

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO. 1</u></p> <p><u>BILL NO 1</u></p> <p><u>PRELIMINARIES AND GENERAL</u></p> <p><u>AGREEMENT AND SCHEDULE OF CONDITIONS OF BUILDING CONTRACT</u></p> <p><u>BUILDING AGREEMENT AND PRELIMINARIES</u></p> <p><u>NB: This BOQ should not be used for procuring of materials, it should be noted that the Construction drawings and the specification document as issued by the Architect take precedence over this BOQ</u></p> <p>i) The Agreement is to be the JBCC Series 2000 Works Agreement: Contract Data prepared by the Joint Building Contracts Committee, May 2018 Edition 6.2</p> <p>ii) If Alternative A as set out in clause 10.3 hereinafter is to be used for the adjustment of the preliminaries each item priced is to be allocated to one or more of the three categories by insertion of "F", "V" or "T" as the case may be against the price in the "rate" column immediately preceding the "amount" column, where "F" denotes a fixed amount (amount not to be varied), "V" denotes an amount variable in proportion to value and "T" denotes an amount in proportion to time</p> <p>iii) Clauses stated under a clause heading, shall be read in conjunction with the existing JBCC Series 2000 Works Agreement, May 2018 Edition and the JBCC Series 2000 Preliminaries, May 2018 Edition 6.2.</p> <p><u>User note</u></p> <p><i>A provision/clause in Edition 6.2 of the JBCC Principal Building Agreement may have unintended consequences. The following is relevant:</i></p>			
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Within the contract data document there is space to insert changes made to the JBCC documentation. Quantity surveyors have generally up to now merely inserted in this space "Refer to Bill No. 1"

"Note :

The amendments contained herein or in the single referenced Annexure constitute the only amendments to the standard JBCC Agreement that will apply. No other amendments shall be of any force or effect"

*"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** such amendments, modifications, corrections or supplements as will apply are given under each relevant clause heading in Bill No 1 (Preliminaries) 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"*

Not doing as suggested above when adhering to the system generally used by quantity surveyors up to now may result in any amendments within Bill No. 1 (Preliminaries) being considered null and void, which could then lead to major claims

PREAMBLES FOR TRADES

Carried Forward

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Section No. 1
Bill No. 1
Preliminaries and General

By Botsang and Associates Consulting (PTY) Ltd

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<p><u>User note</u></p> <p><i>The Model Preambles for Trades 2018 published by the Association of South African Quantity Surveyors is designed to support and extend the abbreviated descriptions utilised in these bills of quantities by inter alia referring to SANS construction standards. Where such model preambles are not applicable (eg where BS or Euro construction standards are applicable or the design consultants provide other preambles/specifications for insertion), users are to ensure that the abbreviated descriptions when read in conjunction with the Standard System of Measuring Building Work (seventh edition) for works within South Africa or the Standard Method of Measuring Building Work for Africa 2018 (second edition) for works elsewhere in Africa, represent the full description by extending the abbreviated bills of quantities descriptions and/or by inserting appropriate preambles or specifications</i></p> <p><i>Note that the text of the Standard System of Measuring Building Work (eighth edition) and that of the Standard Method of Measuring Building Work for Africa 2018 (second edition) is the same</i></p> <p>The Model Preambles for Trades 2018 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>	
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STRUCTURE OF THIS PRELIMINARIES BILL

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

Section B : A recital of the headings of the individual clauses of the aforementioned Preliminaries document

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

PRICING OF PRELIMINARIES

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

SECTION A: PRINCIPAL BUILDING AGREEMENT

Interpretation (A1-A7)

1 Clause 1.0 - Definitions and interpretation

Definition of agreement

The definition of **agreement** is replaced with the following definition :

"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**"

Pricing of bills of quantities

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Section No. 1
Bill No. 1
Preliminaries and General

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Brought Forward		R	
<p>The contractor is to allow opposite each item for all costs in connection therewith. All prices to include, unless otherwise stated, for all materials, fabrication, conveyance and delivery, unloading, storing, unpacking, hoisting, labour, setting, fitting and fixing in position, cutting and waste (except where to be measured in accordance with the standard system of measurement), patterns, models and templates, plant, temporary works, returning of packaging, duties, taxes (other than Value Added Tax), imposts, establishment charges, overheads, profit and all other obligations arising out of this agreement. Value Added Tax (VAT) is to be separately stated on the summary page of these bills of quantities</p> <p>Items left unpriced will be deemed to be covered in prices against other items throughout these bills of quantities and no claim for any extras arising out of the contractor's omission to price any item will be entertained</p> <p>Prices for all construction equipment, temporary works, services and other items shall include for the supply, maintenance, operating cost and subsequent removal and making good as necessary</p> <p>Abbreviated descriptions</p> <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>			
<p align="center">Carried Forward</p> <p>Section No. 1 Bill No. 1 Preliminaries and General</p> <p>By Botsang and Associates Consulting (PTY) Ltd</p>		R	

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<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 			
Errata by JBCC			
<p>Omit from definition of construction period the words : "excluding annual holiday periods"</p> <p>Omit from definition of preliminaries the word : "priced"</p>			
<u>User note</u>			
<p><i>Between the contractor and the employer there shall be and agreement from one person responsible for the enrolment of the following residential developments below:</i></p>			
NHBRC levies			
<p>The employer shall allow for and pay any levies required by the National Home Builders Registration Council (NHBRC). The contractor warrants that he is registered and will maintain registration with the NHBRC for the duration of this agreement [2.1]</p>			
NHBRC levies			
<p>The contractor shall allow for and pay any levies required by the National Home Builders Registration Council (NHBRC). The contractor warrants that he is registered and will maintain registration with the NHBRC for the duration of this agreement [2.1]</p>			
F:..... V:..... T:.....	Item		
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Brought Forward		R
2	<p>Clause 3.0 - Offer and acceptance</p> <p>F:..... V:..... T:.....</p>	Item
3	<p>Clause 4.0 - Assignment and cession</p> <p>F:..... V:..... T:.....</p>	Item
4	<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><u>User note</u></p> <p><i>The contract drawings are to be listed in the contract data. If insufficient space is available for such listing or for any other reason then reference should be made in the contract data as to where the contract drawings are listed. One of the following clauses may be used</i></p> <p><i>Insert the following where only a few contract drawings are applicable</i></p> <p>Contract drawings</p> <p>The contract drawings are as listed on the contents page of the bills of quantities [5.1] - TBA</p> <p><i>Insert the following where numerous contract drawings are applicable</i></p> <p>Contract drawings</p> <p>Refer to Annexure TBA for a list of the contract drawings [5.1]</p> <p>Priced document as specification</p> <p>Clause 5.3 is deemed to be deleted</p>	
Carried Forward		R
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	<p style="text-align: center;">Brought Forward</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><u>User note</u></p> <p><i>Insert the following where applicable</i></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> <p>5 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> <p><u>User note</u></p> <p><i>Add delegated authority as may be required for other relevant consultants not listed hereinafter</i></p> <p>0. Project Manager/Principal Agent</p> <p>0.1 Duties :</p> <p>The project manager/principal agent is responsible for the project management, coordination and for the smooth running of the project from start to completion /hand over of the project to the user client</p> <p style="text-align: center;">Carried Forward</p> <p>Section No. 1 Bill No. 1 Preliminaries and General</p> <p>By Botsang and Associates Consulting (PTY) Ltd</p>	Item	R	
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<p style="text-align: center;">Brought Forward</p> <p>1. <u>Architect</u></p> <p><u>User note</u></p> <p><i>Note that the contract instructions hereinafter are those listed in clause 17.0 of the JBCC PBA</i></p> <p>1.1 Duties :</p> <p>The architect is responsible for the architectural design, functional design and quality inspection of the works</p> <p>1.2 Contract instructions [17.0] :</p> <p>1.2.1 Rectification of discrepancies, errors in descriptions or omissions in contract documents other than this agreement</p> <p>1.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works</p> <p>1.2.3 The site [13.2.4]</p> <p>1.2.4 Compliance with the law, regulations and by laws [2.1]</p> <p>1.2.5 Provision and testing of samples of materials and goods, of finishes and assemblies of elements of the works</p> <p>1.2.6 Opening up of work for inspection, removal or re-execution</p> <p>1.2.7 Removal or re-execution of work</p> <p>1.2.8 Removal or substitution of any materials and goods</p> <p>1.2.9 Protection of the works</p> <p>1.2.10 Making good physical loss and repairing damage to the works [8.0]</p>		R	
<p style="text-align: center;">Carried Forward</p> <p>Section No. 1 Bill No. 1 Preliminaries and General</p> <p>By Botsang and Associates Consulting (PTY) Ltd</p>		R	

Brought Forward	R
1.2.11 Rectification of defects [21.2]	
1.2.12 A list for practical completion specifying outstanding or defective work to be rectified to achieve practical completion and a list for completion and a list for final completion specifying outstanding or defective work to be rectified to achieve final completion	
1.2.13 Expenditure of budgetary allowances, prime cost amounts and provisional sums	
1.2.14 Appointment of a subcontractor [14.0; 15.0]	
1.2.15 Termination of a nominated n/s subcontract agreement [27.2.8]	
1.2.16 Work by (a) direct contractor(s) [16.0]	
1.2.17 Access by other or previous contractors to remedy defective work	
1.2.18 Removal from the site of any person employed on the works	
1.2.19 Removal from the site of any person not engaged on or connected with the works	
1.2.20 On termination, protection of the works , removal of construction equipment and surplus materials and goods [29.0]	
2. <u>Quantity surveyor</u>	
<u>User note</u>	
<i>Insert the following but remove where the consultant is not relevant to this agreement. Edit both the duties and the contract instructions of the consultant in keeping with the wishes of the principal agent</i>	
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2.1 Duties :				
The quantity surveyor is responsible for all measurements, valuations, financial assessments and all other quantity surveying and cost control functions of the works				
2.2 Contract instructions [17.0] :				
2.2.1 Rectification of discrepancies, errors in descriptions or omissions in contract documents other than this agreement				
2.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works				
2.2.3 The site [13.2.4]				
2.2.4 Compliance with the law , regulations and by laws [2.1]				
2.2.5 Provision and testing of samples of materials and goods , of finishes and assemblies of elements of the works				
2.2.6 Opening up of work for inspection, removal or re-execution				
2.2.7 Removal or re-execution of work				
2.2.8 Removal or substitution of any materials and goods				
2.2.9 Protection of the works				
2.2.10 Making good physical loss and repairing damage to the works [8.0]				
2.2.11 Rectification of defects [21.2]				
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Brought Forward	R
2.2.12 A list for practical completion specifying outstanding or defective work to be rectified to achieve practical completion and a list for completion and a list for final completion specifying outstanding or defective work to be rectified to achieve final completion	
2.2.13 Expenditure of budgetary allowances, prime cost amounts and provisional sums	
2.2.14 Appointment of a subcontractor [14.0; 15.0]	
2.2.15 Termination of a nominated n/s subcontract agreement [27.2.8]	
2.2.16 Work by (a) direct contractor(s) [16.0]	
2.2.17 Access by other or previous contractors to remedy defective work	
2.2.18 Removal from the site of any person employed on the works	
2.2.19 Removal from the site of any person not engaged on or connected with the works	
2.2.20 On termination, protection of the works , removal of construction equipment and surplus materials and goods [29.0]	
3. <u>Civil and structural engineer</u>	
<u>User note</u>	
<i>Note that the contract instructions hereinafter are those listed in clause 17.0 of the JBCC PBA</i>	
3.1 Duties :	
The civil and structural engineer is responsible for all aspects of civil and structural engineering design and quality inspection of the works	
3.2 Contract instructions [17.0] :	
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Section No. 1 Bill No. 1 Preliminaries and General	
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Brought Forward	R
3.2.1 Rectification of discrepancies, errors in descriptions or omissions in contract documents other than this agreement	
3.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works	
3.2.3 The site [13.2.4]	
3.2.4 Compliance with the law , regulations and by laws [2.1]	
3.2.5 Provision and testing of samples of materials and goods , of finishes and assemblies of elements of the works	
3.2.6 Opening up of work for inspection, removal or re-execution	
3.2.7 Removal or re-execution of work	
3.2.8 Removal or substitution of any materials and goods	
3.2.9 Protection of the works	
3.2.10 Making good physical loss and repairing damage to the works [8.0]	
3.2.11 Rectification of defects [21.2]	
3.2.12 A list for practical completion specifying outstanding or defective work to be rectified to achieve practical completion and a list for completion and a list for final completion specifying outstanding or defective work to be rectified to achieve final completion	
3.2.13 Expenditure of budgetary allowances, prime cost amounts and provisional sums	
3.2.14 Appointment of a subcontractor [14.0; 15.0]	
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Brought Forward	R
3.2.15 Termination of a nominated n/s subcontract agreement [27.2.8]	
3.2.16 Work by (a) direct contractor(s) [16.0]	
3.2.17 Access by other or previous contractors to remedy defective work	
3.2.18 Removal from the site of any person employed on the works	
3.2.19 Removal from the site of any person not engaged on or connected with the works	
3.2.20 On termination, protection of the works , removal of construction equipment and surplus materials and goods [29.0]	
4. <u>Mechanical engineer</u>	
<u>User note</u>	
<i>Note that the contract instructions hereinafter are those listed in clause 17.0 of the JBCC PBA</i>	
4.1 Duties :	
The mechanical engineer is responsible for all aspects of mechanical engineering design and quality inspection of the works	
4.2 Contract instructions [17.0] :	
4.2.1 Rectification of discrepancies, errors in descriptions or omissions in contract documents other than this agreement	
4.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works	
4.2.3 The site [13.2.4]	
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Brought Forward	R
4.2.4 Compliance with the law , regulations and by laws [2.1]	
4.2.5 Provision and testing of samples of materials and goods , of finishes and assemblies of elements of the works	
4.2.6 Opening up of work for inspection, removal or re-execution	
4.2.7 Removal or re-execution of work	
4.2.8 Removal or substitution of any materials and goods	
4.2.9 Protection of the works	
4.2.10 Making good physical loss and repairing damage to the works [8.0]	
4.2.11 Rectification of defects [21.2]	
4.2.12 A list for practical completion specifying outstanding or defective work to be rectified to achieve practical completion and a list for completion and a list for final completion specifying outstanding or defective work to be rectified to achieve final completion	
4.2.13 Expenditure of budgetary allowances, prime cost amounts and provisional sums	
4.2.14 Appointment of a subcontractor [14.0; 15.0]	
4.2.15 Termination of a nominated n/s subcontract agreement [27.2.8]	
4.2.16 Work by (a) direct contractor(s) [16.0]	
4.2.17 Access by other or previous contractors to remedy defective work	
4.2.18 Removal from the site of any person employed on the works	
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Brought Forward	R
4.2.19 Removal from the site of any person not engaged on or connected with the works	
4.2.20 On termination, protection of the works , removal of construction equipment and surplus materials and goods [29.0]	
5. <u>Electrical engineer</u>	
<u>User note</u>	
<i>Note that the contract instructions hereinafter are those listed in clause 17.0 of the JBCC PBA</i>	
5.1 Duties :	
The electrical engineer is responsible for all aspects of electrical engineering design and quality inspection of the works .	
5.2 Contract instructions [17.0] :	
5.2.1 Rectification of discrepancies, errors in descriptions or omissions in contract documents other than this agreement	
5.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works	
5.2.3 The site [13.2.4]	
5.2.4 Compliance with the law , regulations and by laws [2.1]	
5.2.5 Provision and testing of samples of materials and goods , of finishes and assemblies of elements of the works	
5.2.6 Opening up of work for inspection, removal or re-execution	
5.2.7 Removal or re-execution of work	
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Brought Forward		R
5.2.8 Removal or substitution of any materials and goods		
5.2.9 Protection of the works		
5.2.10 Making good physical loss and repairing damage to the works [8.0]		
5.2.11 Rectification of defects [21.2]		
5.2.12 A list for practical completion specifying outstanding or defective work to be rectified to achieve practical completion and a list for completion and a list for final completion specifying outstanding or defective work to be rectified to achieve final completion		
5.2.13 Expenditure of budgetary allowances, prime cost amounts and provisional sums		
5.2.14 Appointment of a subcontractor [14.0; 15.0]		
5.2.15 Termination of a nominated n/s subcontract agreement [27.2.8]		
5.2.16 Work by (a) direct contractor(s) [16.0]		
5.2.17 Access by other or previous contractors to remedy defective work		
5.2.18 Removal from the site of any person employed on the works		
5.2.19 Removal from the site of any person not engaged on or connected with the works		
5.2.20 On termination, protection of the works , removal of construction equipment and surplus materials and goods [29.0]		
6. <u>Wet services engineer</u>		
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By Botsang and Associates Consulting (PTY) Ltd		

