shall be ordered timeously to obtain uniformity in size and colour.			
All facebrick work is to be protected from other finishing trades during the construction period.			
All interior face brickwork is to receive two coats water based silicone sealant at completion including preparatory work as per manufacturers instructions.			
<u>POINTING</u>			
Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing etc.			
<u>BRICKWORK IN FOUNDATIONS</u>			
<u>(PROVISIONAL)</u>			
<u>Brickwork of 'Corobrik Maxibrick' NFX bricks or other equally approved (14 MPa nominal compressive strength) in class II mortar</u>			
1	One brick walls	m2	47
<u>SUPERSTRUCTURE</u>			
<u>Brickwork of NFP Imperial Clay bricks in class II mortar</u>			
2	One brick wall	m2	89
3	Half brick wall	m2	24
<u>BRICKWORK SUNDRIES</u>			
<u>Bagging of 1:3 cement and sand mixture</u>			
4	On brick walls, columns, etc. including removing ridges, irregularities, etc	m2	100
<u>2.5mm Galvanised brickwork reinforcement</u>			
5	75mm Wide reinforcement built in horizontally	m	122
Carried Forward			R
Bill No. 5 Masonry			

Brought Forward			R
6	155mm Wide reinforcement built in horizontally	m	392
<u>Concrete pre stressed fabricated lintels</u>			
7	110 x 75mm Lintels in lengths not exceeding 3m	m	59
<u>Joint forming material in movement joints</u>			
8	12mm Bitumen impregnated fibre board built in vertically through brick walls	m2	8
<u>Galvanised hoop iron cramps, ties, etc</u>			
9	30 x 1,6mm Cramp 500mm long with one end fixed to timber and other end built into brickwork	No	286
<u>CILLS</u>			
<u>"Nutec" or other equally approved High density window cills in single lengths with width not exceeding 300mm with galvanised fixing lugs embedded in epoxy cement mortar.</u>			
10	15 x 150mm Wide bullnosed edge sill set flat and projecting internally	m	21
Carried to Summary			R
Bill No. 5 Masonry			

Item No	Quantity	Rate	Amount
<u>BILL NO. 6</u>			
<u>WATERPROOFING</u>			
<u>PREAMBLES</u>			
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<u>DAMP-PROOFING OF WALLS AND FLOORS</u>			
<u>One layer 375 micron embossed polyethylene damp proof course (SANS 952-1985 type B)</u>			
1	On walls	m2 11	
2	Under cills	m2 11	
<u>One layer 250 micron green polyethylene waterproof sheeting (SANS 952-1985 type C) sealed at laps with PVC self-adhesive tape</u>			
3	Under surface beds, lift pits, etc	m2 32	
<u>Two coats brixal bitumen emulsion waterproof coating</u>			
4	On bagged brick walls	m2 100	
<u>SEALING STRIPS, JOINT SEALANTS, ETC</u>			
<u>Sika or other approved two-part grey poly sulphide sealing compound including backing cord, bond breaker, primer, etc.</u>			
5	15 x 15mm In expansion joints in floors including raking out expansion joint filler as necessary	m 100	
Carried Forward			R
Bill No. 6 Waterproofing			

[illegible]

Item No		Quantity	Rate	Amount
	<u>BILL NO. 7</u>			
	<u>CARPENTRY AND JOINERY</u>			
	<u>PREAMBLES</u>			
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	<u>SKIRTINGS</u>			
	<u>"Promax Trendy MDF Skirting" or other equally approved skirting</u>			
1	90mm High skirtings	m	202	
	<u>CUPBOARDS</u>			
	<u>Prefabricated factory finished kitchen cupboards</u>			
2	Floor mounted kitchen built-in cupboard overall size 2595 x 600 x 876mm high with four (4) doors and three (3) drawers with Brushed stainless steel bar handles from "Eclipse" hardware or equivalent, min. 128mm etc, fixed with stainless steel screws or other equally approved, shelve, sides, etc. comprising of "PG Bison" supagloss white, moistureresistant substrate with abs edging, soft-close blum concealed hinges, compliant with SANS cabinetry standards or other equally approved, shelving consisting of "PG Bison" supagloss white melamine-faced board on moistureresistant substrate, abs-edged, adjustable where indicated, fused under heat and pressure to both sides of a chip board substrate, backing board, sub-base, ironmongery, etc. manufactured in accordance with Architect's drawings. Tenderers are referred to Architect's drawing for Room Data Sheet 01 Drawing No. A106, annexured to these Bills of Quantities for the full description.	No	1	
	Carried Forward		R	
	Bill No. 7 Carpentry and Joinery			

Brought Forward				R
3	Floor mounted kitchen L- shaped, cupboard overall size 2000 x 610 x 876mm high with, one shelf, sides, etc. comprising of "PG Bison" supagloss white, moisture-resistant substrate with ABS edging, compliant with SANS cabinetry standards or other equally approved, shelving consisting of "PG Bison" supagloss white melamine-faced board on moisture-resistant substrate, ABS-edged, adjustable where indicated, fused under heat and pressure to both sides of a chip board substrate, backing board, sub-base, ironmongery, etc. Adjustable stainless steel tubular legs (Grade 304) with screw feet, non-slip pads, brushed satin finish, supporting cupboards and shelving, compliant with SANS standards, manufactured in accordance with Architect's drawings. Tenderers are referred to Architect's drawing for Room Data Sheet 01 Drawing No. A106, annexured to these Bills of Quantities for the full description.	No	1	
4	Wall mounted floating two (2) shelves overall size 1162 x 550mm wide in "PG Bison" supagloss white melamine-faced board, or other equally approved, on moisture-resistant substrate with ABS edging, concealed wall-mounted fixing brackets for a flush appearance, securely anchored to wall, compliant with SANS cabinetry standards ironmongery, etc. Manufactured in accordance with Architect's drawings. Tenderers are referred to Architect's drawing for Room Data Sheet 01 Drawing No. A106, annexured to these Bills of Quantities for the full description.	No	2	
5	Floor mounted ambient display cabinet overall size 2271 x 625 x 900mm high with sides, shelving, etc. comprising of 16mm white melamine shelves with 1mm ABS edging or other equally approved finish with shelving consisting of melamine impregnated decorative paper, fused under heat and pressure to both sides of a chip board substrate, backing board, sub-base, ironmongery, etc. Adjustable stainless steel tubular legs (Grade 304) with screw feet, non-slip pads, brushed satin finish, supporting cupboards and shelving, compliant with SANS standards manufactured in accordance with Architect's drawings. Tenderers are referred to Architect's drawing for Room Data Sheet Drawing No. A106, annexured to these Bills of Quantities for the full description.	No	1	
Carried Forward				R
Bill No. 7 Carpentry and Joinery				

Brought Forward				R
6	Floor mounted canteen cupboard overall size 3380 x 600 x 844mm high with, or other equally approved with 16mm white melamine shelve with 1mm ABS edging, sides, etc. compliant with SANS cabinetry standards or other equally approved, both sides of a chip board substrate, backing board, sub-base, ironmongery, etc. Adjustable stainless steel tubular legs (Grade 304) with screw feet, non-slip pads, brushed satin finish, supporting cupboards and shelving, compliant with SANS standards manufactured in accordance with Architect's drawings. Tenderers are referred to Architect's drawing for Room Data Sheet 01 Drawing No. A106, annexured to these Bills of Quantities for the full description.	No	1	
7	Floor mounted canteen cupboards size of 2336 x 600 x 860mm high comprising of five (5) doors and one (1) drawer with B128MM hollow stainless steel barrel handle code 8236 O.O.E.A. or other equally approved, sides, shelving, etc. comprising of 16mm thick melamine faced particle board in iceberg white natural or other equally approved finish with high impact 2mm ABS edging, shelving consisting of melamine impregnated decorative paper, fused under heat and pressure to both sides of a chip board substrate, backing board, sub-base, ironmongery, etc. Manufactured in accordance with Architect's drawings. Tenderers are referred to Architect's drawing for Room Data Sheet 01 Drawing No. A106, annexured to these Bills of Quantities for the full description.	No	1	
8	Floor mounted canteen cupboards size of 2300 x 600 x 860mm high, or other equally approved, sides, shelving, etc. comprising of 16mm thick melamine faced particle board in iceberg white natural or other equally approved finish with high impact 2mm ABS edging, shelving consisting of melamine impregnated decorative paper, fused under heat and pressure to both sides of a chip board substrate, backing board, sub-base, ironmongery, etc. Adjustable stainless steel tubular legs (Grade 304) with screw feet, non-slip pads, brushed satin finish, supporting cupboards and shelving, compliant with SANS standards, Manufactured in accordance with Architect's drawings. Tenderers are referred to Architect's drawing for Room Data Sheet 01 Drawing No. A106, annexured to these Bills of Quantities for the full description.	No	1	
Carried Forward				R
Bill No. 7 Carpentry and Joinery				

