

BILLS OF QUANTITIES

**THE REHABILITATION OF THE CURATORS HOUSE AT THE THOHOYANDOU
NATIONAL BOTANICAL GARDEN IN THOHOYANDOU**

REVISION 0

JULY 2023

Prepared for:



BILL OF QUANTITIES

PRICING INSTRUCTIONS

1. Measuring System

1.1) The Bills of Quantities have been drawn up in accordance with the Standard System of Measuring Building Work (as amended) published and issued by the Association of South African Quantity Surveyors (Seventh Edition), 2015.

1.2) The quantities are provisional and will be re-measured upon completion of the works. The Contractor shall **not** use these quantities for ordering of materials. The Contractor must immediately notify the Quantity Surveyor if discrepancies are found between the quantities and/or descriptions in these Bills of Quantities and the Contractor's quantities measured from construction drawings and specifications.

2. General Pricing Notes

2.1) For the purposes of this Bill of Quantities, the following words shall have the meanings hereby assigned to them:

Unit : The unit of measurement for each item of work as defined in the Standardized, Project or Particular Specifications

Quantity : The number of units of work for each item

Rate : The payment per unit of work at each which the Tenderer quotes to do the work

Amount : The quantity of an item multiplied by the quoted rate of the (same) item

Sum : An amount quoted for an item, the extent of which is described in the Bill of Quantities, the Specifications or elsewhere, but of which the quantity of work is not measured in units

2.2) The units of measurements indicated in the bill of Quantities are metric units. The following abbreviations may appear in the Bill of Quantities:

mm = millimetre
m = metre
km = kilometre
m² = square metre
ha = hectare
m³ = cubic metre
m³-km = cubic metre-kilometre
No. = number
Sum = Lump Sum
l = litre
kW = kilowatt
kN = kilonewton
kg = kilogram
kPa = kilopascal
t = tonne (1000kg)
% = percent
MN = meganewton
MN-m = meganewton-metre
MPa = megapascal
PC Sum = Prime Cost Sum (Cost of material supplied excluding vat, profit and labour, but including transport and delivery costs)
Prov Sum = Provisional Sum

2.3) The short descriptions of the items of payment given in the bill of quantities are only for the purposes of identifying the items. Detail regarding the extent of the work entailed under each item is provided in the Scope.

2.4) Unless otherwise stated, items are measured net in accordance with the drawings and no allowance is made for waste.

2.5) The prices and rates to be inserted in the Bills of Quantities are to be the full inclusive for the work described under the several items. Such prices and rates shall cover all costs and expenses that may be required in and for the execution of the work described, and shall cover the cost of all general risks, liabilities and obligations set forth or implied in the documents on which the quotation is based, as well as overhead charges and profit. Reasonable prices shall be inserted as these will be used as a basis for assessment of payment for additional work that may have to be carried out.

2.6) A price or rate is to be entered against each item in the Bills of Quantities, whether the quantities are stated or not. An item against which no price is entered will be considered to be covered by the other prices or rates in the Bills of Quantities.

2.7) Except where rates only are required, insert all amounts to be included in the total quoted price in the "amount" column and show the corresponding total quoted price.

2.8) It will be assumed that prices included in the Bills of Quantities are based on Acts, Ordinances, Regulations, By laws, International Standards and National Standards that were published 28 days before the closing date for quotations. (Refer to www.stanza.org.za or www.iso.org for information on standards).

2.9) The quantities contained in the Bill of Quantities may not be final and do not necessarily represent the actual amount of work to be done. The Bills of Quantities is not intended for the ordering of materials. Any ordering of materials, based on the Bills of Quantities, is at the Contractor's risk.

2.10) The quantities of work as measured and accepted and certified for payment in accordance with the conditions of contract, and not the quantities stated in the Bill of Quantities, will be used to determine payments to the Contractor. The validity of the Contract shall in no way be affected by difference between the quantities in the Bill of Quantities and the quantities certified for payment. The Ordering of materials is not to be based on the Bill of Quantities, but only on information issued for construction purposes.

2.11) The contract sum must include for Value Added Tax (VAT). All rates, provisional sums, etc. in the Bills of Quantities are net (exclusive of VAT) with VAT calculated and added to the total value thereof in the Final Summary.

2.12) This is a **Fixed Rate Contract with re-measurable quantities** and no escalation will be considered

2.13) The descriptions provided trades must be read in conjunction with the Architect's and Engineer's Drawings, Details, Schedules and Specifications and the tenderer must price accordingly.

2.14) The contractor is to identify items within the Bills of Quantities that are to be assigned as labour intensive and price these items accordingly

3. Structure and locations of Bills of Quantities

SECTION NO. 1: PRELIMINARIES

SECTION NO. 2: BUILDING WORKS

SECTION NO. 3: PROVISIONAL SUMS

SECTION NO. 4: ELECTRICAL WORK BOQ

SECTION NO. 5: CONTINGENCY

FINAL SUMMARY - TO BE CARRIED TO FORM OF OFFER AND ACCEPTANCE

4. Details of the Agreement

4.1) The agreement is based on the JBCC Series 2000 Principal Building Agreement, prepared by the Joint Building Contracts Committee, Edition 5.0, Reprint 1 July 2007. The additions, deletions and alterations to the JBCC Principal Building Agreement are stated in the Preliminaries section of the Bills of Quantities as well as the contract specific variables are as stated in the Contract Data.

4.2) The ASAQS Preliminaries published by the Association of South African Quantity Surveyors , August 2010, are forming part of the overall Preliminaries Bill of Quantities and the preliminaries specific variables are stated within the Preliminaries Bills of Quantities.

4.3) Where any item is not relevant to this specific contract, such item is marked N/A (signifying “not applicable”)

5. General Preambles for Trades (2017)

5.1) Tenderers are referred to the General Preambles for Trades (2017 Edition as recommended and published by the Association of South African Quantity Surveyors) and to the Supplementary Preambles to all Trades.

The Tenderer must study the General Preambles and the Supplementary Preambles to all Trades before pricing this document and the quotation sum shall cover all costs and charges that may be considered necessary by the tenderer for the carrying out and observance of the provisions of the General Preambles and the Supplementary Preambles to all Trades.

5.2) Descriptions in the Bills of Quantities are abbreviated and comply generally with those in the “General Preambles for Trades 2017”.

6. General

6.1) The drawings listed in the Scope of Works used for the setting up these Bills of Quantities are kept by the quantity surveyor and can be viewed at any time during office hours up until the completion of the works.

7. Proprietary Names / Trade Names

7.1) Reference to any particular trademark, name, patent, design, type, specific origin or producer is purely to establish a standard for requirements. Products or articles of an equivalent standard may be substituted, subject to the Principal Agent's approval.

Item No		Unit	Quantity	Rate	Amount	
	<u>SECTION 1</u> <u>BILL NO. 1</u> <u>PRELIMINARIES</u> <u>BUILDING AGREEMENT AND PRELIMINARIES</u> The Conditions of Contract are the <i>JBCC Series 2000 Principal Building Agreement (Edition 5.0 (reprint 1) of July 2007), inclusive of the Contract Data Addenda EC and CE</i>, prepared by the Joint Building Contracts Committee Inc. amended as hereinafter described The <i>ASAQS Preliminaries (August 2010 edition)</i> published by the Association of South African Quantity Surveyors for use with the said JBCC Principal Building Agreement inclusive of the Contract Data Addenda EC and CE shall be deemed to be incorporated hereinafter The contractor is deemed to have referred to the abovementioned documents for the full intent and meaning of each clause. In addition the contractor is deemed to have referred to the amendments to the general conditions of contract as well as the specific conditions of contract These clauses are hereinafter referred to by clause number and heading only. Where standard clauses or alternatives are not entirely applicable to this agreement such modifications, corrections or supplements as will apply are given under each relevant clause heading and such modifications, corrections or supplements shall take precedence notwithstanding anything contrary contained in the abovementioned documents					
	Carried to Collection					
	Section No. 1 Preliminaries Bill No. 1 Preliminaries (Section A)					

Item No		Unit	Quantity	Rate	Amount	
	Where modifications or amendments as described are made, such modification and/or amendments shall supersede any conflicting provision in the relevant clauses of the Preliminaries or the Principal Building Agreement and the Tenderer shall make due allowance for whatever costs and charges he may consider necessary for the carrying out and observance of the provisions of the clauses as modified and/or amended. Where any item is not relevant to this specific agreement such item is marked not applicable (N/A) <u>PREAMBLES FOR TRADES</u> Tenderers are referred to the General Preambles for Trades (2017 Edition as recommended and published by the Association of South African Quantity Surveyors) and to the Supplementary Preambles to all Trades. These preambles 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. The Tenderer must study the General Preambles and the Supplementary Preambles to all Trades before pricing this document and the quotation sum shall cover all costs and charges that may be considered necessary by the tenderer for the carrying out and observance of the provisions of the General Preambles and the Supplementary Preambles to all Trades. Supplementary preambles are incorporated in these bills of quantities to satisfy the requirements of this project. Such supplementary preambles shall take precedence over the provisions of the said Model Preambles The contractor's prices for all items throughout these bills of quantities must take account of and include for all of the obligations, requirements and specifications given in the said Model Preambles and in any supplementary preambles					
	Carried to Collection					
	Section No. 1 Preliminaries Bill No. 1 Preliminaries (Section A)					

Item No		Unit	Quantity	Rate	Amount
	<u>STRUCTURE OF THIS PRELIMINARIES BILL</u> Section A : A recital of the headings of the individual clauses in the aforementioned JBCC Principal Building Agreement Section B : A recital of the headings of the individual clauses in the aforementioned JBCC General Preliminaries (refer to JBCC) Section C : A recital of the headings of the individual special clauses to meet the particular circumstances of the project <u>PRICING OF PRELIMINARIES</u> Option A in the contract data applies for the adjustment of preliminaries, the amounts entered against the relevant items in these preliminaries are to be divided into one or more of the three categories provided namely fixed (F), value related (V) and time related (T)				
	Carried to Collection Section No. 1 Preliminaries Bill No. 1 Preliminaries (Section A)			R	