Brought Forward	R
<p><u>User note</u></p> <p><i>Note that the contract instructions hereinafter are those listed in clause 17.0 of the JBCC PBA</i></p> <p>6.1 Duties :</p> <p>The wet services engineer is responsible for all the aspects of wet services engineering design and quality inspection of the works</p> <p>6.2 Contract instructions [17.0] :</p> <p>6.2.1 Rectification of discrepancies, errors in descriptions or omissions in contract documents other than this agreement</p> <p>6.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works</p> <p>6.2.3 The site [13.2.4]</p> <p>6.2.4 Compliance with the law, regulations and by laws [2.1]</p> <p>6.2.5 Provision and testing of samples of materials and goods, of finishes and assemblies of elements of the works</p> <p>6.2.6 Opening up of work for inspection, removal or re-execution</p> <p>6.2.7 Removal or re-execution of work</p> <p>6.2.8 Removal or substitution of any materials and goods</p> <p>6.2.9 Protection of the works</p> <p>6.2.10 Making good physical loss and repairing damage to the works [8.0]</p> <p>6.2.11 Rectification of defects [21.2]</p>	
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Brought Forward	R
6.2.12 A list for practical completion specifying outstanding or defective work to be rectified to achieve practical completion and a list for completion and a list for final completion specifying outstanding or defective work to be rectified to achieve final completion	
6.2.13 Expenditure of budgetary allowances, prime cost amounts and provisional sums	
6.2.14 Appointment of a subcontractor [14.0; 15.0]	
6.2.15 Termination of a nominated n/s subcontract agreement [27.2.8]	
6.2.16 Work by (a) direct contractor(s) [16.0]	
6.2.17 Access by other or previous contractors to remedy defective work	
6.2.18 Removal from the site of any person employed on the works	
6.2.19 Removal from the site of any person not engaged on or connected with the works	
6.2.20 On termination, protection of the works , removal of construction equipment and surplus materials and goods [29.0]	
7. <u>Fire consultant</u>	
<u>User note</u>	
<i>Note that the contract instructions hereinafter are those listed in clause 17.0 of the JBCC PBA</i>	
7.1 Duties :	
The fire consultant is responsible for all aspects of rational fire design and quality inspection of the works	
7.2 Contract instructions [17.0] :	
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Brought Forward	R
7.2.1 Rectification of discrepancies, errors in descriptions or omissions in contract documents other than this agreement	
7.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works	
7.2.3 The site [13.2.4]	
7.2.4 Compliance with the law , regulations and by laws [2.1]	
7.2.5 Provision and testing of samples of materials and goods , of finishes and assemblies of elements of the works	
7.2.6 Opening up of work for inspection, removal or re-execution	
7.2.7 Removal or re-execution of work	
7.2.8 Removal or substitution of any materials and goods	
7.2.9 Protection of the works	
7.2.10 Making good physical loss and repairing damage to the works [8.0]	
7.2.11 Rectification of defects [21.2]	
7.2.12 A list for practical completion specifying outstanding or defective work to be rectified to achieve practical completion and a list for completion and a list for final completion specifying outstanding or defective work to be rectified to achieve final completion	
7.2.13 Expenditure of budgetary allowances, prime cost amounts and provisional sums	
7.2.14 Appointment of a subcontractor [14.0; 15.0]	
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7.2.15 Termination of a nominated n/s subcontract agreement [27.2.8]	
7.2.16 Work by (a) direct contractor(s) [16.0]	
7.2.17 Access by other or previous contractors to remedy defective work	
7.2.18 Removal from the site of any person employed on the works	
7.2.19 Removal from the site of any person not engaged on or connected with the works	
7.2.20 On termination, protection of the works , removal of construction equipment and surplus materials and goods [29.0]	
8. <u>Health and safety consultant</u>	
<u>User note</u>	
<i>Note that the contract instructions hereinafter are those listed in clause 17.0 of the JBCC PBA</i>	
8.1 Duties :	
The health and safety consultant is responsible for all aspects of health and safety of the works . Without derogating from the generality thereof, the health and safety consultant will perform the following specific functions and duties in respect of the health and safety aspects of the works :	
8.1.1 Act as the employer's agent in terms of Construction Regulations issued in terms of the Occupational Health and Safety Act,1993	
8.1.2 Prepare and update the health and safety specification for the works	
8.1.3 Agree with the contractor the health and safety plan for the works	
Carried Forward	R
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Brought Forward		R
8.1.4	Carry out regular audits to ensure adherence to the safety plan and compliance with the Act and Regulations	
8.1.5	Stop the execution of the works where the agreed specification or plan is not adhered to	
	F:..... V:..... T:.....	Item
6	Clause 7.0 - Design responsibility	
	F:..... V:..... T:.....	Item
<u>Insurance and security (A8-A11)</u>		
7	Clause 8.0 - Works risk	
	F:..... V:..... T:.....	Item
8	Clause 9.0 - Indemnities	
	F:..... V:..... T:.....	Item
9	Clause 10.0 - Insurances	
	F:..... V:..... T:.....	Item
10	Clause 11.0 - Security	
	<u>User note</u>	
	<i>If it is deemed advisable, the <u>extent</u> of any security for payment may be stated as follows:</i>	
	Security for payment	
	The employer shall provide to the contractor security for payment in the amount of	
N/A.....	
 Rand (R.....N/A.....)	
	[11.4.1,11.10]	
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	<p style="text-align: center;">Brought Forward</p> <p><u>User note</u></p> <p><i>Where it is expected of the contractor to waive his lien in terms of clause 11.10, the waiver of lien may be extended to subcontracts as follows:</i></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>Errata by JBCC</p> <p>Clause 11.5 Replace "ten (10)" with "five (5)"</p> <p>F:..... V:..... T:.....</p> <p>Execution (A12 - A17)</p> <p>11 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>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 approved by the principal agent, maintain and remove on practical completion a notice board recommended by the South African Institute of Architects and as approved by the principal agent listing the names and logos of the employer, the contractor, and the professional consultants. No subcontractor or supplier notice boards may be erected unless permission is granted by the principal agent for such notice boards to be erected [12.2.18]</p> <p style="text-align: center;">Carried Forward</p> <p>Section No. 1 Bill No. 1 Preliminaries and General</p> <p>By Botsang and Associates Consulting (PTY) Ltd</p>	Item	R	
			R	