Brought Forward					R
9	Floor mounted built-in kitchen sink cupboard overall size 2925 x 600 x 880mm high with five (5) doors, three (3) drawers, with B128MM hollow stainless steel barrel handle code 8236 O.O.E.A. or other equally approved, sides, shelving, etc. comprising of 16mm thick melamine faced particle board in iceberg white natural or other equally approved finish with high impact 2mm ABS edging, shelving consisting of melamine impregnated decorative paper, fused under heat and pressure to both sides of a chip board substrate, backing board, sub-base, ironmongery, etc. manufactured in accordance with Architect's drawings. Tenderers are referred to Architect's drawing for Room Data Sheet 05 No. A112, annexured to these Bills of Quantities for the full description.	No	2		
10	Wall mounted built-in kitchen cupboard overall size 1600 x 313 x 600mm high with three (3) doors and separate wall mounted single cupboard overall size 500 x 313 x 600mm high with one (1) door, with B128MM hollow stainless steel barrel handle code 8236 O.O.E.A. or other equally approved, sides, shelving, etc. comprising of 16mm thick melamine faced particle board in iceberg white natural or other equally approved finish with high impact 2mm ABS edging, shelving consisting of melamine impregnated decorative paper, fused under heat and pressure to both sides of a chip board substrate, backing board, sub-base, ironmongery, etc. manufactured in accordance with Architect's drawings. Tenderers are referred to Architect's drawing for Room Data Sheet 05 No. A112, annexured to these Bills of Quantities for the full description.	No	2		
<u>WORKTOPS, COUNTERS, ETC.</u>					
<u>20mm Thick "Shimmer Proquartz" Stonetops</u>					
11	2595 x 600 x 20mm Thick "Shimmer Proquartz" or other equally approved work top fixed to canteen floor cupboard (canteen floor cupboard elsewhere measured) including bull nose to edges, cutting opening for single bowl sink (sink elsewhere measured) Tenderers are referred to Architect's drawing for Room Data Sheet 01 Drawing No. A106, annexured to these Bills of Quantities for the full description.	No	1		
Carried Forward					R
Bill No. 7 Carpentry and Joinery					

Brought Forward			R
12	2000 x 610 x 20mm and 1760 x 610 x 20mm Thick L-shaped "Shimmer Proquartz" or other equally approved work top fixed to canteen floor cupboard (canteen floor cupboard elsewhere measured) including bull nose to edges, cutting opening for single bowl sink (sink elsewhere measured)Tenderers are referred to Architect's drawing for Room Data Sheet 01 Drawing No. A106, annexured to these Bills of Quantities for the full description.	No	1
13	3380 x 600 x 20mm Thick "Shimmer Proquartz" or other equally approved work top fixed to canteen floor cupboard (canteen floor cupboard elsewhere measured) including bull nose to edges, cutting opening for single bowl sink (sink elsewhere measured)Tenderers are referred to Architect's drawing for Room Data Sheet 01 Drawing No. A106, annexured to these Bills of Quantities for the full description.	No	1
14	2271 x 610 x 20mm Thick "Shimmer Proquartz" or other equally approved work top fixed to canteen floor cupboard (canteen floor cupboard elsewhere measured) including bull nose to edges, cutting opening for single bowl sink (sink elsewhere measured)Tenderers are referred to Architect's drawing for Room Data Sheet 01 Drawing No. A106, annexured to these Bills of Quantities for the full description.	No	1
15	2336 x 610 x 20mm Thick "Shimmer Proquartz" or other equally approved work top fixed to canteen floor cupboard (canteen floor cupboard elsewhere measured) including bull nose to edges, cutting opening for single bowl sink (sink elsewhere measured)Tenderers are referred to Architect's drawing for Room Data Sheet 01 Drawing No. A106, annexured to these Bills of Quantities for the full description.	No	1
16	2300 x 610 x 20mm Thick "Shimmer Proquartz" or other equally approved work top fixed to canteen floor cupboard (canteen floor cupboard elsewhere measured) including bull nose to edges, cutting opening for single bowl sink (sink elsewhere measured)Tenderers are referred to Architect's drawing for Room Data Sheet 01 Drawing No. A106, annexured to these Bills of Quantities for the full description.	No	1
Carried Forward			R
Bill No. 7 Carpentry and Joinery			

Brought Forward			R
17	2925 x 600 x 20mm Thick "Shimmer Proquartz" or other equally approved work top fixed to canteen floor cupboard (canteen floor cupboard elsewhere measured) including bull nose to edges, cutting opening for single bowl sink (sink elsewhere measured)Tenderers are referred to Architect's drawing for Room Data Sheet 05 Drawing No. A112, annexured to these Bills of Quantities for the full description.	No	2
<u>THE FOLLOWING IN SHELVING TO STORES</u>			
<u>Meranti or Superwood fixed to metal brackets (Metal brackets elsewhere measured)</u>			
18	22mm Thick L Shaped shelving size 3060 x 600 x 2205mm high comprising 4 x shelving, backing board, side board, brackets, 22mm thick meranti or superwood finished and varnished with two polyurethane varnish, etc. fixed to brackets with six 30mm x 6 self tapping countersunk wood screws. Tender are referred to drawing no.	No	1
19	22mm Thick L Shaped counter size 3000 x 600 x 22mm and 2100 x 600 x 22mm at desk high comprising 6 x powder coated tubular pole legs fixed to underside of counter including 20mm high backing board, side board, brackets, 22mm thick meranti or superwood finished and varnished with two polyurethane varnish, etc. fixed to brackets with six 30mm x 6 self tapping countersunk wood screws.	No	1
<u>TIMBER BENCHES</u>			
<u>Purpose made wrot meranti timber benches including steel frames</u>			
20	956 x 350 x 420mm High purpose made benches comprises of steel frames, six legs, epoxy powder coated in light grey, fitted with meranti slats, clear vanish to timber slats, etc.	No	2
<u>FIRE DOORS</u>			
<u>"Bitcon" or other equally approved 2hr rated fire door hung to steel frames including hinges, locks, etc.</u>			
21	Class B double door 1800 x 2032mm high hung to steel frames with galvanised mild steel face on both sides.	No	1
Carried Forward			R
Bill No. 7 Carpentry and Joinery			

Brought Forward			R
22	Class B single door 915 x 2032mm high hung to steel frames with galvanised mild steel face on both sides.	No	1
<u>FLUSH DOORS</u>			
<u>Interior quality solid core door with veneer with two concealed edges</u>			
23	44mm Single door size 915 x 2032mm high hung to steel door frame	No	22
24	50mm Door 1000 x 2032mm high hung to steel door frames. Type D4. Tenderers are referred to Architects drawings annexed to these Bills of Quantities for the full description of the door.	No	4
Carried to Summary			R
Bill No. 7 Carpentry and Joinery			

Item No	Quantity	Rate	Amount
<u>BILL NO. 8</u>			
<u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u>			
<u>PREAMBLES</u>			
The descriptions given in the various items below are not necessarily full and complete and reference must be made to the "General Preambles for Trades 2017" as published by the Association of South African Quantity Surveyors", and Supplementary Preambles for further description and amplification of work in this section			
<u>SUPPLEMENTARY PREAMBLES</u>			
Openings in ceilings for light fittings etc. are to include for additional suspension as required			
<u>Ceilings</u>			
Unless otherwise decribed ceilings shall be deemed to be horizontal			
<u>Fixings</u>			
Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pinned to blockwork 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			
Carried Forward		R	
Bill No. 8 Ceilings, Partitions and Access Flooring			

<p style="text-align: right;">Brought Forward</p> <p><u>Bulkheads</u></p> <p>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.</p> <p>Bulkheads have only been described as such where they conform to the above definition and where the horizontal or vertical dimensions do not exceed 900mm such portions of ceilings have been included in the appropriate general items of ceilings.</p> <p>Unless otherwise described bulkheads shall be deemed to be horizontal along the length.</p> <p>Circular bulkheads shall be given separately.</p> <p><u>Steel components</u></p> <p>All steel components for ceilings, partitions, etc are to be galvanised in accordance with SANS 121</p> <p style="text-align: right;">Carried Forward</p> <p>Bill No. 8 Ceilings, Partitions and Access Flooring</p>	<p style="text-align: center;">R</p>
	R

