

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETS AND COMPLETION OF BCV ENTRANCE GATE**

Item No		Quantity	Rate	Amount
	<u>BILL NO. 1</u>			
	<u>PRELIMINARIES AND GENERAL</u>			
	<u>SECTION A: PRINCIPAL BUILDING AGREEMENT READ IN CONJUNCTION WITH THE CONTRACT DATA</u>			
	<u>A1: DEFINITIONS</u>			
1/1/1	Definitions and interpretation (clause 1) F:..... V:..... T:.....	Item		
	<u>A2: OBJECTIVE AND PREPARATION</u>			
1/1/2	Offer, acceptance and performance (clause 2) F:..... V:..... T:.....	Item		
1/1/3	Documents (clause 3) F:..... V:..... T:.....	Item		
1/1/4	Design responsibility (clause 4) F:..... V:..... T:.....	Item		
1/1/5	Employer's agents (clause 5) F:..... V:..... T:.....	Item		
1/1/6	Site representative (clause 6) F:..... V:..... T:.....	Item		
1/1/7	Compliance regulations (clause 7)	Item		
	Carried Forward		R	
	Section No. 1 PRELIMINARIES AND GENERAL Bill No. 1 PRELIMINARIES AND GENERAL			

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETS AND COMPLETION OF BCV ENTRANCE GATE**

Brought Forward			R
1/1/8	<p>Compliance regulations (clause 7.1)</p> <p>HEALTH AND SAFETY</p> <p>7.1 Without limiting the generality of the provisions of clause 7.0, the contractor's attention is drawn to the provisions of the Construction Regulations, 2003 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 (refer to Addendum No 6 for a copy of the relevant specification) 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, not withholding to allow for changes in the Health & Safety regulation, therefore includes, medicines for works,baseline risk assement, etc.</p> <p>F:..... V:..... T:.....</p>	Item	
1/1/9	<p>Works risk (clause 8)</p> <p>F:..... V:..... T:.....</p>	Item	
1/1/10	<p>Indemnities (clause 9)</p> <p>F:..... V:..... T:.....</p>	Item	
1/1/11	<p>Works insurances (clause 10)</p> <p>F:..... V:..... T:.....</p>	Item	
1/1/12	<p>Liability insurances (clause 11)</p> <p>F:..... V:..... T:.....</p>	Item	
1/1/13	<p>Effecting insurances (clause 12)</p> <p>F:..... V:..... T:.....</p>	Item	
1/1/14	<p>No clause (clause 13)</p>	N/A	
1/1/15	<p>Security (clause 14)</p> <p>F:..... V:..... T:.....</p>	Item	
Carried Forward			R
<p>Section No. 1 PRELIMINARIES AND GENERAL Bill No. 1 PRELIMINARIES AND GENERAL</p>			

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETS AND COMPLETION OF BCV ENTRANCE GATE**

Brought Forward		R
<u>A3: EXECUTION</u>		
1/1/16	Preparation for and execution of the works (clause 15) F:..... V:..... T:.....	Item
1/1/17	Access to the works (clause 16) F:..... V:..... T:.....	Item
1/1/18	Contract instructions (clause 17) F:..... V:..... T:.....	Item
1/1/19	Setting out of the works (clause 18) F:..... V:..... T:.....	Item
1/1/20	Assignment (clause 19) F:..... V:..... T:.....	Item
1/1/21	Nominated subcontractors (clause 20) F:..... V:..... T:.....	Item
1/1/22	Selected subcontractors (clause 21) F:..... V:..... T:.....	Item
1/1/23	Employer's direct contractors (clause 22) F:..... V:..... T:.....	Item
Carried Forward		R
Section No. 1 PRELIMINARIES AND GENERAL Bill No. 1 PRELIMINARIES AND GENERAL		

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETS AND COMPLETION OF BCV ENTRANCE GATE**

Brought Forward		R
1/1/24	Contractor's domestic subcontractors (clause 23) F:..... V:..... T:.....	Item
<u>A4: COMPLETION</u>		
1/1/25	Practical completion (clause 24) F:..... V:..... T:.....	Item
1/1/26	Works completion (clause 25) F:..... V:..... T:.....	Item
1/1/27	Final completion (clause 26) F:..... V:..... T:.....	Item
1/1/28	Latent defects liability period (clause 27) F:..... V:..... T:.....	Item
1/1/29	Sectional completion (clause 28) F:..... V:..... T:.....	Item
1/1/30	Revision of date for practical completion (clause 29) F:..... V:..... T:.....	Item
1/1/31	Penalty for late or non-completion (clause 30) F:..... V:..... T:.....	Item
<u>A5: PAYMENT</u>		
1/1/32	Interim payment to the contractor (clause 31) F:..... V:..... T:.....	Item
1/1/33	Adjustment to the contract value (clause 32) F:..... V:..... T:.....	Item
1/1/34	Recovery of expense and loss (clause 33) F:..... V:..... T:.....	Item
Carried Forward		R
Section No. 1 PRELIMINARIES AND GENERAL Bill No. 1 PRELIMINARIES AND GENERAL		

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETS AND COMPLETION OF BCV ENTRANCE GATE**

Brought Forward		R
1/1/35	Final account and final payment (clause 34) F:..... V:..... T:.....	Item
1/1/36	Payment to other parties (clause 35) F:..... V:..... T:.....	Item
<u>A6: CANCELLATION</u>		
1/1/37	Cancellation by employer - contractor's default (clause 36) F:..... V:..... T:.....	Item
1/1/38	Cancellation by employer - loss and damage (clause 37) F:..... V:..... T:.....	Item
1/1/39	Cancellation by contractor - employer's default (clause 38) F:..... V:..... T:.....	Item
1/1/40	Cancellation - cessation of the works (clause 39) F:..... V:..... T:.....	Item
<u>A7: DISPUTE</u>		
1/1/41	Settlement of disagreements and disputes (clause 40) F:..... V:..... T:.....	Item
<u>A8: SUBSTITITE PROVISIONS</u>		
1/1/42	State clauses (clause 41) F:..... V:..... T:.....	Item
<u>A9: CONTRACT DATA</u>		
1/1/43	Additional conditions as set out in the Contract Data F:..... V:..... T:.....	Item
Carried Forward		R
Section No. 1 PRELIMINARIES AND GENERAL Bill No. 1 PRELIMINARIES AND GENERAL		

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETS AND COMPLETION OF BCV ENTRANCE GATE**

Brought Forward		R
<u>SECTION B - PRELIMINARIES</u>		
<u>B1: DEFINITIONS AND INTERPRETATIONS</u>		
1/1/44	Definitions and interpretation (clause 1.0) F:..... V:..... T:.....	Item
<u>B2: DOCUMENTS</u>		
1/1/45	Checking of documents (clause 2.1) F:..... V:..... T:.....	Item
1/1/46	Provisional bills of quantities (clause 2.2) F:..... V:..... T:.....	Item
1/1/47	Availability of construction documentation (clause 2.3) F:..... V:..... T:.....	Item
1/1/48	Interests of agents (clause 2.4) F:..... V:..... T:.....	Item
1/1/49	Priced documents (clause 2.5) F:..... V:..... T:.....	Item
1/1/50	Tender submission (clause 2.6) F:..... V:..... T:.....	Item
<u>B3: THE SITE</u>		
1/1/51	Defined works area (clause 3.1) F:..... V:..... T:.....	Item
1/1/52	Geotechnical investigation (clause 3.2) F:..... V:..... T:.....	Item
1/1/53	Inspection of the site (clause 3.3) F:..... V:..... T:.....	Item
Carried Forward		R
Section No. 1 PRELIMINARIES AND GENERAL Bill No. 1 PRELIMINARIES AND GENERAL		

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETS AND COMPLETION OF BCV ENTRANCE GATE**