Item No		Unit	Quantity	Rate	Amount	
1	<u>SECTION A - PRINCIPAL BUILDING AGREEMENT</u> <u>Definitions</u> <u>Definitions (A1)</u> Clause 1.0 - Definitions and interpretation Replace the definitions with the following wording: AGREEMENT: The agreement arising from the signing of the Form of Offer and Acceptance by the parties BILLS OF QUANTITIES: The document drawn up in accordance with the measuring system as stated in the Pricing Data. The contractor shall have priced the document to reflect the contract sum CONTRACT DOCUMENTS: The documents listed in the Form of Offer and Acceptance CONTRACT DRAWINGS: The drawings stated in the RFQ document upon which the accepted quotation or negotiated amount was based CONTRACT SUM: The total of prices inclusive of VAT as stated in the Form of Offer and Acceptance Add the following definitions: SCOPE OF WORK: The listed variables applicable to this agreement SITE INFORMATION: The listed variables applicable to this agreement F:..... V:..... T:.....					
	Carried to Collection Section No. 1 Preliminaries Bill No. 1 Preliminaries (Section A)		Item	R		

Item No		Unit	Quantity	Rate	Amount	
	<u>Objective and preparation (A2 - A14)</u>					
2	Clause 2.0 - Offer acceptance and performance obligations F:..... V:..... T:.....		Item			
3	Clause 3.0 - Documents The contract drawings are issued with the RFQ F:..... V:..... T:.....		Item			
4	Clause 4.0 - Design responsibility F:..... V:..... T:.....		Item			
5	Clause 5.0 - Employer's agents F:..... V:..... T:.....		Item			
6	Clause 6.0 - Contractor's site representative F:..... V:..... T:.....		Item			
	Carried to Collection			R		
	Section No. 1 Preliminaries Bill No. 1 Preliminaries (Section A)					

Item No		Unit	Quantity	Rate	Amount	
7	Clause 7.0 - Compliance with laws and regulations Without limiting the generality of the provisions of clause 7.0, the contractor's attention is drawn to the provisions of the Construction Regulations, 2014 issued in terms of the Occupational Health and Safety Act, 1993. It is specifically stated that the employer shall prepare a documented health and safety specification for the works and that the employer shall ensure that the contractor has made provision for the cost of health and safety measures during the execution of the works. The contractor shall price opposite this item for compliance with the act and the regulations and the reasonable provisions of the aforementioned health and safety specifications. Contractor to provide a detailed breakdown of all costs for health and safety measures, as per the requirements within the Construction Regulations F:..... V:..... T:.....					
8	Clause 8.0 - Works risk F:..... V:..... T:.....					
9	Clause 9.0 - Indemnities F:..... V:..... T:.....					
10	Clause 10.0 - General insurances F:..... V:..... T:.....					
11	Clause 11.0 - Special insurances F:..... V:..... T:.....					
Carried to Collection					R	
Section No. 1 Preliminaries Bill No. 1 Preliminaries (Section A)						

Item No		Unit	Quantity	Rate	Amount	
12	Clause 12.0 - Effecting insurances F:..... V:.....T:.....		Item			
13	Clause 13.0 - Assignment F:..... V:..... T:.....		Item			
14	Clause 14.0 - Security F:..... V:..... T:..... <u>Execution (A15 - A23)</u>		Item			
15	Clause 15.0 - Preparation for and execution of the works F:..... V:..... T:.....		Item			
16	Clause 16.0 - Site and access F:..... V:..... T:.....		Item			
17	Clause 17.0 - Contract instructions F:..... V:..... T:.....		Item			
18	Clause 18.0 - Setting out of the works The contractor shall notify the principal agent if any encroachments of adjoining foundations, buildings, structures, pavements, boundaries, etc. exist in order that the necessary arrangements may be made for the rectification of any such encroachments <i>[18.1]</i> F: V:.....T:.....		Item			
	Carried to Collection				R	
	Section No. 1					
	Preliminaries					
	Bill No. 1					
	Preliminaries (Section A)					

Item No		Unit	Quantity	Rate	Amount	
19	Clause 19.0 - Temporary works and plant F:..... V:..... T:.....		Item			
20	Clause 20.0 - Nominated subcontractors F:..... V:..... T:.....		Item			
21	Clause 21.0 - Selected subcontractors General attendance of n/s subcontractors for pricing by the contractor shall be in accordance with the n/s agreement . Notwithstanding this provision, general attendance shall be deemed to include for the contractor to provide free of charge to any n/s subcontractor such scaffolding as may reasonably be required by such n/s subcontractor for the execution of the relevant subcontract work F:..... V:..... T:.....		Item			
22	Clause 22.0 - Employer's direct contractors F:..... V:..... T:.....		Item			
23	Clause 23.0 - Contractor's domestic subcontractors F:..... V:..... T:..... <u>Completion (A24 - A30)</u>		Item			
24	Clause 24.0 - Practical completion F:..... V:..... T:.....		Item			
25	Clause 25.0 - Works completion F:..... V:..... T:.....		Item			
Carried to Collection				R		
Section No. 1 Preliminaries Bill No. 1 Preliminaries (Section A)						

Item No		Unit	Quantity	Rate	Amount	
26	Clause 26.0 - Final completion F:..... V:..... T:.....		Item			
27	Clause 27.0 - Latent defects liability period F:..... V:..... T:.....		Item			
28	Clause 28.0 - Sectional completion F:..... V:..... T:.....		Item			
29	Clause 29.0 - Revision of date for practical completion F:..... V:..... T:.....		Item			
30	Clause 30.0 - Penalty for late or non-completion F:..... V:..... T:..... <u>Payment (A31 - A35)</u>		Item			
31	Clause 31.0 - Interim payment F:..... V:..... T:.....		Item			
					R	
Carried to Collection						
Section No. 1 Preliminaries Bill No. 1 Preliminaries (Section A)						

Item No		Unit	Quantity	Rate	Amount	
32	Clause 32.0 - Adjustment to the contract value All fluctuations in costs, with the exception of fluctuations in the rate of Value Added Tax, shall be for the account of the contractor [32.13] Where prices are submitted by the contractor or n/s subcontractor during the progress of the works in respect of contract instructions or in regard to a claim under the terms of the 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. F:..... V:..... T:.....					
33	Clause 33.0 - Recovery of expense and loss F:..... V:..... T:.....		Item			
34	Clause 34.0 - Final account and final payment F:..... V:..... T:.....		Item			
35	Clause 35.0 - Payment to other parties F:..... V:..... T:..... <u>Termination (A36 - A39)</u>		Item			
36	Clause 36.0 - Termination by employer - contractor's default F:..... V:..... T:.....		Item			
	Carried to Collection			R		
	Section No. 1 Preliminaries Bill No. 1 Preliminaries (Section A)					

Item No		Unit	Quantity	Rate	Amount	
37	Clause 37.0 - Termination by employer - loss and damage F:..... V:..... T:.....		Item			
38	Clause 38.0 - Termination by contractor - employer's default F:..... V:..... T:.....		Item			
39	Clause 39.0 - Termination - cessation of the works F:..... V:..... T:.....		Item			
	<u>Dispute (A40)</u>					
40	Clause 40.0 - Settlement of disputes F:..... V:..... T:.....		Item			
	<u>SUMMARY OF CATEGORIES</u> Category : Fixed R..... Category : Value R..... Category : Time R.....					
	Carried to Collection			R		
	Section No. 1 Preliminaries Bill No. 1 Preliminaries (Section A)					

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Item No		Unit	Quantity	Rate	Amount
	<u>SECTION 1</u> <u>BILL NO. 2</u> <u>SECTION B - JBCC PRELIMINARIES</u> <u>Definitions and interpretation (B1)</u> 1 Clause 1.0 - Definitions and interpretation F:..... V:..... T:..... <u>Documents (B2)</u> 2 Clause 2.1 - Checking of documents F:..... V:..... T:..... Clause 2.2 - Provisional bills of quantities These bills of quantities are provisionally measured. F:..... V:..... T:..... Clause 2.3 - Availability of construction documentation The budgetary allowances and selected/nominated subcontract amounts allocated for subsequent trades included in this document will be separately procured, based on multiple procurement of selected/nominated subcontractors during the construction period, or to be executed by the Main Contractor and priced at Bill rates or rates to be agreed. To be used in part or in full at the discretion of the Principal Agent. F:..... V:..... T:.....				
	Carried to Collection			R	
	Section No. 1 Preliminaries Bill No. 2 JBCC Preliminaries (Section B)				

Item No		Unit	Quantity	Rate	Amount	
3	<u>Previous work and adjoining properties (B3)</u>					
	Clause 3.1 - Previous work - dimensional accuracy					
	F:..... V:..... T:.....		Item			
	Clause 3.2 - Previous work - defects					
	F:..... V:..... T:.....		Item			
	Clause 3.3 - Inspection of adjoining properties					
	F:..... V:..... T:.....		Item			
	<u>Samples, shop drawings and manufacturer's instructions (B4)</u>					
	Clause 4.1 - Samples of materials					
	F:..... V:..... T:.....		Item			
4	Clause 4.2 - Workmanship samples					
	F:..... V:..... T:.....		Item			
	Clause 4.3 - Shop drawings					
	F:..... V:..... T:.....		Item			
	Clause 4.4 - Compliance with manufacturer's instructions					
	F:..... V:..... T:.....		Item			
	Carried to Collection				R	
	Section No. 1 Preliminaries Bill No. 2 JBCC Preliminaries (Section B)					

Item No		Unit	Quantity	Rate	Amount	
	<u>Deposits and fees (B5)</u>					
5	Clause 5.1 - Deposits and fees F:..... V:..... T:.....		Item			
	<u>Temporary services (B6)</u>					
6	Clause 6.1 - Water Water for the works is described in : Contract Data EC F:..... V:..... T:.....		Item			
	Clause 6.2 - Electricity Electricity for the works is described in : Contract Data EC F:..... V:..... T:.....		Item			
	Clause 6.3 - Telecommunication facilities Telecommunication facilities are described in : Contract Data EC F:..... V:..... T:.....		Item			
	Clause 6.4 - Ablution facilities Ablution facilities are described in : Contract Data EC F:..... V:..... T:.....		Item			
	<u>Prime cost amounts (B7)</u>					
7	Clause 7.1 - Responsibility for prime cost amounts F:..... V:..... T:.....		Item			
	Carried to Collection			R		
	Section No. 1 Preliminaries Bill No. 2 JBCC Preliminaries (Section B)					

