

Item No		Quantity	Rate	Amount
	<p><u>SECTION 1</u></p> <p><u>BILL NO. 1</u></p> <p><u>PRELIMINARIES AND GENERAL</u></p> <p><u>BUILDING AGREEMENT AND PRELIMINARIES</u></p> <p>The JBCC Principal Building Agreement (Edition 4.1 - March 2005) prepared by the Joint Building Contracts Committee shall be the applicable building agreement, amended as hereinafter described</p> <p>The JBCC Principal Building Agreement contract data form an integral part of this agreement</p> <p>The JBCC General Preliminaries (May 2018) published by the Joint Building Contracts Committee for use with the JBCC Principal Building Agreement (Edition 4.1 - March 2005) shall be deemed to be incorporated in these bills of quantities, amended as hereinafter described</p> <p>The contractor is deemed to have referred to the above mentioned documents for the full intent and meaning of each clause</p> <p>The clauses in the above mentioned documents are hereinafter referred to by clause number and heading only</p> <p>Where any item is not relevant to this agreement such item is marked N/A signifying "not applicable"</p> <p>Where standard clauses or alternatives are not entirely applicable to this agreement such amendments, modifications, corrections or supplements as will apply are given under each relevant clause heading and such amendments, modifications, corrections or supplements shall take precedence notwithstanding anything to the contrary contained in the above mentioned documents</p>			
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PREAMBLES FOR TRADES

The General Preambles for Trades 2017 published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these **bills of quantities** and no claims arising from brevity of description of items fully described in the said General Preambles will be entertained

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

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

STRUCTURE OF THIS PRELIMINARIES BILL

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

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

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

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)

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SECTION A: PRINCIPAL BUILDING AGREEMENT

Interpretation (A1-A7)