Brought Forward			R
1/1/54	Existing premises occupied (clause 3.4) F:..... V:..... T:.....	Item	
1/1/55	Previous work - dimensional accuracy (clause 3.5) F:..... V:..... T:.....	N/A	
1/1/56	Previous work - defects (clause 3.6) F:..... V:..... T:.....	N/A	
1/1/57	Services - known (clause 3.6) F:..... V:..... T:.....	Item	
1/1/58	Services - unknown (clause 3.8) F:..... V:..... T:.....	Item	
1/1/59	Protection of trees (clause 3.9) F:..... V:..... T:.....	Item	
1/1/60	Articles of value (clause 3.10) F:..... V:..... T:.....	Item	
1/1/61	Inspection of adjoining properties (clause 3.11) F:..... V:..... T:.....	Item	
<u>B4: MANAGEMENT OF CONTRACT</u>			
1/1/62	Management of the works (clause 4.1) F:..... V:..... T:.....	Item	
1/1/63	Programming of the Works (clause 4.2) F:..... V:..... T:.....	Item	
1/1/64	Progress meetings (clause 4.3)	Item	
Carried Forward			R
Section No. 1 PRELIMINARIES AND GENERAL Bill No. 1 PRELIMINARIES AND GENERAL			

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETS AND COMPLETION OF BCV ENTRANCE GATE**

	Brought Forward		R	
1/1/65	F:..... V:..... T:..... Technical meetings (clause 4.4)	Item		
1/1/66	F:..... V:..... T:..... Labour and plant records (clause 4.5)	Item		
1/1/67	F:..... V:..... T:..... <u>B5: SAMPLES, SHOP DRAWINGS AND MNUFACTURER'S INSTRUCTIONS</u> Samples of materials (clause 5.1)	Item		
1/1/68	F:..... V:..... T:..... Workmanship samples (clause 5.2)	Item		
1/1/69	F:..... V:..... T:..... Shop drawings (clause 5.3)	Item		
1/1/70	F:..... V:..... T:..... Compliance with manufacturers' instructions (clause 5.4)	Item		
1/1/71	F:..... V:..... T:..... <u>B6: TEMPORARY WORKS AND PLANT</u> Deposits and fees (clause 6.1)	Item		
	Carried Forward		R	
	Section No. 1 PRELIMINARIES AND GENERAL Bill No. 1 PRELIMINARIES AND GENERAL			

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETS AND COMPLETION OF BCV ENTRANCE GATE**

	Brought Forward		R	
1/1/72	Enclosure of the works (clause 6.2) F:..... V:..... T:.....	Item		
1/1/73	Advertising (clause 6.3) F:..... V:..... T:.....	Item		
1/1/74	Plant, equipment, sheds and offices (clause 6.4) F:..... V:..... T:.....	Item		
1/1/75	Main notice board (clause 6.5) F:..... V:..... T:.....	Item		
1/1/76	Subcontractors' notice boards (clause 6.6) F:..... V:..... T:.....	Item		
	<u>B7: TEMPORARY SERVICES</u>			
1/1/77	Location (clause 7.1) F:..... V:..... T:.....	Item		
1/1/78	Water (clause 7.2) F:..... V:..... T:.....	Item		
1/1/79	Electricity (clause 7.3) F:..... V:..... T:.....	Item		
1/1/80	Telecommunication facilities (clause 7.4)	Item		
	Carried Forward		R	
	Section No. 1 PRELIMINARIES AND GENERAL Bill No. 1 PRELIMINARIES AND GENERAL			

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETS AND COMPLETION OF BCV ENTRANCE GATE**

	Brought Forward		R	
	F:..... V:..... T:.....			
1/1/81	Ablution facilities (clause 7.5)	Item		
	F:..... V:..... T:.....			
	<u>B8: PRIME COST AMOUNTS</u>			
1/1/82	Responsibility for prime cost amounts (clause 8.1)	Item		
	F:..... V:..... T:.....			
	<u>B9: ATTENDANCE ON NOMINATED / SELECTED SUBCONTRACTORS</u>			
1/1/83	General attendance (clause 9.1)	Item		
	F:..... V:..... T:.....			
1/1/84	Special attendance (clause 9.2)	Item		
	F:..... V:..... T:.....			
1/1/85	Commissioning - fuel, water and electricity (clause 9.3)	Item		
	F:..... V:..... T:.....			
	<u>B10: FINANCIAL ASPECTS</u>			
1/1/86	Statutory taxes, duties and levies (clause 10.1)	Item		
	F:..... V:..... T:.....			
1/1/87	Payment of preliminaries (clause 10.2)	Item		
	F:..... V:..... T:.....			
	Carried Forward		R	
	Section No. 1 PRELIMINARIES AND GENERAL Bill No. 1 PRELIMINARIES AND GENERAL			

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETS AND COMPLETION OF BCV ENTRANCE GATE**

	Brought Forward		R	
1/1/88	Adjustment of preliminaries (clause 10.3) F:..... V:..... T:.....	Item		
1/1/89	Payment certificate cash flow (clause 10.4) F:..... V:..... T:.....	Item		
	<u>B11: GENERAL</u>			
1/1/90	Protection of trees (clause 11.1) F:..... V:..... T:.....	Item		
1/1/91	Protection / isolation of existing / sectionally occupied work (clause 11.2) F:..... V:..... T:.....	Item		
1/1/92	Security of the works (clause 11.3) F:..... V:..... T:.....	Item		
1/1/93	Notice before covering (clause 11.4) F:..... V:..... T:.....	Item		
1/1/94	Disturbance (clause 11.5) F:..... V:..... T:.....	Item		
1/1/95	Environmental disturbance (clause 11.6) F:..... V:..... T:.....	Item		
	Carried Forward		R	
	Section No. 1 PRELIMINARIES AND GENERAL Bill No. 1 PRELIMINARIES AND GENERAL			

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETS AND COMPLETION OF BCV ENTRANCE GATE**

	Brought Forward		R	
1/1/96	Works cleaning and clearing (clause 11.7) F:..... V:..... T:.....	Item		
1/1/97	Vermin (clause 11.8) F:..... V:..... T:.....	Item		
1/1/98	Overhand work (clause 11.9) F:..... V:..... T:.....	Item		
1/1/99	Instruction manuals and guarantees (clause 11.10) F:..... V:..... T:.....	Item		
1/1/100	As built information (clause 11.11) F:..... V:..... T:.....	Item		
1/1/101	Tenant installation (clause 11.12) F:..... V:..... T:.....	Item		
	Carried Forward		R	
	Section No. 1 PRELIMINARIES AND GENERAL Bill No. 1 PRELIMINARIES AND GENERAL			

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETS AND COMPLETION OF BCV ENTRANCE GATE**

	Brought Forward		R	
	<p><u>SECTION C - SPECIFIC PRELIMINARIES</u></p> <p><u>C1: WARANTEES AND WORKMANSHIP</u></p>			
1/1/102	<p>Where warranties for materials are called for, the contractor shall obtain a written warranty, addressed to the employer, from the firm supplying the materials and/or doing the work and shall deliver same to the principal agent on the certified completion of the contract. The warranty shall state that workmanship, materials and installation are warranted for a specified period from the date of the certified completion of the contract, and that any defects that may arise during the specified period shall be made good at the expense of the firm supplying the materials and/or doing the work, upon written notice to do so. The warranty will not be enforced if the work is damaged by defects in the construction of the building in which case the responsibility for replacement shall rest entirely with the contractor</p> <p>F:..... V:..... T:.....</p>	Item		
	<p><u>C2: CO-OPERATION OF CONTRACTOR FOR COST MANAGEMENT</u></p>			
1/1/103	<p>It is specifically agreed that the contractor accepts the obligation of assisting the principal agent in implementing proper cost management. The contractor will be advised by the principal agent of all cost management procedures which will be implemented to ensure that the final building cost does not exceed the budget. The principal agent undertakes to make available to the contractor all budgetary allowances and cost assessments .reports to enable the proper procedures to e implemented and the contractor shall attend all cost plan review and cost management meetings. The contractor undertakes to extend these procedures, as necessary, to all subcontractors</p> <p>F:..... V:..... T:.....</p>	Item		
	Carried Forward			
	<p>Section No. 1 PRELIMINARIES AND GENERAL Bill No. 1 PRELIMINARIES AND GENERAL</p>		R	

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETS AND COMPLETION OF BCV ENTRANCE GATE**