Item No		Unit	Quantity	Rate	Amount	
	<u>Special attendance on n/s subcontractors (B8)</u>					
8	Clause 8.1 - Special attendance F:..... V:..... T:.....		Item			
	<u>General (B9)</u>					
9	Clause 9.1 - Protection of the works F:..... V:..... T:..... Clause 9.2 - Protection/isolation of existing/sectionally occupied works Specific requirements for protection/isolation of existing/sectionally occupied works are described in : Contract Data EC F:..... V:..... T:.....		Item			
	Clause 9.3 - Security of the works F:..... V:..... T:.....		Item			
	Clause 9.4 - Notice before covering work F:..... V:..... T:.....		Item			
	Clause 9.5 - Disturbance F:..... V:..... T:.....		Item			
	Clause 9.6 - Environmental disturbance F:..... V:..... T:.....		Item			
	Carried to Collection			R		
	Section No. 1 Preliminaries Bill No. 2 JBCC Preliminaries (Section B)					

Item No		Unit	Quantity	Rate	Amount	
	Clause 9.7 - Works cleaning and clearing F:..... V:..... T:..... Clause 9.8 - Vermin F:..... V:..... T:..... Clause 9.9 - Overhand work F:..... V:..... T:..... <u>SUMMARY OF CATEGORIES</u> Category : Fixed R..... Category : Value R..... Category : Time R.....		Item Item Item			
	Carried to Collection			R		
	Section No. 1 Preliminaries Bill No. 2 JBCC Preliminaries (Section B)					

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Item No		Unit	Quantity	Rate	Amount	
2	Clause C2 - Warranties Warranties shall be sought by the Principal Agent from all nominated or selected firms carrying out work or supplying goods. All warranties and guarantees issued by Subcontractors shall be underwritten by the Contractor. The Contractor shall obtain and hand over to the Principal Agent at practical completion, all relevant guarantees and maintenance instructions provided by manufacturers, suppliers or subcontractors, suitably filed together. F:..... V:..... T:.....					
3	Clause C3 - Indemnities Indemnities shall be sought by the Principal Agent from all Contractors undertaking any design responsibility. F:..... V:..... T:.....					
Carried to Collection						R
Section No. 1 Preliminaries Bill No. 3 Special Preliminaries (Section C)						

Item No		Unit	Quantity	Rate	Amount	
4	Clause C4 - Work Or Installations By Direct Contractors Pursuant to Clause 22 the Employer and his Tenants shall have the right to employ other Contractors (hereinafter referred to as "Direct Contractors") to execute any special or other works or installation whether contained in this Contract or not, concurrently with the work being executed under this Contract. The Contractor shall not be entitled to any percentage, profit or discount on the value of any work executed by "Direct Contractors" other than attendance on specific items as specified elsewhere in these Bills of Quantities but shall nevertheless allow these Direct Contractors and the Employer's Tenants and employees to have access to the Works, allocate reasonable space in the building for the storage of their materials, tools and equipment, and relate the work of such Direct Contractors to the Contract Programme as necessary, all to the satisfaction of the Principal Agent. The Contractor shall also allow the Direct Contractors, etc. to use, free of charge, the latrine accommodation and water and power supply on the Site, and shall not in any way hinder or prevent the execution of their work. F:..... V:..... T:.....					
5	Clause C5 - As-Built Drawings The Contractor shall be required to ensure that, at the end of the project, copies of the plumbing, drainage and fire services reticulation layouts showing the position of main pipe runs, the positions of stopcocks and all other salient information are submitted to the Principal Agent. All such as-built drawings are to be lodged prior to the issue of the certificate of works completion. F:..... V:..... T:.....					
Carried to Collection					R	
Section No. 1 Preliminaries Bill No. 3 Special Preliminaries (Section C)						

Item No		Unit	Quantity	Rate	Amount	
6	Clause C6 - Use Of Site The Contractor shall not use the site for any purpose other than carrying out the Works. F:..... V:..... T:.....		Item			
7	Clause C7 - Interpretation Of Drawings, Specifications And Bills Of Quantities Should any part or parts of the Drawings, Specifications or Bills of Quantities not be clearly legible to the Contractor, or the material or articles to be used in the execution of the Works be considered insufficiently described or the manner in which the work is to be carried out not be clear, the Contractor must obtain from the Principal Agent the necessary information to clarify such Drawings, Specification, Bills of Quantities or instructions which request shall be in writing. The Contractor shall be held solely responsible for and shall, at his own expense, rectify any errors arising out of incorrect interpretation of the Drawings, Specifications, Bills of Quantities or instructions. F:..... V:..... T:.....		Item			
8	Clause C8 - Ownership and Care of Drawings and Documents All drawings and documents are to be considered the sole property of the Employer and are to be returned to them on completion of the Works. The drawings, etc., are to be used by the Contractor for the purpose of this Contract only. All drawings must be properly cared for, protected and kept in good condition. F:..... V:..... T:.....		Item			
Carried to Collection					R	
Section No. 1 Preliminaries Bill No. 3 Special Preliminaries (Section C)						

Item No		Unit	Quantity	Rate	Amount	
9	Clause C9 - Checking of Drawings and Specifications Upon receipt of detail drawings for any work, the Contractor shall, before putting that work in hand, ascertain that the dimensions given on the detail drawings correspond with the dimensions of any work already built and which governs the sizes of any work for which details are now issued. In the event of the detail drawings not agreeing with the works already built, the discrepancy shall be brought to the Principal Agent's attention timeously and the detail drawings shall be returned at once for alterations. F:..... V:..... T:.....					
10	Clause C10 - Scale of Dimensions All dimensions will be figured on the drawings or may be calculated from figured dimensions and are always to be followed. No dimensions shall be obtained by scaling. F:..... V:..... T:.....		Item			
11	Clause C11 - Contract Instructions Instructions issued on Site shall be recorded in a Contract instruction book supplied by the Contractor. Only site instructions issued in such book shall be recognised. Site instructions to the Contractor and various Sub-contractors may be issued only by the Principal Agent and shall be issued via the Contractor. F:..... V:..... T:.....		Item			
Carried to Collection					R	
Section No. 1 Preliminaries Bill No. 3 Special Preliminaries (Section C)						

Item No		Unit	Quantity	Rate	Amount	
12	Clause C12 - Encroachment by Contractor During the course of the building operations the Contractor shall be held entirely responsible for any encroachment onto any adjoining properties or servitudes as a result of his default and the cost of any remedial measures arising therefrom as required by the Principal Agent shall be borne by the Contractor. F:..... V:..... T:.....					
13	Clause C13 - Security at Completion The Contractor shall account for and hand over to the Employer all keys, properly labelled with itemised schedule to be signed by the Employer as receipt. F:..... V:..... T:.....		Item			
14	Clause C14 - Condemned Work The Contractor shall remove from the site all materials condemned by the Principal Agent, whether incorporated in the Works or not. He shall replace and re-execute such work in accordance with the Contract and without expense to the Employer. The Contractor shall also bear the expense (including Professional Fees) of making good all other work destroyed or damaged by such removal or replacement. F:..... V:..... T:.....		Item			
Carried to Collection					R	
Section No. 1 Preliminaries Bill No. 3 Special Preliminaries (Section C)						

Item No		Unit	Quantity	Rate	Amount	
15	Clause C15 - Labour Record The Contractor shall provide to the Principal Agent, at intervals to be agreed to by the Principal Agent, a written daily record, in schedule form, showing the number and descriptions of tradesmen and labourers currently employed on the Works, including those employed on subcontracts. F:..... V:..... T:.....		Item			
16	Clause C16 - Plant Record The Contractor shall provide to the Principal Agent, at intervals to be agreed to by the Principal Agent, a written daily record, in schedule form, showing the number, type and capacity of all plant, excluding hand tools, currently employed on the Works. F:..... V:..... T:.....		Item			
17	Clause C17 - Costs of Claims All costs incurred by the Contractor in the preparation of claims to the satisfaction of the Principal Agent and/or Quantity Surveyor shall be borne by the Contractor. F:..... V:..... T:.....		Item			
18	Clause C18 - Declaration of Insurance A declaration of insurance shall be sought by the Principal Agent from the party responsible for affecting the applicable insurance cover. F:..... V:..... T:.....		Item			
Carried to Collection					R	
Section No. 1 Preliminaries Bill No. 3 Special Preliminaries (Section C)						

Item No		Unit	Quantity	Rate	Amount	
19	Clause C19 - Insurances The Contractor warrants that he shall give all notices and shall observe all the terms and conditions and requirements of all insurances applicable to this Contract. Where the Contractor is responsible for the appointment of subcontractors then the Contractor shall: 1. Ensure that potential and appointed subcontractors are aware of the whole content of Clauses 10.0, 11.1 and 12.1. 2. Enforce the compliance of subcontractors with these Clauses where applicable. F:..... V:..... T:.....					
20	Clause C20 - Adjustment Of Attendance The amounts allowed by the Contractor against the respective attendance items will vary only in the following circumstances: 1. Where the actual subcontract amount, less any adjustments in terms of the Contract Price Adjustment Provisions, varies in excess of 15% of the Provisional Sum allowed, then the attendance amount will be varied pro-rata to the subcontract final amount less any adjustments in terms of Contract Price Adjustment Provisions. 2. Where the scope of the subcontract works increases or decreases, then the attendance amount allowed will be increased or decreased pro-rata to the cost of the variation in the scope of the subcontract works only. 3. No adjustment in the attendance amount will be made where the specification increases/decreases the subcontract amount. F:..... V:..... T:.....					
	Carried to Collection					
	Section No. 1 Preliminaries Bill No. 3 Special Preliminaries (Section C)					

Item No		Unit	Quantity	Rate	Amount	
21	Clause C21 - Overloading By The Contractor Or Subcontractor The Contractor shall take all necessary steps to ensure that no damage occurs due to overloading of any portion of the Works. The Contractor shall submit details of his proposed loading, storage, plant erection, etc., to the Principal Agents for their approval prior to proceeding with such loading, storing or erecting and shall comply with and pay for the Engineer's requirements in connection with the provision of temporary support work, etc. F:..... V:..... T:.....					
22	Clause C22 - Quality Quality inspections will be carried out timeously prior to handover to ensure quality at an earliest stage. The Contractor is to provide a designated snagging team to do remedial work. F:..... V:..... T:.....					
Carried to Collection					R	
Section No. 1 Preliminaries Bill No. 3 Special Preliminaries (Section C)						