1 Clause 1.0 - Definitions and interpretation

Pricing of bills of quantities

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**

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

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

Abbreviated descriptions

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<p>The items in these bills of quantities utilise abbreviated descriptions. It is the intention that the abbreviated descriptions be fully described when read with the applicable measuring system and the relevant preambles and/or specifications. However, should the full intent and meaning of any description not be clear, the contractor shall, before submission of his tender, call for a written directive from the principal agent, failing which it shall be assumed that the contractor has allowed in his pricing for materials and workmanship in terms of international best practice</p> <p>Legal status of contractor</p> <p>If the contractor constitutes a joint venture, consortium or other unincorporated grouping of two or more persons then:</p> <ol style="list-style-type: none"> 1. These persons are deemed to be jointly and severally liable to the employer for the performance of this agreement 2. These persons shall notify the employer of their leader who has assigned authority to bind the contractor and each of these persons 3. The contractor shall not alter its composition or legal status without the prior written consent of the employer <p>F:..... V:..... T:.....</p>				Item	
2	Clause 2.0 - Law , regulations and notices				Item
	F:..... V:..... T:.....				
3	Clause 3.0 - Offer and acceptance				Item
	F:..... V:..... T:.....				
4	Clause 4.0 - Cession and assignment				Item
	F:..... V:..... T:.....				
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5	<p>Clause 5.0 - Documents</p> <p>Value Added Tax</p> <p>Provision is made in the summary page of these bills of quantities for the inclusion of Value Added Tax (VAT)</p> <p>Priced document as specification</p> <p>Clause 5.4 is deemed to be deleted</p> <p>The principal agent shall decide which portion of the priced document may be used as a specification of materials and goods or methods, if any</p> <p>F:..... V:..... T:.....</p>	Item	
6	<p>Clause 6.0 - Employer's agents</p> <p>1.1 Duties [6.2] :</p> <p>The architect is responsible for the architectural design, functional design and quality inspection of the works</p> <p>1.2 Contract instructions [6.2; 17.1] :</p> <p>1.2.1 Rectification of discrepancies, errors in description or quantity or omission of items in the agreement other than in the JBCC Principal Building Agreement</p> <p>1.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works</p> <p>1.2.3 The site [13.0]</p> <p>1.2.4 Compliance with the law, regulations and by laws [2.1]</p> <p>1.2.5 Provision and testing of samples of materials and goods and/or of finishes and assemblies of elements of the works</p>		
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1.2.6	Opening up of work for inspection, removal or re-execution [23.2.4; 26.4.2]		
1.2.7	Removal or re-execution of work		
1.2.8	Removal or substitution of any materials and goods		
1.2.9	Protection of the works		
1.2.10	Making good physical loss and repairing damage to the works [23.2.2]		
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 , 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	Work by direct contractors [16.0]		
1.2.16	On suspension or termination, protection of the works , removal of construction equipment and surplus materials and goods [29.0]		
2.	<u>Quantity surveyor</u>		
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2.1 Duties [6.2] :			
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 [6.2; 17.1] :			
3. <u>Civil and structural engineer</u>			
3.1 Duties [6.2] :			
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 [6.2; 17.1] :			
3.2.1 Rectification of discrepancies, errors in description or quantity or omission of items in the agreement other than in the JBCC Principal Building Agreement			
3.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works			
3.2.3 The site [13.0]			
3.2.4 Compliance with the law , regulations and by laws[2.1]			
3.2.5 Provision and testing of samples of materials and goods and/or of finishes and assemblies of elements of the works			
3.2.6 Opening up of work for inspection, removal or re-execution [23.2.4; 26.4.2]			
3.2.7 Removal or re-execution of work			
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3.2.8 Removal or substitution of any materials and goods		
3.2.9 Protection of the works		
3.2.10 Making good physical loss and repairing damage to the works [23.2.2]		
3.2.11 Rectification of defects [21.2]		
3.2.12 A list for practical completion specifying outstanding or defective work to be rectified to achieve practical completion , a list for completion and a list for final completion specifying outstanding or defective work to be rectified to achieve final completion		
3.2.13 Expenditure of budgetary allowances, prime cost amounts and provisional sums		
4. <u>Mechanical engineer</u>		
4.1 Duties [6.2] :		
The mechanical engineer is responsible for all aspects of mechanical engineering design and quality inspection of the works and, where appointed by the employer for quantity surveying services in respect of the mechanical installations, for all measurements, valuations, financial assessments and all other quantity surveying and cost control functions		
4.2 Contract instructions [6.2; 17.1] :		
4.2.1 Rectification of discrepancies, errors in description or quantity or omission of items in the agreement other than in the JBCC Principal Building Agreement		
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		
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4.2.3 Compliance with the law , regulations and by laws [2.1]			
4.2.4 Provision and testing of samples of materials and goods and/or of finishes and assemblies of elements of the works			
4.2.5 Opening up of work for inspection, removal or re-execution [23.2.4; 26.4.2]			
4.2.6 Removal or re-execution of work			
4.2.7 Removal or substitution of any materials and goods			
4.2.8 Protection of the works			
4.2.9 Making good physical loss and repairing damage to the works [23.2.2]			
4.2.10 Rectification of defects [21.2]			
4.2.11 A list for practical completion specifying outstanding or defective work to be rectified to achieve practical completion , a list for completion and a list for final completion specifying outstanding or defective work to be rectified to achieve final completion			
4.2.12 Expenditure of budgetary allowances, prime cost amounts and provisional sums			
5. <u>Electrical engineer</u>			
5.1 Duties [6.2] :			
The electrical engineer is responsible for all aspects of electrical engineering design and quality inspection of the works and, where appointed by the employer for quantity surveying services in respect of the electrical installations, for all measurements, valuations, financial assessments and all other quantity surveying and cost control functions			
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5.2 Contract instructions [6.2; 17.1] :	
5.2.1 Rectification of discrepancies, errors in description or quantity or omission of items in the agreement other than in the JBCC Principal Building Agreement	
5.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works	
5.2.3 Compliance with the law , regulations and by laws [2.1]	
5.2.4 Provision and testing of samples of materials and goods and/or of finishes and assemblies of elements of the works	
5.2.5 Opening up of work for inspection, removal or re-execution [23.2.4; 26.4.2]	
5.2.6 Removal or re-execution of work	
5.2.7 Removal or substitution of any materials and goods	
5.2.8 Protection of the works	
5.2.9 Making good physical loss and repairing damage to the works [23.2.2]	
5.2.10 Rectification of defects [21.2]	
5.2.11 A list for practical completion specifying outstanding or defective work to be rectified to achieve practical completion , a list for completion and a list for final completion specifying outstanding or defective work to be rectified to achieve final completion	
5.2.12 Expenditure of budgetary allowances, prime cost amounts and provisional sums	
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6. <u>Wet services engineer</u>			
6.1 Duties [6.2] :			
The wet services engineer is responsible for all aspects of wet services engineering design and quality inspection of the works			
6.2 Contract instructions [6.2; 17.1] :			
6.2.1 Rectification of discrepancies, errors in description or quantity or omission of items in the agreement other than in the JBCC Principal Building Agreement			
6.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works			
6.2.3 Compliance with the law , regulations and by laws [2.1]			
6.2.4 Provision and testing of samples of materials and goods and/or of finishes and assemblies of elements of the works			
6.2.5 Opening up of work for inspection, removal or re-execution [23.2.4; 26.4.2]			
6.2.6 Removal or re-execution of work			
6.2.7 Removal or substitution of any materials and goods			
6.2.8 Protection of the works			
6.2.10 Rectification of defects [21.2]			
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6.2.11 A list for practical completion specifying outstanding or defective work to be rectified to achieve practical completion , a list for completion and a list for final completion specifying outstanding or defective work to be rectified to achieve final completion		
6.2.9 Making good physical loss and repairing damage to the works [23.2.2]		
6.2.12 Expenditure of budgetary allowances, prime cost amounts and provisional sums		
7. <u>Fire consultant</u>		
7.1 Duties [6.2] :		
The fire consultant is responsible for all aspects of rational fire design and quality inspection of the works		
7.2 Contract instructions [6.2; 17.1] :		
7.2.1 Rectification of discrepancies, errors in description or quantity or omission of items in the agreement other than in the JBCC Principal Building Agreement		
7.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works		
7.2.3 Compliance with the law , regulations and by laws [2.1]		
7.2.4 Provision and testing of samples of materials and goods and/or of finishes and assemblies of elements of the works		
7.2.5 Opening up of work for inspection, removal or re-execution [23.2.4; 26.4.2]		
7.2.6 Removal or re-execution of work		
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7.2.7 Removal or substitution of any materials and goods		
7.2.8 Protection of the works		
7.2.9 Making good physical loss and repairing damage to the works [23.2.2]		
7.2.10 Rectification of defects [21.2]		
7.2.11 A list for practical completion specifying outstanding or defective work to be rectified to achieve practical completion , a list for completion and a list for final completion specifying outstanding or defective work to be rectified to achieve final completion		
7.2.12 Expenditure of budgetary allowances, prime cost amounts and provisional sums		
8. <u>Health and safety consultant</u>		
8.1 Duties [6.2] :		
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 . He shall:		
8.1.1 Act as the employer's agent in terms of the Construction Regulations issued in terms of the Occupational Health and Safety Act, 1993 as amended		
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		
8.1.4 Carry out regular audits to ensure adherence to the safety plan and compliance with the act and regulations		
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	8.1.5 Stop the execution of the works where the agreed specification or plan is not adhered to		
	F:..... V:..... T:.....	Item	
7	Clause 7.0 - Design responsibility		
	F:..... V:..... T:.....	Item	
	<u>Insurances and securities (A8-A11)</u>		
8	Clause 8.0 - Works risk		
	F:..... V:..... T:.....	Item	
9	Clause 9.0 - Indemnities		
	F:..... V:..... T:.....	Item	
10	Clause 10.0 - Insurances		
	F:..... V:..... T:.....	Item	
11	Clause 11.0 - Securities		
	Guarantee for payment		
	The employer shall provide to the contractor a guarantee for payment in the amount of		
Rand (R.....) [11.5.1]. The contractor shall consequently waive his lien or right of continuing possession of the works [11.10]		
	Extension of waiver of lien		
	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]		
	F:..... V:..... T:.....	Item	
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	<u>Execution (A12 - A17)</u>			
12	<p>Clause 12.0 - Obligations of the parties</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>Statutory and other notices</p> <p>The contractor shall submit and/or comply with all statutory and other notices that may be required by any local or other authority in order not to cause any delay to the commencement of the works by the contractor. The contractor shall pay all deposits or fees in this regard</p> <p>It is, however, specifically recorded that the employer shall be responsible for the timeous approval of building plans by any local or other authorities and the payment of any fees or charges related thereto</p> <p>F:..... V:..... T:.....</p>			Item
13	<p>Clause 13.0 - Setting out</p> <p>F:..... V:..... T:.....</p>			Item
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14	<p>Clause 14.0 - Nominated subcontractors</p> <p>F:..... V:..... T:.....</p>	Item	
15	<p>Clause 15.0 - Selected subcontractors</p> <p>F:..... V:..... T:.....</p>	Item	
16	<p>Clause 16.0 - Direct contractors</p> <p>Attendance on direct contractors</p> <p>In respect of direct contractors the contractor shall:</p> <ol style="list-style-type: none"> 1. Designate an area for the direct contractor to establish a temporary office and workshop and storage of equipment and materials 2. Allow the use of personnel welfare facilities, where provided 3. Provide water, lighting and single phase electric power to a position within 50m of the place where the direct contract work is to be carried out, other than fuel or power for commissioning of any installation 4. Permit the direct contractor to use erected scaffolding, hoisting facilities, etc provided by the contractor, in common with others having the like right, while it remains erected on the site [16.1] <p>F:..... V:..... T:.....</p>	Item	
17	<p>Clause 17.0 - Contract instruction</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>		
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	F:..... V:..... T:.....	Item	
	<u>Completion (A18 - A24)</u>		
18	Clause 18.0 - Interim completion	N/A	
19	Clause 19.0 - Practical completion		
	F:..... V:..... T:.....	Item	
20	Clause 20.0 - Completion in sections		
	F:..... V:..... T:.....	Item	
21	Clause 21.0 - Defects liability period and final completion		
	F:..... V:..... T:.....	Item	
22	Clause 22.0 - Latent defects liability period		
	F:..... V:..... T:.....	Item	
23	Clause 23.0 - Revision of the date for practical completion		
	Substitution of materials and goods		
	The removal or substitution of any materials and goods which do not conform to the specification or the contract drawings shall not constitute grounds for the extension of the construction period nor for the adjustment of the contract value [17.1.8; 23.1 & 2]		
	F:..... V:..... T:.....	Item	
24	Clause 24.0 - Penalty for late or non-completion		
	F:..... V:..... T:.....	Item	
	<u>Payment (A25 - A27)</u>		
25	Clause 25.0 - Payment		
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	<p>Prices submitted</p> <p>Where prices are submitted by the contractor or subcontractor during the progress of the works in respect of contract instructions or in regard to a claim under the terms of this agreement and notwithstanding the fact that such prices may be used in an interim payment certificate, there is to be no presumption of acceptance. Should the principal agent wish to accept any such prices prior to the issue of the certificate of final completion, it shall be in writing</p> <p>F:..... V:..... T:.....</p>	Item	
26	<p>Clause 26.0 - Adjustment of the contract value and final account</p> <p>Fluctuations in costs</p> <p>All fluctuations in costs, with the exception of fluctuations in the rate of Value Added Tax, shall be for the account of the contractor [26.9.5]</p> <p>Tenant installation/user requirements delayed</p> <p>There is a possibility that certain works related to tenant installation/user requirements may have to be delayed and may consequently not be executed prior to practical completion</p> <p>Should the contractor be instructed to do so he shall execute this work under the conditions pertaining to this agreement on the basis that a separate amount for preliminaries appurtenant to this work (if applicable) is agreed to between the contractor and the principal agent and on condition that instruction to proceed with such work is given to him within a period of three (3) calendar months after the date of practical completion of the works</p> <p>The employer reserves the right to omit such work without compensation to the contractor for loss of profit or any other loss which the contractor may suffer as a result of such omission</p>		
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	<p>Cost of claims</p> <p>All costs incurred by the contractor in the preparation of claims shall be borne by the contractor. This provision shall not preclude an adjudicator or an arbitrator appointed in terms of this agreement [30.6 & 7] from making a determination on costs</p> <p>Claims from subcontractors</p> <p>The contractor shall review, assess and adjudicate any claims received by him from any subcontractor and thereafter submit same to the principal agent with a recommendation in order to assist the principal agent in adjudicating the claim [26.6]</p> <p>F:..... V:..... T:.....</p>	Item	
27	<p>Clause 27.0 - Recovery of expense and/or loss</p> <p>F:..... V:..... T:.....</p>	Item	
	<p><u>Suspension and termination (A28 - A29)</u></p>		
28	<p>Clause 28.0 - Suspension by the contractor</p> <p>F:..... V:..... T:.....</p>	Item	
29	<p>Clause 29.0 - Termination</p> <p>F:..... V:..... T:.....</p>	Item	
	<p><u>Dispute resolution (A30)</u></p>		
30	<p>Clause 30.0 - Dispute resolution</p> <p>F:..... V:..... T:.....</p>	Item	
31	<p><u>Agreement</u></p>		
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	The required information of the parties and the amount of the contract sum shall be inserted in the agreement for signature of the agreement by the parties			
	F:..... V:..... T:.....	Item		
32	<u>Contract data</u>			
	Tenderer's selections			
	Before submission of his tender the contractor is to complete the tenderer's selections in the contract data			
	F:..... V:..... T:.....	Item		
	<u>Definitions and interpretation (B1)</u>			
33	Clause 1.1 - Definitions			
	F:..... V:..... T:.....	Item		
34	Clause 1.2 - Interpretation			
	F:..... V:..... T:.....	Item		
	<u>Documents (B2)</u>			
35	Clause 2.1 - Checking of documents			
	F:..... V:..... T:.....	Item		
36	Clause 2.2 - Provisional bills of quantities			
	F:..... V:..... T:.....	Item		N/A
37	Clause 2.3 - Availability of construction information			
	F:..... V:..... T:.....	Item		
38	Clause 2.4 - Ordering of materials and goods			
	F:..... V:..... T:.....	Item		
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	<u>Previous work and adjoining properties (B3)</u>			
39	Clause 3.1 - Previous work - dimensional accuracy F:..... V:..... T:.....	Item		
40	Clause 3.2 - Previous work - defects F:..... V:..... T:.....	Item		
41	Clause 3.3 - Inspection of adjoining properties F:..... V:..... T:.....	Item		
	<u>The site (B4)</u>			
42	Clause 4.1 - Handover of site in stages F:..... V:..... T:.....	Item		
43	Clause 4.2 - Enclosure of the works F:..... V:..... T:.....	Item		
44	Clause 4.3 - Geotechnical and other investigations F:..... V:..... T:.....	Item		
45	Clause 4.4 - Encroachments F:..... V:..... T:.....	Item		
46	Clause 4.5 - Existing premises occupied F:..... V:..... T:.....	Item		
47	Clause 4.6 - Services - known F:..... V:..... T:.....	Item		
	<u>Management of contract (B5)</u>			
48	Clause 5.1 - Management of the works F:..... V:..... T:.....	Item		
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49	Clause 5.2 - Progress meetings F:..... V:..... T:.....	Item	
50	Clause 5.3 - Technical meetings F:..... V:..... T:.....	Item	
	<u>Samples, shop drawings and manufacturer's instructions (B6)</u>		
51	Clause 6.1 - Samples of materials F:..... V:..... T:.....	Item	
52	Clause 6.2 - Workmanship samples F:..... V:..... T:.....	Item	
53	Clause 6.3 - Shop drawings F:..... V:..... T:.....	Item	
54	Clause 6.4 - Compliance with manufacturer's instructions F:..... V:..... T:.....	Item	
	<u>Deposits and fees (B7)</u>		
55	Clause 7.1 - Deposits and fees F:..... V:..... T:.....	Item	
	<u>Temporary services (B8)</u>		
56	Clause 8.1 - Water F:..... V:..... T:.....	Item	
57	Clause 8.2 - Electricity F:..... V:..... T:.....	Item	
	Carried Forward		R
	Section No. 1 Bill No. 1 Preliminaries & General HLULEKA CHALETS & VIEWING DECK		