	Brought Forward		R	
	<p><u>C3: TESTING OF WINDOWS FOR WATERTIGHTNESS</u></p>			
1/1/104	<p>Each window shall be tested for water tightness with water sprayed on by means of a hose pipe using adequate pressure. If in the opinion of the principal agent, the pressure proves t be inadequate, then the pressure in the hosepipe shall be boosted by means of compressed air or other approved means</p> <p>F:..... V:..... T:.....</p>	Item		
	<p><u>C4: NON CESSION OF MONIES</u></p>			
1/1/105	<p>The contractor shall not cede nor assign his rights or claims to any moneys due or to become due under this contract and no purported cession or assignment will be recognised without the written consent of the employer</p> <p>F:..... V:..... T:.....</p>	Item		
	<p><u>C5: CONTINGENCY</u></p>			
1/1/106	<p>A contingency amount is included in the Provisional Bill of Quantities. This amount may be expended wholly or partially at the discretion of the principal agent only. Should this amount not be utilised, it will be deducted from the contract amount at completion of the contract</p> <p>F:..... V:..... T:.....</p>	Item		
	Carried Forward			
	<p>Section No. 1 PRELIMINARIES AND GENERAL Bill No. 1 PRELIMINARIES AND GENERAL</p>		R	

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETS AND COMPLETION OF BCV ENTRANCE GATE**

	Brought Forward		R	
1/1/107	<p><u>C6: INSPECTION BY ARCHITECT</u></p> <p>The architect shall make such visits to the works as he may from time to time deem necessary. In the event of any matter arising with the contractor considers of such importance that the architect must be consulted, every reasonable attempt shall be made by the contractor to communicate with him before proceeding with the point at issue</p> <p>It must, however, be borne in mind that the architect is employed to ensure correct compliance with the terms of this contract, proper building procedures in accordance with the best traditions of the various trades and adequate finishes as specified and to his satisfaction</p> <p>The architect is thus in no way responsible for any act or omission on the part of the contractor which may result in any patent or latent defects in materials or workmanship, breach or neglect of any local regulations. The contractor therefore remains at all times responsible for any neglect, deviation or wrong act, whether the same be discovered before or after the final certificate, or any other certificate is issued</p> <p>F:..... V:..... T:.....</p> <p><u>C6: OCCUPATIONAL HEALTH AND SAFETY SPECIFICATIONS</u></p> <p><u>Tenderers must allow for compliance with all relevant statutory requirements as well as any specific requirements by the client as contained in these documents. Tenderers must note the following requirements and arrangements regarding the Health and Safety requirements</u> <u>F:..... V:.....</u> <u>T:.....</u></p>	Item		
1/1/108	<p>Preparation of Contractor's site specific Health and Safety Plan</p> <p>F:..... V:..... T:.....</p>	Item		
1/1/109	<p>Principal Contractor's initial obligations in respect of the OHS Act and Construction Regulations</p> <p>F:..... V:..... T:.....</p>	Item		
	Carried Forward		R	
	<p>Section No. 1 PRELIMINARIES AND GENERAL Bill No. 1 PRELIMINARIES AND GENERAL</p>			

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETS AND COMPLETION OF BCV ENTRANCE GATE**

	Brought Forward		R	
1/1/110	Principal Contractor's time related obligations in respect of the OHS Act and Construction Regulations F:..... V:..... T:.....	Item		
1/1/111	Costs of Medical certificates and Medical Surveillance: 1) Initial (baseline) medical examinations 2) Exit examinations F:..... V:..... T:.....	Item		
<u>SUMMARY OF CATEGORIES</u>				
1/1/112	Category : Fixed R.....	Item		
1/1/113	Category : Value R.....	Item		
1/1/114	Category : Time R.....	Item		
Carried to Final Summary				
Section No. 1 PRELIMINARIES AND GENERAL Bill No. 1 PRELIMINARIES AND GENERAL			R	

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETS AND COMPLETION OF BCV ENTRANCE GATE**

Item No		Unit	Quantity	Rate	Amount
	<u>BILL NO.1</u>				
	<u>ALTERATIONS AND DEMOLITION</u>				
	<u>PREAMBLES</u>				
	<p>The Model Preambles for Trades (2017 Edition) 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 are incorporated in these bills of quantities to satisfy the requirements of this project. Such supplementary preambles shall take precedence over the provisions of the Model Preambles</p>				
	<u>DRAWINGS, SPECIFICATIONS, DETAILS, SCHEDULES, PERFORMANCE REQUIREMENTS</u>				
	<p>The contractor shall refer to the drawings, specifications, details, schedules provided by the Architect/Specialists for detailed performance requirements related to this project</p> <p>Any dimensional discrepancies on drawings which are identified on site are to be reported before commencement of site works</p>				
	<u>REMOVAL OF EXISTING WORK</u>				
	<u>Breaking up and removing reinforced concrete, including cutting off and removing reinforcement</u>				
2/1/1	100mm Thick slabs	m2	58		
	<u>Breaking down and removing brickwork, etc.</u>				
2/1/2	Half brick wall	m2	17		
2/1/3	One brick wall	m2	196		
	Carried Forward			R	
	<p>Section No. 2 UPGRADE OF 21 EXISTING CHALETS Bill No. 1 ALTERATIONS AND DEMOLITION</p>				

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETS AND COMPLETION OF BCV ENTRANCE GATE**

Brought Forward				R
	<u>Taking out and removing doors, windows, etc., including thresholds, sills, etc. and close openings to match existing</u>			
2/1/4	Single leaf door including steel frame from existing one brick wall (store in safe place and re-use at new reposition)	No	22	
	<u>Taking out and removing doors, windows, etc., including thresholds, sills, etc. alter opening to prepare for new door, window etc (Else where measured)</u>			
2/1/5	2020 x 1 510mm Window from existing One brick wall	No	21	
2/1/6	Single leaf door including steel frame from existing one brick wall 900 x 2100mm high (to be replaced with new alluminium door elsewhere measured)	No	21	
	<u>Breaking out and forming openings through brick walls for new doors and frames including necessary precast concrete lintels and making good plaster on both sides and into reveals and concrete thresholds with steel trowelled finish (making good paintwork elsewhere)</u>			
2/1/7	Opening 900 x 2 100mm high through 230mm brick wall, including fitting existing door and new door frame (which was removed elsewhere complete)	No	21	
	<u>Taking up and removing vinyl floor coverings, carpeting, etc.,</u>			
2/1/8	Carpet tiles to floors including adhesive and preparing screed for new floor finish	m2	567	
	<u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc.</u>			
2/1/9	Suspended laying ceilings including tiles, gridwork, etc	m2	312	
2/1/10	Exisiting Gutters to be removed including down pipes etc, stored and then re-installed in new position, complete	No	21	
Carried Forward				R
Section No. 2 UPGRADE OF 21 EXISTING CHALETS Bill No. 1 ALTERATIONS AND DEMOLITION				

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETS AND COMPLETION OF BCV ENTRANCE GATE**

	Brought Forward			R	
	<u>Hack up/off and remove ceramic tiles, including removing mortar bed or backing from concrete or masonry and prepare surfaces</u>				
2/1/11	Tiles to walls	m2			RATE ONLY
2/1/12	Tiles to floors	m2			RATE ONLY
	<u>Taking out and removing joinery fittings, etc</u>				
2/1/13	2000mm x 600mm high Timber headboard	No	42		
2/1/14	1260 x 640 x 2500 high Cupboard (Existing Living room)	No	21		
2/1/15	840 x 400 x 2200mm high Cupboard (Existing Bedroom)	No	21		
2/1/16	Dismantle, remove and cart away cupboards stockpiled in room (will be confirmed by the client)	No	109		
	<u>Sundries</u>				
2/1/17	Heater board	No	42		
2/1/18	Taking out existing white grout from bathroom wall tiles and replace with dove grey grout	m2	502		
	Carried Forward to Summary of Section No. 2			R	
	Section No. 2 UPGRADE OF 21 EXISTING CHALETS Bill No. 1 ALTERATIONS AND DEMOLITION				

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETS AND COMPLETION OF BCV ENTRANCE GATE**