Item No		Unit	Quantity	Rate	Amount	
23	Clause C23 - Cleaning No claims for clearing or carting away any earth, rubbish or superfluous materials, including that of any Subcontractor, shall be accepted. All such materials must be cleared regularly at the end of each shift and in addition as and when directed by the Principal Agent. All electrical wiring must be protected from dust and water. Should the Contractor fail to carry out any or all of the above the Principal Agent will arrange for such clearing and cleaning as is necessary to be carried out by others and recover the cost as debits against Certificate Payments. F:..... V:..... T:.....					
24	Clause C24 - Accommodation of traffic for construction works as designated by the principal agent. Including barriers, temporary signage, flagman, traffic management plan, temporary road markings, etc. F:..... V:..... T:.....		Item			
25	Clause C25 - 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 quotations. If prior written approval for an alternative product is not obtained, the product described shall be deemed to have been quoted for F:..... V:..... T:.....		Item			
	Carried to Collection				R	
	Section No. 1 Preliminaries Bill No. 3 Special Preliminaries (Section C)					

Item No		Unit	Quantity	Rate	Amount	
26	Clause C26 - Temporary Protection Temporary protection, as per Engineers requirements of existing, roads, fencing, entrances, water, sewer, stormwater, telephone, electrical, etc. services to be affected by the works Protection of municipal roads until construction in vicinity is complete. F:..... V:..... T:.....		Item			
27	Clause C27 - Planning of Municipal Connections Planning and managing connections into existing sewer pipelines, aerator basin, clarifiers, manholes, etc. including liaison with relevant authorities F:..... V:..... T:.....		Item			
Carried to Collection					R	
Section No. 1						
Preliminaries						
Bill No. 3						
Special Preliminaries (Section C)						

Item No		Unit	Quantity	Rate	Amount
28	Clause C28 - Dayworks Where in the opinion of the Principal Agent any extra work cannot properly be measured or valued, the Contractor will be allowed daywork prices therefore calculated upon the costs defined hereunder together with the stated percentages. The total thus arrived at shall be the total amount recoverable by the Contractor for performing such work. 1. The costs to the Contractor or sub-contractor of materials, being the net cost (at current market prices) actually paid for such materials after the deduction of cash discounts or if materials are supplied from the Contractor's or sub-contractor's stock then the cost of such materials shall be based upon the current market price plus the cost of delivery to Site; to which net cost 10% thereof shall be added. 2. The cost of labour to the Contractor or sub-contractor, being all items of direct cost of labour actually remunerated to the workmen concerned which shall include the cost of all allowances in terms of the industrial Conciliation Act (where applicable) or any other wage determination applying in the area where the daywork is executed: to which labour cost 10% shall be added. Hourly base rates for labour shall be the current market rates for labour based upon standard working hours and shall be applied in respect of the time spent by workers directly engaged on the particular day works including any operator's mechanical plant and transport and erecting and dismantling other plant. If a claim is made that individual workmen have been paid wages and allowances in excess of the minimum legalised rates, then proof must be furnished that such workmen had been so paid prior to the commencement of the daywork referred to. F:..... V:..... T:..... Carried to Collection Section No. 1 Preliminaries Bill No. 3 Special Preliminaries (Section C)				
			Item	R	

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Bill No	Section No. 1	Page No		Amount	
	Preliminaries				
	<u>SECTION SUMMARY - Preliminaries</u>				
	1 Preliminaries (Section A)				
	2 JBCC Preliminaries (Section B)				
3	Special Preliminaries (Section C)	37			
Carried to Final Summary					R
Section No. 1					
Preliminaries					

Item No		Unit	Quantity	Rate	Amount	
	<u>SECTION 2</u> <u>BILL NO. 1</u> <u>ALTERATION & REMOVAL WORKS</u> <u>SUPPLEMENTARY PREAMBLES</u> <u>REMOVAL OF EXISTING WORK</u> <u>SPECIAL PREAMBLES</u> <u>REMOVE</u> The term "remove" shall mean breaking out as required to remove the item described, disposal of all rubble and old materials, and making good all work disturbed to match existing. Remove walls or partitions shall mean breaking down complete to structure of walls, etc. and trimming up edges and disposal of rubble and all old materials from site (old materials as elsewhere described). Prices shall include for protecting adjacent surfaces against damage and repairing such damage should it occur. <u>OLD MATERIAL BECOMES THE PROPERTY OF THE CONTRACTOR</u> Old material from the alterations except where described for re-use or handing over, will become the property of the Contractor for which Credit must be allowed. <u>OLD MATERIAL MUST BE CARTED AWAY</u> Old material from the alterations except where described for re-use or handing over, as well as all debris must regularly be carted away from site and not be accumulated on site.					
	Carried to Collection					
	Section No. 2 Building Works Bill No. 1 Alterations and Removal Work					

Item No		Unit	Quantity	Rate	Amount
	<u>OLD MATERIAL MAY NOT BE RE-USED</u> No old material may be re-used for new work except where it is specifically described as set aside for re-use. <u>DISPOSAL OF DEBRIS, ETC</u> The Contractor shall be responsible for the removal from the site of all materials, debris and rubbish resulting from the alterations/demolitions. <u>GENERAL</u> <u>Damage To Persons And Property</u> All demolitions, pulling down, alterations etc., are to be carried out carefully and in the safest possible manner. The Contractor is to ascertain that all alterations are structurally practicable and safe and he will be held solely responsible for any damage to property or work adjoining the pulling down and must make good at his own expense. <u>Programming Of The Works</u> The programming of demolitions and alterations will have to be co-ordinated with the Principal Agent. <u>Care Of Utility Services</u> Special care is to be exercised not to interfere with any drains, electrical supply, data, or telephone cables and fittings to same. Notice is to be given to the Principal Agent when any disconnections, removal of wires etc. are necessary and the Contractor is to afford every facility to the workmen carrying out this work. Permission must be obtained from the Principal Agent before any services are cut off at any time.				
	Carried to Collection			R	
	Section No. 2 Building Works Bill No. 1 Alterations and Removal Work				

Item No		Unit	Quantity	Rate	Amount
	<u>Temporary Shoring Etc.</u> Prices are to include for providing, fixing and maintaining in position generally as required all temporary shoring, needling, strutting etc., necessary for the proper execution of the alterations in this Contract and for removing same. <u>Supervision</u> The demolition work is to be executed in a workmanlike, practical and safe manner under the continual supervision of a competent foremen. <u>Protection of existing structures/features etc.</u> The contractor's rates is to allow for provision for protecting all existing structures, walls, trees etc. within the vicinity of works during construction <u>Treatment of cut surfaces</u> The contractor's rates is to allow for treating all cut surfaces of timber/wooden components with approved enseal <u>REMOVAL OF EXISTING WORK</u> Prices for removal must include for cutting and breaking down into manageable sizes bearing in mind the restrictions which apply to means of disposal. Contractors, where possible, must provide a credit to the Employer for all items that may have any salvage value Tenderers are advised to study the Model Preambles for Trades before pricing this bill <u>TEMPORARY BARRIERS, SCREENS, ETC</u> <u>Temporary barriers, screens, hoarding, etc. including removal and making good upon completion</u>				
1	Hoarding 1.8m high to Principal Agents Approval	m	15		
	Carried to Collection			R	
	Section No. 2 Building Works Bill No. 1 Alterations and Removal Work				

Item No		Unit	Quantity	Rate	Amount	
	<u>CLEANING EXISTING WALLS</u>					
	<u>Cleaning down existing face brick and stone surfaces. Thoroughly clean down existing surfaces by means of high pressure water jet (minimum 250 bar) and chemicals, remove all flaking substances, fungal marks, grease and all other contaminants, etc, as described in the specification</u>					
2	Vertical and horizontal face brickwork	m2	119			
	<u>ROOF COVERING/STRUCTURE</u>					
	<u>Taking down and removing roofs, ceilings, etc</u>					
3	Roof sheeting including trusses and replace with new (New roof sheeting measured elsewhere)	m2	107			
	<u>Carefully taking down and removing fascias, bargeboards, etc.</u>					
4	Fascias and bargeboards	m	41			
	<u>WINDOWS AND DOORS</u>					
	<u>Carefully taking out and removing doors, windows etc., including thresholds, sills</u>					
5	Timber single door and steel frame not exceeding 2.5m2 from half brick wall	No	2			
6	Timber single door and steel frame not exceeding 2.5m2 from one brick wall	No	6			
	<u>Carefully taking out and removing glazing</u>					
7	Glazing including putty from steel windows including cleaning and preparation for new glass. (Existing window beads to be kept aside and reused)	m2	21			
	Carried to Collection				R	
	Section No. 2 Building Works Bill No. 1 Alterations and Removal Work					

Item No		Unit	Quantity	Rate	Amount
	<u>CEILINGS, PARTITIONS & ACCESS FLOORING</u>				
	<u>Carefully take down/out and remove ceilings including brandering (where necessary), hangers, etc.</u>				
8	Ceilings and make good any defects on existing battens/brandering (replace where removed) in preparation for new ceiling (new ceiling measured elsewhere)	m2	68		
9	Cornices	m	103		
	<u>CARPENTRY</u>				
	<u>Carefully taking down and removing joinery fittings</u>				
10	Counter tops including cupboard below approximately 900mm high	m	6		
11	Bedroom cupboards approximately 2000mm high	m	4		
	<u>IRONMONGERY</u>				
	<u>Carefully taking out and replace wall mounted sundry fittings</u>				
12	All sundry bathroom fittings, i.e. soap dispenser, towel rail, toilet roll holder, etc.	No	1		
	<u>PLASTERING</u>				
	<u>Hacking up/off and removing granolithic, screeds, plaster, etc from concrete or brickwork and preparing surfaces for new screeds, plaster, etc</u>				
13	30mm Screed from floors	m2	69		
14	Internal plaster from walls and columns	m2	41		
15	External plaster from walls and columns	m2	16		
	Carried to Collection			R	
	Section No. 2 Building Works Bill No. 1 Alterations and Removal Work				