Brought Forward		R	
F:..... V:..... T:.....	Item		
<u>User note</u>			
<p><i>Should access to water, sewer, stormwater and/or electricity connections not be identifiable due to such information not being available or the specific requirements of the contractor cannot be determined, then the following clause may be considered in which event a qualified tender may be expected</i></p>			
<p>Access to water, sewer, storm water 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>			
<u>User note</u>			
<p><i>Statutory and other notices which the contractor must submit and/or comply with before possession of the site can be given are to be stated here or in the contract data. Reference [12.1.6]</i></p>			
<p><i>If specific information is not available then the user may consider a clause along the following lines</i></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 align="center">Carried Forward</p>		R	
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	Brought Forward		R
	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		
	Errata by JBCC		
	Clause 12.2.17 Omit the words "[CD] within ten (10) working days "		
	F:..... V:..... T:.....	Item	
12	Clause 13.0 - Setting out		
	F:..... V:..... T:.....	Item	
13	Clause 14.0 - Nominated subcontractors		
	Errata by JBCC		
	Clause 14.1.4 Reference should read "[17.1.14]" Clause 14.6 Reference should read "[17.1.15; 27.1.8]" Clause 14.7.2 Reference should read "[27.1.8]" Clause 14.7.3 Reference should read "[27.2.8]"		
	F:..... V:..... T:.....	Item	
14	Clause 15.0 - Selected subcontractors		
	Errata by JBCC		
	Clause 15.2 Reference should read "[17.1.14]" Clause 15.7.2 Reference should read "[27.1.8]" Clause 15.7.3 Reference should read "[27.2.8]"		
	F:..... V:..... T:.....	Item	
15	Clause 16.0 - Direct contractors		
	Attendance on direct contractors		
	In respect of direct contractors the contractor shall:		
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<p align="center">Brought Forward</p> <ol style="list-style-type: none"> 1. Designate an area for the direct contractor to establish a temporary office and workshop and storage of equipment and materials 2. Allow the use of personnel welfare facilities, where provided 3. Provide water, lighting and single phase electric power to a position within 50m of the place where the direct contract work is to be carried out, other than fuel or power for commissioning of any installation 4. Permit the direct contractor to use erected scaffolding, hoisting facilities, etc provided by the contractor, in common with others having the like right, while it remains erected on the site <p>[16.1]</p> <p>Errata by JBCC</p> <p>Clause 16.1.3 Reference should read "[26.5]"</p> <p>F:..... V:..... T:.....</p> <p>16 Clause 17.0 - Contract instructions</p> <p>Site instructions</p> <p>Instructions issued on site are to be recorded in a site instruction book which is to be supplied and maintained on site by the contractor.</p> <p>Errata by JBCC</p> <p>Clause 17.1.3 Reference should read "[13.2.4]"</p> <p>F:..... V:..... T:.....</p> <p align="center">Carried Forward</p> <p>Section No. 1 Bill No. 1 Preliminaries and General</p> <p>By Botsang and Associates Consulting (PTY) Ltd</p>	<p align="center">Item</p> <p align="center">Item</p>	<p align="center">R</p> <p align="center">R</p>	
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Brought Forward		R
<u>Completion (A18 - A24)</u>		
17	<p>Clause 18.0 - Interim completion</p> <p>F:..... V:..... T:.....</p>	Item
18	<p>Clause 19.0 - Practical completion</p> <p><u>User note</u></p> <p><i>List with a suitable heading in bold any special requirements for practical completion here or in the contract data. Reference as [19.3.1]</i></p> <p>F:..... V:..... T:.....</p>	Item
19	<p>Clause 20.0 - Sectional completion</p> <p><u>User note</u></p> <p><i>If sectional completion is applicable, then a clause with a suitable heading in bold should be inserted, or drawing(s) annexed, to define the various sections. Reference as [20.1]</i></p> <p>Errata by JBCC</p> <p>Clause 20.2.2 Reference should read "[21.6.2]"</p> <p>F:..... V:..... T:.....</p>	Item
20	<p>Clause 21.0 - Defects liability period and final completion</p> <p>Errata by JBCC</p> <p>Clause 21.1 Delete the word "final" in the second last line Reference should read "[21.6.1]"</p> <p>Clause 21.9 Reference should read "[21.4 ; 21.6.1]"</p> <p>F:..... V:..... T:.....</p>	Item
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	Brought Forward		R
21	<p>Clause 22.0 - Latent defects liability period</p> <p>F:..... V:.....</p> <p>T:.....</p>	Item	
22	<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>Errata by JBCC</p> <p>Clause 23.2 Reference should read "[26.7]"</p> <p>Clause 23.2.1 Reference should read "[12.1.7]"</p> <p>F:..... V:.....</p> <p>T:.....</p>	Item	
23	<p>Clause 24.0 - Penalty for late or non-completion</p> <p>F:..... V:.....</p> <p>T:.....</p> <p>Payment (A25 - A27)</p>	Item	
24	<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><u>User note</u></p> <p>Materials and goods stored off site</p> <p>Materials and goods stored off site shall not be authorised for payment [25.3.2] ?</p>		
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	Brought Forward		R	
	<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>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>			
	<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>Errata by JBCC</p>			
	<p>Clause 25.2 The word : "final" in bold in the second line Clause 25.10.3 Reference should read "[25.13 ; 26.10]" New clause 25.12.4 Add the words : "Terminate the agreement [29.14.7] where the listed options [25.12.1-3] have failed"</p>			
	<p>F:..... V:..... T:.....</p>	Item		
25	<p>Clause 26.0 - Adjustment of the contract value and final account</p>			
	<p><u>User note</u></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>Carried Forward</p>		R	
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<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> <p>The contractor shall review, assess and adjudicate any claims received by him from any subcontractor and thereafter submit same to the principal agent with a recommendation in order to assist the principal agent in adjudicating the claim [26.6]</p> <p>Errata by JBCC</p> <p>Clause 26.4.2 Omit the entire clause and renumber thereafter New clause 26.4.3 "Other proven or unavoidable costs"</p> <p>F:..... V:..... T:.....</p>		
26	<p>Clause 27.0 - Recovery of expense and/or loss</p> <p>F:..... V:..... T:.....</p>	Item Item
27	<p><u>Suspension and termination (A28 - A29)</u></p> <p>Clause 28.0 - Suspension by the contractor</p>	
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Brought Forward		R
<p>Errata by JBCC</p> <p>New clause 28.1.5 and renumber thereafter "Or where an agent has failed to act in terms of this agreement [6.4]"</p> <p>Clause 28.2 Replace the word "defect" with "default" in the first line</p> <p>F:..... V:..... T:.....</p>	Item	
<p>28 Clause 29.0 - Termination</p> <p>Errata by JBCC</p> <p>Clause 29.1.2 Delete the words : "within the period stated [CD]"</p> <p>Clause 29.14.1 Change as follows : "Provide or maintain a guarantee for payment.....[11.4 - 5]"</p> <p>Clause 29.14.2 Reference should read "[12.1.7]"</p> <p>New clause 29.14.8 "Or where an agent has failed to act in terms of this agreement [6.4]"</p> <p>F:..... V:..... T:.....</p>	Item	
<p><u>Dispute resolution (A30)</u></p> <p>29 Clause 30.0 - Dispute resolution</p> <p>F:..... V:..... T:.....</p>	Item	
<p>30 Agreement</p> <p>The second sentence of the introduction where the parties sign the agreement, namely "Any provision in this agreement..... acceptance by such subcontractor at any time." is deemed to be deleted</p> <p>The required information of the parties and the amount of the contract sum shall be inserted in the agreement for signature of the agreement by the parties</p> <p>F:..... V:..... T:.....</p>	Item	
Carried Forward		R
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	<p style="text-align: right;">Brought Forward</p> <p>31 Contract data</p> <p>Payment of preliminaries</p> <p>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]</p> <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 and sectional completion is required, the contractor shall provide the principal agent with the division of the categorised amounts into sections. Should the contractor fail to provide such information 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 and sectional completion is required, the contractor shall provide the principal agent with details of the resources required for each section and those that are common to sections. Should the contractor fail to provide such information within the period stipulated, Option A shall apply [CD 26.0]</p> <p><u>SECTION B: PRELIMINARIES</u></p> <p><u>Interpretation (B1)</u></p> <p>Clause 1.1 - Definitions</p> <p>F:..... V:..... T:.....</p>		R	
	<p style="text-align: right;">Carried Forward</p> <p>Section No. 1 Bill No. 1 Preliminaries and General</p> <p>By Botsang and Associates Consulting (PTY) Ltd</p>	Item	R	

Brought Forward		R
33	<p>Clause 1.2 - Interpretation</p> <p>F:..... V:..... T:.....</p> <p><u>Documents (B2)</u></p>	Item
34	<p>Clause 2.1 - Checking of documents</p> <p>F:..... V:..... T:.....</p>	Item
35	<p>Clause 2.2 - Provisional bills of quantities</p> <p><u>User note</u></p> <p><i>Check "wet trades" included in the bills of quantities and edit the following clause as may be necessary</i></p> <p>Multiple procurement</p> <p>These bills of quantities are in multiple procurement format ie the "wet trades" - earthworks, concrete, formwork and reinforcement, precast concrete, masonry, waterproofing and sub-surface drainage - are provisionally (fully?) measured and the subsequent trades are budgetary allowances and/or provisional sums ?</p> <p>F:..... V:..... T:.....</p>	Item
36	<p>Clause 2.3 - Availability of construction information</p> <p>Budgetary allowances and provisional sums</p> <p>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</p> <p>F:..... V:..... T:.....</p>	Item
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Brought Forward			R
37	<p>Clause 2.4 - Ordering of materials and goods</p> <p>F:..... V:..... T:.....</p> <p><u>Previous work and adjoining properties (B3)</u></p>	Item	
38	<p>Clause 3.1 - Previous work - dimensional accuracy</p> <p>F:..... V:..... T:.....</p>	Item	
39	<p>Clause 3.2 - Previous work - defects</p> <p>F:..... V:..... T:.....</p>	Item	
40	<p>Clause 3.3 - Inspection of adjoining properties</p> <p>F:..... V:..... T:.....</p> <p><u>The site (B4)</u></p>	Item	
41	<p>Clause 4.1 - Defined works area</p> <p>F:..... V:..... T:.....</p>	Item	
42	<p>Clause 4.2 - Handover of site in stages</p> <p>F:..... V:..... T:.....</p>	Item	
43	<p>Clause 4.3 - Enclosure of the works</p> <p>F:..... V:..... T:.....</p>	Item	
44	<p>Clause 4.4 - Geotechnical investigation</p> <p>F:..... V:..... T:.....</p>	Item	
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45	Clause 4.5 - Encroachments F:..... V:..... T:.....	Item	
46	Clause 4.6 - Existing premises occupied F:..... V:..... T:.....	Item	
47	Clause 4.7 - Services - known F:..... V:..... T:.....	Item	
48	Clause 4.8 - Protection of trees and/or relevant natural features F:..... V:..... T:.....	Item	
<u>Management of contract (B5)</u>			
49	Clause 5.1 - Management of the works F:..... V:..... T:.....	Item	
50	Clause 5.2 - Progress meetings F:..... V:..... T:.....	Item	
51	Clause 5.3 - Technical meetings F:..... V:..... T:.....	Item	
<u>Samples, shop drawings and manufacturer's instructions (B6)</u>			
52	Clause 6.1 - Samples of materials F:..... V:..... T:.....	Item	
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53	Clause 6.2 - Workmanship samples F:..... V:..... T:.....	Item	
54	Clause 6.3 - Shop drawings F:..... V:..... T:.....	Item	
55	Clause 6.4 - Compliance with manufacturer's instructions F:..... V:..... T:.....	Item	
<u>Deposits and fees (B7)</u>			
56	Clause 7.1 - Deposits and fees F:..... V:..... T:.....	Item	
<u>Temporary services (B8)</u>			
57	Clause 8.1 - Water F:..... V:..... T:.....	Item	
58	Clause 8.2 - Electricity F:..... V:..... T:.....	Item	
59	Clause 8.3 - Ablution and welfare facilities F:..... V:..... T:.....	Item	
60	Clause 8.4 - Communication facilities F:..... V:..... T:.....	Item	
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Brought Forward		R
<u>Prime cost amounts (B9)</u>		
61	<p>Clause 9.1 - Responsibility for prime cost amounts</p> <p><u>User note</u></p> <p><i>Where details of materials included in prime cost amounts <u>are not</u> readily available and it is therefore not possible for the contractor to price for waste, the relevant prime cost amount shall be inserted in the bills of quantities as a lump sum with the contractor being given the opportunity to separately price his overheads and profit and for taking delivery, etc as called for in this clause 9.1 of the preliminaries. In such case the fixing only or installation only of the relevant materials shall be provisionally measured for the contractor to price and shall be re-measured upon completion</i></p> <p><i>Where details of materials for which prime cost amounts are to be allowed <u>are</u> readily available, the quantity surveyor may elect to insert the relevant prime cost amounts in measured items, which measured items shall contain sufficient detail for the contractor to price for fixing and installation, waste, etc</i></p> <p>F:..... V:..... T:.....</p>	Item
<u>Attendance on subcontractors (B10)</u>		
62	<p>Clause 10.1 - General attendance</p> <p><u>User note</u></p> <p><i>General attendance is defined as being the duties of the contractor in terms of clause 12.2 of the JBCC n/s subcontract agreement</i></p> <p>F:..... V:..... T:.....</p>	Item
63	<p>Clause 10.2 - Special attendance</p>	
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<p><u>User note</u></p> <p><i>Insert details after the provisional sums (nominated or selected subcontract amount) for any special attendance where specifically required for each n/s subcontractor separately</i></p> <p><i>It is important to note that general attendance only requires the contractor to "permit the subcontractor 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" (refer to 12.2.13 of the JBCC n/s subcontract agreement). Many n/s subcontractors qualify their tenders to exclude scaffolding and/or hoisting facilities. Especially scaffolding could be an expensive item and it may be necessary in order to avoid claims to require the contractor to provide for the extended use of scaffolding for specific subcontracts within a description of "special attendance" in the applicable bill</i></p> <p>F:..... V:..... T:.....</p>		Item
<u>General (B11)</u>		
64	<p>Clause 11.1 - Protection of the works</p> <p>F:..... V:..... T:.....</p>	Item
65	<p>Clause 11.2 - Protection/isolation of existing/sectionally occupied works</p> <p>F:..... V:..... T:.....</p>	Item
66	<p>Clause 11.3 - Security of the works</p> <p>F:..... V:..... T:.....</p>	Item
67	<p>Clause 11.4 - Notice before covering work</p> <p>F:..... V:..... T:.....</p>	Item
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68	Clause 11.5 - Disturbance F:..... V:..... T:.....	Item	
	Clause 11.6 - Environmental disturbance F:..... V:..... T:.....	Item	
69	Clause 11.7 - Works cleaning and clearing F:..... V:..... T:.....	Item	
70	Clause 11.8 - Vermin F:..... V:..... T:.....	Item	
71	Clause 11.9 - Overhand work F:..... V:..... T:.....	Item	
72	Clause 11.10 - Tenant installations by direct contractors F:..... V:..... T:.....	Item	
73	Clause 11.11 - Advertising F:..... V:..... T:.....	Item	
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	Brought Forward		R
	<u>Preliminaries schedule (B12)</u>		
74	<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 style="padding-left: 40px;">The quantities are provisional Yes/No</p> <p>12.2 - Availability of construction information [2.3]</p> <p style="padding-left: 40px;">Construction documentation is complete Yes/No</p> <p>12.3 - Previous work - dimensional accuracy [3.1]</p> <p>12.4 - Previous work - defects [3.2]</p> <p>12.5 - Inspection of adjoining properties [3.3]</p> <p>12.6 - Defined works area [4.1]</p> <p><u>User note</u></p> <p>12.7 - Handover of site in stages [4.2]</p> <p><u>User note</u></p> <p><i>Describe in detail where handover of the site to the contractor is done in stages</i></p> <p>12.8 - Enclosure of the works [4.3]</p> <p>12.9 - Geotechnical investigation [4.4]</p>		
	Carried Forward		R
	<p>Section No. 1 Bill No. 1 Preliminaries and General</p> <p>By Botsang and Associates Consulting (PTY) Ltd</p>		