Item No	Quantity	Rate	Amount
<p><u>BILL NO.2</u></p> <p><u>EARTHWORKS</u></p> <p><u>PREAMBLES</u></p> <p>The Model Preambles for Trades (2017 Edition) 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 are incorporated in these bills of quantities to satisfy the requirements of this project. Such supplementary preambles shall take precedence over the provisions of the Model Preambles</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Nature of ground</u></p> <p>The nature of the ground is assumed to be loose sandy material, therefore "earth", but possibly interspersed with "soft rock" or "hard rock"</p> <p><u>Subterranean water</u></p> <p>No subterranean water is expected</p> <p><u>Carting away of excavated material</u></p> <p>Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site</p> <p><u>Filling</u></p> <p>Notwithstanding the reference to prescribed multiple handling in clause 1 page 6 of the Standard System of Measuring Building Work, prices for filling and backfilling shall include for all selection and any necessary multiple handling of material</p> <p><u>Testing</u></p>			
Carried Forward			R
<p>Section No. 2 UPGRADE OF 21 EXISTING CHALETS Bill No. 2 EARTHWORKS</p>			

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETS AND COMPLETION OF BCV ENTRANCE GATE**

	Brought Forward			R
	Prices for filling are to include for all necessary density tests in accordance with SABS 1200D			
	<u>DRAWINGS, SPECIFICATIONS, DETAILS, SCHEDULES, PERFORMANCE REQUIREMENTS</u>			
	The contractor shall refer to the drawings, specifications, details, schedules provided by the Architect/Specialists for detailed performance requirements related to this project			
	Any dimensional discrepancies on drawings which are identified on site are to be reported before commencement of site works			
	<u>EXCAVATION, ETC</u>			
	<u>Excavation in earth not exceeding 2m deep</u>			
2/2/1	Trenches	m3	116	
2/2/2	Holes	m3	35	
	<u>Risk of collapse of excavations</u>			
2/2/3	Risk of collapse of excavations to sides of trench and hole excavations not exceeding 1,5m deep	m2	358	
	<u>FILLING, ETC</u>			
	<u>Earth filling obtained from the excavations and/or prescribed stock piles on site, compacted to 93% Mod AASHTO density</u>			
2/2/4	Backfilling to trenches, holes, etc	m3	36	
2/2/5	Under floors, steps, pavings, etc	m3	9	
	<u>Coarse river sand filling supplied by the contractor</u>			
2/2/6	Under floors, etc	m3	10	
	Carried Forward to Summary of Section No. 2			R
	Section No. 2 UPGRADE OF 21 EXISTING CHALETS Bill No. 2 EARTHWORKS			

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETS AND COMPLETION OF BCV ENTRANCE GATE**

Item No	Quantity	Rate	Amount
<p><u>BILL NO.3</u></p> <p><u>CONCRETE, FORMWORK AND REINFORCEMENT</u></p> <p><u>PREAMBLES</u></p> <p>The Model Preambles for Trades (2017 Edition) 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 are incorporated in these bills of quantities to satisfy the requirements of this project. Such supplementary preambles shall take precedence over the provisions of the Model Preambles</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Cost of tests</u></p> <p>The costs of making, storing and testing of concrete test cubes as required under clause 7 "Tests" of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the architect. The testing shall be undertaken by an independent firm or institution nominated by the contractor and to the approval of the architect. (Test cubes are measured separately)</p> <p><u>Breeze concrete</u></p> <p>Breeze concrete shall consist of twelve parts clean dry furnace ash, free from coal or other foreign matter, to one part cement (12:1), the ash graded up to particles which will pass a 16,5mm ring from a minimum which fails to pass a 4,75mm mesh. The finer materials from the screening are to be first mixed with the cement into a mortar and the ash added afterwards and thoroughly incorporated</p> <p><u>Formwork</u></p>			
Carried Forward			R
<p>Section No. 2 UPGRADE OF 21 EXISTING CHALETS Bill No. 3 CONCRETE, FORMWORK AND REINFORCEMENT</p>			

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETS AND COMPLETION OF BCV ENTRANCE GATE**

<p style="text-align: center;">Brought Forward</p> <p>Description of formwork shall be deemed to include use and waste only (except where described as "left in" or "permanent"), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use</p> <p>The vertical strutting shall be carried down to such construction as is sufficiently strong to afford the required support without damage and shall remain in position until the newly constructed work is able to support itself</p> <p>Formworks to soffits of solid slabs etc shall be deemed to be slabs not exceeding 250mm thick unless otherwise described</p> <p>Formwork to soffits of slabs, beams, etc shall be deemed to be propped up exceeding 1,5m and not exceeding 3,5m high unless otherwise described</p> <p>Formwork to sides of bases, pile caps, ground beams, etc will only be measured where it is prescribed by the engineer for design reasons. Formwork necessitated by irregularity or collapse of excavated faces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavations, provision for which is made in "Earthworks"</p> <p><u>DRAWINGS, SPECIFICATIONS, DETAILS, SCHEDULES, PERFORMANCE REQUIREMENTS</u></p> <p>The contractor shall refer to the drawings, specifications, details, schedules provided by the Architect/Specialists for detailed performance requirements related to this project</p> <p>Any dimensional discrepancies on drawings which are identified on site are to be reported before commencement of site works</p> <p><u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u></p>			R	
Carried Forward			R	
<p>Section No. 2 UPGRADE OF 21 EXISTING CHALETS Bill No. 3 CONCRETE, FORMWORK AND REINFORCEMENT</p>				

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETS AND COMPLETION OF BCV ENTRANCE GATE**

	Brought Forward			R
	<u>20 MPa/19 mm concrete</u>			
2/3/1	Strip footings	m3	64	
2/3/2	Surface beds on waterproofing	m3	19	
	<u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>			
	<u>20 MPa/19 mm concrete</u>			
2/3/3	Footings	m3	7	
	<u>TEST BLOCKS</u>			
2/3/4	Making and testing 150 x 150 x 150mm concrete strength test cubeas directed by the Architect	No	21	
	<u>REINFORCEMENT</u>			
2/3/5	Welded mesh ref 193 for floors	m2	215	
	 Carried Forward to Summary of Section No. 2			R
	Section No. 2 UPGRADE OF 21 EXISTING CHALETS Bill No. 3 CONCRETE, FORMWORK AND REINFORCEMENT			

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETS AND COMPLETION OF BCV ENTRANCE GATE**

Item No	Quantity	Rate	Amount
<p><u>BILL NO.4</u></p> <p><u>MASONRY</u></p> <p><u>PREAMBLES</u></p> <p>The Model Preambles for Trades (2017 Edition) 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 are incorporated in these bills of quantities to satisfy the requirements of this project. Such supplementary preambles shall take precedence over the provisions of the Model Preambles</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Sizes in descriptions</u></p> <p>Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick</p> <p><u>Face bricks</u></p> <p>Bricks shall be ordered timeously to obtain uniformity in size and colour</p> <p><u>Hollow walls etc</u></p> <p>Descriptions of hollow walls shall be deemed to include leaving every fifth perpend of the bottom course of the external skin open as a weep hole.</p>			
Carried Forward			R
<p>Section No. 2 UPGRADE OF 21 EXISTING CHALETS Bill No. 4 MASONRY</p>			

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETS AND COMPLETION OF BCV ENTRANCE GATE**

Brought Forward			R
<u>DRAWINGS, SPECIFICATIONS, DETAILS, SCHEDULES, PERFORMANCE REQUIREMENTS</u>			
The contractor shall refer to the drawings, specifications, details, schedules provided by the Architect/Specialists for detailed performance requirements related to this project			
Any dimensional discrepancies on drawings which are identified on site are to be reported before commencement of site works			
<u>BRICKWORK</u>			
<u>FOUNDATIONS</u>			
<u>Brickwork of NFX bricks (14 MPa nominal compressive strength) in class II mortar</u>			
2/4/1	One brickwall	m2	140
<u>SUPERSTRUCTURE</u>			
<u>Brickwork (Tie into existing brickwork)</u>			
2/4/2	Half brick walls	m2	27
2/4/3	Half brick walls in beamfilling	m2	51
2/4/4	One brick walls	m2	548
<u>FACE BRICKWORK</u>			
<u>Face bricks (PC = R 5 000 per thousand) pointed with recessed horizontal and vertical joints (Face bricks to match existing)</u>			
2/4/5	Extra over brickwork in NFP bricks for face brickwork	m2	548
2/4/6	Ditto, in beamfilling	m2	51
<u>BRICKWORK SUNDRIES</u>			
<u>2,5 mm Brickwork reinforcement</u>			
2/4/7	75 mm Wide reinforcement built in horizontally	m	148
Carried Forward			R
Section No. 2 UPGRADE OF 21 EXISTING CHALETS Bill No. 4 MASONRY			