<p style="text-align: center;">Brought Forward</p> <p><u>Standard Drywall System</u></p> <p>Supply and install a standard drywall partition system with an overall thickness of 89mm comprising internal framing formed of 64mm galvanised steel studs at 600mm centres to galvanised steel top & galvanised steel bottom track including any additional steel studding required to form door openings, glazing or other apertures, angles, corners & terminated ends. Install horizontal studs at door head, & locking level and at window head & cill levels. The internal steel framing is to be dressed on both sides with 12.5mm thick tapered edged gypsum boards in single lengths to suite height, butt joined & secured to steel studding with 25mm drywall screws at maximum 300mm centres. Joints are to be taped over & skimmed with jointing compound and prepared for painting or wall papering. All external aluminium door frames, glazing frames, ceiling & wall channels & skirtings are to be formed of natural anodised aluminium sections with a minimum wall thickness of 1.35mm. Fixings to be 600mm centres and staggered. Preparation & finish to the partition walls to be in accordance with the manufacturers specifications, for finish refer to finishes schedules. All work to be carried out in accordance with the manufacturers specifications. Workshop drawings are required for approval prior to manufacture. Allow joinery to be fixed to partitions as shown on plan. Studs must then be spaced at 300mm centres to allow for wall fixtures. Partitions to receive 100mm aluminium strips as skirting nailed into drywall with concealed nails. Allow for electrical provisions in the partition system.</p> <p>Unless otherwise described rates for partitions shall be deemed to include for standard flat section 100mm aluminium skirtings on both sides nailed into drywall with concealed nails.</p>	<p style="text-align: center;">R</p>
<p style="text-align: center;">Carried Forward</p> <p>Bill No. 8 Ceilings, Partitions and Access Flooring</p>	<p style="text-align: center;">R</p>

Brought Forward		R	
<u>Partition Fitments</u>			
<ul style="list-style-type: none"> - Allow for the following to suit a 89mm drywall system: - Termination sections, - Door frame sections - Door gaskets - Glazing sections - Glazing gaskets, glazing beads & corner beads - 100mm Aluminium skirting - Recessed heads at partition and ceiling junctions. - Allow for additional studs at 300mm apart for fixing of joinery & wall fixtures (pin & white boards). 			
<u>Fire Proofing</u>			
Allow for fire stopping material where services pass through fire walls, details as per Fire Consultant. All combustible material to be fire proofed, as per Fire Consultant's specifications.			
<u>SUSPENDED CEILINGS</u>			
<u>Proprietary suspended ceilings</u>			
<u>"Pelican Econotile" or other approved ceiling tile to match existing, size 1200 x 600 x 12mm with white face finish and aluminium foil backing laid onto Pelican Econogrid pre-painted white exposed tee grid system including fire safety punchouts. Main tees suspended by means 19 x 0.5mm GMS strap, 2.5mm wire hangers at 1200mm centres including all necessary hangers, sub-grids and fixings</u>			
1	Ceilings suspended not exceeding 1m below concrete soffit	m2	50
2	Extra over ceiling for opening for 1200 x 600mm light fittings	No	12
3	Extra over ceiling for opening for airconditioning diffusers	No	8
4	Extra over ceiling for opening for fire sprinkler heads 40mm diameter	No	8
5	Extra over ceiling for opening for 250mm diameter light fittings	No	6
Carried Forward		R	
Bill No. 8 Ceilings, Partitions and Access Flooring			

Brought Forward			R
<u>"Mineral Fibre Acoustic" or other approved ceiling panel, size 600 x 600 x 12mm with white face finish and aluminium foil backing laid onto existing gridwork</u>			
6	Ceilings suspended not exceeding 1m below concrete soffit	m2	87
7	Extra over ceiling for opening for 600 x 600mm light fittings	No	54
8	Extra over ceiling for opening for airconditioning diffusers	No	16
9	Extra over ceiling for opening for 250mm diameter light fittings	No	9
<u>"Mineral Fibre Acoustic" or other approved ceiling panel, size 600 x 600 x 12mm with white face finish and aluminium foil backing laid on to grid system constructed of "Gridlock" steel brander fixed at a maximum of 500mm centres in one direction and all perimeter edges with 9mm tapered edge plasterboard and fixed at right angles to the appropriate suspension system using 25mm drywall screws at 150mm centres</u>			
10	Ceilings suspended not exceeding 1m below concrete soffit	m2	280
11	Extra over ceiling for opening for 600 x 600mm light fittings	No	34
12	Extra over ceiling for opening for 40mm down light fittings	No	44
13	Extra over ceiling for opening for airconditioning diffusers	No	50
14	Extra over ceiling for opening for fire sprinkler heads 40mm diameter	No	30
15	Extra over ceiling for opening for 250mm diameter light fittings	No	14
Carried Forward			R
Bill No. 8 Ceilings, Partitions and Access Flooring			

Brought Forward			R
<u>FLUSH PLASTERED SUSPENDED CEILINGS</u>			
<u>9mm "Pelican Systems Jumbo Plasterboard" or other approved flush jointed ceiling system to match existing, constructed of "Gridlock" steel branderling fixed at a maximum of 500mm centres in one direction and all perimeter edges with 9mm tapered edge plasterboard and fixed at right angles to the appropriate suspension system using 25mm drywall screws at 150mm centres</u>			
16	Ceilings suspended not exceeding 1m below concrete soffit	m2	31
17	Vertical bulkhead	m2	16
18	Horizontal bulkhead	m2	40
<u>CORNICES</u>			
<u>Shadowline, cornices, etc to ceilings</u>			
19	"Pelican PS1" or other equally approved white epoxy coated aluminium shadowline, to match existing, fixed with 5 x 25mm anchors at 450mm centres	m	419
<u>FIXED PARTITIONS</u>			
<u>Drywall partitioning consisting of 63.5mm ultrasteel studs spaced at 600mm centres into top and bottom tracks and clad both sides with "Gypsum" or other approved 2hr rated 12.5mm thick 'Rhino' board and all joints skimmed to a smooth finish, with and including 'MP12' mineral wool blanket between boards for sound absorption. Drywall installed all in accordance with manufacturer's specification</u>			
20	Partitions 2.7m high with bottom and top tracks plugged	m	24
21	Extra over partition for vertical abutment to existing partition walls	m	8
22	Extra over partition for vertical abutment to existing brick walls or concrete surfaces	m	14
23	Extra over partition for fair end	m	3
Carried Forward			R
Bill No. 8 Ceilings, Partitions and Access Flooring			

**CEF - Main Building
Renovation and Addition Works**

Brought Forward			R
24	Extra over partition for corners	m	3
25	Extra over partition for junction	m	3
<u>"Cubical Solutions' 12mm Compact High Pressure Laminate board, or other equally approved modular system, including partitions ,doors ,mid and end panels ect. for shower and ablution cubicles. Installed all in accordance with manufacturer's specification.</u>			
26	Partitions 2.2m high with bottom and top tracks plugged	m	25
Carried to Summary			R
Bill No. 8			
Ceilings, Partitions and Access Flooring			

Item No		Quantity	Rate	Amount
	BILL NO. 9			
	FLOOR COVERINGS, WALL LININGS, ETC			
	PREAMBLES			
	The descriptions given in the various items below are not necessarily full and complete and reference must be made to the "General Preambles for Trades 2017" as published by the Association of South African Quantity Surveyors", and Supplementary Preambles for further description and amplification of work in this section			
	SUPPLEMENTARY PREAMBLES			
	Screed deviations are not to exceed 3mm over 3000mm			
	Thoroughly clean down with SABS 5825 compliant diluted natural detergent and thoroughly rinse, allow to dry and apply 3 coats water based floor dressing compliant with SABS 1042.			
	Remove all contaminates, clean down and apply TAL screedmaster, prime with TAL Floor Primer using pump method all by TAL contractor in accordance with the manufacturer's instructions			
	ON CONCRETE FLOOR SURFACES			
	CARPET TILES			
	<u>Carpet to floors size 500 x 500mm - " Grey Black 10 (Coastline)" or other equally approved carpet tiles laid with an approved adhesive. Tenderer's are referred to Architect's specification schedule, annexed to these bills of quantities.</u>			
1	On floors	m2	350	
	Carried Forward		R	
	Bill No. 9 Floor Coverings			