Brought Forward	R
<p><u>User note</u></p> <p><i>Insert the following clause should a geotechnical investigation report be available and insert the relevant annexure</i></p> <p>Refer to Annexure TBA for the results of a geotechnical investigation report</p> <p>12.10 - Existing premises occupied [4.6]</p> <p><u>User note</u></p> <p><i>If the existing premises are occupied state it here and describe the detail and/or specific requirements. Reference as [PBA 12.1.2]</i></p> <p>12.11 - Services - known [4.7]</p> <p><u>User note</u></p> <p>12.12 - Protection of trees and/or relevant natural features [4.8]</p> <p><u>User note</u></p> <p><i>Expand clause 4.8 of the Preliminaries should there be specific requirements for the preservation of trees or relevant natural features. Reference as [PBA 12.1.3]</i></p> <p>12.13 - Water [8.1]</p> <p style="padding-left: 40px;">Option A (by contractor) Yes/No</p> <p style="padding-left: 40px;">Option B (by employer - free of charge) Yes/No</p> <p style="padding-left: 40px;">Option C (by employer - metered) Yes/No</p> <p>12.14 - Electricity [8.2]</p> <p style="padding-left: 40px;">Option A (by contractor) Yes/No</p> <p style="padding-left: 40px;">Option B (by employer - free of charge) Yes/No</p> <p style="padding-left: 40px;">Option C (by employer - metered) Yes/No</p>	
Carried Forward	R
<p>Section No. 1 Bill No. 1 Preliminaries and General</p> <p>By Botsang and Associates Consulting (PTY) Ltd</p>	

Brought Forward	R
12.15 - Ablution and welfare facilities [8.3]	
Option A (by contractor) Yes/No	
Option B (by employer) Yes/No	
12.16 - Communication facilities [8.4]	
12.17 - Protection of the works [11.1]	
12.18 - Protection/isolation of existing/sectionally occupied works [11.2]	
Protection/isolation is required Yes/No	
12.19 - Disturbance [11.5]	
<u>User note</u>	
<i>The following clause may be used should "disturbance" [11.5] need to be extended</i>	
All work is to be carried out in such a manner as to cause no unacceptable or unreasonable dust, noise, vibrations, nuisance, inconvenience, annoyance and the like to the public, others, other properties and traffic in so far as they exceed the permissible limitations set by government legislation or by the local authority. Any delays, stoppages and the like arising from or in order to comply with the above will not constitute grounds for an adjustment to the construction period or contract value whatsoever	
12.20 - Environmental disturbance [11.6]	
Controlling all forms of pollution	
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	
Carried Forward	R
Section No. 1 Bill No. 1 Preliminaries and General	
By Botsang and Associates Consulting (PTY) Ltd	

		R	
<p style="text-align: center;">Brought Forward</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>Environmental management plan</p> <p>The employer has prepared an environmental management plan (EMP) (refer to Annexure ? for a copy of the relevant plan). The contractor shall price opposite this item for compliance with all the requirements of such EMP</p> <p>F:..... V:..... T:.....</p> <p><u>SECTION C: SPECIFIC PRELIMINARIES</u></p> <p><u>User note</u></p> <p><i>Users shall avoid inserting in Section C items which may be construed as amending, modifying, correcting or supplementing the provisions of the JBCC Principal Building Agreement. Such amendments, modifications, corrections or supplements should be kept to the absolute minimum and should be inserted in the space provided in the contract data or in a single referenced annexure as stipulated in the contract data or, when taking into account the methodology suggested in the user note on page 2 of this Bill No. 1, should be inserted in Section A under the recited clause headings of the JBCC Principal Building Agreement in this Bill No. 1</i></p> <p><u>User note</u></p>	Item		
<p>75 Warranties for materials and workmanship</p> <p>Where warranties for materials and/or workmanship are called for, the contractor shall obtain a written warranty, addressed to the employer, from the entity supplying the materials and/or doing the work and shall deliver same to the principal agent on the final completion of the contract</p>			
<p style="text-align: center;">Carried Forward</p> <p>Section No. 1 Bill No. 1 Preliminaries and General</p> <p>By Botsang and Associates Consulting (PTY) Ltd</p>		R	

Brought Forward		R
	<p>The warranty shall state that workmanship, materials and installation are warranted for a specific period from the date of practical completion and that any defects that may arise during the specified period shall be made good at the expense of the entity supplying the materials and/or doing the work, upon written notice to do so</p> <p>The warranty will not be enforced if the work is damaged by defects in the execution of the works, in which case the responsibility for replacement shall rest entirely with the contractor</p> <p>F:..... V:..... T:.....</p>	
76	<p>Overtime</p> <p>Should overtime be required to be worked for any reason whatsoever, the cost of such overtime is to be borne by the contractor unless the principal agent has specifically authorised, prior to execution thereof, that costs for such overtime are to be borne by the employer</p> <p>F:..... V:..... T:.....</p>	Item
77	<p>Co-operation of the contractor for cost management</p> <p>It is specifically agreed that the contractor accepts the obligation of assisting the principal agent in implementing proper cost management. The contractor will be advised by the principal agent of all cost management procedures which will be implemented to ensure that the contract value does not exceed the budget</p> <p>F:..... V:..... T:.....</p>	Item
Carried Forward		R
<p>Section No. 1 Bill No. 1 Preliminaries and General</p> <p>By Botsang and Associates Consulting (PTY) Ltd</p>		

Brought Forward		R
78	<p>Overloading</p> <p>The contractor shall take all necessary steps to ensure that no damage occurs due to overloading of any portion of the works or temporary works eg scaffolding, etc. The contractor shall submit details of his proposed loading, storage, plant erection, etc to the principal agent for approval prior to proceeding with such loading, storing or erecting and shall comply with and pay for the principal agent's requirements in connection with the provision of temporary support work, etc. Any damage caused to the works by overloading shall be made good by the contractor at his sole expense</p> <p>F:..... V:..... T:.....</p>	Item
79	<p>Propping of floors below</p> <p>The contractor is advised that propping of floors below may be required if he wishes to use any areas of completed suspended reinforced concrete slabs for vehicle access, storage of materials and goods and location of plant, scaffolding, etc. The location of these areas and any necessary propping shall be approved by the principal agent and the cost thereof shall be borne by the contractor</p> <p>F:..... V:..... T:.....</p>	Item
80	<p>Testing of flat roof waterproofing for watertightness</p> <p>Flat roof waterproof areas shall be prepared with small sand dykes around them of a size and enclosing an area approved by the principal agent, flooded with water and kept "ponded" for at least forty (40) hours as a test to ensure the watertightness of the waterproofing and before any further construction work is carried out above the waterproofing</p> <p>F:..... V:..... T:.....</p>	Item
Carried Forward		R
<p>Section No. 1 Bill No. 1 Preliminaries and General</p> <p>By Botsang and Associates Consulting (PTY) Ltd</p>		

Brought Forward		R
81	<p>Green star building certification</p> <p><u>User note</u></p> <p><i>Insert the provisions called for by the relevant green star consultant should it be a requirement that the project be submitted for green star certification</i></p> <p>F:..... V:..... T:.....</p>	Item
82	<p>Broad based black economic empowerment (BBBEE)</p> <p>Tenders submitted will be evaluated taking into account their empowerment rating</p> <p>The employer will be monitoring the broad based black economic empowerment (BBBEE) status of the contractor throughout the execution of the works</p> <p>The contractor is to submit to the principal agent on an annual basis a schedule of spend, split into vendors engaged as subcontractors and suppliers indicating their BBBEE rating including proof of the said rating</p> <p>F:..... V:..... T:.....</p>	Item
83	<p>Advertising rights</p> <p>The employer may elect to contract with advertising agencies for the erection of advertising hoardings, banners, wraps or the like for the duration of the contract. The contractor shall not prevent such an arrangement and will assist in the facilitation of same. Position and type of advertising structure to be agreed with the principal agent so as not to hinder the contractor in meeting the obligations under this agreement</p> <p>F:..... V:..... T:.....</p>	Item
Carried Forward		R
<p>Section No. 1 Bill No. 1 Preliminaries and General</p> <p>By Botsang and Associates Consulting (PTY) Ltd</p>		

<p>84</p>	<p align="center">Brought Forward</p> <p>Confidentiality</p> <p>The contractor undertakes to maintain in confidence any and all information regarding this project and shall obtain appropriate similar undertakings from all subcontractors and suppliers. Such information shall not be used in any way except in connection with the execution of the works</p> <p>No information regarding this project shall be published or disclosed without the prior written consent of the employer</p> <p>F:..... V:..... T:.....</p>	<p align="center">Item</p>	<p align="center">R</p>	
<p>85</p>	<p>Media releases</p> <p>All rights of publication of articles in the media, together with any advertising relating thereto or in any way connected with this project, shall vest with the employer</p> <p>The contractor together with his subcontractors shall not, without the prior written consent of the employer, cause any statement or advertisement connected with this project to be printed, screened or aired by the media</p> <p>F:..... V:..... T:.....</p>	<p align="center">Item</p>		
<p><u>Provision of a CLO</u></p>				
<p>Community Liaison Officer (CLO)</p>				
<p>The contractor to liaise with the community council to get the going rate for the CLO and include it into his/her pricing as the payment will be through the contractor.(However, proof of the going rate to be provided by the contractor from the community council)</p>				
<p>F:..... V:..... T:.....</p>		<p align="center">Item</p>		
<p align="center">Carried Forward</p> <p>Section No. 1 Bill No. 1 Preliminaries and General</p> <p>By Botsang and Associates Consulting (PTY) Ltd</p>				
			<p align="center">R</p>	

Brought Forward		R
86	Profit on above item	Item
87	Attendance on ditto.	Item
88	Clause 2.0 - Law, regulations and notices	
Health and safety		
<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. 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]</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 		
Carried Forward		R
Section No. 1 Bill No. 1 Preliminaries and General		
By Botsang and Associates Consulting (PTY) Ltd		

Brought Forward		R
<u>Provision of the Health and Safety File</u>		
Health and Safety File Provision		
The contractor to liaise with the client/contractor for the preparation of the Health and Safety File to get the going rate for the allocated specification for the requirements for the scope of works and include it into his/her pricing as the payment will be through the contractor.		
	F:..... V:..... T:.....	Item
89	Profit on above item	Item
90	Attendance on ditto.	Item
<u>SUMMARY OF CATEGORIES</u>		
91	Category : Fixed R	
	Category : Value R	
	Category : Time R	Item
Carried to Final Summary		
Section No. 1 Bill No. 1 Preliminaries and General		R
By Botsang and Associates Consulting (PTY) Ltd		

**Construction of the Seeding Community Hall
for the Ga-Segonyana Municipality**

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 1</u>			
	<u>FOUNDATIONS (PROVISIONAL)</u>			
	<u>PREAMBLES:</u>			
	<u>NOTES:</u>			
	Tenderer s are advised to study the "specification of materials and methods to be used" (EP/ASC Revision 0)			
	<u>SITE CLEARANCE</u>			
	<u>Site clearance:</u>			
1	Digging up and removing soil heaps, rubbish, debris, vegetation, hedges, shrubs, existing paving and trees not exceeding 200mm girth, bush, etc.	m2	1,701	
2	Stripping average 150mm thick layer of top soil and stockpiling on site	m2	1,701	
	<u>REMOVAL OF TREES ETC</u>			
	<u>Taking out and removing, grubbing up roots and filling in holes:</u>			
3	Tree stump exceeding 1000mm and not exceeding 1500mm girth	No	5	
4	Tree stump exceeding 1500mm and not exceeding 2500mm girth	No	2	
	<u>BULK EXCAVATIONS, etc.</u>			
	<u>Excavation in earth not exceeding 4m deep</u>			
5	Bulk Excavations, Preparing, Taking out Bulk earthworks for the construction/making of Basement Parking, etc	m3	2,075	
	Carried Forward			R
	Section No. 2 Bill No. 1 Earthworks (provisional)			
	By Botsang and Associates Consulting (PTY) Ltd			

**Construction of the Seeding Community Hall
for the Ga-Segonyana Municipality**

Brought Forward			R
	<u>Earth filling supplied by the contractor under excavated area to make level and preparing for footing, paving, etc</u>		
6	Oversite of 150mm G5/6 imported material selected gravel material with 95% compaction	m3	2,075
	<u>Compaction of surfaces</u>		
7	Scarifying and compaction of ground surface preparing for the footing, bases 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	1,153
<u>EXCAVATIONS IN TRENCHES AND HOLES</u>			
8	Trenches for strip footings	m3	395
9	Bases	m3	115
<u>Extra over excavations in earth to trenches and holes for</u>			
10	Excavation in soft rock	m3	51
11	Excavation in hard rock	m3	61
<u>CARTING AWAY OF EXCAVATED MATERIAL</u>			
<u>Note:</u>			
Description 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.			
12	Extra over all excavations for loading and carting away surplus excavated material from holes, trenches, etc. to a suitable dumping ground to be located by the contractor	m3	510
<u>RISK OF COLLAPSE OF EXCAVATIONS</u>			
Carried Forward			R
Section No. 2 Bill No. 1 Earthworks (provisional)			
By Botsang and Associates Consulting (PTY) Ltd			

**Construction of the Seeding Community Hall
for the Ga-Segonyana Municipality**

Brought Forward			R
	<u>Risk of collapse to side of excavation in earth not exceeding 1,5m deep</u>		
13	Trench and holes	m2	1,190
	<u>KEEPING EXCAVATIONS FREE FROM WATER</u>		
14	Allow for keeping excavations free from water		Item
	<u>FILLING, ETC.</u>		
	<u>Filling supplied by the Contractor under floors, trenches, etc.</u>		
15	Backfilling to trenches, holes, etc	m3	540
	<u>COMPACTION OF SURFACES</u>		
16	Prepare ground surface by scarifying sub-grade, rip and re compact 150mm to 93% modified AASHTO density	m2	340
	<u>WEED KILLERS, INSECTICIDES, TERMITES, etc.</u>		
	<u>Termite poisoning: Treat ground under all internal and external walls, concrete beds and reinforced concrete slabs with poison as per clause 2.13 of specification OOG-001E with 50mm sand over poison.</u>		
17	Loosen top surface of excavation or filling under solid floors and pavings for a depth of 50mm, level and dose uniformly with insecticide solution, including raking over to ensure an even distribution and recompact along foundation walls, columns, etc	m2	1,087
18	To bottom and sides of excavated trenches, Holes, etc.	m2	1,530
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 1			
Earthworks (provisional)			
By Botsang and Associates Consulting (PTY) Ltd			