	Brought Forward			R
58	Clause 8.3 - Ablution and welfare facilities F:..... V:..... T:.....	Item		
59	Clause 8.4 - Communication facilities F:..... V:..... T:.....	Item		
	<u>Prime cost amounts (B9)</u>			
60	Clause 9.1 - Responsibility for prime cost amounts F:..... V:..... T:.....	Item		
	<u>Attendance on subcontractors (B10)</u>			
61	Clause 10.1 - General attendance F:..... V:..... T:.....	Item		
62	Clause 10.2 - Special attendance F:..... V:..... T:.....	Item		
	<u>General (B11)</u>			
63	Clause 11.1 - Protection of the works F:..... V:..... T:.....	Item		
64	Clause 11.2 - Protection/isolation of existing works and works occupied in sections F:..... V:..... T:.....	Item		
65	Clause 11.3 - Security of the works F:..... V:..... T:.....	Item		
66	Clause 11.4 - Notice before covering work F:..... V:..... T:.....	Item		
67	Clause 11.5 - Disturbance			
	Carried Forward			R
	Section No. 1 Bill No. 1 Preliminaries & General HLULEKA CHALETS & VIEWING DECK			

	Brought Forward		R
	<p>Disturbance</p> <p>All work is to be carried out in such a manner as to cause no unacceptable or unreasonable dust, noise, vibrations, nuisance, inconvenience, annoyance and the like to the public, others, other properties and traffic in so far as they exceed the permissible limitations set by government legislation or by the local authority. Any delays, stoppages and the like arising from or in order to comply with the above will not constitute grounds for an adjustment to the construction period or contract value whatsoever</p> <p>F:..... V:..... T:.....</p>	Item	
68	<p>Clause 11.6 - Environmental disturbance</p> <p>Controlling all forms of pollution</p> <p>The contractor shall be responsible for and take all precautions in controlling by whatever means necessary all forms of pollution emanating from the site during the construction period due inter alia to noise, artificial light, wind-blown sand, dust, deposits of mud, etc</p> <p>The contractor is to ensure that all roads which border the site and are used by the contractor during the execution of the works are kept clean and free of any dirt or debris caused by the execution of the works</p> <p>Environmental management plan</p> <p>The employer has prepared an environmental management plan (EMP). The contractor shall price opposite this item for compliance with all the requirements of such EMP</p> <p>F:..... V:..... T:.....</p>	Item	
69	<p>Clause 11.7 - Works cleaning and clearing</p> <p>F:..... V:..... T:.....</p>	Item	
	Carried Forward		R
	<p>Section No. 1 Bill No. 1 Preliminaries & General HLULEKA CHALETS & VIEWING DECK</p>		

	Brought Forward		R
70	Clause 11.8 - Vermin F:..... V:..... T:.....	Item	
71	Clause 11.9 - Overhand work F:..... V:..... T:.....	Item	
72	Clause 11.10 - Tenant installations F:..... V:..... T:.....	Item	
73	Clause 11.11 - Advertising F:..... V:..... T:.....	Item	
<u>SECTION C: SPECIFIC PRELIMINARIES</u>			
74	Warranties for materials and workmanship Where warranties for materials and/or workmanship are called for, the contractor shall obtain a written warranty, addressed to the employer , from the entity supplying the materials and/or executing the work and shall deliver same to the principal agent on final completion of the contract The warranty shall state that workmanship, materials and installation are warranted for a specific period from the date of practical completion and that any defects that may arise during the specified period shall be made good at the expense of the entity supplying the materials and/or doing the work, upon written notice to do so The warranty will not be enforced if the work is damaged by defects in the execution of the works , in which case the responsibility for replacement shall rest entirely with the contractor F:..... V:..... T:.....	Item	
Carried Forward			
Section No. 1 Bill No. 1 Preliminaries & General HLULEKA CHALETS & VIEWING DECK			R

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

	Brought Forward		R
78	<p>Propping of floors below</p> <p>The contractor is advised that propping of floors below may be required if he wishes to use any areas of completed suspended reinforced concrete slabs for vehicle access, storage of materials and goods and location of plant, scaffolding, 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	
79	<p>Testing of flat roof waterproofing for water tightness</p> <p>Flat roof waterproof areas shall be flooded and kept "ponded" for at least forty eight (48) hours as a test to ensure the water tightness of the waterproofing and before any further construction work is carried out above the waterproofing</p> <p>F:..... V:..... T:.....</p> <p><u>Note to Quantity Surveyor</u></p> <p>Failure, by the Tenderer, to price the items indicated below individually or per item will result in the Tender being deemed non-responsive. The legal requirements contemplated in the Construction Regulations (CR) 5(1)(g): <i>"A Client must ensure that potential principal contractors submitting tenders, have made adequate provision for the cost of health and safety measures"</i> and CR 5(1)(h) <i>"A client must ensure that principal contractor to be appointed has the necessary competencies and resources to carry out the construction work safely"</i> Shall apply and will be used to motivate the disqualification of the Tender. The contractor's attention is further drawn to Section 41 of the Occupational Health and Safety Act No. 85 Of 1993: This Act not affected by agreements</p> <p><i>Subject to the provisions of sections 10 (4) and 37 (2), a provision of this Act or a condition specified in any notice or direction issued there under or subject to which</i></p>	Item	
	Carried Forward		R
	<p>Section No. 1 Bill No. 1 Preliminaries & General HLULEKA CHALETS & VIEWING DECK</p>		

	Brought Forward		R	
	<p><i>exemption was granted to any person under section 40, shall not be affected by any condition of any agreement, whether such agreement was entered into before or after the commencement of this Act or before or after the imposition of any such condition, as the case may be.</i></p> <p>Note to Principal Contractor</p> <p>Prior to pricing the principal contractor must familiarize him/herself with the Occupational Health and Safety Act No. 85 Of 1993, Construction Regulations 2014, other relevant Regulations and Standards as well as project specific Health & Safety specifications.</p> <p>Note to Principal Contractor and Quantity Surveyor After pricing of the health and safety bill of quantities, the Contractor must sign the Certificate of Acquaintance as evidence that he is au fait regarding the contents, obligations and demands of the Occupational Health and Safety Act No. 85 Of 1993, Construction Regulations 2014, other relevant Regulations and Standards as well as project specific Health & Safety specifications. Failure, by the Tenderer, to sign the Certificate of Acquaintance may result in the Tender being deemed non-responsive.</p>			
80	Notify the provincial director in writing of the commencement of construction work with and including submission of a of receipt and acknowledgement of the aforementioned by the director of his/her representative (Notification or Construction Work Permit)	Item		
81	Allow for the necessary Workman’s Compensation Fund FEM contributions for the duration of the project with and including renewals	Item		
82	Allow for the preparation and approval of project-specific H&S Plan & File [CR 7(1)(a)]	Item		
83	Allow for the implementation and maintenance of project specific H&S Plan & File. [CR 7]	Months	8	
	Carried Forward		R	
	Section No. 1 Bill No. 1 Preliminaries & General HLULEKA CHALETS & VIEWING DECK			