	Brought Forward		R
	<p><u>Carpet to floors size 250 x1000 panels -Belgotex "Fringe - Pom Pom" General/Medium commercial tufted multi scroll loop tile or other equally approved carpet panels laid with an approved adhesive. Tenderer's are referred to Architect's specification schedule, annexed to these bills of quantities.</u></p>		
2	On floors	m2	86
	<p><u>Carpet to floors size 500 x 500mm - Heavy Commercial tufted multi scroll loop tile " Belgotex - Accelerate Boost - Strength " or other equally approved carpet tiles laid with an approved adhesive. Tenderer's are referred to Architect's specification schedule, annexed to these bills of quantities.</u></p>		
3	On floors	m2	64
	<u>RUBBER FLOORING</u>		
	<p><u>10mm High-density recycled rubber flooring, black with 15% EPDM fleck, interlocking tiles. R10 slip resistance (SANS 51130), Bfl-s1 fire rating (SANS 10177-5), flooring installed with approved adhesive all in accordance with manufactures specifications</u></p>		
4	On floors	m2	83
	<u>LAMINATED FLOORING</u>		
	<p><u>"Oak Trifecta Medium" - 1220 x 178mm OOEEA or other equally approved laminated floor laid as per manufacturers instructions. Tenderer's are referred to Architect's specification schedule, annexed to these bills of quantities.</u></p>		
5	On floors	m2	71
	Carried Forward		R
	Bill No. 9 Floor Coverings		

Brought Forward		R	
<u>BUDGETARY ALLOWANCES</u>			
6	Allow an amount of R 50,000.00 (Fifty Thousand Rand) as a budgetary amount to be used at the discretion of the Principal Agent and deducted in whole or in part if not required.	Item	50 000,00
Carried to Summary		R	
Bill No. 9 Floor Coverings			

Item No	Quantity	Rate	Amount
<u>BILL NO. 10</u>			
<u>IRONMONGERY</u>			
<u>PREAMBLES</u>			
<p>The descriptions given in the various items below are not necessarily full and complete and reference must be made to the "General Preambles for Trades 2017" as published by the Association of South African Quantity Surveyors", and Supplementary Preambles for further description and amplification of work in this section</p>			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>Proprietary items</u>			
<p><u>Where applicable the manufacturers' names or product catalogue titles are given in sub-headings preceding the items. Prices are to be based on the specific products/articles specified. If tenderer's wish to offer alternative products/articles for certain items, these items are to be clearly marked and the alternative specification given with supporting brochures etc. clarifying the features of the products/articles offered on request returnable samples are to be provided to the principal agent for consideration.</u></p>			
<u>Finishes to ironmongery</u>			
<p><u>Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list: BS Satin bronze lacquered CH Chromium plated SC Satin chromium plated SE Silver enamelled GE Grey enamelled AN Anodised natural AS Anodised silver AB Anodised bronze AG Anodised gold ABL Anodised black PB Polished brass PL Polished and lacquered PT Epoxy coated SD Sanded.</u></p>			
Carried Forward		R	
Bill No. 10 Ironmongery			

Brought Forward			R
<u>IRONMONGERY</u>			
<u>HINGES</u>			
1	Sinkless Hinge - (X2) (Code: 190571)	No	35
<u>LOCKSETS, ETC</u>			
2	625/35 - PROF CYL S/Lock D/Back Latch SS (Code: 169267)	No	34
3	GEZE N/PL DBL CYL 66MM MK (Code: 169388)	No	34
4	UNION Knob Cylinder Profile MKD SC (Code: 2X19SCMKD)	No	1
5	UNION Escutcheon On Rose Profile (Pairs) (Code: PZ-05SS)	No	1
<u>HANDLES</u>			
6	"EDD/104NC Sanford Lerver On N/S B/P" CYL(Code: 180871)or other equally approved,back to back lever handle pair.	Pairs	34
7	"UNION" Flush Pull Handles Square pair (Code: 99004SS) or other equally approved back to back handles.	No	1
8	"Deco Handles" Emergency exit, push bar with reversable latch or other equally approved (SKU: DF-493)	No	1
<u>LETTERS, NAMEPLATES, ETC</u>			
9	Tea sign 250 x 250mm 1.2mm Chromadek sheeting single sided, aluminium single sign holder	No	4
10	Kitchen / Canteen sign 250 x 250mm 1.2mm Chromadek sheeting single sided, aluminium single sign holder	No	4
11	Male Change room / Locker room sign 250 x 250mm 1.2mm Chromadek sheeting single sided, aluminium single sign holder	No	2
Carried Forward			R
Bill No. 10 Ironmongery			

Brought Forward			R
12	Female Change room / Locker room sign 250 x 250mm 1.2mm Chromadek sheeting single sided, aluminium single sign holder	No	2
13	Escape sign 250 x 250mm 1.2mm Chromadek sheeting single sided, aluminium single sign holder	No	1
14	No smoking sign 250 x 250mm 1.2mm Chromadek sheeting single sided, aluminium single sign holder	No	1
<u>SUNDRIES</u>			
15	139/69 - S/S F/MNT D/STOP Rubber Buffer (Code: 169187)	No	43
<u>BATHROOM FITTINGS</u>			
16	"Quartz Manual Paper Dispenser " or other approved paper holder (Code: PTH-QUA- 001), plugged and screwed to wall with stainless steel screws.	No	8
17	"Franke Rodan RODX672" or other approved 0,8mm thick satin finished stainless steel double toilet roll holder with spindle system (Code: 359987), size 144 x 138 x 301mm high for 2 rolls maximum 120mm diameter with cylinder lock with standard Franke Key, plugged and screwed to the wall with stainless steel screws.	No	20
18	"Franke Chronos BS647" or other approved satin finished stainless steel single soap dish (Code: 359864), size 125 x 90 x 22mm high, with a deep drawn rib tray, plugged and screwed to the wall with stianless steel screws.	No	2
19	"Ticra Manual Soap Dispenser - 1L Refillable bottle" or other approved stainless steel vertical wall mounted 1000ml soap dispenser (Code:TIC1101L-SAT) or other approved	No	12
Carried Forward			R
Bill No. 10 Ironmongery			

Brought Forward		R	
<u>DOOR CLOSURE</u>			
<u>Manufactured by "Dormakaba" or other equally approved:</u>			
20	NON HOLD OPEN Co-ordinated door closer system for rebated doors between 1500-2200mm. Closing Force EN 2-4. Adjustable strength. Hydraulic speed control. Max door width 1100mm per leaf. Push-side fixing. (Angle bracket included). Door closer compliant with EN 1154. Door co-ordinators tested to EN 1158. Door closer is CERTI FIRE approved (Certificate No. CF 119) for door types ITT 120, MM/IMM 240. Certified manufacturer to ISO 9001. (TS92G G-SR BG + Angle Bracket)	No	1
21	EN 2-4 Parallel Arm DELAYED ACTION Door Closer. Push Side Fixing (Parallel Arm Bracket Included) EN2 750-850, EN3 850-950, EN4 950-1100 (TS73V PA DC - PAB - SL)	No	1
Carried to Summary		R	
Bill No. 10 Ironmongery			

Item No		Quantity	Rate	Amount
	<u>BILL NO. 11</u>			
	<u>METALWORK</u>			
	<u>PREAMBLES</u>			
	The descriptions given in the various items below are not necessarily full and complete and reference must be made to the "General Preambles for Trades 2017" as published by the Association of South African Quantity Surveyors", and Supplementary Preambles for further description and amplification of work in this section			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Descriptions of bolts, anchors, etc</u>			
	Descriptions of bolts shall be deemed to include nuts and washers.			
	Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete.			
	Items described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described.			
	Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres			
	<u>Aluminium doors, windows, etc</u>			
	Doors and windows shall comply with AAAMSA design criteria			
	Doors and windows shall be supplied with protective tape and plastic and shall be removed only once surrounding trades have been completed			
	The Contractor is advised that the design, supply and installation of the aluminium windows, doors and shopfronts are to be carried out in strict accordance with the Architect's specification and all aluminium profiles, manufacturing and fixing methods are to comply with AAAMSA specifications and installation standards.			
	The Contractor to provide shop drawings for approval by			
	Carried Forward			
	Bill No. 11 Metalwork		R	