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETS AND COMPLETION OF BCV ENTRANCE GATE**

Brought Forward			R
2/4/8	150mm Wide reinforcement built in horizontally	m	2,691
	<u>Prestressed fabricated concrete lintels including necessary temporary supports</u>		
2/4/9	70 x 100 mm Lintels in lengths not exceeding 3 m	m	124
	<u>Galvanised wire ties, etc</u>		
2/4/10	4 mm Diameter roof tie 2 m girth bent double, with one end built into brickwork and other end fixed to timber	No	699
	<u>NUTEC-CEMENT/FIBRE-CEMENT WINDOW SILLS</u>		
	<u>Sills in single lengths bedded in class I mortar including metal fixing lugs, etc.</u>		
2/4/11	15 x 225 mm Wide sills set flat and slightly projecting	m	60
Carried Forward to Summary of Section No. 2			R
Section No. 2 UPGRADE OF 21 EXISTING CHALETS Bill No. 4 MASONRY			

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETS AND COMPLETION OF BCV ENTRANCE GATE**

Item No		Quantity	Rate	Amount
	<u>BILL NO.5</u>			
	<u>WATERPROOFING</u>			
	<u>PREAMBLES</u>			
	The Model Preambles for Trades (2017 Edition) 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			
	Supplementary preambles are incorporated in these bills of quantities to satisfy the requirements of this project. Such supplementary preambles shall take precedence over the provisions of the Model Preambles			
	<u>DRAWINGS, SPECIFICATIONS, DETAILS, SCHEDULES, PERFORMANCE REQUIREMENTS</u>			
	The contractor shall refer to the drawings, specifications, details, schedules provided by the Architect/Specialists for detailed performance requirements related to this project			
	Any dimensional discrepancies on drawings which are identified on site are to be reported before commencement of site works			
	<u>DAMPPROOFING OF WALLS AND FLOORS</u>			
	<u>"Tarkon Green" 250 micron damp proof sheeting (SANS 952 - 1985 type B) laid in strict accordance with manufacturer's specifications</u>			
2/5/1	Under surface beds	m2	136	
	<u>"TAL" BRUSH ON WATERPROOFING IN STRICT ACCORDANCE WITH</u>			
2/5/2	On walls in shower	m2		RATE ONLY
2/5/3	Shower floor	m2		RATE ONLY
	Carried Forward to Summary of Section No. 2			R
	Section No. 2 UPGRADE OF 21 EXISTING CHALETS Bill No. 5 WATERPROOFING			

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETS AND COMPLETION OF BCV ENTRANCE GATE**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO.7</u></p> <p><u>ROOF COVERINGS</u></p> <p><u>PREAMBLES</u></p> <p>The Model Preambles for Trades (2017 Edition) 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 are incorporated in these bills of quantities to satisfy the requirements of this project. Such supplementary preambles shall take precedence over the provisions of the Model Preambles</p> <p><u>DRAWINGS, SPECIFICATIONS, DETAILS, SCHEDULES, PERFORMANCE REQUIREMENTS</u></p> <p>The contractor shall refer to the drawings, specifications, details, schedules provided by the Architect/Specialists for detailed performance requirements related to this project</p> <p>Any dimensional discrepancies on drawings which are identified on site are to be reported before commencement of site works</p> <p><u>PROFILED METAL SHEETING AND ACCESSORIES</u></p> <p><u>0.6 mm Klip-Lok 700 roof sheets finished with chromadeck in colour as specified by park manager, and fixed on top of lipped channel sections with appropriate roof screws complete with bonded washers</u></p>			
2/6/1	Roof covering with pitches not exceeding 25 degrees	m2	1,043	
	<p><u>SHEET METAL FLASHINGS, LININGS, COPINGS, ETC</u></p> <p><u>0,6 mm Galvanised sheet steel with chromadek finish on one side</u></p>			
2/6/2	Crank flashings 600 mm girth	m	335	
	Carried Forward to Summary of Section No. 2			R
	Section No. 2 UPGRADE OF 21 EXISTING CHALETS Bill No. 6 ROOF COVERINGS			

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETS AND COMPLETION OF BCV ENTRANCE GATE**

Item No	Quantity	Rate	Amount
<p><u>BILL NO.6</u></p> <p><u>CARPENTRY & JOINERY</u></p> <p><u>PREAMBLES</u></p> <p>The Model Preambles for Trades (2017 Edition) 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 are incorporated in these bills of quantities to satisfy the requirements of this project. Such supplementary preambles shall take precedence over the provisions of the Model Preambles</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Fixing</u></p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be shot pinned, to brickwork or concrete</p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere</p> <p><u>Joinery</u></p> <p>Descriptions of frames shall be deemed to include frames, transomes, rails, etc</p> <p>Descriptions of hardwood joinery shall be deemed to include sinking and pelleting heads and nuts of bolts</p> <p><u>Decorative laminate finish:</u></p> <p>Laminate finish shall be glued under pressure. Edge strips shall be butt jointed at junctions with adjacent similar finish</p>			
Carried Forward			R
<p>Section No. 2 UPGRADE OF 21 EXISTING CHALETS Bill No. 7 CARPENTRY AND JOINERY</p>			

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETS AND COMPLETION OF BCV ENTRANCE GATE**

	Brought Forward			R
	<p><u>DRAWINGS, SPECIFICATIONS, DETAILS, SCHEDULES, PERFORMANCE REQUIREMENTS</u></p> <p>The contractor shall refer to the drawings, specifications, details, schedules provided by the Architect/Specialists for detailed performance requirements related to this project</p> <p>Any dimensional discrepancies on drawings which are identified on site are to be reported before commencement of site works</p> <p><u>UNTREATED BALAU TIMBER</u></p> <p><u>Timber beam</u></p>			
2/7/1	38 x 228mm treated timber beam with galvanised steel angle cleats fixed with threaded Coach Bolts as per drawings and specification	m	443	
	<p><u>Skirting</u></p> <p><u>Wrought meranti</u></p>			
2/7/2	22 x 70mm meranti timber skirting fixed to walls with screws	m	480	
2/7/3	Meranti Quadrant (42 x 30 x 3000mm) plugged	m	480	
	Carried Forward to Summary of Section No. 2			R
	<p>Section No. 2 UPGRADE OF 21 EXISTING CHALETS Bill No. 7 CARPENTRY AND JOINERY</p>			

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETS AND COMPLETION OF BCV ENTRANCE GATE**

Item No		Unit	Quantity	Rate	Amount
	<u>BILL NO.10</u>				
	<u>CEILINGS, ETC</u>				
	<u>PREAMBLES</u>				
	The Model Preambles for Trades (2017 Edition) 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				
	Supplementary preambles are incorporated in these bills of quantities to satisfy the requirements of this project. Such supplementary preambles shall take precedence over the provisions of the Model Preambles				
	<u>DRAWINGS, SPECIFICATIONS, DETAILS, SCHEDULES, PERFORMANCE REQUIREMENTS</u>				
	The contractor shall refer to the drawings, specifications, details, schedules provided by the Architect/Specialists for detailed performance requirements related to this project				
	Any dimensional discrepancies on drawings which are identified on site are to be reported before commencement of site works				
	<u>NAILED-UP CEILINGS</u>				
	<u>Flush plastered ceiling</u>				
2/8/1	Ceilings including 38 x 38 mm sawn softwood brandering at 600 mm centres in both directions	m2	282		
2/8/2	Extra over ceiling for 600 x 600 mm trap door of 38 x 38 mm wrought softwood rebated framing with one 38 x 50 mm sawn softwood cross brander covered with ceiling board and fitted flush in opening	No	21		
2/8/3	12mm Gypsum board/plaster board wall panneling	m2	239		
	<u>Gypsum plasterboard cornices</u>				
2/8/4	75 mm Coved cornices, plugged	m	288		
	Carried Forward to Summary of Section No. 2				R
	Section No. 2 UPGRADE OF 21 EXISTING CHALETS Bill No. 8 CEILINGS, PARTITIONS AND ACCESS FLOORING				