**ECPTA
HLULEKA CHALETS & VIEWING DECK
BILLS OF QUANTITIES**

Brought Forward		R
84	Allow for the appointment of a Full-Time Competent Construction Health & Safety Officer to assist in the control all health and safety related aspects on site as per [CR	
	Months	8
85	Provide for appointment of responsible and competent person/s to manage and supervise the works and administer and enforce health and safety on site as per [CR 8(1),(2), &(7)	
	Months	8
86	Allow for provision of telecommunication facilities for the appointed Construction Health & Safety Officer	
	Months	8
87	Allow for provision of Basic Emergency Preparedness and Response equipment & at least Level 2 First Aider/s	
	Months	8
	<u>Provide, supply and maintenance for each worker the following SANS approved personal protective equipment clothing as per the site-specific risk assessments:</u>	
88	Hard Hats(High Density polyethylene, & 6-point lining)	
	No	
89	Overall/work suit (100%Cotton)	
	No	
90	Safety boots/shoes (Steel-Toe)	
	No	
91	Safety gloves	
	No	
92	Ear Plugs/Muffs	
	No	
93	Dust Mask(at least FF2 type)	
	No	
Carried Forward		R
Section No. 1 Bill No. 1 Preliminaries & General HLULEKA CHALETS & VIEWING DECK		

**ECPTA
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BILLS OF QUANTITIES**

Brought Forward			R
94	Respirators	No	
95	Safety goggles	No	
96	Personal Fall arrest and rescue equipment with and including life lines and associated equipment	No	
97	High visibility reflective vests and/or bibs	No	
98	Temporary handrails ,toe boards other than for access scaffolding	m	
99	Temporary warning signs and symbols	No	
100	SANS approved safety netting (orange colour with minimum of 1,2 meters high)	m	
101	Provision for the supply and maintenance of Road Traffic Signs as in terms of the South African Road Traffic Signs Manual complete		N/A
102	Allow for Pre-employment medical examinations		Item
103	Allow for exit medical examinations.		Item
104	Contractors charges to allow for handling costs and profit in respect of the items (24 & 25)		%
<u>HEALTH AND SAFETY EDUCATION</u>			
105	Allow for HIV/AIDS awareness and Implementation programmes, including STI and TB	Months	8
Carried Forward			R
Section No. 1 Bill No. 1 Preliminaries & General HLULEKA CHALETS & VIEWING DECK			

**ECPTA
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BILLS OF QUANTITIES**

	Brought Forward			R
106	Allow for all compulsory health and safety awareness programme (e.g. Inductions, toolbox Talks, Safety Promoti H&S related training, etc.)	Months	8	
	<u>ENVIRONMENTAL</u>			
107	Provide for adequate handling and storage of materials to minimize contamination of ground, air or water.			SUM
108	Provide for the adequate and safe collection and disposal of waste material from site by an approved method			SUM
109	Provide Facilities and Eating Area for workers.			SUM
110	Provide for rehabilitation on completion of site areas and temporary access routes not covered by construction or landscaping specifications.		Item	
111	Provide for stockpiling of topsoil for re-use		Item	
112	Provide for a Responsible person to prepare and update Method Statements, conduct regular inspections, maintain records, and report to the Principal Agent/Employers SHE Agent.	Months	8	
	<u>COMPULSORY BREAKDOWN FOR THE ADJUSTMENT OF PRELIMINARIES</u>			
	F:..... V:..... T:.....		Item	
	Carried Forward			R
	Section No. 1 Bill No. 1 Preliminaries & General HLULEKA CHALETS & VIEWING DECK			

Brought Forward

R

CERTIFICATE OF ACQUAINTANCE WITH TENDER DOCUMENTS

Name of Company.....

I/We.....

Hereby certify that I/we acquainted ourselves with the Health and Safety Act 85 Of 1993 as well as the Construction Regulations, 2014 and all conditions contained herein as laid down by the State for the carrying out of construction work for which I/We submit our response. I/We further agree that the State shall recognise no claim from me/us for relief based on allegations that I/We overlooked any tender requirements or failed to take into account the purpose of completing the documentation as required.

Signed at..... On this the..... Day..... Of 20

.....
WITNESS

.....
NAME IN BLOCK LETTERS

.....
For and on behalf of Contractor

.....
Contractors Signature

.....
I.D of Signatory

113 Health and safety

Without limiting the generality of the provisions of clause 2.0, the **contractor's** attention is drawn to the provisions of the Construction Regulations issued in terms of the Occupational Health and Safety Act, 1993 as amended. 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]

Carried Forward

R

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**ECPTA
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	Brought Forward		R	
	The contractor shall:			
	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. Cooperate 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			
	F:..... V:..... T:.....	Item		
114	Provision for Covid-19 OHS Act and Construction Regulations (2014)			
115	Preparation of Contractors Site Health and Safety (Once off for the duration of the contract)		SUM	
116	Review of OHS Plan for each assignment. Rate to include for risk assessment specific to the COVID-19 Epidemic and other adjustments to ensure compliance for the assignment		SUM	
117	Principal Contractors Fixed Cost obligation in respect of the OHS Act and Construction regulations		SUM	
	Signage- COVID-19 Related			
118	Principal Contractor's time related obligation in respect of the OHS Act and Construction Regulations	Months		8
	Provision for Personal Protective Equipment & Protective Clothing			
	Carried Forward		R	
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**ECPTA
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BILLS OF QUANTITIES**

	Brought Forward				R
119	Reflective Vests	No			
120	Hard Hats	No			
121	Protective footwear	No			
122	Earplugs	m			
123	Dust Masks	No			
124	Face Mask for COVID-19 respiratory protection (as required)	No			
125	Surgical Gloves (for security and cleaning team)	No			
126	Safety Goggles for screening Person	No			
127	Provision for full time construction Health & Safety Officer	Months	8		
	Costs of medical certificate and Medical Surveillance				
128	Initial (baseline) medical examinations	No			
	Screening for Employees with COVID-19 Symptoms				
129	Exit examinations	No			
130	Re-induction Training for COVID-19				SUM
131	Provision for First Aid Boxes				SUM
132	Non-contact thermometers	m			
	Fixed-Charge items				
133	Contractual requirements	No			
	Carried Forward				R
	Section No. 1				
	Bill No. 1				
	Preliminaries & General				
	HLULEKA CHALETS & VIEWING DECK				

**ECPTA
HLULEKA CHALETS & VIEWING DECK
BILLS OF QUANTITIES**

			R
	Brought Forward		
134	Facilities for contractor including offices, storage sheds, workshops, laboratories, living accommodation, ablutions and latrines facilities, tools and equipment, water supplies, electric power, communications, setting out of Works, security and dealing with water, traffic and access. Made COVID-19 Safe	m	
	Other fixed-charge obligations for COVID-19		
135	Hand Sanitiser - 500ml	No	
136	Cleaning and detergents for cleaning everyday	No	
137	Daily Logbook for above	No	
138	Extra cleaning staff	No	
	Waste management for COVID-19		
139	Waste Bins		SUM
	Maintenance of a register for workers contacts		
140	Removal of site establishment on completion		SUM
141	Green star building certification		
	F:..... V:.....T:.....	Item	
142	Broad based black economic empowerment (BBBEE)		
	Tenders submitted will be evaluated taking into account their empowerment rating		
	The employer will be monitoring the broad based black economic empowerment (BBBEE) status of the contractor throughout the execution of the works		
	Carried Forward		R
	Section No. 1 Bill No. 1 Preliminaries & General HLULEKA CHALETS & VIEWING DECK		

Brought Forward

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 BBEE rating including proof of the said rating

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

Item

R

143 Advertising rights

The **employer** may elect to contract with advertising agencies for the erection of advertising hoardings, banners, wraps or the like for the duration of the contract. The **contractor** shall not prevent such an arrangement and will assist in the facilitation of same. The position and type of advertising structure to be agreed with the **principal agent** so as not to hinder the **contractor** in meeting his obligations under this **agreement**

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

Item

144 Confidentiality

The **contractor** undertakes to maintain in confidence any and all information regarding this project and shall obtain appropriate similar undertakings from all **subcontractors** and suppliers. Such information shall not be used in any way except in connection with the execution of the **works**

No information regarding this project shall be published or disclosed without the prior written consent of the **employer**

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

Item

Carried Forward

R

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	Brought Forward		R
145	<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><u>SUMMARY OF CATEGORIES</u></p> <p>Category : Fixed R.....</p> <p>Category : Value R.....</p> <p>Category : Time R.....</p>	Item	
	Carried to Final Summary		R
	<p>Section No. 1</p> <p>Bill No. 1</p> <p>Preliminaries & General</p> <p>HLULEKA CHALETS & VIEWING DECK</p>		