<p style="text-align: center;">Brought Forward</p> <p>the Architect. The Contractor shall submit shop drawings for approval by the Architect within two weeks of appointment. The Contractor shall only proceed with the works after written approval has been given by the Architect.</p> <p>The Contractor is to allow for and calculate tolerances for expansion and contraction of all aluminium profiles.</p> <p>The contractor is to provide a waterproofing guarantee for all shopfronts and windows.</p> <p>The Contractor is to confirm all window and shopfront sizes with the Architect.</p> <p>The following certificates shall be provided prior to commencement of work on site:</p> <ol style="list-style-type: none"> 1. A copy of the relevant AAAMSA performance test certificate from the manufacturer/contractor supplying the architectural aluminium product. 2. A certificate of conformance confirming that anodising or powder coating has been processed in accordance with SANS 999 and SANS 1796 respectively. 3. A powder guarantee of not less than 15 years issued by the powder manufacturer. The specific conditions contained in this guarantee shall form part of the powder coating process. 4. A certificate of conformance confirming that glazing has been installed in accordance with SANS 10137 ensuring that safety glazing materials have been installed in the mandatory areas and that each individual pane of safety glazing materials has been permanently marked. 5. A warranty from the manufacturer of the laminated safety glass and/or hermetically sealed glazing units guaranteeing the products against delamination and colour degradation for a period of not less than five years. <p style="text-align: center;">Carried Forward</p> <p>Bill No. 11 Metalwork</p>	<p style="text-align: center;">R</p>
	<p style="text-align: center;">R</p>

<p style="text-align: center;">Brought Forward</p> <p><u>Ironmongery</u></p> <p>All ironmongery to aluminium windows, doors, shopfronts, roller shutter doors etc is to be high quality adjustable stainless steel friction hinges with restrictors included with self tapper stainless steel screw fixing of plastic handle and lock piece supplied and fixed by the contractor. The Contractor is to provide for approval by the Architect samples of these ironmongery. All ironmongery shall be approved by the Architect prior to installation.</p> <p>The Contractor to supply all relevant shopfronts with catches, handles, hinges, etc. to match shopfronts and doors, all to the Architects approval and as per Architect's drawing & schedules.</p> <p><u>Sliding gear</u></p> <p>All sliding gear to sliding doors and windows to be supplied by the contractor unless otherwise specified. The contractor to provide samples for approval by the Architect of these sliding gear. All sliding gear shall be approved by the Architect prior to installation.</p> <p><u>Joints and sealants</u></p> <p>All joints in frames shall be made by mechanical means.</p> <p>An approved silicone sealant is to be provided for both sides of all internal and external shop fronts between the aluminium frames and brick wall or concrete column and between the aluminium frame and plaster finish</p>	<p style="text-align: center;">R</p>
<p style="text-align: center;">Carried Forward</p> <p>Bill No. 11 Metalwork</p>	<p style="text-align: center;">R</p>

Brought Forward			R
<u>ALUMINIUM WINDOWS, DOORS, ETC.</u>			
<u>Aluminium windows, doors, sliding doors, shopfronts, etc. complete with subframes, ironmongery, glass, sealing, etc., and fixing to brickwork or concrete or steel or drywall partition.</u>			
<u>All units suitable for coastal conditions, complying with AAAMSA performance criteria A2 and able to meet the mechanical performance requirements of SANS 613 for wind loads up to 1500Pa.</u>			
<u>Glazing shall be executed strictly on conformance with glass manufacturer's recommendation and SANS 10137:2011 and SANS 10400 Parts B, N, XA.</u>			
<u>Clear laminated glass to receive frosted film to Architects specification</u>			
<u>Frames to be installed strictly according to manufacturer's specifications.</u>			
1	Purpose made 'charcoal finish' powder coated aluminium door, all glazing with 6.38mm clear laminated safety glass, overall size 1080 x 2137mm high. To receive frosted film all in accordance to architects specifications. Type D01. Tenderer's are referred to Architect's drawing, annexed to these bills of quantities.	No	6
2	Purpose made 'charcoal finish' powder coated aluminium sliding door comprises of one fixed panel, one sliding panel, all glazing with 6.38mm clear laminated safety glass, overall size 1810 x 2110mm high. To receive frosted film all in accordance to architects specifications. Type D2. Tenderer's are referred to Architect's drawing, annexed to these bills of quantities.	No	2
3	Purpose made 'charcoal finish' powder coated aluminium double door comprises of one fixed panel, one sliding panel, all glazing with 6.38mm clear laminated safety glass, overall size 1510 x 2110mm high. To receive frosted film all in accordance to architects specifications. Type D3. Tenderer's are referred to Architect's drawing, annexed to these bills of quantities.	No	1
Carried Forward			R
Bill No. 11 Metalwork			

	Brought Forward			R
4	Purpose made 'charcoal finish' powder coated aluminium curtain walls comprises of fixed panels, glazing shall be coolvue grey 8.38mm Low-E laminated safety glass, overall size 5014 x 2700mm high. To receive frosted film all in accordance to architects specifications. Type W27. Tenderer's are referred to Architect's drawing, annexed to these bills of quantities.	No	1	
5	Purpose made 'charcoal finish' powder coated aluminium curtain walls comprises of fixed panels, glazing shall be coolvue grey 8.38mm Low-E laminated safety glass, overall size 5305 x 2700mm high. To receive frosted film all in accordance to architects specifications. Type W27. Tenderer's are referred to Architect's drawing, annexed to these bills of quantities.	No	1	
6	Purpose made 'charcoal finish' powder coated aluminium curtain walls comprises of fixed panels, glazing shall be coolvue grey 8.38mm Low-E laminated safety glass, overall size 3370 x 2700mm high. To receive frosted film all in accordance to architects specifications. Type W27. Tenderer's are referred to Architect's drawing, annexed to these bills of quantities.	No	1	
7	Purpose made 'charcoal finish' powder coated aluminium curtain walls comprises of fixed panels, glazing shall be coolvue grey 8.38mm Low-E laminated safety glass, overall size 10850 x 2700mm high. To receive frosted film all in accordance to architects specifications. Type W27. Tenderer's are referred to Architect's drawing, annexed to these bills of quantities.	No	1	
8	Purpose made 'charcoal finish' powder coated aluminium curtain walls comprises of fixed panels, one sliding panel, glazing shall be coolvue grey 8.38mm Low-E laminated safety glass, overall size 5400 x 2700mm high. To receive frosted film all in accordance to architects specifications. Type W27. Tenderer's are referred to Architect's drawing, annexed to these bills of quantities.	No	1	
9	Purpose made 'charcoal finish' powder coated aluminium curtain walls comprises of fixed panels, glazing shall be coolvue grey 8.38mm Low-E laminated safety glass, overall size 3524 x 2700mm high. To receive frosted film all in accordance to architects specifications. Type W25. Tenderer's are referred to Architect's drawing, annexed to these bills of quantities.	No	1	
	Carried Forward			R
	Bill No. 11 Metalwork			

	Brought Forward			R	
10	Purpose made 'charcoal finish' powder coated aluminium curtain walls comprises of fixed panels, glazing shall be coolvue grey 8.38mm Low-E laminated safety glass, overall size 2700 x 2625mm high. To receive frosted film all in accordance to architects specifications. Type W07. Tenderer's are referred to Architect's drawing, annexed to these bills of quantities.	No	1		
11	Purpose made 'charcoal finish' powder coated aluminium curtain walls comprises of fixed panels, glazing shall be coolvue grey 8.38mm Low-E laminated safety glass, overall size 3156 x 2625mm high. To receive frosted film all in accordance to architects specifications. Type W34. Tenderer's are referred to Architect's drawing, annexed to these bills of quantities.	No	1		
12	Purpose made 'charcoal finish' powder coated aluminium curtain walls comprises of fixed panels, glazing shall be coolvue grey 8.38mm Low-E laminated safety glass, overall size 2805 x 2625mm high. To receive frosted film all in accordance to architects specifications. Type W06. Tenderer's are referred to Architect's drawing, annexed to these bills of quantities.	No	1		
13	Purpose made 'charcoal finish' powder coated aluminium shopfront comprises of one fixed panel, one door, all glazing shall be coolvue grey 8.38mm Low-E laminated safety glass, overall size 3915 x 2625mm high. To receive frosted film all in accordance to architects specifications. Type W25. Tenderer's are referred to Architect's drawing, annexed to these bills of quantities.	No	1		
14	Purpose made 'charcoal finish' powder coated aluminium shopfront comprises of one fixed panel, one door, all glazing with 6.38mm clear laminated safety glass, overall size 3400 x 2625mm high. All in accordance to architects specifications. Type W25. Tenderer's are referred to Architect's drawing, annexed to these bills of quantities.	No	1		
15	Purpose made 'charcoal finish' powder coated aluminium windows comprises of one fixed panel, two open panels, all glazing with 6.38mm clear laminated safety glass, overall size 1800 x 610mm high. To receive frosted film all in accordance to architects specifications. Type W1. Tenderer's are referred to Architect's drawing, annexed to these bills of quantities.	No	9		
	Carried Forward			R	
	Bill No. 11 Metalwork				