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETS AND COMPLETION OF BCV ENTRANCE GATE**

Item No	Quantity	Rate	Amount			
<p><u>BILL NO. 11</u></p> <p><u>FLOOR COVERINGS, WALL LININGS, ETC.</u></p> <p><u>PREAMBLES</u></p> <p>The Model Preambles for Trades (2017 Edition) 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 are incorporated in these bills of quantities to satisfy the requirements of this project. Such supplementary preambles shall take precedence over the provisions of the Model Preambles</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Fixing</u></p> <p>Floor coverings, wall linings, etc shall, where applicable, be fixed with adhesive as recommended by the manufacturers of the flooring, linings, etc</p> <p>Rates for floor coverings are to include for rapid drying self-levelling sub-floor smoothing compound as recommended by the flooring supplier</p> <p><u>DRAWINGS, SPECIFICATIONS, DETAILS, SCHEDULES, PERFORMANCE REQUIREMENTS</u></p> <p>The contractor shall refer to the drawings, specifications, details, schedules provided by the Architect/Specialists for detailed performance requirements related to this project</p> <p>Any dimensional discrepancies on drawings which are identified on site are to be reported before commencement of site works</p> <p><u>FLOOR COVERINGS</u></p> <p style="text-align: right;">Carried Forward</p> <p>Section No. 2 UPGRADE OF 21 EXISTING CHALETS Bill No. 9 FLOOR COVERINGS</p>						
		R				

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETS AND COMPLETION OF BCV ENTRANCE GATE**

	Brought Forward			R	
	<u>Carpet tiles including adhesive</u>				
2/9/1	Belgotex Essex range floor carpet (as specified by architect)	m2	713		
	<u>Aluminium carpet strip</u>				
2/9/2	Aluminum carpet strip between tiled floors and carpet	m	233		
	<u>Laminated Timber Flooring</u>				
2/9/3	Laminated flooring 1261mm x 192mm x 8mm thickness Vibrance V4 range, class 32//AC4(code: VIV355), including necessary fixing, complete (colour as specified by Architect)	m2			RATE ONLY
	Carried Forward to Summary of Section No. 2			R	
	Section No. 2 UPGRADE OF 21 EXISTING CHALETS Bill No. 9 FLOOR COVERINGS				

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETS AND COMPLETION OF BCV ENTRANCE GATE**

Item No		Quantity	Rate	Amount
	<u>BILL NO. 12</u>			
	<u>STRUCTURAL STEELWORK</u>			
	<u>PREAMBLES</u>			
	<p>The Model Preambles for Trades (2017 Edition) 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 are incorporated in these bills of quantities to satisfy the requirements of this project. Such supplementary preambles shall take precedence over the provisions of the Model Preambles</p>			
	<u>DRAWINGS, SPECIFICATIONS, DETAILS, SCHEDULES, PERFORMANCE REQUIREMENTS</u>			
	<p>The contractor shall refer to the drawings, specifications, details, schedules provided by the Architect/Specialists for detailed performance requirements related to this project</p> <p>Any dimensional discrepancies on drawings which are identified on site are to be reported before commencement of site works</p>			
	<u>SUNDRY GALVANISED STEELWORK</u>			
	<u>STEEL COLUMNS AND BEAMS</u>			
2/10/1	89 mm Diam. M/S CHS columns planted in column	m	373	
	<u>STEEL PURLINS, GIRTS, BRACING, ETC</u>			
2/10/2	100 x 50 x 20mm Thick M/S CHS purlins, including bolts,etc	m	565	
2/10/3	125 x 65 x 20mm Thick M/S CHS purlins,including bolts, etc	m	271	
	Carried Forward			R
	<p>Section No. 2 UPGRADE OF 21 EXISTING CHALETS Bill No. 10 STRUCTURAL STEELWORK</p>			

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETS AND COMPLETION OF BCV ENTRANCE GATE**

	Brought Forward			R
	<u>BOLTS, FASTENERS, ETC</u>			
2/10/4	M20 U-shaped threaded anchor bolt embedded in top of concrete	No	223	
	Carried Forward to Summary of Section No. 2			R
	Section No. 2 UPGRADE OF 21 EXISTING CHALETS Bill No. 10 STRUCTURAL STEELWORK			

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETS AND COMPLETION OF BCV ENTRANCE GATE**

Item No	Quantity	Rate	Amount
<p><u>BILL NO.13</u></p> <p><u>METALWORK</u></p> <p><u>PREAMBLES</u></p> <p>The Model Preambles for Trades (2017 Edition) 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 are incorporated in these bills of quantities to satisfy the requirements of this project. Such supplementary preambles shall take precedence over the provisions of the Model Preambles</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Descriptions of bolts, anchors, etc</u></p> <p>Descriptions of bolts shall be deemed to include nuts and washers</p> <p>Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete</p> <p>Items described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described</p> <p>Items described as "plugged" shall be deemed to include for holes and screwing to fibre, plastic or metal plugs at not exceeding 600mm centres</p> <p><u>DRAWINGS, SPECIFICATIONS, DETAILS, SCHEDULES, PERFORMANCE REQUIREMENTS</u></p> <p>The contractor shall refer to the drawings, specifications, details, schedules provided by the Architect/Specialists for detailed performance requirements related to this project</p> <p>Any dimensional discrepancies on drawings which are identified on site are to be reported before commencement of site works</p> <p style="text-align: right;">Carried Forward</p>			
		R	
<p>Section No. 2 UPGRADE OF 21 EXISTING CHALETS Bill No. 11 METALWORK</p>			

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETS AND COMPLETION OF BCV ENTRANCE GATE**

Brought Forward		R
<u>ALUMINIUM WINDOWS, DOORS, ETC</u>		
<u>Standard residential windows</u>		
2/11/1	Aluminium window and frame with clear glass,powder coated to match existing aluminium doors and windows, W01- overall size 2415 x 500mm high. Also refer to Window schedule- DWG No:940	No 21
2/11/2	Aluminium window and frame with clear glass,powder coated to match existing aluminium doors and windows, W02- overall size 778 x 2040mm high. Also refer to Window schedule- DWG No:940	No 21
<u>Doors</u>		
2/11/3	Purpose made aluminium Sliding door with clear glass panel, powder coated to match colour of existing aluminium shop fronts. D01 - overall size 2025 x 2000mm. Also refer to door schedule DWNG-900	No 21
<u>SHOWER CUBICLE DOOR</u>		
<u>"Showerlux" white anodised aluminium shower cubicle doors with hinges, cleats, stops, etc and 6 mm toughened obscure safety glass plugged to tiled walls</u>		
2/11/4	Door 920 x 1 800 mm high	No
Carried Forward to Summary of Section No. 2		R
Section No. 2 UPGRADE OF 21 EXISTING CHALETS Bill No. 11 METALWORK		

RATE ONLY

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETS AND COMPLETION OF BCV ENTRANCE GATE**

Item No		Quantity	Rate	Amount
	<u>BILL NO. 8</u>			
	<u>PLASTERING</u>			
	<u>PREAMBLES</u>			
	The Model Preambles for Trades (2017 Edition) 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			
	Supplementary preambles are incorporated in these bills of quantities to satisfy the requirements of this project. Such supplementary preambles shall take precedence over the provisions of the Model Preambles			
	<u>DRAWINGS, SPECIFICATIONS, DETAILS, SCHEDULES, PERFORMANCE REQUIREMENTS</u>			
	The contractor shall refer to the drawings, specifications, details, schedules provided by the Architect/Specialists for detailed performance requirements related to this project			
	Any dimensional discrepancies on drawings which are identified on site are to be reported before commencement of site works			
	<u>SCREEDS</u>			
	<u>Screeds on concrete</u>			
2/12/1	25 mm Thick on floors and landings	m2	299	
	<u>INTERNAL PLASTER</u>			
	<u>One coat cement plaster on brickwork</u>			
2/12/2	On walls	m2	589	
2/12/3	On narrow widths	m2	29	
	<u>EXTERNAL PLASTER</u>			
	Carried Forward			R
	Section No. 2 UPGRADE OF 21 EXISTING CHALETS Bill No. 12 PLASTERING			