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 1</u>			
	<u>FOUNDATIONS (PROVISIONAL)</u>			
	<u>CPAP WORK GROUP</u>			
	Unless otherwise stated all items in this bill will be Work Group 104			
	<u>EARTHWORKS</u>			
	<u>SITE CLEARANCE, ETC</u>			
	Site clearance			
1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc	m2	100.00	
	<u>EXCAVATION, ETC</u>			
	Excavation in earth not exceeding 2m deep			
2	Holes	m3	155.00	
	<u>Extra over trench and hole excavations in earth for excavation in</u>			
3	Soft rock	m3	12.00	
4	Hard rock	m3	6.00	
	<u>Extra over all excavations for carting away</u>			
5	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	109.00	
	Carried Forward			R
	Section No. 2 Bill No. 1 EARTHWORKS HLULEKA CHALETS & VIEWING DECK			

Brought Forward			R
<u>Risk of collapse of excavations</u>			
6	Sides of trench and hole excavations exceeding 1,5m deep	m2	605.00
<u>Keeping excavations free from water</u>			
7	Keeping excavations free from mud and all water other than from subterranean sources		Item
<u>FILLING, ETC</u>			
<u>Earth filling supplied by the contractor compacted to 98% Mod AASHTO density</u>			
8	Backfilling to trenches, holes, etc.	m3	91.00
<u>Compaction of surfaces</u>			
9	Compaction of ground surface under floors, etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% Mod AASHTO density	m2	93.00
<u>Prescribed density tests on filling</u>			
10	Modified AASHTO Density' test on fill material (Provisional).	No	8.00
<u>PROTECTION AGAINST TERMITES</u>			
<u>Soil insecticide</u>			
11	Under floors, etc including forming and poisoning shallow furrows against foundation walls, etc and filling in furrows and ramming	m2	93.00
12	To bottoms and sides of trenches, etc	m2	436.00
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 1			
EARTHWORKS			
HLULEKA CHALETS & VIEWING DECK			

Item No		Quantity	Rate	Amount
	<p><u>BILL NO.2 : CONCRETE, FORMWORK AND REINFORCEMENT</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Proprietary products in descriptions</u></p> <p><u>Proprietary products shall be used as specified . Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent</u></p> <p><u>Cost of tests</u></p> <p><u>Descriptions of concrete items shall be deemed to include for all necessary testing of concrete components and trail mixes</u></p> <p><u>The costs of making, storing and testing of concrete test cubes as required shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the architect. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval of the Principal Agent . (Test cubes are measured separately)</u></p> <p><u>CPAP WORK GROUP</u></p> <p><u>Unless otherwise stated all items in this bill will be Work Group 110</u></p> <p><u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u></p> <p><u>25 MPa/19mm concrete</u></p>			
1	Bases	m3	56.00	
	<p><u>REINFORCED CONCRETE CAST ON/IN FORMWORK</u></p>			
	Carried Forward			R
	<p>Section No. 2 Bill No. 2 CONCRETE, FORMWORK & REINFORCEMENT HLULEKA CHALETS & VIEWING DECK</p>			

		Brought Forward		
	<u>CONCRETE TESTING</u>			R
2	Making and testing 150 x 150 x 150 mm concrete strength test cube in sets of three (Provisional)	No	4.00	
	Carried Forward to Summary of Section No. 2			R
	Section No. 2 Bill No. 2 CONCRETE, FORMWORK & REINFORCEMENT HLULEKA CHALETS & VIEWING DECK			

Item No		Quantity	Rate	Amount
	<p><u>BILL NO.3 : MASONRY</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Proprietary products in descriptions</u></p> <p><u>Proprietary products shall be used as specified . Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent</u></p> <p><u>BRICKWORK</u></p> <p>Sizes in descriptions</p> <p>Where sizes in descriptions are given in brick units, 'one brick' shall be the length and 'half brick' the width of a brick</p> <p>Cement mortar</p> <p>Unless otherwise described, all brickwork shall be built in 1: 6 cement mortar</p> <p>Face bricks</p> <p>Bricks shall be ordered timeously to obtain uniformity in size and colour</p> <p>Pointing</p> <p>Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc</p> <p>Samples, etc</p> <p>Rates for brickwork, faced brickwork, etc shall include for all required samples</p>			
	Carried Forward		R	
	<p>Section No. 2 Bill No. 3 MASONRY HLULEKA CHALETS & VIEWING DECK</p>			

Brought Forward							
<u>CPAP WORK GROUP</u>							
Unless otherwise stated all items in this bill will be Work Group 116							
<u>Brickwork Sundries</u>							
<u>BRICKWORK SUNDRIES</u>							
1	Fill top of pressed steel door frame, suitable for half brick wall, with cement mortar and trowel smooth (Provisional)	m	48.00				R
<u>Air bricks etc</u>							
2	229 x 152mm Glazed clay vermin proof louvred air bricks (Provisional)	No	50.00				
<u>Facebrick work sample panel, including strip footings, etc and demolishing on completion of works (Provisional)</u>							
3	Construct a sample panel 2000mm long x 1500mm high of one brick wall in cement mortar faced and pointed on both sides in stretcher bond and with brick on edge coping to the top including pointing top and both sides including all necessary excavations, 15Mpa/38mm mass concrete strip footing in position as directed by the Representative/Agent. Upon completion of the project, demolish and remove all brickwork including making good are where removal took place	No	1.00				
Carried Forward to Summary of Section No. 2							
Section No. 2							
Bill No. 3							
MASONRY							
HLULEKA CHALETS & VIEWING DECK							

Item No		Quantity	Rate	Amount
	<u>BILL NO.4 : WATERPROOFING</u>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	Proprietary products in descriptions			
	Proprietary products shall be used as specified . Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent			
	CPAP WORK GROUP			
	Unless otherwise stated all items in this bill will be Work Group 120			
	<u>DAMPPROOFING OF WALLS AND FLOORS</u>			
	<u>JOINT SEALANTS, ETC</u>			
1	Spray foam in between timber structure and walls (by specialist - Foamlock Africa)	m2	610.00	
	<u>Clear silicone sealant</u>			
2	In joint sealing and pointing around sanitary fittings (provisional).	m	400.00	
	<u>WATERPROOFING TO ROOFS, BASEMENTS, ETC</u>			
	<u>One layer Derbigum SP4 waterproofing membrane sealed by means of 'torchfusion' or Coldbond 90 adhesive with 75mm side laps and 100mm end laps, laid under a ten year guarantee including painting or stone pitching</u>			
3	Roofs	m2	606.00	
4	Seal edge of waterproofing to walls, etc	m	290.00	
5	Testing of roof		Item	
	Carried Forward to Summary of Section No. 2			R
	Section No. 2			
	Bill No. 4			
	WATERPROOFING			
	HLULEKA CHALETS & VIEWING DECK			

Item No		Quantity	Rate	Amount
	<p><u>BILL NO.5 : ROOF COVERINGS</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Proprietary products in descriptions</p> <p>Proprietary products shall be used as specified . Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent</p> <p>Fixing</p> <p>Fixing shall be done according to SABS 1200HB with minimum 225mm end laps</p> <p>Guarantee</p> <p>The contractor will be required to provide a written guarantee, stating that : 1. The roof sheeting is of the specified thickness 2. The client is indemnified against any defects, including colour deterioration for a minimum period of 15 years</p> <p>CPAP WORK GROUP</p> <p>Unless otherwise stated all items in this bill will be Work Group 124</p> <p>User Note - The fixing recommendations of the manufacturer of the tiles used for the specific region and/or situation are to be incorporated as supplementary preambles</p> <p>TILES (CPAP WORK GROUP NO. 122)</p>			
	Carried Forward		R	
	<p>Section No. 2 Bill No. 5 ROOF COVERINGS HLULEKA CHALETS & VIEWING DECK</p>			

	Brought Forward			R
1	<p><u>Klip - Tite - Zinccal AZ150 coated steel G550 - 700mm roof sheet colourplus Laid On And including One Layer Of Sisalation FR 405 Underlay with 150mm Lapped And Sealed Joints And Fixed With Storm Clips And Non-Corrosive Tile Nails To And Including 38 x 38mm Sawn Pine Battens At 320mm centres</u></p> <p>Roof covering with 6 and 10 degree pitch.</p>	m2	252.00	
	<p>Carried Forward to Summary of Section No. 2</p> <p>Section No. 2 Bill No. 5 ROOF COVERINGS HLULEKA CHALETS & VIEWING DECK</p>			R