Brought Forward		R
16	Purpose made 'charcoal finish' powder coated aluminium windows comprises of one fixed panel, all glazing with 6.38mm clear laminated safety glass, overall size 1000 x 610mm high. To receive frosted film all in accordance to architects specifications. Type W2. Tenderer's are referred to Architect's drawing, annexed to these bills of quantities.	No 6
17	"Lave Annecy" adjustable sliding shower door, or other equally approved fully framed - chromed framed clear glass. Approximate size 1400 x 2000mm high. Installation according to manufactures specifications.(SKU LAADS1200C)	No 1
<u>STEEL LOCKERS</u>		
<u>"Metmeister" or other equally approved lockers, colour: grey.</u>		
18	Lockers combination of seat bench and four lockers	No 6
<u>GALVANISED PRESSED STEEL DOOR FRAMES</u>		
<u>1,2mm Double rebated frames suitable for half brick wall fitted with three hinges</u>		
19	Frame for door 915 x 2032mm high	No 4
20	Frame for door 815 x 2032mm high	No 27
Carried to Summary		R
Bill No. 11 Metalwork		

Item No		Quantity	Rate	Amount
	<p>BILL NO. 12</p> <p><u>PLASTERING</u></p> <p><u>PREAMBLES</u></p> <p>The descriptions given in the various items below are not necessarily full and complete and reference must be made to the "General Preambles for Trades 2017" as published by the Association of South African Quantity Surveyors", and Supplementary Preambles for further description and amplification of work in this section</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Method</u></p> <p>The method to be used shall be either the monolithic method or the bonded method</p> <p><u>Laying</u></p> <p>Monolithic granolithic shall be applied to the partially set slab and thoroughly compacted and lightly wood floated to the required levels</p> <p>Bonded granolithic shall be applied to the slab after applying a 1:1 sand-and-cement slurry brushed over the surface and allowed to partially set before applying the granolithic. The granolithic shall be thoroughly compacted and lightly wood floated to the required levels</p> <p>After wood floating, the monolithic and bonded granolithic shall remain undisturbed until bleeding has ceased and the surface has stiffened. Any remaining bleed water and latence shall then be removed and the surface steel trowelled or power floated</p> <p><u>SCREEDS</u></p> <p><u>Screeds on concrete</u></p>			
1	30mm Thick on floors	m2	458	
	Carried Forward		R	
	Bill No. 12 Plastering			

Brought Forward			R
<u>SELF LEVELLING SCREED</u>			
<u>TAL SCREEDMASTER 5mm Self Levelling compound or other equally approved, installed in strict accordance with manufacturers instructions. To include TAL Primer or equally approved.</u>			
2	On floors to receive new floor finish.	m2	457
<u>INTERNAL PLASTER</u>			
<u>One coat 6mm "Gyproc" Rhinolite gypsum skimming compound on plaster with and including bonding compound as per manufacturers specification</u>			
3	On existing walls	m2	78
4	On new walls	m2	24
<u>One coat cement plaster steel floated on brickwork</u>			
5	On walls	m2	282
6	On walls in patches	m2	302
7	On narrow widths	m2	72
<u>One coat cement plaster steel floated on concrete surfaces</u>			
8	On columns	m2	7
9	On beams	m2	8
<u>EXTERNAL PLASTER</u>			
<u>One coat cement plaster steel floated on brickwork</u>			
10	On walls	m2	71
Carried to Summary			R
Bill No. 12 Plastering			

Item No	Quantity	Rate	Amount
<u>BILL NO. 13</u>			
<u>TILING</u>			
<u>PREAMBLES</u>			
<p>The descriptions given in the various items below are not necessarily full and complete and reference must be made to the "General Preambles for Trades 2017" as published by the Association of South African Quantity Surveyors", and Supplementary Preambles for further description and amplification of work in this section</p>			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>Fixing</u>			
<p>Unless described as 'fixed with adhesive to plaster (plaster elsewhere)' descriptions of tiling on brick or concrete walls, columns, etc. shall be deemed to include 1:4 cement plaster backing and descriptions of tiling on concrete floors etc. shall be deemed to include 1:3 screed</p>			
<p>Tiling described as 'fixed with adhesive on power floated concrete' shall be deemed to include for approved tiling key-coat</p>			
<p>Ceramic, porcelain, marble and granite tiles are to be fixed and grouted with suitable adhesives and grouts from the 'Tal' or other equally approved range of products as recommended by the manufacturer of the tiles</p>			
<p>Ceramic, porcelain, marble and granite tiles are to be fixed and grouted with suitable adhesives and grouts from the 'Tal' or other equally approved range of products as recommended by the manufacturer of the tiles</p>			
Carried Forward		R	
<p>Bill No. 13 Tiling</p>			

Brought Forward			R
<u>WALL TILING</u>			
<u>(Prime cost R 300/m2) excluding vat, 150 x 150mm ceramic tiles on screeds (screeds elsewhere measured) fixing with tile adhesive and jointing and pointing in Tal cement grout</u>			
1	On walls	m2	127
2	On splashback	m2	9
3	Narrow widths	m2	16
<u>(Prime cost R 300/m2) excluding vat, 100 x 200mm ceramic tiles on plastered walls (plaster elsewhere measured) fixing with tile adhesive and jointing and pointing in Tal cement grout</u>			
4	On walls	m2	740
5	Narrow widths	m2	94
<u>FLOOR TILING</u>			
<u>(Prime cost R 350/m2) excluding vat, 600 x 600mm non-slip porcelain tiles on screeds (screeds elsewhere measured) fixing with tile adhesive and jointing and pointing in Tal cement grout</u>			
6	On floors	m2	245
<u>SUNDRIES</u>			
7	10mm Aluminium straight edge trim	m	212
Carried to Summary			R
Bill No. 13 Tiling			

Item No		Quantity	Rate	Amount
	<u>BILL NO. 14</u>			
	<u>PLUMBING AND DRAINAGE</u>			
	<u>PREAMBLES</u>			
	The descriptions given in the various items below are not necessarily full and complete and reference must be made to the "General Preambles for Trades 2017" as published by the Association of South African Quantity Surveyors", and Supplementary Preambles for further description and amplification of work in this section			
	<u>SOIL DRAINAGE</u>			
	<u>uPVC class 34 pipes in class C bedding:</u>			
1	110mm Pipes vertically or ramped to cleaning eyes, etc. (no excavation) (LI)	m	5	
2	110mm Pipes laid in and including trenches not exceeding 1m deep (LI)	m	22	
	<u>Extra over uPVC pipes for fittings:</u>			
3	110mm Bend (LI)	No	24	
4	110mm Access junction (LI)	No	11	
5	110mm 'ABC' cast iron rodding eyes set in 300 x 300 x 300mm thick 15MPa/19 unreinforced concrete surround finished smooth on exposed surfaces with rounded angles (LI)	No	1	
	<u>Alterations to existing drains, manholes etc:</u>			
6	Break through existing precast concrete situated on side of manhole for and connect up new 110mm Class 34 uPVC pipe (elsewhere measured) and make good all round including new channels, benching, etc.	No	1	
	Carried Forward			
	Bill No. 14 Plumbing and Drainage		R	

Brought Forward			R
<u>SANITARY FITTINGS</u>			
<u>WC suites fixed complete in position an connected to services</u>			
7	"Lecico Paraplegic Box CC Pan Cistern Mech Rails" or other equally approved, floor standing wc (Code: PARSETCCB0RAIBE) for close-coupled exposed cistern, connected to existing outlet and water supply with metal hinges bottom fix and finished all round with silicone sealant.	No	1
8	"Entree Closed Couple Suite Flushing System" or other equally approved, floor standing wc (Code: ECCS) for close-coupled exposed cistern, connected to existing outlet and water supply with metal hinges bottom fix and finished all round with silicone sealant.	No	23
<u>Urinal suites fixed complete in position an connected to services</u>			
9	"Betta Alson Ceramic flatback urinal" with kit and spreader white 450 x 350 x 330 mm or other equally approved, wall mounted back inlet urinal (Code: 775455),with anti-splash flushing design with an efficient 1.9L flush. Versatile top or back entry installation. Compact concealed trapway. Suitable for commercial use. P-trap, hanging bracket set, braided hose 254mm and top inlet connection G1/2 included (code: 705600WH).	No	5
<u>Wash hand basins fixed complete and connected to services</u>			
10	Bathroom Cabinet and Basin Wall Mounted Pure White (One Drawer) (Code: W60CMXD47CMXH46CM) or other equally approved fixed to wall mounted basin, all according to manufactures installations, and connected to existing water supply and outlet as per manufacturer specifications.	No	2
11	Bathroom 'Solo Tamarin' basin and full pedestal white (Code: 775278)or other equally approved fixed to wall mounted basin, all according to manufactures installations, and connected to existing water supply and outlet as per manufacturer specifications.	No	21
Carried Forward			R
Bill No. 14 Plumbing and Drainage			