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETS AND COMPLETION OF BCV ENTRANCE GATE**

Item No	Unit	Quantity	Rate	Amount
<p><u>BILL NO.9</u></p> <p><u>TILING</u></p> <p><u>PREAMBLES</u></p> <p>The Model Preambles for Trades (2017 Edition) 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 are incorporated in these bills of quantities to satisfy the requirements of this project. Such supplementary preambles shall take precedence over the provisions of the Model Preambles</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Descriptions</u></p> <p>Unless described as "fixed with adhesive to plaster (plaster elsewhere)" descriptions of tiling on brick or concrete walls, columns, etc shall be deemed to include 1:4 cement plaster backing and descriptions of tiling on concrete floors etc shall be deemed to include 1:3 plaster bedding</p> <p><u>DRAWINGS, SPECIFICATIONS, DETAILS, SCHEDULES, PERFORMANCE REQUIREMENTS</u></p> <p>The contractor shall refer to the drawings, specifications, details, schedules provided by the Architect/Specialists for detailed performance requirements related to this project</p> <p>Any dimensional discrepancies on drawings which are identified on site are to be reported before commencement of site works</p> <p><u>WALL TILING</u></p>				
Carried Forward			R	
<p>Section No. 2 UPGRADE OF 21 EXISTING CHALETS Bill No. 13 TILING</p>				

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETS AND COMPLETION OF BCV ENTRANCE GATE**

Brought Forward				R	
	<u>200 x 200mm Johnsons white glazed ceramic tiles, fixed with TAL tile adhesive to backings with straight joints in both directions, jointed and flush with Tal tile light grey grout. (Allow PC amount of R170/m2)</u>				
2/13/1	On walls	m2	356		
2/13/2	On narrow widths	m2			RATE ONLY
	<u>45 x 45mm white gloss tiles , fixed with TAL tile adhesive to backings with straight joints in both directions, jointed and flush with Tal tile light grey grout.</u>				
2/13/3	On shower walls	m2			RATE ONLY
2/13/4	On splash backs	m2			RATE ONLY
	<u>FLOOR TILING</u>				
	<u>300x300mm fullbodied [MJGOCTIA3] porcelain tiles from RVV. Matt finish, fixed with TAL tile adhesive to backings with straight joints in both directions, jointed and flush with Dove grey Tal tile grout. (Allow PC amount of R250/m2)</u>				
2/13/5	On floors and landings	m2	158		
2/13/6	Skirting	m	464		
	<u>45 x 45mm white gloss tiles (non-slip), fixed with TAL tile adhesive to backings with straight joints in both directions, jointed and flush with Tal tile light grey grout.</u>				
2/13/7	On shower floors	m2			RATE ONLY
	Carried Forward to Summary of Section No. 2			R	
	Section No. 2 UPGRADE OF 21 EXISTING CHALETS Bill No. 13 TILING				

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETS AND COMPLETION OF BCV ENTRANCE GATE**

Item No	Quantity	Rate	Amount
<p><u>BILL NO.14</u></p> <p><u>PLUMBING AND DRAINAGE</u></p> <p><u>PREAMBLES</u></p> <p>The Model Preambles for Trades (2017 Edition) 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 are incorporated in these bills of quantities to satisfy the requirements of this project. Such supplementary preambles shall take precedence over the provisions of the Model Preambles</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Stainless steel basins, sinks, wash troughs, urinals, etc</u></p> <p>Stainless steel for economy basins, domestic sinks and worktops shall be Type 430 (17/0)</p> <p>Stainless steel for urinals, basins, quality sinks, wash troughs, institutional equipment, etc shall be Type 304 (18/8)</p> <p>Stainless steel for laboratory sinks, photographic equipment, etc shall be Type 316 (18/8)</p> <p>Units shall have standard aprons on all exposed edges and tiling keys against walls where applicable</p> <p><u>Sealing of edges</u></p> <p>Outer edges of sinks, basins, baths, urinals, etc are to be sealed against adjacent surfaces with approved silicone</p>			
Carried Forward			R
<p>Section No. 2 UPGRADE OF 21 EXISTING CHALETS Bill No. 14 PLUMBING AND DRAINAGE</p>			

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETS AND COMPLETION OF BCV ENTRANCE GATE**

<p style="text-align: center;">Brought Forward</p> <p><u>uPVC pipes and fittings</u></p> <p>Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings</p> <p>Soil, waste and vent pipes and fittings shall be solvent weld jointed or sealed with butyl rubber rings</p> <p><u>uPVC pressure pipes and fittings</u></p> <p>Pipes of 50mm diameter and smaller shall be plain ended with solvent welded uPVC loose sockets and fittings</p> <p>Pipes of 63mm diameter and greater shall have sockets and spigots with push-in type integral rubber ring joints. Bends shall be uPVC and all other fittings shall be cast iron, all with similar push-in type joints</p> <p><u>High density polyethylene (HDPe) pipes and fittings</u></p> <p>Pipes shall be type IV and of the class specified with "Plasson" or "Alprene" compression fittings</p> <p><u>Reducing fittings</u></p> <p>Where fittings have reducing ends or branches they are described as "reducing" and only the largest end or branch size is given. Should the contractor wish to use other fittings and bushes or reducers he may do so on the understanding that no claim in this regard will be entertained</p> <p><u>Fixing of pipes</u></p> <p>Unless specifically otherwise stated, descriptions of pipes shall be deemed to include fixing to walls, etc, casting in, building in or suspending not exceeding 1m below suspension level</p> <p><u>Disinfection of water pipework</u></p> <p>Water pipework is to be disinfected at completion in accordance with SABS 1200L (provision for disinfection elsewhere)</p>			R	
<p style="text-align: center;">Carried Forward</p> <p>Section No. 2 UPGRADE OF 21 EXISTING CHALETS Bill No. 14 PLUMBING AND DRAINAGE</p>			R	

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETS AND COMPLETION OF BCV ENTRANCE GATE**

<p style="text-align: center;">Brought Forward</p> <p><u>Laying, backfilling, bedding, etc of pipes</u></p> <p>Pipes shall be laid and bedded in accordance with manufacturers' instructions and trenches shall be carefully backfilled</p> <p>Where no manufacturers' instructions exist, pipes shall be laid in accordance with Clauses 5.1 and 5.2 of each of the following: SABS 1200L : Medium-pressure pipelines SABS 1200LD : Sewers SABS 1200LE: Stormwater drainage</p> <p>Pipe trenches, etc shall be backfilled in accordance with Clauses 3, 5.5, 5.6, 5.7 and 7 of SABS 1200DB : Earthworks (Pipe trenches)</p> <p>Pipes shall be bedded in accordance with Clauses 3.1 to 3.4.1, 5.1 to 5.3 and 7 of SABS 1200LB : Bedding (Pipes)</p> <p>Unless otherwise described bedding of rigid pipes shall be Class B bedding</p> <p><u>General</u></p> <p>Descriptions of cast iron roof outlets shall be deemed to include joints to pipes and casting into concrete (adaptors for joints to PVC pipes, etc are given separately)</p> <p>Descriptions of overflow pipes where measured in number, shall be deemed to include joints to cisterns and splay cut ends</p> <p>Descriptions of pipes laid in and including trenches and of inspection chambers, catchpits, etc shall be deemed to include excavation, bedding, backfilling, compaction to a minimum of 93% Mod AASHTO density and disposal of surplus material on site</p> <p>Descriptions of service pipes and flexible connecting pipes shall be deemed to include connections to taps, cisterns, etc and to steel pipes (adaptors for connections to copper pipes, etc are given separately)</p> <p>Descriptions of WC pans, slop hoppers, etc shall be deemed to include for joints to soil pipes (pan connectors are separately measured)</p>			R	
<p style="text-align: center;">Carried Forward</p> <p>Section No. 2 UPGRADE OF 21 EXISTING CHALETS Bill No. 14 PLUMBING AND DRAINAGE</p>			R	

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETS AND COMPLETION OF BCV ENTRANCE GATE**