Item No		Quantity	Rate	Amount
	<u>BILL NO.6 : CARPENTRY AND JOINERY</u>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	Proprietary products in descriptions			
	Proprietary products shall be used as specified . Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent			
	Roof trusses			
	The truss system shall be designed by an Engineer and the Contractor shall complete and submit a certificate of confirmation. This certificate will state that the trusses have been designed, manufactured and erected in accordance with the relevant SANS code. The details of the registered engineer certifying this will appear on the certificate			
	Joinery			
	Descriptions of frames shall be deemed to include frames, transomes, mullions, rails, etc			
	Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes			
	Fixing			
	All nailing of timber roof trusses, purlins, etc shall be done with galvanised nails. In coastal areas, copper, aluminium or stainless steel nails shall be used			
	Items described as 'nailed shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete			
	Where items are described as 'bolted the bolts have been measured elsewhere			
	CPAP WORK GROUP			
	Carried Forward		R	
	Section No. 2 Bill No. 6 CARPENTRY AND JOINERY HLULEKA CHALETS & VIEWING DECK			

Brought Forward		R
<p>Unless otherwise stated all items in this bill will be Work Group 126</p> <p><u>ROOFS, ETC</u></p> <p><u>Sawn Pine</u></p>		
1	<p>38 x 114 mm Wall plates</p> <p><u>Roof Trusses</u></p> <p>The following truss prices are to include for design, supply and erection of the trusses complete including bolts, gang nailing, connectors, connections, etc. and comply with SABS 0243: The Design, Manufacture and Erection of timber Trusses</p> <p>The truss fabricator or his design engineer will issue a certificate of compliance to the Principal Agent which confirms that: (a). The Manufacturer of the pre-fabricated trusses holds a certificate of competence issued by the institute for timber construction.</p> <p>The truss fabricator or his design engineer will issue a certificate of compliance to the Principal Agent which confirms that:</p> <p>(a). The Manufacturer of the pre-fabricated trusses holds a certificate of competence issued by the institute for timber construction.</p> <p>(b). The design has been approved by a Registered Professional Engineer.</p> <p>©. The trusses have been manufactured to specification.</p> <p>(d). The trusses have been erected to specification.</p> <p>The dimensions of the trusses given in the following descriptions are nominal and the actual measurements for the design and manufacture of the trusses must be taken from the working drawings.</p>	m 213.00
Carried Forward		R
<p>Section No. 2 Bill No. 6 CARPENTRY AND JOINERY HLULEKA CHALETS & VIEWING DECK</p>		

Brought Forward		R
<p>The truss spans given are measured horizontally between the outer faces of the wall plates and overhangs are measured from the external wall face.</p> <p><u>Prefabricated timber roof construction complete including purlins, runners, bracing hips, valleys, cleats, purlins, etc supplied and fixed complete:</u></p>		
2	Trusses for gable shaped building, size 9.07 x 7.02 on plan	No 4
3	Trusses for gable shaped building, size 1.45 x 6.02 on plan	No 16
<u>EAVES, VERGES, ETC</u>		
<u>Nutec Medium Density Plain Fascia Cut To Lengths And Butt Jointed With Galvanised H-Profile Steel Jointing strips And Fixed With Countersunk Brass Screws</u>		
4	12 x 225mm thick Fascias and barge boards including galvanised steel H-profile jointing strips	m 200.00
<u>DOORS, ETC</u>		
<u>Semi-solid flush doors with 3,2mm tempered hardboard facings and 2 hardwood edge strips hung on galvanised steel frames. Doors manufactured according to SANS 545</u>		
5	44mm Door 5000 x 2100mm high	No 4.00
6	44mm Door 900 x 2100mm high	No 20.00
7	44mm Door 900 x 1930mm high	No 4.00
<u>DOOR FRAMES</u>		
Carried Forward		R
<p>Section No. 2 Bill No. 6 CARPENTRY AND JOINERY HLULEKA CHALETS & VIEWING DECK</p>		

ECPTA
HLULEKA CHALETS & VIEWING DECK
BILLS OF QUANTITIES

Brought Forward			R
<u>Wrought Meranti</u>			
8	55 x 90 Meranti timber rebated door frame and 16 x 16mm maranti quadrant door reveal sides(with uniform colour)	No	24.00
9	55 x 90 Meranti timber rebated door frame and 16 x 16mm maranti quadrant door reveal sides(with uniform colour)	No	4.00
<u>Structural Timber</u>			
10	Gumpoles	No	265.00
11	Beam Bearer	m	168.00
12	Joists @ 400mm cc max for internal flooring	m	1,400.00
13	Square Timber Column in lengths exceeding 3.9m and n.e 6.6m hi	No	4
<u>EXTERNAL CLADDING</u>			
14	To external walls	m2	474
<u>TIMBER FRAMEWORK</u>			
15	Framework	m2	414
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 6			
CARPENTRY AND JOINERY			
HLULEKA CHALETS & VIEWING DECK			

Item No		Quantity	Rate	Amount
	<u>BILL NO.7 : CEILINGS PARTITIONS AND ACCESS FLOORING</u>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	Proprietary products in descriptions			
	Proprietary products shall be used as specified . Substitute products of similar quality and specification may only be used with prior Proprietary products shall be used as specified . Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent al by the Principal Agent			
	Descriptions			
	Items described as 'nailed shall be deemed to be fixed with hardened steel nails or pins or shot pinned to brickwork or concrete			
	CPAP WORK GROUP			
	Unless otherwise stated all items in this bill will be Work Group 129			
	<u>CEILINGS, ETC</u>			
	<u>9,5mm Skimmed 'Rhino'board ceiling and fixing accessories</u>			
1	Ceilings including 38 x 50mm south african pine bandering at not exceeding 450mm centres in one direction	m2	419.00	
2	Extra over ceiling for opening for 650 x 650mm trap door complete with trimmers, frame, cross branders, ceiling board, hinges, etc as described (Provisional)	No	4.00	
	<u>Rhino Gypsum plasterboard cornice</u>			
3	75 mm Coved cornices	m	331.00	
	Carried Forward			R
	Section No. 2 Bill No. 7 CEILINGS, PARTITIONING AND ACCESS FLOORING HLULEKA CHALETS & VIEWING DECK			

Brought Forward					
<u>SKIRTINGS</u>					
<u>Wrought meranti</u>					
4	19 x 76mm Skirting including 19mm quadrant bead nailed	m	300		
<u>Flexible Polyester Blanket Insulation</u>					
5	100mm thick Insulation closely fitted and laid on top of branderling between roof timbers etc	m2	419.00		
6	Dry Walling	m2	807.00		
Carried Forward to Summary of Section No. 2				R	
Section No. 2 Bill No. 7 CEILINGS, PARTITIONING AND ACCESS FLOORING HLULEKA CHALETS & VIEWING DECK					

Item No		Quantity	Rate	Amount
	<u>BILL NO. 8</u>			
	<u>IRONMONGERY</u>			
	NOTE: Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No. 132 for CPAP formula purposes.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Finishes to ironmongery</u>			
	Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list:			
	BS Satin bronze lacquered CH Chromium plated SC Satin chromium plated SE Silver enamelled GE Grey enamelled AS Anodised silver AB Anodised bronze AG Anodised gold ABL Anodised black PB Polished brass PL Polished and lacquered PT Epoxy coated SD Sanded			
	<u>LOCKS</u>			
	<u>"Union"</u>			
1	"CZ682-24/2247-78" or other similar and approved four lever lockset with striking plate fixed to metal or timber	No	28	
	<u>HANDLES</u>			
	<u>"BATHROOM FITTINGS"</u>			
2	19mm Diameter chromium plated towel rail 600mm long including end brackets plugged	No	8	
	Carried Forward			R
	Section No. 2 Bill No. 8 IRONMONGERY HLULEKA CHALETS & VIEWING DECK			

ECPTA
HLULEKA CHALETS & VIEWING DECK
BILLS OF QUANTITIES

Brought Forward			R	
<u>"Nampak"</u>				
3	Toilet roll holder plugged	No	7	
<u>SUNDRIES</u>				
<u>"Union"</u>				
4	"AL8730AS" door stop plugged	No	24	
5	"AL8722AS" rubber tipped hat and coat hook	No	24	
Carried Forward to Summary of Section No. 2				R
Section No. 2 Bill No. 8 IRONMONGERY HLULEKA CHALETS & VIEWING DECK				R

Item No		Quantity	Rate	Amount
	<u>BILL NO.9 : FLOOR COVERINGS</u>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	Proprietary products in descriptions			
	Proprietary products shall be used as specified . Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent			
	Cleaning			
	Rates for floor covering shall include for stripping and proper cleaning on completion			
	CPAP WORK GROUP			
	Unless otherwise stated all items in this bill will be Work Group 130			
	<u>FLOOR COVERINGS</u>			
1	<u>Marine Grade Shutter ply floating floor</u>	m2	474.00	
2	Internal flooring, apply tier flooring to marine grade shutter ply (floating floor)	m2	474.00	
3	Plank Sub-Floor	m2	475.00	
	Carried Forward to Summary of Section No. 2			R
	Section No. 2			
	Bill No. 9			
	FLOOR COVERING			
	HLULEKA CHALETS & VIEWING DECK			