Brought Forward			R
12	"Betta Wall Hung Bathroom Basin Delux" or other equally approved entrace wall hung basin with overflow and sealed with silicone sealant where basin meets wall (Code: 529451)	No	1
	<u>Kitchen sink fixed complete and connected to services</u>		
13	Stainless steel industrial kitchen combination sink over all size 1820 x 660 x 600mm high including double sink, work top, shelving, four legs, etc. (Code: SS201 1.0MM)	No	1
14	"Laveo Ibiza one Bowl" or other equally approved undermount granite sink grey 560 x 460 x 200mm (Code: 850000400) , drop in sink with approved waterproof sealant, connected to existing water supply and outlet as per manufacturer specifications.	No	2
	<u>Shower tray fixed complete and connected to services</u>		
15	"Cascata Square ABS Shower Tray incl waste - CT6009T - 900 x 900 x 140mm" or other equally approved (Code: CTSHABS900SQU) , floor mounted tray with approved waterproof sealant, connected to existing water supply and outlet as per manufacturer specifications.	No	6
	<u>Shower rose fixed complete and connected to services</u>		
16	"Plumline Ultrathin stainless steel round shower rose 200" (Code: 035811) or other equally approved, all according to manufactures installations, and connected to existing water supply as per manufacturer specifications.	No	6
	<u>ELECTRIC HEAT PUMPS, WATER HEATERS, EXPANSION VESSELS, ETC.</u>		
17	150L Slim line geyser complete with associated pipework, fittings, valves, pressure reducing, supports, hangers and drip tray.	No	1
Carried Forward			R
Bill No. 14 Plumbing and Drainage			

Brought Forward			R
<u>TAPS, ETC</u>			
18	"Bijou Savole" or other equally approved basin mixer tap chrome (Code: SKU 81487601)	No	22
19	"Pescara 360 Professional Mixer Tap" or other equally approved (Code: 7612981695231)	No	2
20	"Plumline Corvus U/Wall Shower Mixer CP 15mm" or other equally approved basin mixer tap chrome (Code: 032033)	No	6
21	"Washb mixer New Nautic 150mm spout" or other equally approved basin mixer tap chrome (Code: GB41216055064L)	No	1
<u>TRAPS, ETC</u>			
22	"Wirquin" or other equally approved classic bottle trap (Code: 399761)	No	3
23	Trap P 40 x 40mm and 2mm clamps (Code: TPPT4040)	No	19
<u>SANITARY PLUMBING</u>			
<u>uPVC Pipes cast into concrete slabs, concrete surface bed, fixed to soffit and walls, or chased into walls, etc. in accordance with manufacturers specifications</u>			
24	50mm Pipes	m	79
25	110mm Pipes	m	43
<u>Extra over uPVC pipes for fittings</u>			
26	50mm Bend	No	62
27	50mm Access bend	No	31
28	50mm Access junction	No	22
29	110mm Bend	No	34
Carried Forward			R
Bill No. 14 Plumbing and Drainage			

		Brought Forward		R
30	110mm Access bend	No	17	
31	110mm Access junction	No	14	
32	110 x 50mm Access junction	No	16	
33	110mm Straight or bent pan connector	No	17	
<u>WATER SUPPLIES</u>				
<u>Copper pipes:</u>				
Pipes shall be hard drawn and half-hard pipes of the class stated. Class 0 (thin walled hard drawn) pipes shall not be bent. Class 1 (thin walled half-hard), class 2 (half-hard) and class 3 (heavy walled half-hard) pipes shall only be bent with benders with inner and outer formers. Fittings to copper waste, vent and anti-syphon pipes, capillary solder fittings and compression fittings shall be "Cobra Watertech" type. Capillary solder fittings shall comply with ISO 2016. Only compression fittings shall be used in walls or in ground				
<u>Class 2 copper pipes cast into concrete slabs, concrete surface bed, fixed to soffit and walls, or chased into walls, etc. in accordance with manufacturers specifications</u>				
34	15mm Pipes	m	216	
35	22mm Pipes	m	84	
<u>Extra over class 2 copper pipes for capillary fittings</u>				
36	15mm Fittings	No	162	
37	22mm Fittings	No	63	
<u>Extra over copper pipes for brass compression fittings:</u>				
38	15mm Fittings	No	120	
39	22mm Fittings	No	42	
40	15mm Stop valve	No	13	
41	22mm Stop valve	No	9	
Carried Forward				
Bill No. 14 Plumbing and Drainage				
				R

Brought Forward			R
42	15mm Flexible service pipe 300mm girth	No	54
43	22mm Flexible service pipe 300mm girth	No	17
<u>PIPE INSULATION</u>			
<u>Pipe insulation to hot water circulating and branch pipes foamed high density polyethylene split with longitudinal seam</u>			
44	Insulation to 15mm diameter piping and couplings including working around fittings	m	78
45	Insulation to 15mm diameter piping and couplings including working around fittings	m	41
<u>ELECTRIC WATER HEATERS</u>			
<u>Water heaters and accessories</u>			
46	10 Litre "Hydroboil" or other equally approved over sink electric water heater	No	3
Carried to Summary			R
Bill No. 14 Plumbing and Drainage			

[illegible]

Item No	Quantity	Rate	Amount
<u>BILL NO. 16</u>			
<u>PAINTWORK</u>			
<u>PREAMBLES</u>			
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<u>SUPPLEMENTARY PREAMBLES</u>			
<u>SABS Specifications</u>			
Alkali resistant primer - SABS 1416			
Wash primer (metal etch) - SABS 723			
Primers for internal wood work - SABS 678 Type 111			
Zinc chromate primer for steel - SABS 679 Type 1			
Undercoat for paints (Except emulsion paint) - SABS 681 Type 1			
Gloss enamel paint - SABS 631			
Aluminium paint - SABS 682 Grade 11			
Structural steel paint - SABS 684 Type B			
Emulsion paint - SABS 1586 (Gloss, Semi gloss, Matt : Internal / External)			
<u>PAINTWORK, ETC. TO PREVIOUSLY PAINTED SURFACES</u>			
<u>ON INTERNAL FLOATED PLASTER SURFACES</u>			
Carried Forward		R	
Bill No. 16 Paintwork			

Brought Forward			R
<u>Prepare and sand down existing surfaces, stripping off flaking paint, raking out cracks, filling cracks, etc. and apply "Dulux" or other equally approved Primer (PP700) and two coats "Velvagro" water based paint for interior use. (Colour: Brave Baby - DULUX 67YY/044)</u>			
1	On walls	m2	595
2	On narrow widths	m2	96
<u>Prepare and sand down existing surfaces, stripping off flaking paint, raking out cracks, filling cracks, adhesive etc. and apply "Dulux" or other equally approved plaster primer to receive new wall paper (Wall paper measured elsewhere)</u>			
3	On walls	m2	1 821
<u>ON EXTERNAL FLOATED PLASTER SURFACES</u>			
<u>Prepare and sand down existing surfaces, stripping off flaking paint, raking out cracks, filling cracks, etc. and apply "Dulux" or other approved alkali resistant primer and two coats "Dulux Trade 100 Lowsheen" emulsion paint for exterior use</u>			
4	On walls	m2	594
<u>ON CONCRETE SURFACES</u>			
<u>Prepare and sand down existing surfaces, stripping off flaking paint, raking out cracks, filling cracks, etc. and apply "Dulux" or other approved alkali resistant primer and two coats "Dulux Trade 100 Lowsheen" emulsion paint for exterior use</u>			
5	On columns	m2	251
<u>ON PLASTERBOARD SURFACES</u>			
<u>Prepare and sand down existing surfaces, stripping off flaking paint, etc. and apply "Dulux" or other equally approved Primer (PP700) and two coats water based paint for interior use. (Colour : Brave Baby - DULUX 67YY/044)</u>			
6	On dry walls	m2	132
Carried Forward			R
Bill No. 16 Paintwork			