**Construction of the Seeding Community Hall
for the Ga-Segonyana Municipality**

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 2</u>			
	<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	NOTES:			
	Tenderers are advised to study the "specification of materials and methods to be used" (EP/ASC Revision 0)			
	<u>CONCRETE, FORMWORK AND REINFORCEMENT IN FOUNDATIONS</u>			
	<u>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>			
	<u>Grade 15Mpa/19mm concrete</u>			
1	50mm concrete blinding under footings and bases	m3	17	
	<u>REINFORCED CONCRETE</u>			
	<u>25MPa/19mm Concrete:</u>			
2	In strip footings.	m3	79	
3	In footing Bases for holes.	m3	23	
4	Surface beds.	m3	163	
5	In beams and Columns	m3	31	
6	Walls	m3	20	
7	Steps and Landing	m3	9	
8	Roof Slab	m3	86	
9	In Stub Columns	m3	11	
	Carried Forward			R
	Section No. 2 Bill No. 2 Concrete, Formwork and Reinforcement			
	By Botsang and Associates Consulting (PTY) Ltd			

**Construction of the Seeding Community Hall
for the Ga-Segonyana Municipality**

		Brought Forward		R
<u>TEST BLOCKS</u>				
<u>Notes:</u>				
Curing and testing of test blocks are to be carried out by a approved laboratory				
10	Making and testing set of six 150 x 150 x 150mm concrete strength test cubes	Sets	35	
<u>SUNDRIES TO CONCRETE</u>				
<u>Surface treatment</u>				
11	Power float/wood float top surface of concrete surface bed to a true and even level finish, per the engineers spec.	m2	1,085	
<u>Chamfering</u>				
12	Chamfering to concrete, etc	m	63	
<u>MOVEMENT JOINTS ETC</u>				
<u>Expansion joints with bitumen impregnated softboard between vertical concrete/brick work surfaces</u>				
13	6mm x 15mm deep saw cut joint	m	267	
14	10 mm Joints not exceeding 300 mm high	m	156	
<u>SMOOTH FORMWORK</u>				
<u>Degree of Accuracy 2</u>				
15	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	427	
16	To soffit of slab, including propping in heights exceeding 3.0m and not exceeding 4.5m high	m2	376	
17	To stub columns, 230mm diameter, 755mm high	No	12	
		Carried Forward		R
Section No. 2				
Bill No. 2				
Concrete, Formwork and Reinforcement				
By Botsang and Associates Consulting (PTY) Ltd				

**Construction of the Seeding Community Hall
for the Ga-Segonyana Municipality**

Brought Forward			R
<u>Degree of Accuracy 2 to rectangular columns</u>			
18	To columns exceeding 2.5 but not exceeding 3.5m high	m2	126
19	To columns exceeding 3.5 but not exceeding 5m high	m2	126
<u>Degree of Accuracy 2 to circular columns</u>			
20	To columns exceeding 2.5 but not exceeding 3.5m high	No	12
21	To columns exceeding 3.5 but not exceeding 5.5m high	No	12
<u>REINFORCEMENT (PROVISIONAL)</u>			
<u>Mild Steel reinforcement to structural work</u>			
22	Reinforcement in varying diameters	t	28.49
<u>Fabric reinforcement:</u>			
23	Type 193/240 fabric reinforcement in concrete surface beds, slabs, etc.	m2	1,085
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 2			
Concrete, Formwork and Reinforcement			
By Botsang and Associates Consulting (PTY) Ltd			

**Construction of the Seeding Community Hall
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Item No		Unit	Quantity	Rate	Amount
	<u>SECTION NO. 2</u>				
	<u>BILL NO. 3</u>				
	<u>PRECAST CONCRETE</u>				
	<u>PREAMBLES</u>				
	<u>NOTES:</u>				
	Tenderers are advised to study the "specification of materials and methods to be used" (EP/ASC Revision 0)				
	<u>PRECAST CONCRETE LINTELS</u>				
	<u>Approved pre-stressed fabricated lintels</u>				
1	Pair of 100 x 70mm Lintel not exceeding 3m long, hoisted into position and laid over opening on brick walls with ends bedded in class II mortar.	m	235		
2	Pair of 100 x 70mm Lintel not exceeding 3.5m long, hoisted into position and laid over opening on brick walls with ends bedded in class II mortar.	m	340		
	Carried Forward to Summary of Section No. 2				
	Section No. 2 Bill No. 3 Precast Concrete				R
	By Botsang and Associates Consulting (PTY) Ltd				

**Construction of the Seeding Community Hall
for the Ga-Segonyana Municipality**

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 4</u>			
	<u>MASONRY</u>			
	<u>PREAMBLES</u>			
	NOTE:			
	Tenderers are advised to study the "specification of materials and methods to be used" (EP/ASC Revision 0)			
	<u>BRICKWORK IN FOUNDATION, etc.</u>			
	<u>Ordinary brickwork</u>			
	<u>Brickwork in 73mm burnt clay masonry units class NFP in Class II mortar laid in stretcher bond with 10mm flush joints and prepared to take plaster</u>			
1	One-brick wall	m2	268	
2	345mm thick cavity wall	m2	76	
	<u>Reinforcement to brickwork</u>			
3	Brick reinforcing fabric 150mm wide	m	1,608	
4	Brick reinforcing fabric 225mm wide	m	532	
	<u>SUPERSTRUCTURE BRICKWORK</u>			
	<u>Brickwork of NFP brick in class II mortar</u>			
5	115mm brick wall	m2	147	
6	One-brick wall	m2	1,115	
7	345mm thick cavity wall	m2	212	
8	230mm thick Gable brick cavity wall	m2	165	
	Carried Forward			R
	Section No. 2 Bill No. 4 Masonry			
	By Botsang and Associates Consulting (PTY) Ltd			

**Construction of the Seeding Community Hall
for the Ga-Segonyana Municipality**

Brought Forward			R
<u>SUNDRIES</u>			
<u>Brickwork reinforcement:</u>			
9	75mm Wide reinforcement built in horizontally	m	882
10	150mm Wide reinforcement built in horizontally.	m	6,690
11	225mm Wide reinforcement built in horizontally.	m	1,484
<u>FACE BRICKWORK</u>			
Bricks shall be ordered timeously to obtain uniformity in size and colour			
<u>30-40Mpa Travetine imperial FBX clay face bricks with PC sum amount of R 4 500.00 per thousand bricks delivered to site (excluding VAT) manufactured in accordance with SANS 227-2007, bedded and jointed in Class I/II mortar and pointed with flush vertical and flush horizontal joints, suitable for exposure zones 1-2, or similar approved</u>			
12	Extra over Ordinary brickwork for face brickwork	m2	451
13	Extra over ordinary face-brick work for brick-on-edge header course band	m	210
14	Extra over ordinary face-brick work for brick-on-edge header course lintel	m	190
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 4			
Masonry			
By Botsang and Associates Consulting (PTY) Ltd			

**Construction of the Seeding Community Hall
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Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 5</u>			
	<u>WATERPROOFING</u>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>NOTES:</u>			
	Tenderers are advised to study the "specification of materials and methods to be used" (EP/ASC Revision 0)			
	<u>DAMPPROOFING OF WALLS AND FLOORS</u>			
	<u>One layer of 375 micron embossed damp proof course</u>			
1	Under walls	m2	450	
	<u>One layer of 250 micron, or similar approved waterproof sheeting all side overlaps sealed at laps with 'Superstik' tape/approved contact adhesive on 50mm sand on approved filling.</u>			
2	Under surface beds.	m2	1,085	
3	20 x 10mm In joints between frames and walls.	m	320	
	<u>Acrylic silicone sealing compound</u>			
4	5mm wide x 5mm deep between mirrors	m	230	
	<u>SLAB/FOOTING WATERPROOFING</u>			
	The Contractor shall allow in his rates for testing the waterproofing for water tightness by ponding the waterproofed surfaces for a period of at least 48 hours before application of a protective layer.			
	Carried Forward			R
	Section No. 2 Bill No. 5 Waterproofing			
	By Botsang and Associates Consulting (PTY) Ltd			

**Construction of the Seeding Community Hall
for the Ga-Segonyana Municipality**

	Brought Forward			R
	<p><u>DPM-131: Waterproofing to Shower Bases, Roof Slabs, etc. Derbigum SP3, or acceptable equivalent, modified torch-on membrane, polyester reinforced fully sealed to primed surface. Applied to sand cement screed laid to falls in accordance with the waterproofing membrane manufacturer's recommendations. Fully bonded sealing where side and end laps are to be avoided. Dress membrane up and bond to sides of shower cubicle and waterproofing to be fully dressed into drainage outlets. Prime with Derbigum Bitumen primer, or acceptable equivalent, as recommended for the purpose by the membrane manufacturer's recommendations.</u></p>			
5	Concrete slab/Footing including dressing into outlets, turn-ups, etc.	m2	376	
	Carried Forward to Summary of Section No. 2			R
	Section No. 2			
	Bill No. 5			
	Waterproofing			
	By Botsang and Associates Consulting (PTY) Ltd			

**Construction of the Seeding Community Hall
for the Ga-Segonyana Municipality**

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 6</u>			
	<u>ROOF COVERINGS</u>			
	<u>NOTES:</u>			
	Tenderers are advised to study the "specification of materials and methods to be used" (EP/ASC Revision 0)			
	<u>ROOF SHEETING</u>			
	<u>0.5mm Thick , concealed Klip Lock Roof Sheets fixed to steel / timber purlins and rafters, colour per the engineer/architect</u>			
1	Roof sheeting pitch not exceeding 17 degrees	m2	960	
	<u>SHEET METAL FLASHINGS, LININGS, COPING, VALLEYS, ETC.</u>			
2	Flashing - 350mm wide	m	132	
3	<u>0,58mm OR 0,8mm Galvanised Ridge Cap Flashing</u>	m	35	
4	<u>Matching Stop End</u>	No	20	
	<u>ROOF AND WALL INSULATION</u>			
	<u>Heavy industrial grade aluminium foil based insulation</u>			
5	Insulation laid taut over purlins (at approximately 1600mm centres) and fixed concurrent with roof covering including galvanised steel straining wires	m2	960	
	Carried Forward to Summary of Section No. 2			R
	Section No. 2			
	Bill No. 6			
	Roof Coverings			
	By Botsang and Associates Consulting (PTY) Ltd			

**Construction of the Seeding Community Hall
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Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 7</u>			
	<u>CARPENTRY AND JOINERY</u>			
	<u>PREAMBLES</u>			
	<u>NOTES:</u>			
	Tenderers are advised to study the "specification of materials and methods to be used" (EP/ASC Revision 0)			
	<u>FASCIAS AND BARGE BOARDS</u>			
1	15 x 225mm Fascia board countersunk screwed to roof timbers (elsewhere) with two brass screws at maximum 754mm centres and jointed with and including standard aluminium halfround cover strips at all joints.	m	134	
2	15 x 225mm Barge board countersunk screwed to roof timbers (elsewhere) with two brass screws and nailed with steel nails into mortar joints at maximum 750mm centres and jointed with and including standard aluminium halfround cover strips at all joints.	m	134	
	<u>DOORS ETC</u>			
	All framed and ledged batten doors and combination doors, where battens are utilised, shall only be of construction acceptable to the Department, i.e. mortice and tenon where the tenon is exposed on the outside edges of styles and where the tenon is wedged to form a dovetailed shape.			
	<u>SOLID/HARD WOOD DOORS</u>			
	Carried Forward			R
	Section No. 2 Bill No. 7 Carpentry and Joinery			
	By Botsang and Associates Consulting (PTY) Ltd			