Item No		Quantity	Rate	Amount
	<p><u>BILL NO.10 : METALWORK</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Proprietary products in descriptions</u></p> <p><u>Proprietary products shall be used as specified . Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent</u></p> <p><u>Descriptions</u></p> <p><u>Descriptions of bolts shall be deemed to include nuts and washers</u></p> <p><u>Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork of concrete</u></p> <p><u>Metalwork described as 'holed for bolt(s)' shall be deemed to exclude the bolts unless otherwise described</u></p> <p><u>CPAP WORK GROUP</u></p> <p><u>Unless otherwise stated all items in this bill will be Work Group 136</u></p> <p><u>ALUMINIUM WINDOWS / SHOPFRONTS</u></p> <p><u>Abutments between window, door frames and surrounding faced or plastered brickwork shall be pointed internally and externally with an approved silicone sealer. Rates of aluminium windows shall be deemed to include for silicone pointing.</u></p>			
	Carried Forward		R	
	<p>Section No. 2 Bill No. 10 METALWORK HLULEKA CHALETS & VIEWING DECK</p>			

	Brought Forward			R
	<p><u>Opening sashes to be provided with standard casement hinges, pegs and stays as supplied by window manufacturer.</u></p> <p><u>All glazed sections to be fixed with internal clip-on glazing beads and neoprene seals.</u></p> <p><u>Powder coated charcoal grey aluminium windows glazed with 6mm Clear laminated safety glass, unless otherwise described, frames fixed to meranti sub-frames plugged to brickwork or concrete and sealed all round as described (All in accordance with manufacturer's instructions and to architect's approval):</u></p>			
1	Aluminium window frame complete with safety glass, with stainless steel screws to opening sections, ironmongery, etc overall size 700 x 3240mm high.	No	6.00	
2	Aluminium window frame complete with safety glass, with stainless steel screws to opening sections, ironmongery, etc overall size 1000 x 700mm high.	No	13.00	
3	Aluminium window frame complete with safety glass, with stainless steel screws to opening sections, ironmongery, etc overall size 3820 x 700mm high.	No	2.00	
4	Aluminium window frame complete with safety glass, with stainless steel screws to opening sections, ironmongery, etc overall size 500 x 1800mm high.	No	8.00	
	<u>PURPOSE MADE ALUMINIUM DOORS</u>			
	<u>Aluminium Doors</u>			
5	Aluminium Door size 900 x 2100mm	No	18	
6	Aluminium Door size 3810 x 2050mm	No	5	
7	Aluminium Double Door size 1640 x 2050mm	No	10	
	Carried Forward			R
	<p>Section No. 2 Bill No. 10 METALWORK HLULEKA CHALETS & VIEWING DECK</p>			

	Brought Forward				
	<u>Aluminium Shower Cubicle Door</u>			R	
8	Pivot door size 1420 x 1900mm hi	No	12.00		
	<u>BURGLAR BARS</u>				
9	12 x 12 aluminium bars to be fitted to 25 x 5 flat bar and fitted to inside of window reveal burglar bars to match window finish.	m			
Carried Forward to Summary of Section No. 2				R	
Section No. 2 Bill No. 10 METALWORK HLULEKA CHALETS & VIEWING DECK					

Item No		Quantity	Rate	Amount
	<p><u>BILL NO.11 : PLASTERING</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Proprietary products in descriptions</u></p> <p><u>Proprietary products shall be used as specified . Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent</u></p> <p><u>CPAP WORK GROUP</u></p> <p><u>Unless otherwise stated all items in this bill will be Work Group 142</u></p> <p><u>RHINOLITE</u></p>			
1	40mm Thick on dry walls	m2	474	
	Carried Forward to Summary of Section No. 2			R
	<p>Section No. 2 Bill No. 11 PLASTERING HLULEKA CHALETS & VIEWING DECK</p>			

Item No		Quantity	Rate	Amount
	<u>BILL NO. 12</u>			
	<u>TILING</u>			
	NOTE: Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No. 144 for CPAP formula purposes.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Descriptions</u>			
	Unless described as "fixed with adhesive to plaster (plaster elsewhere)" descriptions of tiling on brick or concrete walls, columns, etc shall be deemed to include 1:4 cement plaster backing and descriptions of tiling on concrete floors etc shall be deemed to include 1:3 plaster bedding.			
	<u>WALL TILING</u>			
1	On walls	m2	60	
	<u>FLOOR TILING</u>			
2	On floors and landings	m2	70	
3	Skirting 150mm high	m	100	
	<u>Sundries</u>			
4	Aluminium Edge trim door threshold	m	20	
	Carried Forward to Summary of Section No. 2			R
	Section No. 2 Bill No. 12 TILING HLULEKA CHALETS & VIEWING DECK			

Item No	Quantity	Rate	Amount
<u>BILL NO.13 : PLUMBING AND DRAINAGE</u>			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>Proprietary products in descriptions</u>			
<u>G7 Natural gravel in layers not exceeding 150 mm with a CBR of less than 15 and a maximum particle size of 100 mm, compacted to 95% Modified AASHTO density at optimum moisture content</u>			
<u>SUBSOIL DRAIN PIPES</u>			
<u>Fixing</u>			
<u>Descriptions of wall mounted, floor standing, drop-in, etc type sanitary fittings shall be deemed to include fixing in position and all fixing accessories</u>			
<u>Descriptions of proprietary items shall include fixing in position and all fixing accessories as specified by the manufacturer</u>			
<u>Chasing</u>			
<u>Chasing pipes into new walls shall be regarded as 'building in' and is not measured separately. The cost of chasing and making good shall be included in the rates for pipes</u>			
<u>Stainless steel sanitary fittings</u>			
<u>Units shall have standard aprons on all exposed edges and tiling keys against walls where applicable</u>			
<u>Waste unions</u>			
<u>Descriptions of waste unions shall be deemed to include rubber or vulcanite plugs and chains fixed to fittings</u>			
<u>SOIL DRAINAGE</u>			
Carried Forward			R
Section No. 2 Bill No. 13 PLUMBING & DRAINAGE HLULEKA CHALETS & VIEWING DECK			

Brought Forward			R
<u>CPAP WORK GROUP 146</u>			
<u>Marley or similar approved gulleys</u>			
1	100mm Gulley not exceeding 1000mm deep	No	8.00
<u>CPAP WORK GROUP</u>			
<u>Unless otherwise stated all items in this bill will be Work Group 148</u>			
<u>RAINWATER DISPOSAL</u>			
<u>0.6mm Galvanised sheet steel with 'Chromadek' finish one side and standard backing coat</u>			
2	125 x 125mm VHV Eaves gutters with beaded front edge in continuous lengths	m	91.00
3	Extra over eaves gutter for outlet for 75mm diameter pipe	No	16.00
4	75mm Diameter rainwater pipes in continuous lengths	m	77.00
5	Extra over rainwater pipe for eaves offset 900mm projection	No	12.00
6	Extra over rainwater pipe for shoe	No	16.00
7	Extra over rainwater pipe for stop end	No	16
8	500L Jojo Water Tank	No	4
<u>SANITARY FITTINGS</u>			
<u>Marley or similar approved'</u>			
9	32 x 40mm rubber universal Resealing 'P' or 'S' trap as flexi type F3240rups	No	12.00
<u>TAPS, VALVES, ETC</u>			
Carried Forward			R
Section No. 2 Bill No. 13 PLUMBING & DRAINAGE HLULEKA CHALETS & VIEWING DECK			

Brought Forward				R
<u>Cobra Watertech or similar approved'</u>				
10	Capstan-CS-266/041 CP wall type sink mixer with aerated swivel outlet including 20mm BSP inlets SANS 266 type 2	No	12.00	
11	Star 207EC-20, hose bibtap with 15mm BSP wing nut and liner for 15mm hose pipe SANS 226 Type 2	No	12.00	
12	32mm standing overflow tube chrome plated	No	12.00	
<u>"Vaal"</u>				
13	"Klip" 4000010 WC pan with double flap heavy duty plastic seat (flush valve elsewhere measured)	No	8	
<u>"Plexicor" acrylic</u>				
14	900 x 900 x 150mm "Granada" shower tray with waste outlet, bedded in position	No	12	
15	1700 x 750mm "Carmen" bath with waste outlet, overflow grating with coupling and pair handles, bedded in position	No	8	
<u>Vaal or similar approved'</u>				
16	Taphole stopper	No	12.00	
<u>WASTE UNIONS, ETC</u>				
<u>TRAPS, ETC</u>				
<u>Cobra watertech or similar approved'</u>				
17	350 bottle trap, Reseal bottle trap with telescopic basin connection pipe 32mm BSP female inlet and 40mm outlet	No	15.00	
<u>Marley or similar approved'</u>				
18	32 x 40mm rubber universal Resealing 'P' or 'S' trap as flexi type F3240rups	No	17.00	
Carried Forward				R
Section No. 2 Bill No. 13 PLUMBING & DRAINAGE HLULEKA CHALETS & VIEWING DECK				