Brought Forward			R
7	On ceilings	m2	27
<u>PAINTWORK, ETC. TO NEW SURFACES</u>			
<u>ON METAL SURFACES</u>			
<u>One coat calcium plumbate primer on:</u>			
8	Backs of galvanised steel door frames before fixing	m2	43
<u>"Dulux" or other approved alkyd based zinc phosphate primer, one coat alkyd based universal undercoat and two coats "Velvagio", on steel</u>			
9	On door frames	m2	42
<u>ON WOOD SURFACES</u>			
<u>One coat wood primer, two finishing coats of "Velvagio" or similar approved, sanding lightly between coats.</u>			
10	On doors	m2	97
11	On skirtings	m	142
<u>ON PLASTERBOARD SURFACES</u>			
<u>Apply "Dulux" or other equally approved Primer (PP700) and two coats water based paint for interior use. (Colour : Brave Baby - DULUX 67YY/044)</u>			
12	On ceilings	m2	55
<u>ON SKIMMED PLASTER SURFACES</u>			
<u>Apply "Dulux" or other equally approved Primer (PP700) and two coats water based paint for interior use. (Colour : Brave Baby - DULUX 67YY/044)</u>			
13	On skimmed walls	m2	24
<u>ON INTERNAL FLOATED PLASTER SURFACES</u>			
Carried Forward			R
Bill No. 16 Paintwork			

Brought Forward			R
<u>Apply "Dulux" or other equally approved Primer (PP700) and two coats water based paint for interior use. (Colour: Brave Baby - DULUX 67YY/044)</u>			
14	On walls	m2	140
15	On columns	m2	7
16	On beams	m2	8
<u>ON EXTERNAL FLOATED PLASTER SURFACES</u>			
<u>"Dulux" or other approved alkali resistant primer and two coats "Dulux Trade 100 Lowsheen" emulsion paint for exterior use</u>			
17	On walls	m2	41
Carried to Summary			R
Bill No. 16			
Paintwork			

Item No	Quantity	Rate	Amount
<u>BILL NO. 17</u>			
<u>PAPERHANGING</u>			
<u>PREAMBLES</u>			
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<u>SUPPLEMENTARY PREAMBLES</u>			
<u>Fixing</u>			
<p>Surface to be cleaned & prepared in strict accordance with wallpaper manufacturer 's instructions & specification to receive approved wallpaper finish. Walls to be smooth, dry, and free of dust, grease, or loose material prior to application. Apply appropriate primer or lining paper where required to ensure proper adhesion.</p> <p>Apply adequate adhesive and ensure smooth installation process with appropriate tools ensuring no bubbles, tears or punctures.</p>			
<u>PAPERHANGING TO EXISTING WORK</u>			
<u>Preparatory work to previously painted surfaces</u>			
<p>Surfaces shall be thoroughly washed down and allowed to dry completely before paperhanging is commenced. Blistered and peeling paint shall be completely removed and cracks shall be opened, filled with a suitable filler and finished smooth. All surfaces shall be painted with a single coat of interior quality PVA emulsion paint</p>			
Carried Forward		R	
Bill No. 17 Paperhanging			

Brought Forward			R
<u>Paper backed vinyl wallpaper (Prime cost R220,00/m2) excl. VAT, installed on previously painted surfaces, tenderer to price to include delivery, preparation, adhesive, wastage, installation, etc.</u>			
1	On walls and columns including narrow widths	m2	1 739
<u>Paper backed vinyl wallpaper (Prime cost R220,00/m2) excl. VAT, installed on previously painted surfaces, tenderer to price to include delivery, preparation, adhesive, wastage, installation, etc.</u>			
2	On walls and columns including narrow widths	m2	82
Carried to Summary			R
Bill No. 17 Paperhanging			

Item No	Quantity	Rate	Amount
<u>SECTION NO. 1</u>			
<u>BILL NO. 17</u>			
<u>PROVISIONAL SUMS</u>			
<u>PREAMBLES</u>			
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<u>BUDGETARY ALLOWANCES</u>			
1	Item		
Provide the sum of R250,000.00 (Two Hundred and Fifty Thousand Rand) as a budgetary amount to be used at the discretion of the Principal Agent and deducted in whole or in part if not required.			
<u>PROVISIONAL SUMS FOR NOMINATED/SELECTED SUBCONTRACT WORKS</u>			
<u>LOOSE FURNITURES</u>			
2	Item		3 000 000,00
Provide an amount of R3 000 000,00 (Three Million Rand) for loose furnitures			
3		%	
Profit on above item			
4		%	
Attendance on ditto			
<u>GYM EQUIPMENT</u>			
5	Item		250 000,00
Provide an amount of R250 000,00 (Two Hundred and Fifty Thousand Rand) for gym equipment			
6		%	
Profit on above item			
7		%	
Attendance on ditto			
Carried Forward			R
Bill No. 18 Provisional Sums			

Brought Forward		R	
<u>APPLIANCES AND EQUIPMENT</u>			
8	Provide an amount of R200 000,00 (Two Hundred Thousand Rand) for appliances and equipment	Item	200 000,00
9	Profit on above item	%	
10	Attendance on ditto	%	
<u>GAS STOVE, CHIMNEY EXTRACTOR AND GAS PIPING AND CYLINDER</u>			
11	Provide an amount of R85 000,00 (Eighty Five Thousand Rand) for gas stove, chimney extractor, pas piping and gas cylinder	Item	85 000,00
12	Profit on above item	%	
13	Attendance on ditto	%	
<u>RECEPTION FEATURE SCREENS AND CANOPY STRUCTURE</u>			
14	Provide an amount of R150 000,00 (One Hundred and Fifty Thousand Rand) for reception feature screen and canopy structure	Item	150 000,00
15	Profit on above item	%	
16	Attendance on ditto	%	
<u>STAINLESS STEEL INDUSTRIAL KITCHEN CATERING CUPBOARD, ETC.</u>			
17	Provide an amount of R180 000,00 (One Hundred and Eighty Thousand Rand) for stainless steel industrial kitchen catering cupboard, etc.	Item	180 000,00
18	Profit on above item	%	
19	Attendance on ditto	%	
Carried Forward		R	
Bill No. 18 Provisional Sums			

CEF - Main Building
Renovation and Addition Works

Brought Forward		R	
<u>SERVICING OF EXISTING AND INSTALLATION OF ELECTRICAL WORKS</u>			
20	Provide an amount of R770 000,00 (Seven Hundred and Seventy Thousand Rand) for servicing of existing and installation of electrical work	Item	770 000,00
21	Profit on above item	%	
22	Attendance on ditto	%	
<u>SERVICING OF EXISTING AND INSTALLATION OF NEW MECHANICAL VENTILATION SYSTEM</u>			
23	Provide an amount of R450 000,00 (Four Hundred and Fifty Thousand Rand) for servicing of existing and installation of new mechanical ventilation system	Item	450 000,00
24	Profit on above item	%	
25	Attendance on ditto	%	
<u>ACCESS CONTROL</u>			
26	Provide an amount of R400 000,00 (Four Hundred Thousand Rand) for access control	Item	400 000,00
27	Profit on above item	%	
28	Attendance on ditto	%	
<u>BALUSTRADE</u>			
29	Provide an amount of R15 000,00 (Fifteen Thousand Rand) for balustrade	Item	15 000,00
30	Profit on above item	%	
31	Attendance on ditto	%	
Carried Forward		R	
Bill No. 18 Provisional Sums			

**CEF - Main Building
Renovation and Addition Works**

Brought Forward			R
<u>BLINDS</u>			
32	Provide an amount of R500 000,00 (Five Hundred Thousand Rand) for blinds to windows	Item	500 000,00
33	Profit on above item		%
34	Attendance on ditto		%
Carried to Summary			R
Bill No. 18 Provisional Sums			

**CEF - Main Building
Renovation and Addition Works**

FINAL SUMMARY			Page No	Amount
1	Preliminaries	38		
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7	Carpentry and Joinery	64		
8	Ceilings, Partitions and Access Flooring	71		
9	Floor Coverings	74		
10	Ironmongery	78		
11	Metalwork	85		
12	Plastering	87		
13	Tiling	89		
14	Plumbing and Drainage	95		
15	Glazing	96		
16	Paintwork	100		
17	Paperhanging	102		
18	Provisional Sums	106		
	Sub Total		R	
	Contingency @ 5%		R	
	Sub Total		R	
	Value Added Tax (15%)		R	
	Carried to Form of Tender		R	