Item No		Unit	Quantity	Rate	Amount
	TILING				
	Hacking up/off and removing ceramic tile floor and wall finishes including removing mortar bed or backing				
16	Tiles to floors	m2	61		
17	Tile skirting to brickwork approximately 150mm high	m	69		
18	Tiles to walls	m2	41		
	PLUMBING & DRAINAGE				
	Taking out and remove sanitary fittings, taps, waste fittings, etc including making safe, disconnecting piping, cutting back, sealing exposed water supply pipes and waste pipes etc. and removing piping from brickwork back to the duct				
19	All existing plumbing required to be removed for new work to take place including cutting back to stack/inlet (measured per fitting)	No	3		
20	Gutters and down pipes	m	50		
	GLAZING				
	Taking out and removing glass and mirrors				
21	Mirrors from walls	No	1		
	FITTINGS				
	Carefully taking out and removing joinery fittings etc.				
22	Curtain rails	m	11		
	Carried to Collection			R	
	Section No. 2 Building Works Bill No. 1 Alterations and Removal Work				

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Item No		Unit	Quantity	Rate	Amount	
	<u>SECTION 2</u> <u>BILL NO. 2</u> <u>SUPPLEMENTARY PREAMBLES</u> <u>General</u> All masonry units shall comply with SANS 227:2007 and SANS 1 575:2007 Brickwork shall be in accordance with SANS 0164. Minimum crushing strength of all load bearing bricks shall be 14MPa. The nominal compressive strength for face bricks shall be not less than 17MPa Class 1 Mortar mix <u>Sizes in descriptions</u> Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick. <u>Wall ties</u> Descriptions of solid walls and cavity walls shall be deemed to include metal wall ties complying with SABS 28 and of the butterfly or of the modified PWD type, of the required length with each end built at least 75mm deep into brickwork, spaced at not more than 1m centres alternatively to every third course of brickwork. Descriptions of solid walls (except if built in English bond) and cavity walls shall be deemed to include metal wall ties complying with SABS 28 and of the butterfly or of the modified PWD type, of the required length with each end built at least 75mm deep into brickwork, spaced at not more than 1m centres alternatively to every third course of brickwork.					
	Carried to Collection					
	Section No. 2 Building Works Bill No. 2 Masonry					

Item No		Unit	Quantity	Rate	Amount
	<u>Face bricks</u> Bricks shall be ordered timeously to obtain uniformity in size and colour. Excessive suction in clay bricks should be controlled by wetting the bricks before laying. Corners and other advanced work shall be raked back and not raised above the general level of the remaining masonry work by more than one metre at any one lift. Face bricks to be kept free from mortar droppings as the work continues. Reinforcing and brickforce to face brick lintels to have steel hangers to be built into brickwork above header course with R8 steel rod reinforcing for three brick courses above the lintel. All joints in the header course shall be solidly filled with mortar. <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>Strutting/shoring of brickwork</u> All cost for strutting/shoring of new brickwork while compacting under the ground floor slab shall be for the account of the contractor. <u>MASONRY</u> <u>SUPERSTRUCTURE</u> <u>Brickwork of NFP bricks in class II mortar</u>				
1	One brick wall in beam filling	m	37		
	Carried to Collection			R	
	Section No. 2 Building Works Bill No. 2 Masonry				

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Item No		Unit	Quantity	Rate	Amount	
	<u>SECTION 2</u> <u>BILL NO. 3</u> <u>WATERPROOFING</u> <u>JOINT SEALANTS ETC</u> <u>Two part polysulphide sealing compound including backing cord, bond breaker, primer, etc.</u> 1 5mm Wide x 5mm Deep in joints between tiles and sanitary fittings <u>BUDGETARY ALLOWANCES</u> <u>The following Budgetary Allowances are for work to be executed by the Sub-Contractor or specialist suppliers and priced at Bill rates or rates to be agreed and to be used as directed by the Principal Agent and to be deducted in whole or in part if not required</u> 2 Provide the sum of R7 500.00 (Seven Thousand Five Hundred) for waterproofing requirements where leaking and water issues have arised	m	3			
			Item		7 500.00	
	Carried Forward to Summary of Section No. 2 Section No. 2 Building Works Bill No. 3 Waterproofing			R		

Item No		Unit	Quantity	Rate	Amount	
	<u>SECTION 2</u> <u>BILL NO. 4</u> <u>ROOF COVERINGS</u> <u>ROOF SHEETING</u> <u>Roofing sheeting shall be Kliplok 404 (or similar/equally approved) concealed fix profile roll-formed in continuous lengths from certified steel chromadek Z200 0.58mm complying with ISQ 550 (3T) and fixed to steel / timber purlins/girts using KL65 clips (aluminium KL65 clips to be used in conjunction with aluminium sheeting) and class 3 fasteners, in strict accordance with manufacturer's specifications by an Approved Contractor. A written and approved five year guarantee of water-tightness shall be issued after approval of roofs by the manufacturer.</u>					
1	Roof covering with pitch not exceeding 25 degrees <u>Flashings shall be to the manufacturer's standards or similar approved Galvanized steel Z200 0.58mm with a patent finish to one side with a Pebble Grey backing coat and fixed to the sheeting with S10 brackets or, sliding brackets at apex where roof sheets are 30m or longer, to obviate any direct fixing perforations. Prior to flashings being fixed, all troughs at the apex shall be stop-ended to the full depth of the sheet in order to prevent any penetration of wind driven water. The trough shall be lipped at the eaves end to form a drip. Transverse flashing flanges shall be form a drip. Transverse flashing flanges shall be notched to the sheet profile where necessary</u>	m2	107			
2	Ridge Cap approximately 550mm girth 3 times bent and notched on site to suit roof profile	m	18			
3	Eve Trim (Fascia Flash) approximately 580mm girth 3 times bent to suit roof profile	m	36			
	Carried to Collection				R	
	Section No. 2					
	Building Works					
	Bill No. 4					
	Roof covering					

Item No		Unit	Quantity	Rate	Amount	
4	Gable Trim (Barge Flash) approximately 580mm girth 3 times bent to suit roof profile	m	22			
5	Serrated top end closer 700mm girth Eave and ridge fillers made from cross-linked, closed cell, expanded polyethylene to fit roof profile, fit snugly between roof sheeting/cladding and structure	m	18			
6	Moulded narrow and broad rib polyethylene filler blocks ROOF AND WALL INSULATION 100mm Isover Saint-Gobain or similar and approved factorylite non-combustible flexible glass wool insulation with metalized foil backing on underside	m	95			
7	Insulation laid taut over rafters (at approximately 500mm centres) and fixed concurrent with covering/tiling battens, purlins, etc, including taped laps	m2	107			
					R	
Carried to Collection						
Section No. 2 Building Works Bill No. 4 Roof covering						

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Item No		Unit	Quantity	Rate	Amount	
	<u>SECTION 2</u> <u>BILL NO. 5</u> <u>CARPENTRY & JOINERY</u> <u>SUPPLEMENTARY PREAMBLES</u> <u>Particle board</u> Particle board shall comply with the following specifications: a) SABS 1300 Particle board: exterior and flooring type b) SABS 1301 Particle board: interior type <u>Joinery</u> Descriptions of frames shall be deemed to include frames, transoms, mullions, rails, etc. Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes. <u>Fixing</u> Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete. <u>Cappings</u> All timber beams, columns should include for metal capping's to prevent any splitting of timber <u>Timber rafter roof truss construction comprising of Grade 6 prefabricated trusses/rafters built into brickwork at eaves</u> The following is applicable in respect of roof trusses: 1. All trusses/rafters/beams to be fabricated in a factory by Specialists approved by the Engineer.					
	Carried to Collection					
	Section No. 2 Building Works Bill No. 5 Carpentry					

Item No		Unit	Quantity	Rate	Amount	
	2. All trusses/rafters/beams shall be designed by a Registered Professional Engineer (in accordance with the draft SABS Code of Practice for the Design of Timber Structures). 3. The Manufacturer of the trusses/rafters/beams shall supply a written guarantee that the trusses are designed, manufactured and erected to support the roof covering specified. The guarantee shall be valid for a period of 10 (ten) years. 4. All ends of trusses to be shaped and sanded to receive creosote. All exposed trusses to be sawn and sanded. <u>DOORS, ETC</u> <u>Contractor to allow for undercutting of internal doors when pricing</u> <u>TDM or similar and approved Semi solid door with hardwood edges all round and masonite finish to both sides to Architects specification</u> 1 Single door, size approximately 813 x 2032mm <u>EAVES , VERGES , ETC</u> <u>Fascia and barge boards</u> 2 Fibre Cement medium density plain un-grooved fascia boards, size approximately 225 x 10mm thick, fixed to timber rafters twice screwed with 12 x 40mm countersunk brass screws with Chromaprep fascia jointing plate between boards and at board ends <u>SKIRTINGS</u> <u>Hardwood</u> 3 100 x 16mm Skirting with 5mm rounded top corner screwed and plugged	No	8			
		m	58			
		m	55			
	Carried to Collection				R	
	Section No. 2 Building Works Bill No. 5 Carpentry					

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Item No		Unit	Quantity	Rate	Amount
	<u>SECTION 2</u> <u>BILL NO. 6</u> <u>CEILINGS</u> <u>SUPPLEMENTARY PREAMBLES</u> Ceilings and support framework are to comply with Part T of the national building regulations with tiles in compliance with Surface Fire Index Test: SANS 10177 Part 3 Class 1 and SANS 428 overall classification Class B/B1/2. <u>Descriptions:</u> Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins or shot pinned to brickwork or concrete. Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres, and where described as "bolted" the bolts have been given elsewhere. <u>NAILED UP CEILINGS</u> <u>6.4mm Gypsum Gyproc Saint Gobin or similar and approved plasterboard flush jointed ceiling system fixed to timber brandering at 500mm centres in both directions. All joints are to be finished with mild steel "H" profile section</u>				
1	Ceilings fixed to existing brandering	m2	68		
	<u>Gyproc Rhinoart or equal and approved cornice</u>				
2	75 x 25mm Cornice fixed to wall	m	96		
	Carried Forward to Summary of Section No. 2			R	
	Section No. 2 Building Works Bill No. 6 Ceilings				