Brought Forward			R
<u>SANITARY PLUMBING</u>			
<u>uPVC pipes</u>			
19	40mm Pipes	m	105.00
20	50mm Pipes	m	45.00
21	110mm Pipes	m	26.00
22	50mm Pipes laid in and including trenches not exceeding 1m deep under surface beds	m	158.02
23	110mm Pipes laid in and including trenches not exceeding 1m deep under surface beds	m	61.41
<u>Extra over uPVC pipes for uPVC fittings</u>			
24	40mm Adaptor	No	15.00
25	50mm Adaptor	No	15.00
26	40mm Reducer	No	15.00
27	50mm Reducer	No	15.00
28	40mm Bend	No	10.00
29	50mm Bend	No	10.00
30	110mm Bend	No	15.00
31	40mm Junction	No	10.00
32	50mm Junction	No	10.00
33	110mm Junction	No	15.00
34	50mm Reducing junction	No	10.00
35	110mm Pan connector	No	15.00
36	40mm Access bend	No	15.00
Carried Forward			R
Section No. 2 Bill No. 13 PLUMBING & DRAINAGE HLULEKA CHALETS & VIEWING DECK			

ECPTA
HLULEKA CHALETS & VIEWING DECK
BILLS OF QUANTITIES

Brought Forward				R
37	50mm Access bend	No	15.00	
38	110mm Access bend	No	15.00	
39	40mm Access junction	No	15.00	
40	50mm Access junction	No	15.00	
41	110mm Access junction	No	15.00	
42	50mm Access reducing junction	No	15.00	
43	110mm Access reducing junction	No	15.00	
44	110mm 'GI two-way' vent valve	No	15.00	
<u>Sundries</u>				
45	Testing waste pipe system		Item	
<u>WATER SUPPLIES</u>				
<u>Class II copper pipes</u>				
46	15mm Pipes	m	130.00	
47	22mm Pipes	m	80.00	
<u>Extra over class II copper pipes for compression fittings</u>				
48	15mm Fittings	No	15.00	
49	22mm Fittings	No	15.00	
50	28mm Fittings	No	15.00	
51	35mm Reducer	No	15.00	
52	35mm Adaptor coupling	No	15.00	
53	35mm Elbow	No	15.00	
Carried Forward				R
Section No. 2 Bill No. 13 PLUMBING & DRAINAGE HLULEKA CHALETS & VIEWING DECK				

ECPTA
HLULEKA CHALETS & VIEWING DECK
BILLS OF QUANTITIES

Brought Forward			R
<u>Extra over class II copper pipes for conex compression fittings</u>			
54	15mm Fittings	No	15.00
55	22mm Fittings	No	15.00
<u>Copper overflow and service pipes</u>			
56	15mm Service pipes 350mm girth	No	20.00
<u>FIRE APPLIANCES, ETC</u>			
57	4,5 kg DCP fire extinguisher including backboard, plugged and screwed	No	4.00
58	Fire hose reel complete with 30m plastic hose, chromium plated stopcock, shut-off nozzle and wall bracket fixed to wal	No	4.00
<u>TESTING</u>			
59	Testing water pipe system		Item
<u>Perforated Pipes</u>			
60	110mm subsoil drain pipe wrapped in bidum with no fines	m	200.00
<u>Gyser</u>			
61	100L electrical water heater	No	4
62	Drip Tray for Water Heater	No	4
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 13			
PLUMBING & DRAINAGE			
HLULEKA CHALETS & VIEWING DECK			

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 14</u></p> <p><u>GLAZING</u></p> <p><u>CPAP WORK GROUP</u></p> <p>Unless otherwise stated all items in this bill will be Work Group 150</p> <p><u>4mm Silvered float glass copper backed mirrors with polished edges holed for and fixed with chromium plated dome capped mirror screws with rubber buffers to plugs in brickwork or concrete</u></p>			
1	Mirror 380 x 600mm high with four screws	No	12.00	
	Carried Forward to Summary of Section No. 2			R
	<p>Section No. 2 Bill No. 14 GLAZING HLULEKA CHALETS & VIEWING DECK</p>			

Item No		Quantity	Rate	Amount
	<u>BILL NO.15 : PAINTWORK</u>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Proprietary products in descriptions</u>			
	<u>Proprietary products shall be used as specified . Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent</u>			
	<u>CPAP WORK GROUP</u>			
	<u>Unless otherwise stated all items in this bill will be Work Group 152</u>			
	<u>PAINTWORK, ETC TO NEW WORK</u>			
	<u>ON FLOATED PLASTER</u>			
	<u>One coat merit alkali resistant plaster primer (UC56) with approved 2 coats cashmere paint</u>			
1	On internal walls	m2	807.00	
	<u>ON PLASTER BOARD</u>			
	<u>Apply two finishing coats of approved PVA paint to comply with SABS 634 color white</u>			
2	On ceilings	m2	419.00	
	<u>ON WOOD</u>			
	<u>One coat Oil Based Wood Primer and two coats finishing coats high gloss enamel paint by plascon or similar approved</u>			
3	On doors	m2	103.00	
	Carried Forward to Summary of Section No. 2			R
	Section No. 2 Bill No. 15 PAINTWORK HLULEKA CHALETS & VIEWING DECK			

Bill No	<u>SECTION SUMMARY - CHALETS</u>	Page No	Amount
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12	TILING	60	
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14	GLAZING	67	
15	PAINTWORK	68	
	Carried to Final Summary		R
	Section No. 2 HLULEKA CHALETS & VIEWING DECK		

Item No	Quantity	Rate	Amount
<u>SECTION 3</u>			
<u>BILL NO. 1</u>			
<u>PROVISIONAL SUMS</u>			
<u>NOTES:</u>			
<p>1. The Contractor's attention is drawn specifically to the Principal Building Agreement Clause 20.0 (Nominated Sub-Contractors), Clause 21.0 (Selected Sub-Contractors) and Clause 22 (Work by Others) and to the related Clauses in Section 1, Bill No. 1 - Preliminaries</p> <p>2. The Contractor's attention is drawn also to the definition of attendance on Nominated or Selected Sub-Contractors and of fuel, power and water for commissioning of mechanical and other specialised installations given in the JBCC Preliminaries</p> <p>3. Where special attendance includes the provision of hoisting facilities for a Sub-Contractor then the Contractor shall:-</p> <ul style="list-style-type: none"> * Ensure that the capacities of his hoisting equipment are sufficient to deal with the masses and the quantities of the items to be hoisted, * Schedule the times of availability of the hoisting equipment for each Sub-Contractor, * Provide all necessary personnel to operate the hoisting equipment, <p>all to enable the Sub-Contractor to execute the hoisting or lowering of his material, etc. using the facilities provided by the Contractor</p> <p>4. Under no circumstances may any Provisional Amount, etc. be extended at an amount lower than the amount given in this Bill</p>			
Carried Forward			R
Section No. 3 Bill No. 1 PROVISIONAL SUMS HLULEKA CHALETS & VIEWING DECK			

		R	
Brought Forward			
5. CPAP Formula Work Group 190 shall apply to all lump sum amounts of profit and attendance			
Carried Forward		R	
Section No. 3 Bill No. 1 PROVISIONAL SUMS HLULEKA CHALETS & VIEWING DECK			

**ECPTA
HLULEKA CHALETS & VIEWING DECK
BILLS OF QUANTITIES**

Brought Forward		R
<u>PROVISIONAL SUMS FOR NOMINATED/SELECTED SUB-CONTRACTS</u>		
<u>Electrical & Mechanical Installation</u>		
1	Provide the amount of R 1,171,710.00 One Million One Hundred and Seventy One Thousand Seven Hundred and Ten for Electrical Installation supplied and installed complete	1,171,710.00
2	Profit	
3	Allow for general attendance	
<u>Viewing Deck</u>		
4	Provide the amount of R 400,000.00 Four Hundred Thousand for Viewing Deck supplied and installed complete	400,000.00
5	Profit	
6	Allow for general attendance	
Carried to Final Summary		R
Section No. 3		
Bill No. 1		
PROVISIONAL SUMS		
HLULEKA CHALETS & VIEWING DECK		

**ECPTA
HLULEKA CHALETS & VIEWING DECK
BILLS OF QUANTITIES**

Section No		Page No		Amount
	<u>FINAL SUMMARY</u>			
1	PRELIMINARIES & GENERAL	37		
2	CHALETS	69		
3	PROVISIONAL SUMS	72		
	Sub Total		R	
	Allow the Amount of R 210,410.10 Two Hundred and Ten Thousand Four Hundred and Ten and Ten for contingencies, to be used by the Principal Agent in terms of Clause 17 of the Principal Building Agreement		R	210,410.10
	<u>COMMUNITY LIASON OFFICER</u>			
	Provide the amount of R 5,000.00 Five Thousand @ (R5000.00/month) for the appointment of community liaison officer	Item		
	Sub Total		R	
	Tax		R	
	TOTAL		R	
	Carried to Form of Tender		R	
	HLULEKA CHALETS & VIEWING DECK			