Brought Forward			R
	<p><u>DOOR: DRT-211 Framed and Ledged Solid Single Door 44mm Thick Hard Wood: Framed Ledged Braced and Batton door with 44mm x 100mm Frame, 22mm x 100mm Braced and 22mm x 230mm Bottom Rail Filled in with 12mm x 75mm Tung and Groove V-Jointed Boarding. Back to be closed in with 4mm plywood recessed into stiles</u></p>		
3	<p>Door average size, 877 x 2400mm high overall with rebated meeting stiles.</p>	No	5
	<p><u>DOOR: DRT-215: Equal, Solid Core, Flush, Double Door with View Panel, 20mm undercut, with push and Kick plate with rebated lippings to meeting stiles: FINISH: PNT-142: Acrylic vinyl emulsion to woodwork Colour: to Architect approval or similar approved</u></p>		
4	<p>Double Door average size, 1677 x 2400mm high overall with rebated meeting stiles.</p>	No	3
	<p><u>SEMI SOLID DOORS</u></p>		
	<p><u>DOOR: DRT-375: Semi-Solid, Flush Double Door, 20mm Undercut, Including Toplight, with Push and Kick Plate, [With Rebated Lippings to Meeting Stiles,], Paint work Finish with - Code:142: Acrylic Vinyl, Emulsion to Woodwork, Colour to the Architect Specification's approval. or similar approved</u></p>		
5	<p>Door overall size, 1270mm high x 2400mm high on the horizontal plane with high rebated meeting stiles, with 40mm plywood faced semi-solid flush core panel fixed into rebate with aluminium beads to match.</p>	No	4
	<p><u>DOOR:DRT-361 Semi Solid, Flush Single Door, With Paint: PNT-142: Acrylic vinyl emulsion to wood work: Colour : to Architect's approval. with 4mm Clear glass rebate glass fixed into rebate with aluminium beads as fan light</u></p>		
6	<p>Door overall size, 877mm high x 2400mm high on the horizontal plane with high rebated meeting stiles, with 40mm plywood faced semi-solid flush core panel fixed into rebate with aluminium beads to match.</p>	No	12
	Carried Forward		R
	<p>Section No. 2 Bill No. 7 Carpentry and Joinery</p>		
	By Botsang and Associates Consulting (PTY) Ltd		

**Construction of the Seeding Community Hall
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Brought Forward			R
7	<p><u>DOOR: DRT-376: Semi-Solid, Flush Single Door with 20mm Undercut and Kick Plate Finish: PNT-142: Acrylic Vinyl Emulsion to Wood work Colour: To Architects approval</u></p> <p>Door average size 994mm x 2400mm high</p>	No	6
8	<p><u>DOOR: DRT-364: Semi-Solid, Flush Single Door with 150mm Undercut Finish: PNT-142: Acrylic Vinyl Emulsion to Wood work: Colour: To Architects approval</u></p> <p>Door average size 877mm x 2064mm high</p>	No	6
<u>JOINERY</u>			
<u>SKIRTINGS</u>			
<u>Wrought Meranti hardwood</u>			
9	<p>19 x 76mm Meranti Skirting board with 19mm rounded quarter round nailed to wall. All nails to be punched and fitted. finish with 2 coats clear agg shell polyurethane vanish</p>	m	615
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 7			
Carpentry and Joinery			
By Botsang and Associates Consulting (PTY) Ltd			

**Construction of the Seeding Community Hall
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Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 8</u>			
	<u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>NOTES:</u>			
	Tenderers are advised to study the "specification of materials and methods to be used" (EP/ASC Revision 0)			
	<u>Note:</u>			
	Electrical light fittings, diffusers, panels, etc generally are "lay in" units of the same dimensions as the suspension grid described and allowance must be made accordingly for their support inclusive of any flexibility inseting out that may be required (ceiling panels have not been deducted and pricing is to take cognisance thereof)			
	<u>NAILED UP HORIZONTAL CEILINGS</u>			
	<u>9mm Gypsum plasterboard ceiling with and including fixed at same roof on 38 x 38mm sw branderung at 400mm centers.</u>			
1	Platerboard Ceiling	m2	415	
2	Extra over ceiling for 650 x 650mm trap door of 38 x 50mm wrought softwood rebated framing with one 38 x 50mm sawn softwood cross brander covered with ceiling board and fitted flush in opening	No	10	
	<u>HORIZONTAL SUSPENDED CEILING</u>			
	<u>1200mm x 600mm Lay-in Vinyl Acoustic Faced Tiled Ceiling suspended to manufactures specification/architectures or similar approved</u>			
3	Suspended Ceiling	m2	537	
	Carried Forward			R
	Section No. 2 Bill No. 8 Ceilings, Partitioning and access flooring			
	By Botsang and Associates Consulting (PTY) Ltd			

**Construction of the Seeding Community Hall
for the Ga-Segonyana Municipality**

Brought Forward				R
<u>BULKHEADS</u>				
<u>CLG-321: Suspended Plasterboard Bulkheads</u> <u>Proprietary suspended monolithic plasterboard bulkhead system. 9,5mm Standard Tapered Gypsum plaster ceiling board or acceptable equivalent to be fixed with 25mm drywall self-tapping screws, at a maximum of 150mm. Jointing to be self-adhesive glass fibre tape and quick setting joint filler. Supported by main tees installed at maximum 1200mm centres suspended using Galvanised Angle 25mm x 25mm at 1200mm centres along the length of the main tee, cross tees should be installed at 300mm centres with additional cross tees fixed to the main tees using Angle Cleats.</u>				
4	Installed and designed bulk heads per the designs,	m	195	
<u>Cornices</u>				
5	19 x 50mm S.A pine Cornice: laid flat and finished with one universal undercoat and two coats enamel paint	m	950	
<u>Insulation</u>				
6	75mm Thick fibreglass insulation blanket in cavity of partitioning laid according to manufactures specification.	m2	415	
7	4mm Alucushion® / Bubblefoil® FR (Fire Retardant) - white polyethylene coated single sided aluminium foil insulation Code 2906 as supplied by Alucushion® Thermal Insulation (Pty) Ltd. Laid taut over purlins and fixed concurrent with roof covering; overlapped longitudinally by 100mm; on and including white PVC coated straining wire spaced at 383mm centres; all in strict accordance with the manufacturers specifications.	m2	537	
Carried Forward to Summary of Section No. 2				R
Section No. 2				
Bill No. 8				
Ceilings, Partitioning and access flooring				
By Botsang and Associates Consulting (PTY) Ltd				

**Construction of the Seeding Community Hall
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Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 9</u>			
	<u>FLOOR COVERINGS, WALL LININGS, ETC.</u>			
	NOTE:			
	Tenderers are advised to study the "specification of materials and methods to be used" (EP/ASC Revision 0)			
	<u>FLOOR COVERINGS</u>			
	<u>VINYL SHEETING</u>			
	<u>FLF-666 Vinyl Sheeting - Expona Flow PUR 2000mm wide x 2mm thick Palettone SD, or acceptable equivalent, high quality flexible vinyl flooring roll or acceptable equivalent with static dissipative properties. Colour/ pattern to architect's approval. Installed on power floated concrete and cement sand screed with wood float finish to vinyl manufacturer 's recommendations. Coved turn-ups against walls 150/90mm high as shown on Architect's design drawing. Adhesive (and primer if recommended by manufacturer) as recommended by the sheeting manufacturer.</u>			
1	On floors	m2	538	
2	150mm High Skirting, etc. <u>Vinyl Edge and Cover Strips</u>	m	94	
3	Code CF20 cove Former	m	94	
4	Code CS-N capping Strips	m	47	
	<u>POLISH, SEALERS, ETC</u>			
	<u>Strip, Seal and Three coats wox polish</u>			
5	On Vinyl Floors	m2	538	
	Carried Forward to Summary of Section No. 2			R
	Section No. 2 Bill No. 9 Floor Coverings, Wall Linings, etc.			
	By Botsang and Associates Consulting (PTY) Ltd			

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Item No		Quantity	Rate	Amount
	<p><u>SECTION NO. 2</u></p> <p><u>BILL NO. 10</u></p> <p><u>IRONMONGERY</u></p> <p>NOTE:</p> <p>Tenderers are advised to study the "specification of materials and methods to be used" (EP/ASC Revision 0)</p> <p>Where ironmongery is described as plugged, prices are to include for screwing to and including approved patent plugs in concrete or brickwork with plaster or tiled finish, etc.</p> <p><u>IRONMONGERY FIXED TO DOORS, etc.</u></p> <p><u>ALLOWANCE FOR IRONMONGERY</u></p>			
1	Provide the amount of R 150 000.00 (One Hundred and Fifty Thousand Rand) for the provision of Ironmongery installed complete. to be confirmed by Architect/Engineer		Item	
2	Profit on above item		Item	
3	Attendance on ditto.		Item	
	Carried Forward to Summary of Section No. 2			R
	Section No. 2 Bill No. 10 Ironmongery			
	By Botsang and Associates Consulting (PTY) Ltd			

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Item No		Quantity	Rate	Amount
	<p><u>SECTION NO. 2</u></p> <p><u>BILL NO. 11</u></p> <p><u>METALWORK</u></p> <p><u>PREAMBLES</u></p> <p><u>NOTES:</u></p> <p>Tenderers are advised to study the "specification of materials and methods to be used" (EP/ASC Revision 0)</p> <p><u>ALUMINIUM</u></p> <p>The contractor is to make due allowance in his prices for complying with the following requirements.</p> <p><u>ALUMINIUM SHOP FRONTS, PARTITIONING, etc.</u></p> <p><u>Design and install shop front with double door, with fanlight over door, with average 3555mm high overall, consisting of butt jointed clear laminated 6.38mm clear safety glass designed to SABS and NBR standards by specialist subcontractor with aluminium top and bottom rails and glass fins and aluminium doors 1600mm wide opening complete with ironmongery- client to approve. Frame finish:</u></p>			
1	Aluminium shop front doors opening average size 1600 x 2720mm high complete with 6.38mm safety glazing. built on the average frame size 4415 x 3555mm high per the drawings. (measurements to be confirmed on site before installation)	No	4	
2	Aluminium shop front doors opening average size 1600 x 2720mm high complete with 6.38mm safety glazing. built on the average frame size 2480 x 3450mm high per the drawings. (measurements to be confirmed on site before installation)	No	3	
	Carried Forward			R
	<p>Section No. 2 Bill No. 11 Metalwork</p> <p>By Botsang and Associates Consulting (PTY) Ltd</p>			

**Construction of the Seeding Community Hall
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Brought Forward			R
3	Aluminium shop front doors opening average size 1600 x 2720mm high complete with 6.38mm safety glazing. built on the average frame size 4040 x 3555mm high per the drawings. built on two fixed panes of average size, 1220 x 3555mm high with fixed panes size two number 1220 x 835mm, 1220 x 1780mm high (measurements to be confirmed on site before installation)	No	2
4	Aluminium shop fixed front panes with 6No. top outward opening panes of average size 1347 x 941mm high, built on 6No. bottom fixed panes of average size 1347 x 889mm high with 6.38mm safety glazing. built on the average frame size 4040 x 3810mm high per the drawings. (measurements to be confirmed on site before installation)	No	4
<u>ALUMINIUM DOORS, FRAMES, etc</u>			
<u>Single/double french aluminium doors, finish: power coated aluminium type with glazing: 6.38mm clear safety glass with Max 5.8 U-Value and Max 0.84 SGHC to SABS std including door frame or similar approved.</u>			
5	Average Door frame size 1800 x 2400mm overall comprising four fixed light size 900 x 1200mm high.	No	8
6	Shower doors, size 813 x 2032mm high complete with glazing.	No	2
<u>ALUMINIUM WINDOWS, FRAMES, etc</u>			
<u>Top hung opening out with fixed glazing: finish-powder coated aluminium. frame: powder aluminium frame, glazing: 6.38mm clear safety glazing to SABS STD.complete with all ironmongery, and fixed in position including all packings, spacers, sub-frames and fixings etc., and sealed all round with poly sulphide sealant:</u>			
7	Window panel, average size 600 x 900mm high overall comprising 1No. top hung outward opening sashes, and 1No. infill panels including friction hinges and casement stays. including burglar bars, to spec. or similar approved. etc. - (measurements to be confirmed on site before installation)	No	10
Carried Forward			R
Section No. 2 Bill No. 11 Metalwork			
By Botsang and Associates Consulting (PTY) Ltd			

**Construction of the Seeding Community Hall
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Brought Forward			R
8	Window panel, average size 1800 x 1200mm high overall comprising 2No. top hung and bottom outward opening sashes, of average size: 1800 x 645mm high panels including friction hinges and casement stays. including burglar bars, to spec. or similar approved. etc. - (measurements to be confirmed on site before installation)	No	3
9	Window panel, average size 1200 x 1200mm high overall comprising 1No. fixed pane including friction hinges and casement stays. including burglar bars, to spec. or similar approved. etc. - (measurements to be confirmed on site before installation)	No	6
<u>PRESSED STEEL DOOR FRAMES</u>			
<u>1,6mm Single rebated frames suitable for half brick walls</u>			
10	Frame for door 900 x 2100mm high	No	12
<u>1,6mm Single rebated frames suitable for One brick walls</u>			
11	Frame for door 900 x 2100mm high	No	11
12	Frame for door 1600 x 2100mm high	No	4
<u>SUNDRY STAINLESS STEELWORK</u>			
<u>Corner protectors, dividing strips, etc</u>			
13	30 x 3mm Flat section brass dividing strips between different floor finishes	m	230
<u>LOUVRED</u>			
<u>DRA-191 - Aluminium Framed Louvred Door set with natural</u>			
14	Door average size 600 x 1870mm high (measurements to be confirmed on site before installation)	No	4
<u>STAINLESS STEEL DOOR</u>			
Carried Forward			R
Section No. 2 Bill No. 11 Metalwork			
By Botsang and Associates Consulting (PTY) Ltd			

**Construction of the Seeding Community Hall
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Brought Forward				R
	<u>External steel door for refuse area: to be painted mild steel frame: colour to be determined on site.</u>			
15	Door size 1000 x 1600mm high	No	1	
	<u>STEEL ROLLER SHUTTERS ETC</u>			
	<u>"Galvanised " GRS-341: Manually Operated Services Counter Roller Shutter Door: Finish: Factory Finish as Delivered per the Architect spec. or similar approved</u>			
16	Chain operated slatted roller shutter average size 1800 x 1000mm high opening	No	1	
Carried Forward to Summary of Section No. 2				
Section No. 2				R
Bill No. 11				
Metalwork				
By Botsang and Associates Consulting (PTY) Ltd				