Item No		Unit	Quantity	Rate	Amount	
	<u>SECTION 2</u> <u>BILL NO. 7</u> <u>IRONMONGERY</u> <u>SUPPLEMENTARY PREAMBLES</u> <u>Finishes to ironmongery</u> Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list: SS Stainless Steel BS Satin bronze lacquered CH Chromium plated SC Satin chromium plated SE Silver enamelled GE Grey enamelled AS Anodised silver AB Anodised bronze AG Anodised gold ABL Anodised black PB Polished brass PL Polished and lacquered PT Epoxy coated SD Sanded Unless otherwise stated ironmongery is to be the manufacturer's standard corrosion resistant ironmongery for the particular product ranges. Installed to Architects specification Surface finishes should be restricted to polished chrome or satin chrome on all approved ironmongery for external and internal doors – unless otherwise stated. <u>LOCK SETS, HANDLES, CYLINDERS, FLUSH BOLTS ETC.</u>					
1	Union/Assa Abloy or similar and approved Sable lever door handles per pair (Code - AL65A63)	No	8			
	Carried to Collection				R	
	Section No. 2 Building Works Bill No. 7 Ironmongery					

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Item No		Unit	Quantity	Rate	Amount	
	<u>SECTION 2</u> <u>BILL NO. 8</u> <u>METALWORK</u> <u>Descriptions of bolts, anchors, etc</u> Descriptions of bolts shall be deemed to include nuts and washers Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres <u>REPAIRS TO EXISTING WINDOWS/DOORS</u> <u>Clean, service and repair all hinges, stays, handles, latch, bars etc.</u>					
1	Existing windows	No	7			
2	Existing steel gates	No	2			
	<u>SUNDRY METALWORK</u> <u>Corner Protectors</u>					
3	Standard natural anodized aluminium corner trim size approximately 655mm high to be installed at fixed to brickwork or concrete in polished satin finish to be glued with epoxy to all exposed corners of walls, doors and windows.	No	8			
4	Standard natural anodized aluminium corner trim size approximately 950mm high to be installed at fixed to brickwork or concrete in polished satin finish to be glued with epoxy to all exposed corners of walls, doors and windows.	No	2			
	Carried to Collection				R	
	Section No. 2 Building Works Bill No. 8 Metalwork					

Item No		Unit	Quantity	Rate	Amount	
5	Standard natural anodized aluminium corner trim size approximately 2062mm high to be installed at fixed to brickwork or concrete in polished satin finish to be glued with epoxy to all exposed corners of walls, doors and windows. <u>Curtain Rails</u>	No	1			
6	Natural anodised extruded single curtain rail approximately 1000mm long, suspended 2,3m above finished floor level including all necessary end stops, spacers, runners etc. and ceiling brackets fixed to ceiling	No	2			
7	Natural anodised extruded single curtain rail approximately 2000mm long, suspended 2,3m above finished floor level including all necessary end stops, spacers, runners etc. and ceiling brackets fixed to ceiling	No	5			
					R	
Carried to Collection						
Section No. 2 Building Works Bill No. 8 Metalwork						

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Item No		Unit	Quantity	Rate	Amount
	<u>SECTION 2</u> <u>BILL NO. 9</u> <u>PLASTERING</u> All floors/screeds to be laid according to SABS 0155 - 1980 Accuracy in Buildings and SABS 0155-1980. <u>SCREEDS</u> <u>Cement screed with min 25MPa strength to comply with SANS 10109. Thickness based on desired finish level and on the surface variations of the concrete sub-base ensuring the minimum specified thickness of toppings. To be finished with wood float</u> 1 Approximately 35mm thick on floors and landings <u>SELF-LEVELLING SCREED</u> <u>TAL or similar and approved self levelling cementitious screed including applying two coats 0.8mm Cretecote or similar and approved to obtain level surface to receive floor finish all in accordance with manufacturers specifications</u> 2 On concrete surfaces <u>EXTERNAL PLASTER</u> <u>15mm Thick wood floated sand/cement plaster, Class II mix. Surface to be dry, sound and clean and cured for a minimum of 14 days, with a moisture content measured with a Doser Hygrometer (or equivalent), of BD 2 scale - 8% or less all as per Architects detail, specification and approval</u> 3 On external walls	m2	61		
		m2	61		
		m2	16		
	Carried to Collection			R	
	Section No. 2 Building Works Bill No. 9 Plastering				

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Item No		Unit	Quantity	Rate	Amount
	<u>SECTION 2</u> <u>BILL NO. 10</u> <u>TILING</u> <u>Patterns</u> Unless otherwise described, tiles shall be laid with continuous joints in both directions <u>Fixing</u> Unless described as "fixed with adhesive to plaster (plaster elsewhere)" descriptions of tiling on brick or concrete walls, columns, etc shall be deemed to include 1:4 cement plaster backing and descriptions of tiling on concrete floors etc shall be deemed to include 1:3 plaster bedding Tiling described as "fixed with adhesive on power floated concrete" shall be deemed to include for approved tiling key-coat Ceramic, porcelain, marble and granite tiles are to be fixed and grouted with suitable adhesives and grouts as recommended by the manufacturer of the tiles <u>Sealant</u> Rates to include for white silicone sealant to be applied between all sanitary fittings and tile finishes <u>FLOOR TILING</u> <u>600 x 600 x 7mm Thick porcelain tiles (PC amount R225.00 / m2, excluding VAT, but including delivery), fixed to floor screed with Pro Grip tile adhesive mixed with approved bonding liquid in lieu of water, to minimum 1:50 falls with 3mm joints continuous in both directions and grouted with Pro Grip or similar and approved tile grout</u>				
1	On floors	m2	69		
	Carried to Collection Section No. 2 Building Works Bill No. 10 Tiling			R	

Item No		Unit	Quantity	Rate	Amount	
2	150mm High cut skirting tile	m	14			
	<u>WALL TILING</u>					
	<u>300 x 300 x 5mm thick Glazed ceramic wall tiles (PC amount R 250.00 / m2, excluding VAT, but including delivery) fixed to wall plaster with Pro Grip adhesive mixed with approved bonding liquid in lieu of water 3mm joints continuous in one direction and half length staggered in the other direction and grouted with approved anti bacterial & chemical resistant epoxy tile grout.</u>					
3	On walls	m2	40			
4	Narrow widths on walls	m2	3			
	<u>Sundries: Genesis or similar and approved</u>					
5	Brushed aluminium transition straight edge trim size approximately 5mm wide x thickness of tile to door thresholds as per Architects detail and specification	m	6			
6	Brushed aluminium straight edge trim size approximately 10/12mm wide x thickness of tile to exposed wall tile edges, corners, etc. as per Architects detail and specification	m	14			
Carried to Collection					R	
Section No. 2 Building Works Bill No. 10 Tiling						

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Item No		Unit	Quantity	Rate	Amount
	<u>SECTION 2</u> <u>BILL NO. 11</u> <u>PLUMBING & DRAINAGE</u> <u>SUPPLEMENTARY PREAMBLES</u> <u>Sealing of edges</u> Outer edges of sinks, basins, baths, urinals, etc are to be sealed against adjacent surfaces with approved silicone <u>ROOF GUTTERS, RAINWATER PIPES, ETC</u> <u>Aluminium powder coated seamless gutter, overall size 100 x 100 x 0,6mm thick coated internally and externally including cut and mitred angles covered with a mitre strip externally, stop ends crimped and all sealed on the inside with silicone sealer, secured to fascia with 20 x 2,5mm internal hanger brackets at 600mm centres using pop rivets, etc.</u>				
1	100 x 100 x 0,6mm Thick seamless gutter	m	36		
2	Extra over gutter for corners	No	4		
3	Extra over gutter for stop ends	No	5		
4	Extra over gutter for outlets	No	5		
	<u>100mm Diameter thick aluminium powder coated downpipe fixed to wall with straps at 1500mm centres using nail plugs, with downpipes riveted and silicone sealed to gutter outlets, including all necessary bends, elbows, shoes etc.</u>				
5	100mm Diameter thick aluminium downpipe	m	12		
6	Extra over downpipe for shoe	No	4		
7	Extra over for 300mm offset projection	No	4		
	Carried to Collection Section No. 2 Building Works Bill No. 11 Plumbing & Drainage			R	

Item No		Unit	Quantity	Rate	Amount	
	<u>SANITARY FITTINGS</u>					
8	Vaal or similar and approved Daisy close coupled vitreous china suite (Code 772403) supplied complete with 9 Litre cistern (Code 7116SC) with single front flush mechanism and all fittings required to the inlet cistern, including flushing system with lid and wooden double flap toilet seat, white in colour in accordance with manufacturers details.	No	1			
9	Vaal (Code 702803WH) or similar and approved Daisy wall hung basin supplied complete with three semi punched tapholes in standard white colour. Basin to be bolted to wall with 10mm fixing bolt set (Code 8448Z000)	No	1			
10	Franke Projectline PLN 621 polished stainless steel double end bowl inset sink, overall size approximately 1160 x 460mm with two 140mm deep bowls, including 38mm waste fittings, with Marley or similar and approved double drain black rubber deap seal P-trap with a T-Junction and elbow, neatly penetrated through any shelving and concealed below counter, to be installed completer onto counter top as specified by Architects detail and specification	No	1			
11	Bath tub (PC amount R 5500.00 / bath, excluding VAT, but including delivery) fitted complete including all necessary building work	No	1			
	<u>TAPS, VALVES, ETC</u>					
12	Cobra Watertech (Code 294CA) or similar and approved Carina one tap hole basin mixer with aerated outlet with inlets for flexible tubing in chrome finish	No	1			
13	110mm Pan connector	No	1			
14	Cobra Watertech or similar and approved bottle trap in chrome finish	No	1			
15	Cobra Watertech (FSK2W2SR-0GT01) or similar and approved wall mounted Star sink mixer with aerated swivel outlet and inlets for flexible tubing in chrome finish	No	1			
	Carried to Collection				R	
	Section No. 2 Building Works Bill No. 11 Plumbing & Drainage					

[illegible]

Item No		Unit	Quantity	Rate	Amount
	<u>PLUMBING</u> <u>Sanitary plumbing & water supply (measured per point)</u> <u>Provide all necessary in class II copper piping, branches, pipe fittings, valves as required for cold water supply from main water supply point at perimeter of building to the following sanitary fittings, complete</u> <u>Provide all necessary in class II copper piping, brances, pipe fittings, valve all insulated with an R-value of "1" and as required for hot water supply from central geyser/hot water supply to the following sanitary fittings, complete</u> <u>Provide 50/75mm PVC waste piping to the following sanitary fittings to be discharged into 110mm HDPE sub surface soil piping on the same level (elsewhere) or current stack system where shown, including any necessary fittings, trenches complete</u>				
21	Water closet (cold water and waste)	No	1		
22	Wash hand basin (hot & cold water and waste)	No	1		
23	Sink (hot and cold water and waste)	No	1		
24	Bathtub (hot and cold water and waste)	No	1		
25	Geyser/Hot water supply	No	1		
Carried to Collection					R
Section No. 2 Building Works Bill No. 11 Plumbing & Drainage					

Item No		Unit	Quantity	Rate	Amount	
	<u>ELECTRIC WATER HEATERS</u>					
26	Kwikot 150 Litre Slimline 600i Dual electric water heater (Code: ESG-150-D2-I) complying with SABS 151-2002, overall size 1360 x 480mm high fitted with isolator switch, operating at 600kPa with temperature and pressure safety relief valve including 20mm female draincock with inlet compression. Geyser to be installed horizontally in roof space with 1160 x 560mm wide polyethylene drip tray with union and back nut connected to 20mm PVC overflow pipe taken out at eaves (Code: GSTP-1200) and 22mm pipe work including two 22mm vacuum breakers (Code: KHN4.200CX) installed on hot and cold water supply. Installation to include a 22mm 600kPa Kwikot Multi control and expansion relief valve (Code: KHN3-216), all in accordance with SANS 10254, connected to single phase electrical power supply.	No	1			
	<u>TESTING</u>					
27	Testing water pipe system (per building)	No	1			
	<u>BUDGETARY ALLOWANCES</u>					
	<u>The following Budgetary Allowances are for work to be executed by the Main Contractor or specialist suppliers and priced at Bill rates or rates to be agreed.</u>					
28	Provide the Sum of R10 000.00 (Ten Thousand) for additional general work still to be designed and will/may be carried out by the contractor		Item		10 000.00	
	Carried to Collection					
	Section No. 2 Building Works Bill No. 11 Plumbing & Drainage					

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Item No		Unit	Quantity	Rate	Amount	
	<u>SECTION 2</u> <u>BILL NO. 12</u> <u>GLAZING</u> All glazing to be in accordance with SANS 10 400 Part N <u>MIRRORS</u> Unless otherwise described, mirrors shall have four holes for and be screwed to and including approved patent plugs in plastered or tiled wall with countersunk steel screws tap-threaded for and including screw type chromium plated dome-headed caps and felt washers <u>Mirrors of 6mm thick silvered GG quality polished float glass with stainless steel frame mounted to brickwork through tiling</u> 1 Mirror 450 x 600mm High fixed to wall with 4 x chrome plated capped mirror screws <u>REPLACE WINDOW GLAZING</u> <u>Replacing of window panels</u> 2 4mm thick Pacific Obscure glass puttied with window putty to Architects approval					
		No	1			
		m2	21			
	Carried Forward to Summary of Section No. 2 Section No. 2 Building Works Bill No. 12 Glazing			R		

Item No		Unit	Quantity	Rate	Amount	
	<u>SECTION 2</u> <u>BILL NO. 13</u> <u>PAINTWORK</u> <u>SUPPLEMENTARY PREAMBLES</u> All surfaces to be thoroughly prepared according to manufacturers' specifications. The quality of all preparation work and individual coats shall be to the satisfaction of the Architect (or his appointed representative) before any successive paintwork is undertaken. All paint to new and existing surfaces are to be painted with Plascon, Dulux or similar approved (by Architect) <u>Plastered surfaces, etc.</u> Plastered surfaces shall be thoroughly inspected and, if necessary, washed down and brushed in order to remove any traces of efflorescence and allowed to dry completely before any paint finish is applied. Before any paint is applied, holes, cracks and irregularities in plaster and other surfaces shall be filled with a suitable filler and finished smooth. Unfinished concrete surfaces shall have all projections rubbed off and shall be thoroughly cleaned with a spirits-of-salts solution (1 part concentrated spirits-of-salts to 4 parts water). <u>Previously painted plastered surfaces</u> Surfaces shall be thoroughly washed down and allowed to dry completely before any paint is applied. Blistered or peeling paint shall be completely removed and cracks shall be opened, filled with a suitable filler and finished smooth					
	Carried to Collection					
	Section No. 2 Building Works Bill No. 13 Paintwork					

Item No		Unit	Quantity	Rate	Amount	
	<u>Previously painted plasterboard surfaces</u> Surfaces shall be thoroughly cleaned before any paint is applied. Blistered or peeling paint shall be completely removed and cracks shall be opened, filled with a suitable filler and finished smooth. Steel H-strips and nails to be reprimed with calcium plumbate primer. <u>Previously painted metal surfaces</u> Surfaces shall be thoroughly rubbed and cleaned down. Blistered or peeling paint shall be completely removed down to bare metal. <u>Previously painted wood surfaces</u> Surfaces shall be thoroughly cleaned down. Blistered or peeling paint shall be completely removed and cracks and crevices shall be primed, filled with suitable filler and finished smooth. Existing wood surfaces to be stripped, neutralised, sanded and treated. <u>PAINTWORK ETC TO PREVIOUSLY PAINTED/NEW WORK</u> <u>ON SKIMMED PLASTER</u> <u>Prepare, apply one coat suitable plaster primer to entire surface, one coat Plascon acrylic polvin paint and finish with two coats of Plascon super acrylic polvin Matt paint in compliance with SANS specifications</u>					
1	On previously painted internal plastered walls <u>ON FLOATED PLASTER</u> <u>Prepare, apply one coat suitable plaster primer to entire surface, one coat Plascon acrylic polvin paint and finish with two coats of Plascon super acrylic polvin Matt paint in compliance with SANS specifications</u>	m2	263			
2	Walls	m2	16			
	Carried to Collection				R	
	Section No. 2 Building Works Bill No. 13 Paintwork					

Item No		Unit	Quantity	Rate	Amount	
	<u>ON WOOD</u>					
	<u>Prepare one coat Plascon or similar and approved wood primer, Pink undercoat, one coat merit universal undercoat, White undercoat, and two coats Plascon gloss enamel paint</u>					
3	On timber doors	m2	26			
4	On previously painted timber doors	m2	26			
	<u>Prepare one coat Plascon or similar and approved wood primer, Pink undercoat, one coat merit universal undercoat, White undercoat, and two coats Plascon gloss enamel paint</u>					
5	Skirtings not exceeding 300mm girth	m	55			
	<u>Prepare one coat Plascon or similar and approved acrylic polvin filler coat paint and two coats Plascon or similar and approved super acrylic polvin paint</u>					
6	On cornices not exceeding 300mm girth	m	96			
	<u>Prepare, two coats gloss enamel paint</u>					
7	Fascias and barge boards not exceeding 300mm girth	m	58			
	<u>Prepare, one coat pretreatment, one coat woodcare pre-treatment, one coat timber primer and finished with two coats gloss enamel paint</u>					
8	On exposed timber trusses measured net	m2	107			
	<u>ON PLASTERBOARD</u>					
	<u>Prepare, apply one coat approved Plascon plaster Primer, one coat Plascon acrylic polvin paint and two coats Plascon super acrylic polvin paint</u>					
9	On internal plasterboard and fibre cement ceilings	m2	68			
	Carried to Collection			R		
	Section No. 2 Building Works Bill No. 13 Paintwork					

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Bill No	Section No. 2				
	Building Works				
	SECTION SUMMARY - Building Works				
	1 Alterations and Removal Work	46			
	2 Masonry	49			
	3 Waterproofing	50			
	4 Roof covering	53			
	5 Carpentry	56			
	6 Ceilings	57			
	7 Ironmongery	61			
	8 Metalwork	64			
	9 Plastering	67			
	10 Tiling	70			
	11 Plumbing & Drainage	76			
12 Glazing	77				
13 Paintwork	82				

Item No		Unit	Quantity	Rate	Amount	
	<u>SECTION 3</u> <u>BILL NO. 1</u> <u>PROVISIONAL SUMS</u> The following Provisional Sums are all NET amounts and are for work to be executed complete by Nominated/Selected Sub-Contractors or by the Contractor himself. Provisional Sums may be omitted or reduced at the Employers's sole discretion and the contractor shall not be entitled to claim for any loss by way of reductions or omissions of any discount, or percentage relating to Provisional Sums or P.C. amounts or any loss of profit related thereto. The Employer shall also have the right to send onto the works and install any furniture, finishings or fitments, machinery, equipment, etc., and to supply and execute any other special works not contained in this contract during this contract, and the Contractor shall not be entitled to any percentage or discount thereon. The Profit and Attendance on the following items will only be paid to the Contractor should a Nominated/Selected Sub-contractor conduct the work. If the allowance is directed for work to be done by the Contractor the Attendance amounts will not be paid to the Contractor. Refer to Clause C20 for the Adjustment of Attendance. N.B. Any builder's work that the Contractor may be called upon to do so in connection with any such special works or services will be measured and valued at schedule rates as executed.					
	Carried to Collection					
	Section No. 3 Provisional Sums Bill No. 1 Provisional Sums					

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SCHEDULE OF QUANTITIES

SANBI: THOHOYANDOU

Tuesday, 04 July 2023

PRELIMINARY AND GENERAL

				CURATOR HOUSE					
ITEM NO		ITEM DESCRIPTION	UNIT	QTY	MATERIAL		LABOUR		TOTAL
					RATE	TOTAL	RATE	TOTAL	
1,1		Compliance with the Conditions of Contract, including cost of insurance, sureties, guarantee, attending all inspections and site meetings and services for which no specific items are listed in the <i>Schedule of Quantities and Prices</i> .	Sum	100%					R -
1,2		SITE ESTABLISHMENT							
		Provision of site offices stores, workshops, ablutions and latrines, water, electricity and telephone connections, removal of all facilities upon completion, etc.	Sum	100%					R -
1,3		GUARANTEE							
		Guarantee period of 12 months against defects in material, equipment and workmanship, but excluding abuse, wear and tear and normal maintenance.	Sum	100%					R -
1,4		COMMISSIONING AND TESTING							
		Supply all test equipment and labour for testing, commissioning and adjustments of the final installation as well as being in attendance for any inspections and tests that the Engineer may call for.	Sum	100%					R -
1,5		PROVISIONAL AMOUNTS							
	a.	Electrical work for walkway lights	Sum	100%					R 5 000,00
	b.		Sum	100%					R -
1,6		ADDITIONAL ITEMS							
		Any additional item(s) that the Tenderer may wish to detail and price to complete the installation.							