**Construction of the Seeding Community Hall
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Item No		Unit	Quantity	Rate	Amount
	<p><u>SECTION No. 2</u></p> <p><u>BILL NO. 12</u></p> <p><u>STRUCTURAL STEELWORK</u></p> <p><u>NOTES:</u></p> <p>Tenderers are advised to study the "specification of materials and methods to be used" (EP/ASC Revision 0)</p> <p><u>Mass:</u> The mass of all structural steelwork includes for all caps, bases and connections; is calculated nett in accordance with the mass lists of the South African Institute of Steel Construction wherein no allowance is made for rolling margins, rivets, black bolts, nuts, washers, distance pieces, packing, additional material in welding, decorative or protective treatments, nor for constructional aids, binding wire and waste. If the mass of any steel actually used exceeds the mass in the above mentioned lists this additional mass shall be entirely to the contractor's account and the masses to be used on this contract will be strictly in accordance with these lists.</p> <p><u>Prices:</u> The prices for structural steelwork are to include for all necessary cutting to lengths, shaping, holing, tapping, threading, forging, turning, welding and filing smooth as well as for cutting, for threading where necessary and for transporting to site, assembling, hoisting and fixing to the required levels. All rails, etc., described as continuous are to be in long lengths with flush welded joints. All screwed work is to have full threads. Where welding is stated this is to be continuous unless otherwise described.</p> <p>The contractor shall check all dimensions on site as he shall be held solely responsible for work manufactured to incorrect sizes.</p> <p>Structural steel shall be Grade 43, and where welding is stipulated this shall be 6mm continuous fillet welds.</p> <p align="right">Carried Forward</p> <p>Section No. 2 Bill No. 12 Structural Steelwork</p> <p>By Botsang and Associates Consulting (PTY) Ltd</p>				<p align="right">R</p>

**Construction of the Seeding Community Hall
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Brought Forward				R
<p>The contractor shall submit his 'Shop Drawings' to the engineer in duplicate and must receive written approval thereof before commencing with the work.</p> <p>All structural steelwork is to be mechanically wire brushed and primed with one coat of grade 1 Red Lead Primer to a dry film thickness of minimum 30 microns. After erection all damaged areas shall be wire brushed and patch primed.</p> <p><u>ROOF STRUCTURE</u></p> <p><u>The following steel columns, rafters and beams in frames hoisted and bolted together in position approximately 9,500m above finished floor level. members with welded plates and angle sections in connections:</u></p>				
1	406 x 140 x 67kg/m UB Rafter	t	1.1	
2	PC 230 x 90 PFC False Rafter	t	0.9	
3	200 x 75 x 20 x 3,0 CF lipped channel in purlin.	t	0.6	
4	150 x 75 x 20 x 2,5 CF lipped channel in purlin.	t	0.3	
5	40 x 40 x 4L SAG Angle	t	0.35	
<u>BOLTS, etc.</u>				
<u>Holding down bolts:</u>				
6	Provide the Provisional Amount of R 25 000.00 (Twenty-five Thousand rands) for bolts, fasteners, etc.		Item	25,000.00
<u>Ancillary members:</u>				
7	70 x 70 x 6L X - Bracing	t	0.20	
8	70 x 70 x 6L Knee Bracing	t	0.30	
9	100 x 4,0 CHS eaves knee	t	0.25	
10	100 x 4,0 CHS eaves tie	t	0.15	
Carried Forward				
<p>Section No. 2 Bill No. 12 Structural Steelwork</p> <p>By Botsang and Associates Consulting (PTY) Ltd</p>				R

**Construction of the Seeding Community Hall
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Brought Forward				R
<u>Sundries:</u>				
11	Dry pack grouting 25mm thick under steel base plate to top of column size 400 x 300mm.	No	6	
12	Box in formwork to form pocket size 200 x 50 x 100mm deep on top of concrete wall beam.	No	3	
<u>PAINTING</u>				
<u>Prepare and apply one coat universal undercoat and two coats high gloss enamel paint to:</u>				
13	Surfaces of structural steel.	m2	230	
Carried Forward to Summary of Section No. 2				R
Section No. 2				
Bill No. 12				
Structural Steelwork				
By Botsang and Associates Consulting (PTY) Ltd				

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Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 13</u>			
	<u>PLASTERING</u>			
	NOTE:			
	Tenderers are advised to study the "specification of materials and methods to be used" (EP/ASC Revision 0)			
	<u>SCREEDS</u>			
	<u>Screeds on concrete</u>			
1	30mm thick on floors to receive porcelain/ceramic floor tiles/carpeting, etc.	m2	1,085	
2	30mm thick on floors to receive waterproofing	m2	345	
3	CR-141: Self-Leveling Screed Average 20mm thick single pack rapid hardening cement based screed on min. of 25MPa substrate. Prime prepared substrate with 2No coats acrylic primer, allow to dry before applying screed. Apply self-leveling screed with a steel trowel in strict accordance with the manufacturer 's recommendations.	m2	538	
	<u>INTERNAL PLASTER</u>			
	<u>Two coats plaster with smooth Rhinolight finish on brickwork</u>			
4	On brick walls	m2	1,621	
5	On narrow widths	m2	162	
	<u>Two coats plaster with smooth Rhino light finish on partitioning, Ceiling, etc.</u>			
6	Soffit below ceilings to be ryhinolite	m2	415	
	<u>GRANOLITHIC FINISH</u>			
	Carried Forward			R
	Section No. 2 Bill No. 13 Plastering			
	By Botsang and Associates Consulting (PTY) Ltd			

		Brought Forward		R
7	<p><u>Untinted granolithic finish</u></p> <p>150mm High coved skirting against walls.</p>	m	125	
<p>Carried Forward to Summary of Section No. 2</p> <p>Section No. 2 Bill No. 13 Plastering</p> <p>By Botsang and Associates Consulting (PTY) Ltd</p>				R

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Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 14</u>			
	<u>TILING</u>			
	<u>NOTES:</u>			
	Tenderers are advised to study the "specification of materials and methods to be used" (EP/ASC Revision 0)			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	Description of tiles shall be deemed to include straight and splayed cutting and waste			
	<u>WALL TILING</u>			
	<u>White Glazed tiles: size 200 x 200 x 6mm (P.C allowance of R 100.00/m2 excludes V.A.T. but includes delivery to site), includes waste, laying, supply and fixing with an approved adhesive and jointing in tinted "Tal" grout to:</u>			
1	On walls	m2	265	
2	On narrow widths	m2	27	
3	On splashbacks, etc.	m2	112	
	<u>FLOOR TILING IN PATTERNS</u>			
	<u>FLF-235 1200 x 600mm Porcelain Floor Tiles 1200 x 600mm x 12mm thick, full bodied porcelain floor tiles bedded on cement based powder adhesive and self-levelling screed topping. (P.C allowance of R 150.00/m2 excludes V.A.T. but includes delivery to site), Thickness within a range recommended by the manufacturer. Grouting to be cement based powder grout with 3mm max. Joint width in accordance with the tile manufacturer 's recommendations. Colour to architect's approval.</u>			
4	On floors	m2	260	
	Carried Forward			R
	Section No. 2 Bill No. 14 Tiling			
	By Botsang and Associates Consulting (PTY) Ltd			

**Construction of the Seeding Community Hall
for the Ga-Segonyana Municipality**

		Brought Forward		R
5	In narrow widths	m2	35	
	<u>FLF-232: 600 x 600mm Porcelain Floor Tiles 600 x 600mm x 12mm thick full bodied porcelain floor tiles. Colour to architect's approval. (P.C allowance of R 100.00/m2 excludes V.A.T. but includes delivery to site). Bedded on cement based powder adhesive and thickness within a range recommended by the manufacturer. Grouting to be cement based powder grout with 3mm max joint width in accordance with the tile manufacturer's recommendations. Colour to architect's approval. to:</u>			
6	On floors	m2	224	
7	In narrow widths	m2	26	
	<u>SKIRTINGS, ETC</u>			
8	300mm x 300mm full body on adhesive to supplier's specification	m	1,230	
Carried Forward to Summary of Section No. 2				
Section No. 2				R
Bill No. 14				
Tiling				
By Botsang and Associates Consulting (PTY) Ltd				

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Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 15</u>			
	<u>PLUMBING AND DRAINAGE (PROVISIONAL)</u>			
	<u>PREAMBLES</u>			
	<u>NOTES:</u>			
	Tenderers are advised to study the "specification of materials and methods to be used" (EP/ASC Revision 0)			
	<u>RAINWATER GOODS</u>			
	<u>125mm x 100mm x 0.6mm thick galvanised steel gutter and down pipes fixed to manufacture's details</u>			
1	Rectangular section eaves gutters with 20mm overlapping joints sealed with and including bitumen impregnated foam plastic joint sealing strip and riveted at 20mm centres	m	63	
2	Extra for stopped end	No	6	
3	Extra over for outlet for 100mm diameter uPvc downpipe	No	6	
	<u>uPVC or equally approved / galvanised rainwater pipe. to the eng's spec.</u>			
4	100mm Diameter Rainwater down pipes build into concrete coloumns	m	75	
5	Extra for shoe	No	6	
6	Extra over downpipe for 600 mm eaves offset	No	6	
	<u>"Fullbore" cast iron outlets including joint to uPVC pipes, adaptors, etc.:</u>			
7	150mm Diameter side type outlet with domical grating, jointed to uPVC pipe and set in top of concrete slab.	No	8	
	Carried Forward			R
	Section No. 2 Bill No. 15 Plumbing and Drainage (provisional)			
	By Botsang and Associates Consulting (PTY) Ltd			

**Construction of the Seeding Community Hall
for the Ga-Segonyana Municipality**

		Brought Forward		R
<u>SANITARY FITTINGS</u>				
8	Vitreous china close coupled wash-down suite colour: white, comprising 90Deg. outlet open rim pan and matching 6 litre top dual flush cistern including lid and fittings, with thermo-set seat.	No	8	
9	Ceramic fire clay drop-in vanity basin, colour: white, size 595 x 455mm including chain stay hole fitted into opening in vanity top (elsewhere specified) and sealed with silicone sealant where basin rim meets vanity top.	No	12	
<u>GRAB RAILS, etc.</u>				
10	<u>Grab rail, All stainless steel grab rails to have concealed fixings. To be fixed in position to manufactures specification and details.</u>	No	2	
<u>SHOWER HEADS, etc.</u>				
<u>Stop tap with arm and shower rose or similar, complete.</u>				
11	Shower heads, etc.	No	2	
<u>URINALS, ETC</u>				
<u>White vitreous china wall mounted top inlet size 600 x 385 x 380mm including 38mm chromium plated domical grating, flush valve, fixed on and including two hanger brackets and urinal division fixed with and including fixing screws and hanger bracket, etc.</u>				
12	Urinal, complete, etc.	No	3	
<u>CHROME PLATED WASTE UNIONS, ETC. (Supply & Fit)</u>				
13	32mm Basin waste union	No	6	
14	38mm Sink waste union	No	4	
<u>WASTE UNIONS, TRAPS ETC.</u>				
		Carried Forward		R
Section No. 2 Bill No. 15 Plumbing and Drainage (provisional)				
By Botsang and Associates Consulting (PTY) Ltd				

**Construction of the Seeding Community Hall
for the Ga-Segonyana Municipality**

Brought Forward			R
<u>The following sanitary fittings to SABS specifications, etc.</u>			
15	32mm Chromium plated bottle trap.	No	6
16	38mm Shower "P" trap.	No	7
17	40mm Urinal "P" trap fixed to 40mm uPVC pipe.	No	9
<u>Rubber</u>			
18	40 x 40mm Deep seal "P" or "S" trap	No	6
19	32mm Deep seal flexitrap.	No	4
20	38mm Combination "S" trap.	No	8
<u>Gulleys:</u>			
21	200 x 200mm gulley assembly and joining to fitting and Upvc pipe.	No	4
<u>WASTE UNIONS, ETC. (Supply & Fit)</u>			
22	32mm Basin waste union	No	8
23	38mm Sink waste union	No	6
<u>Chromium plated</u>			
24	Chromium plated bottle trap, etc.	No	8
25	Anti-theft plug	No	7
<u>TAPS, VALVES, ETC</u>			
26	Basin mixer - Short, etc.	No	8
27	15mm raised nose pillar taps	No	6
28	15mm 121RB stopcock	No	4
29	20mm 131RB stopcock	No	3
30	50mm 1001/125RB fullway gate valve	No	5
Carried Forward			R
Section No. 2 Bill No. 15 Plumbing and Drainage (provisional)			
By Botsang and Associates Consulting (PTY) Ltd			