SCHEDULE OF QUANTITIES

SANBI: THOHOYANDOU

	a.								
	b.								
	c.								
	e.								
SUB-TOTAL FOR PRELIMINARY & GENERAL: To be carried over to SUMMARY PAGE								R	-

SCHEDULE OF QUANTITIES

SANBI: THOHOYANDOU

SANBI: THOHOYANDOU - EXTERNAL ELECTRICAL RETICULATION

SCHEDULE 1 – LOW VOLTAGE DISTRIBUTION

SCHEDULE 1 – LOW VOLTAGE DISTRIBUTION					CURATOR HOUSE						
Item No	Item Description	Unit	Qty	MATERIAL		LABOUR		TOTAL	PRICE		
				Rate	Total	Rate	Total				
1.1	LOW VOLTAGE CABLES										
1.1.1	Supply and install PVC insulated PVC bedded SWA PVC sheathed 600/1000 V cables manufactured to SANS 1507-3 including BCEW strapped to cable.										
	d 16mm² Cu x 3 core cable (From new Guesthouse/ sub-distribution kiosk to new ablution distribution board)	m	100	R	-	R	-	R	-		
1.1.2	Supply and install termination kits PVC insulated PVC bedded SWA PVC sheathed 600/1000 V cables, including glands, shrouds, lugs and bi-metal lugs for Al cables.										
	a 16mm² Cu x 3 core cable (No.2 gland)	No	2	R	-	R	-	R	-		
1.2	CABLE ROUTE MARKER TAPE										
1.2.1	Supply and install cable route marker tape	m	100	R	-	R	-	R	-		
1.3	EXCAVATIONS & ROAD CROSSINGS										
1.3.1	Excavate and back fill cable trench, including bedding material sifted on site from excavated material.(0,5m wide x 0,6m deep). Reinstate paving and ground to original condition.	m³	30			R	-	R	-		
SUB-TOTAL FOR SCHEDULE 1: To be carried over to EXTERNAL ELECTRICAL RETICULATION SUMMARY PAGE									R	-	

SCHEDULE 2 – EXTERNAL ELECTRICAL RETICULATION SUMMATION OF SCHEDULES

S	e	d	Description
1			SCHEDULE 1 – LOW VOLTAGE DISTRIBUTION
SUB-TOTAL (excluding V.A.T): To be carried over to SUMMARY PAGE			

CURATOR HOUSE	
Page	Total Summary
2	R -
	R -

SCHEDULE OF QUANTITIES

SANBI: THOHAYANDOU

SANBI: THOHAYANDOU - NEW PROPOSED ALTERATIONS TO CURATOR'S HOUSE

SCHEDULE 1 – LOW VOLTAGE DISTRIBUTION				CURATOR HOUSE					
Item No	Item Description	Unit	Qty	MATERIAL		LABOUR		TOTAL	PRICE
				Rate	Total	Rate	Total		
1,1	EXISTING ELECTRICAL INSTALLATION								
1.1.1	Disconnect and remove existing luminaires and store in designated space provided on site. Inspect and test socket outlets and geyser isolator installation. (Existing installation consist of 6 luminaires)	Sum						R	-
1,2	DISTRIBUTION BOARD								
a	Provisional sum for distribution board refurbishment.	Sum						R	-
SUB-TOTAL FOR SCHEDULE 1: To be carried over to NEW PROPOSED ALTERATIONS TO CURATOR'S HOUSE								R	-

SCHEDULE 2 – SMALL POWER & LUMINAIRE INSTALLATION				CURATOR HOUSE					
Item No	Item Description	Unit	Qty	MATERIAL		LABOUR		TOTAL	PRICE
				Rate	Total	Rate	Total		
2,1	GEYSER SUPPLY								
2.1.1	Supply and install <i>Crabtree Classic Range</i> or similar 30A double pole isolator switch in surface mounted 4 x 4 box next to geyser including yoke and cover plate with 2 x 4mm ² PVC insulated conductors and 4mm ² PVC insulated earth wire. Supply length of 10m to geyser. (Colour of switch: White)	No	1	R	-	R	-	R	-
2,1	STOVE SUPPLY								
2.1.1	Supply and install <i>Crabtree Classic Range</i> or similar 30A double pole isolator switch in surface mounted 4 x 4 box next to stove including yoke and cover plate with 2 x 4mm ² PVC insulated conductors and 4mm ² PVC insulated earth wire. Supply length of 10m to geyser. (Colour of switch: White)	No	1	R	-	R	-	R	-
2,1	CEILING FAN								

SCHEDULE OF QUANTITIES

SANBI: THOHOYANDOU

2.1.1		Supply and install 3-blade pressed steel industrial ceiling fan and control unit, with a min. diameter of 1420 mm & min. motor size of 60 W with 2.5mm² PVC insulated conductors and 2.5mm² PVC insulated earth wire. Avg supply length of 3m	No	2	R	-	R	-	R	-	R	-
2,2		SOCKET OUTLET										
2.2.2		Supply and install CBi 16A + Euro + 2 x USB outlet or similar inside 4 x 4 wall box including yoke and cover plate with 2.5mm² PVC insulated conductors and 2.5mm² PVC insulated earth wire. Supply length of 10m to each socket outlet. (Colour of switch: White)	No	7	R	-	R	-	R	-	R	-
2,3		INTERNAL LUMINAIRES										
2.3.1		Supply and install the following luminaires with 2.5mm² PVC insulated conductors and 2.5mm² PVC insulated earth wire. Avg supply length of 8m										
	a	Lascon Reel D/L10W - 4000K non-dim IP44 rated or similar.	No	21	R	-	R	-	R	-	R	-
2,4		EXTERNAL LUMINAIRES										
2.4.1		Supply and install the following with 2.5mm² PVC insulated conductors and 2.5mm² PVC insulated earth wire. Avg supply length of 15m										
	a	BEKA SERIES 30 BLACK NW 17W or similar.	No	2	R	-	R	-	R	-	R	-
	b	Floodlight with rotary switch 100W or similar.	No	1	R	-	R	-	R	-	R	-

SCHEDULE OF QUANTITIES

SANBI: THOHOYANDOU

2,5	LUMINAIRES SWITCHING								
2.5.1	Supply and install <i>Crabtree Classic Range</i> one lever two way 20A light switch in flush mounted 2 x 4 box, 1200mm from AFFL, including yoke and cover plate with 2 x 2.5mm ² PVC insulated conductors and 2.5mm ² PVC insulated earth wire. Supply length of 10m to each light switch	No	6	R	-	R	-	R	-
2.5.2	Supply and install <i>Crabtree Classic Range</i> one lever one way 20A light switch in flush mounted 2 x 4 box, 1200mm from AFFL, including yoke and cover plate with 2 x 2.5mm ² PVC insulated conductors and 2.5mm ² PVC insulated earth wire. Supply length of 10m to each light switch.	No	4	R	-	R	-	R	-
2.5.3	Supply and install <i>Day/Night sensor</i>	No	1	R	-	R	-	R	-
2,6	TESTING								
2.6.1	Testing and commissioning of installation and issue of COC	No	1					R	-
SUB-TOTAL FOR SCHEDULE 2: To be carried over to NEW PROPOSED ALTERATIONS TO CURATOR'S HOUSE								R	-

SCHEDULE 3 – CABLE CONDUIT				CURATOR HOUSE					
Item No	Item Description	Unit	Qty	MATERIAL		LABOUR		TOTAL	PRICE
				Rate	Total	Rate	Total		
3,1	ELECTRICAL CONDUIT								
3.1.1	Supply and install Ø25mm PVC conduit, including all couplings, loop/inspection boxes, plugs, fixing saddles and screws, cutting bending, fixing, cleaning for wiring purposes cast in concrete, in brickwork or on surface. To Include all chasing into brickwork and making good of the Walls.	m	40	R	-	R	-	R	-
SUB-TOTAL FOR SCHEDULE 3: To be carried over to NEW PROPOSED ALTERATIONS TO CURATOR'S HOUSE								R	-

SCHEDULE 4 – THOHOYANDOU CURATORS HOUSE SUMMATION OF SCHEDULES

№	ε	δ	Description

CURATOR HOUSE

Page	Total Summary

SCHEDULE OF QUANTITIES

SANBI: THOHOYANDOU

1	SCHEDULE 1 – LOW VOLTAGE DISTRIBUTION
2	SCHEDULE 2 – SMALL POWER & LUMINAIRE INSTALLATION
3	SCHEDULE 3 – CABLE CONDUIT
SUB-TOTAL	
SUB - TOTAL (excluding V.A.T): To be carried over to SUMMARY PAGE	

3	R	-
3-4	R	-
4	R	-
	R	-
	R	-

SCHEDULE OF QUANTITIES

SANBI: THOHOYANDOU

SUMMATION OF SCHEDULES

№	Description
1	PRELIMINARY AND GENERAL
2	SANBI: THOHOYANDOU - EXTERNAL ELECTRICAL RETICULATION
3	SANBI: THOHOYANDOU - NEW PROPOSED ALTERATIONS TO CURATOR'S HOUSE
SUB-TOTAL (excluding V.A.T)	
V.A.T (15%)	
TOTAL (including V.A.T)	

CURATOR HOUSE	
Page	Total Summary
1	R -
2	R -
3-4	
	R -
	R -
	R -

Section No		Page No	Amount
1	Preliminaries	38	
2	Building Works	83	
3	Provisional Sums	86	
SUB- TOTAL			
Services (Electrical) Amount brought forward from electrical BOQ		94	
Contingency			30 000 -
SUB- TOTAL EXCLUDING VAT			
ADD: VALUE ADDED TAX @15%			
Total including VAT carried to form of offer and acceptance			