**Construction of the Seeding Community Hall
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Brought Forward			R
31	Shower mixer including arm and head or similar approved	No	4
<u>Sundries</u>			
32	15mm Halfway ball-o-stop and joints to copper pipe	No	4
33	35mm In-line strainer	No	6
34	22mm Masterflo I pressure reducing valve	No	2
<u>Testing</u>			
35	Allow for testing the whole of the water supply installation		Item
<u>SINKS, etc.</u>			
<u>Standard double bowl sink 1850 x 650 x 1060mm high with tublagalvanised rack unit, type to be installed to manufacturer's details and specification, complete with fitments and fixings. etc.</u>			
36	Galvanised rack Sink, complete.	No	2
<u>SANITARY PLUMBING</u>			
<u>Upvc pipes</u>			
37	40mm pipes fixed to walls, concrete, etc	m	260
38	50mm pipes fixed to walls, concrete, etc	m	450
39	110mm pipes fixed to walls, concrete, etc	m	420
<u>Extra over pipes for fittings</u>			
40	40mm Plain Bend	No	6
41	40mm Access bend	No	4
42	40mm Junction	No	4
43	40mm diameter 2 way vent valve	No	3
Carried Forward			R
Section No. 2 Bill No. 15 Plumbing and Drainage (provisional)			
By Botsang and Associates Consulting (PTY) Ltd			

**Construction of the Seeding Community Hall
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			Brought Forward		R
44	50mm Bend	No		6	
45	50mm Junction	No		5	
46	50mm Access bend	No		6	
47	50mm Access Junction	No		5	
48	110mm Access bend	No		4	
49	110mm Plain bend	No		3	
50	110mm Pan connector	No		4	
51	110mm Reducing junction	No		6	
52	100mm diameter Two way vent valve	No		4	
	<u>Testing</u>				
53	Allow for testing the whole of the sanitary plumbing installation			Item	
	<u>WATER SUPPLY</u>				
	<u>HOT AND COLD WATER AND FIRE SERVICE RETICULATIONS</u>				
	<u>Medium class galvanised steel pipes/copper to SABS 62, with screwed ends, to walls , etc.:</u>				
54	15mm Diameter pipe.	m		268	
55	20mm Diameter pipe.	m		310	
56	25mm Diameter pipe.	m		315	
	<u>Extra over galvinised steel/copper pipes for screwed fittings:</u>				
57	15mm Fitting.	No		6	
58	20mm Fitting.	No		10	
59	25mm Fitting.	No		6	
			Carried Forward		R
	Section No. 2 Bill No. 15 Plumbing and Drainage (provisional)				
	By Botsang and Associates Consulting (PTY) Ltd				

**Construction of the Seeding Community Hall
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Brought Forward			R
	<u>Laid in ground not exceeding 1m deep including excavations, bedding, backfilling, compaction and disposal of surplus material:</u>		
60	25mm Diameter pipe.	m	260
	<u>Extra over uPVC pipes for uPVC solvent weld or ring seal fittings:</u>		
61	32mm Plain bend.	No	8
62	32mm Access bend.	No	6
63	40mm Plain bend.	No	8
64	40mm Access bend.	No	4
65	40mm Access junction.	No	5
	<u>TESTING</u>		
66	Testing water pipe system		Item
	<u>FIRE FIGHTING EQUIPMENT</u>		
	<u>Extinguishers including initial charge and setting up in position:</u>		
67	9kg dry chemical powder fire extinguisher	No	4
68	Fire hose reel with 30m plastic hose, chromium plated stopcock, shut-off nozzle and wall bracket	No	2
	<u>ELECTRIC WATER HEATERS</u>		
69	10 Litre floor/wall electric water heater, etc.	No	1
70	100 Litre electric water heater in ceiling including for geyser tray, all hot and cold water pipework and fittings, pressure reducing valves, vacuum breakers, in-line strainers, overflow pipes, etc	No	2
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 15			
Plumbing and Drainage (provisional)			
By Botsang and Associates Consulting (PTY) Ltd			

**Construction of the Seeding Community Hall
for the Ga-Segonyana Municipality**

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO. 2</u></p> <p><u>BILL NO. 16</u></p> <p><u>GLAZING</u></p> <p><u>PREAMBLES</u></p> <p><u>NOTES:</u></p> <p>Tenderers are advised to study the "specification of materials and methods to be used" (EP/ASC Revision 0)</p> <p>All glazing to comply with SABS 1263 Part 3:1998. Light and ventilation to comply with Part O if NBR 0400</p> <p><u>TOPS, SHELVES, DOORS, MIRROR ETC</u></p> <p><u>4 mm Silvered float glass copper backed mirrors with polished bevelled edges fixed with double sided adhesive tape to and including painted supawood sub-frame approximately 350 x 900 mm fixed to and including galvanised angle section cleats/brackets</u></p>			
1	MIR-112: 600mm Mirror : 600 x 600mm plate glass mirror glass with bevelled edges, fixed with double sided tape.	No	2	
2	MIR-113: 900mm Mirror: 600 x 900mm plate glass mirror glass with bevelled edges fixed with double sided tape.	No	6	
3	MIR-114: 900mm Mirror - Full Width : 900mm x full width Plate glass mirror glass bathroom vanity with bevelled edges fixed with double sided tape.	No	4	
	Carried Forward to Summary of Section No. 2			R
	Section No. 2 Bill No. 16 Glazing			
	By Botsang and Associates Consulting (PTY) Ltd			

**Construction of the Seeding Community Hall
for the Ga-Segonyana Municipality**

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 17</u>			
	<u>PAINTWORK</u>			
	<u>PREAMBLES</u>			
	<u>NOTES:</u>			
	Tenderers are advised to study the "specification of materials and methods to be used" (EP/ASC Revision 0)			
	<u>PAINTWORK ETC TO NEW WORK</u>			
	<u>ON FLOATED PLASTER</u>			
	<u>Prepare and apply one coat professional plaster primer and two coats acrylic PVA paint suitable for washing with a mild detergent and with a mat finish. Provide 1 coat alkaline resistant 100% pure acrylic fillercoat. Spread rate 6m square per liter.</u>			
1	On internal walls	m2	1,621	
2	On narrow widths not exceeding 300 mm wide	m2	162	
	<u>ON WOOD</u>			
	<u>Three coats clear varnish</u>			
3	On doors - (Internal-External)	m2	210	
	<u>METAL SURFACES</u>			
	<u>Spot priming defects in pre primed surfaces with zinc phosphate metal primer, one coat universal undercoat and two polyurethane velvet enamel paint</u>			
4	On door frames	m2	125	
5	Balustrades, etc (both sides measured over the full flat area)	m2	120	
	Carried Forward			R
	Section No. 2 Bill No. 17 Paintwork			
	By Botsang and Associates Consulting (PTY) Ltd			

**Construction of the Seeding Community Hall
for the Ga-Segonyana Municipality**

Bill No	<u>SECTION SUMMARY - Seeding Hall Community</u>	Page No	Amount
1	Earthworks (provisional)	52	
2	Concrete, Formwork and Reinforcement	55	
3	Precast Concrete	56	
4	Masonry	58	
5	Waterproofing	60	
6	Roof Coverings	61	
7	Carpentry and Joinery	64	
8	Ceilings, Partitioning and access flooring	66	
9	Floor Coverings, Wall Linings, etc.	67	
10	Ironmongery	68	
11	Metalwork	72	
12	Structural Steelwork	75	
13	Plastering	77	
14	Tiling	79	
15	Plumbing and Drainage (provisional)	85	
16	Glazing	86	
17	Paintwork	88	
	Carried to Final Summary		
	Section No. 2		R
	By Botsang and Associates Consulting (PTY) Ltd		

**Construction of the Seeding Community Hall
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Item No		Quantity	Rate	Amount
	<u>SECTION NO. 3</u>			
	<u>BILL NO. 1</u>			
	<u>EXTERNAL WORKS (PROVISIONAL)</u>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Nature of ground</u>			
	The nature of the ground is assumed to be loose sandy material, therefore "earth", but possibly interspersed with "hard rock" or "soft rock"			
	<u>PAVING</u>			
	<u>Foundations</u>			
	<u>Excavation, Filling, etc</u>			
	<u>Excavation in earth not exceeding 1.5m deep</u>			
1	300mm deep to remove topsoil and stockpile on site to reuse in beams	m3	105	
	<u>Extra over all excavations for carting away</u>			
2	Surplus material from excavation and/or stock piles on site to a dumping site to be located by the contractor	m3	105	
	<u>Extra over bulk excavations in earth for excavation in</u>			
3	Soft rock	m3	71	
4	Hard rock	m3	71	
	<u>Earth filling supplied by the contractor under paving, etc</u>			
5	Construct berm from stockpiled material with 93% compaction	m3	105	
6	Oversite of 150mm G5 imported material selected gravel material with 95% compaction	m3	105	
	Carried Forward			R
	Section No. 3 Bill No. 1 External works			
	By Botsang and Associates Consulting (PTY) Ltd			

**Construction of the Seeding Community Hall
for the Ga-Segonyana Municipality**

Brought Forward				R
<u>Precast concrete finished smooth on exposed surfaces including bedding, jointing and pointing</u>				
13	Vertical mountable barrier kerb 150 x 250mm high figure 7 with 150 x 150 x 300mm unreinforced concrete haunching at back of each joint, with 1:4 cement mortar bed of size 400 x 40mm high, including excavation, backfilling, etc	m	150	
<u>Concrete</u>				
14	Concrete edge beam of 20Mpa/19mm cast against excavated surfaces, etc.	m	120	
<u>MAIN HOLE, etc</u>				
<u>Shallow type manhole not exceeding 2000mm deep to invert level formed of precast concrete components all bedded and joined with approved watertight joints, the chamber comprising 1050mm internal diameter x 67mm wall thickness rings, the bottom ring set on and including 100mm thick 20Mpa/19mm mass concrete base projecting 75mm behind external face of chamber ring and sealed to ring with 75mm wide x 125mm high 20Mpa/19mm mass concrete triangular fillet complete with precast concrete medium duty cover and frame comprising 125mm thick x 67kg frame and 125mm thick x 66kg cover, complete with and including necessary step irons, 20Mpa/19mm mass concrete benching in bottom with top surface to falls and finish smooth with (1:1) cement plaster, 150mm vitrified clay channels, channel bends, channel junctions, etc. additional excavations and backfilling compacted to 93% modified AASHTO density</u>				
15	Manhole exceeding 1000mm and not exceeding 1500mm deep	No	3	
<u>REINFORCED CONCRETE</u>				
<u>25MPa/19mm Concrete:</u>				
16	In Footing for Water tank support	m3	30	
<u>STEEL FOR WATER TANK SUPPORT</u>				
Carried Forward				R
Section No. 3 Bill No. 1 External works				
By Botsang and Associates Consulting (PTY) Ltd				

**Construction of the Seeding Community Hall
for the Ga-Segonyana Municipality**

		Brought Forward		R
		<u>Steel Structure for Water Jojo Tank Support</u>		
17	Steel for water tank support		Item	
		<u>JOJO TANK</u>		
		<u>Supply and Installation of The 10 000L JoJo Tanks, inclusive of 1.1 booster pump with controller, pump cover, suction hose kit 32mm, float valve kit, etc.</u>		
18	Supply and Install Jojo Tank, including water pumps, etc.	No	2	
		<u>SEPTIC TANK</u>		
		<u>Construction of the Septic tank, including tanks inlet and out let pipes, transfer pipes between internal chambers, vent pipes and access main hole so that tank can be maintained and cleaned out., this per the engineer, etc.</u>		
19	Tank, etc.		Item	
		<u>Bulk Excavation for tank</u>		
20	Excavate in all materials for open face excavation for the tank, backfill, compact and dispose of surplus materials as ordered	m3	68	
		<u>Mass concrete with a coarse aggregate of 19mm and a minimum compressive strength of 20Mpa at 28 days</u>		
21	Base Concrete for tank	m3	58.00	
		<u>Filling:</u>		
22	Filling (G6) from excavations to sides of tank, etc., compacted to 95% modified AASHTO density	m3	45	
		<u>GUARD ROOM</u>		
		<u>Allow for the Guard room, specifications and drawings to the Architect, (measurements to be confirmed on site)</u>		
23	Guard room (allowance for profit and attendance, all inclusive)		Item	
		Carried Forward		R
	Section No. 3 Bill No. 1 External works			
	By Botsang and Associates Consulting (PTY) Ltd			

**Construction of the Seeding Community Hall
for the Ga-Segonyana Municipality**

Brought Forward			R
	<u>Supply and install 1.1m x 1.8m high security gate Type 'B' including corrosion protection (galvanising), gate posts, struts, to match above fence , padlocked. Also refer specification supplied for Steel Fencing.</u>		
29	Single Gate	No	2
30	Manual Operated Double Gate	No	1
Carried to Final Summary			R
Section No. 3			
Bill No. 1			
External works			
By Botsang and Associates Consulting (PTY) Ltd			

**Construction of the Seeding Community Hall
for the Ga-Segonyana Municipality**

Section No	<u>FINAL SUMMARY</u>	Page No	Amount
1	Preliminaries and General	49	
2	Seeding Hall Community	89	
3	External Works	95	
	Sub-total - 1		R
	ELECTRICAL INSTALLATION (Brought forward - Part B) - to be confirmed by Engineer (Value-Added Tax Excluded)	Item	
	Sub-total - 2		R
	<u>CONTINGENCIES</u>		
	Allow for Four Percent (4%) on the sub-total above for Contingencies to be used at the discretion of the Principal Agent and to be deducted in whole or in part if not required		R
	Sub-total - 3		R
	Value Added Tax (15%)		R
	TOTAL TO TENDER		R
	Carried to Form of Tender		R
	By Botsang and Associates Consulting (PTY) Ltd		