	Brought Forward		R	
	<p><u>As-built drawings</u></p> <p>Where required, the contractor shall prepare an updated set of as-built drawings. At completion of the contract the contractor shall hand these drawings to the principal agent for reproducing onto the originals for handing over to the employer (provision for allowance of as-built drawings elsewhere)</p> <p><u>DRAWINGS, SPECIFICATIONS, DETAILS, SCHEDULES, PERFORMANCE REQUIREMENTS</u></p> <p>The contractor shall refer to the drawings, specifications, details, schedules provided by the Architect/Specialists for detailed performance requirements related to this project</p> <p>Any dimensional discrepancies on drawings which are identified on site are to be reported before commencement of site works</p> <p><u>SANITARY FITTINGS</u></p> <p><u>Stainless steel</u></p>			
2/14/1	<p>Quinline S/S Sink SEB/T 970x500mm polished stainless steel single end bowl drop on sink , overall size 970 x 500mm with one single deep bowl, fitted onto cupboard (elsewhere specified)</p>	No		RATE ONLY
	<p><u>Vaal</u></p>			
2/14/2	<p>Weaver Counter Top Basin colour White, size 590 x 450mm</p>	No		RATE ONLY
2/14/3	<p>Concorde 2 C/C Suite WC and seat</p>	No		RATE ONLY
	<p><u>SUNDRIES</u></p>			
2/14/4	<p>Allow provisional amount of R40 000 (Fourty Thousand Rand) for the supply and fix of plumbing taps,mixers, traps,shower, etc.</p>			
2/14/5	<p>Allow for Profit</p>		%	
2/14/6	<p>Allow for attendance</p>		%	
	Carried Forward to Summary of Section No. 2		R	
	<p>Section No. 2 UPGRADE OF 21 EXISTING CHALETS Bill No. 14 PLUMBING AND DRAINAGE</p>			

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETS AND COMPLETION OF BCV ENTRANCE GATE**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 15</u></p> <p><u>GLAZING</u></p> <p><u>PREAMBLES</u></p> <p>The Model Preambles for Trades (2017 Edition) 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 are incorporated in these bills of quantities to satisfy the requirements of this project. Such supplementary preambles shall take precedence over the provisions of the Model Preambles</p> <p><u>DRAWINGS, SPECIFICATIONS, DETAILS, SCHEDULES, PERFORMANCE REQUIREMENTS</u></p> <p>The contractor shall refer to the drawings, specifications, details, schedules provided by the Architect/Specialists for detailed performance requirements related to this project</p> <p>Any dimensional discrepancies on drawings which are identified on site are to be reported before commencement of site works</p> <p><u>MIRRORS, ETC</u></p> <p><u>5mm Silvered float glass copper backed mirrors with polished edges, fixed to and including 15mm thick plywood backing plugged to brickwork or stonework</u></p>			
2/15/1	Mirros 1200x 600mm high	No	24	
	Carried Forward to Summary of Section No. 2			R
	<p>Section No. 2 UPGRADE OF 21 EXISTING CHALETS Bill No. 15 GLAZING</p>			

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETS AND COMPLETION OF BCV ENTRANCE GATE**

Item No	Quantity	Rate	Amount
<p><u>BILL NO.16</u></p> <p><u>PAINTWORK</u></p> <p><u>PREAMBLES</u></p> <p>The Model Preambles for Trades (2017 Edition) 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 are incorporated in these bills of quantities to satisfy the requirements of this project. Such supplementary preambles shall take precedence over the provisions of the Model Preambles</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Paint specifications</u></p> <p>All painting shall be done in accordance with "Plascon" specifications unless otherwise described</p> <p>Descriptions for painting will deem to include for all necessary preparation, stopping and painting of all sealers, primers, undercoats, etc., all in strict accordance with the manufacturer's instructions</p> <p><u>Colours</u></p> <p>Unless otherwise described all paintwork shall be deemed to have a colour value in excess of 7 on the Munsell system in accordance with SANS 1091</p> <p><u>DRAWINGS, SPECIFICATIONS, DETAILS, SCHEDULES, PERFORMANCE REQUIREMENTS</u></p> <p>The contractor shall refer to the drawings, specifications, details, schedules provided by the Architect/Specialists for detailed performance requirements related to this project</p> <p>Any dimensional discrepancies on drawings which are identified on site are to be reported before commencement of site works</p> <p style="text-align: right;">Carried Forward</p> <p>Section No. 2 UPGRADE OF 21 EXISTING CHALETS Bill No. 16 PAINTWORK</p>			R

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETS AND COMPLETION OF BCV ENTRANCE GATE**

Brought Forward			R
<u>ON PLASTER</u>			
<u>Prepare and finish two coat Plascon Expressions [E16-2] Applied all in accordance with the manufactures's specifications. COLOUR TO BE CONFIRMED BY CLIENT</u>			
2/16/1	On existing internal cement plastered walls	m2	1,723
<u>Prepare and finish two coat NUROOF COOL - TRP212 Khaki Dawn paint. Applied all in accordance with the manufactures's specifications.</u>			
2/16/2	On existing external cement plastered walls	m2	1,318
2/16/3	Pipes, etc not exceeding 300mm	m	688
<u>Prepare and prime with one coat Plascon Plater Primer and finish with two coats Plascon Paint. Applied all in accordance with the manufactures's specifications. COLOUR TO BE CONFIRMED BY CLIENT</u>			
2/16/4	Existing ceilings	m2	306
<u>Prepare and finish two coat NUROOF COOL - TRP200 Khaki Atmosphere gray. Applied all in accordance with the manufactures's specifications.</u>			
2/16/5	Fascia and barge board, etc not exceeding 300mm	m	558
2/16/6	Roofing	m2	1,214
<u>ON WOOD</u>			
<u>Prep and varnish wooden cladding walls and sealing (P.U.M varnish)</u>			
2/16/7	Ceilings and walls	m2	1,274
2/16/8	Eaves ceilings	m2	191
2/16/9	Varnish to beams,purlines, etc not exceeding 300mm	m	1,296
<u>Prep and varnish wooden doors (P.U.M varnish)</u>			
2/16/10	Doors	m2	196
Carried Forward			R
Section No. 2 UPGRADE OF 21 EXISTING CHALETS Bill No. 16 PAINTWORK			

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETS AND COMPLETION OF BCV ENTRANCE GATE**

	Brought Forward			R
2/16/11	Door frame	m2	192	
	<u>ON METAL SURFACES</u>			
	<u>Prepare and finish two coat NUROOF COOL - TRP200 Khaki Atmosphere gray. Applied all in accordance with the maufactures's specifications.</u>			
2/16/12	Columns and beams	m2	869	
2/16/13	Roofing	m2	937	
Carried Forward to Summary of Section No. 2				R
Section No. 2 UPGRADE OF 21 EXISTING CHALETS Bill No. 16 PAINTWORK				

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETS AND COMPLETION OF BCV ENTRANCE GATE**

Item No	Quantity	Rate	Amount
<u>BILL NO. 17</u>			
<u>PROVISIONAL AMOUNTS</u>			
<u>General</u>			
<p>Work for which budgetary allowances are provided will be measured and valued in accordance with clause 32 of the Principal Building Agreement and deducted in whole or in part if not required without any compensation for loss or profit on the said allowances</p> <p>Prime cost amounts and provisional sums are net. Prime cost amounts include for delivery to site of all articles concerned</p> <p>Provisional sums are for material and equipment supplied and installed complete by firms of specialists</p>			
<u>Profit</u>			
Where stated, the contractor may allow for profit if required			
<u>General attendance on nominated/selected subcontractors</u>			
1	The services as set out in clause B9.1 of the Preliminaries		
2	Making good in all trades and cleaning down and removal of rubbish on completion		
<p>The item "Attendance" which follows each provisional sum for nominated/selected subcontractors' work, shall be deemed to cover all the contractor's costs incurred in providing free of charge to the nominated/selected subcontractors, the following:</p>			
<u>Special attendance on nominated/selected subcontractors</u>			
Builder's work in connection with specialist services is given elsewhere in these bills of quantities			
Carried Forward			R
<p>Section No. 2 UPGRADE OF 21 EXISTING CHALETS Bill No. 17 PROVISIONAL AMOUNTS</p>			

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETS AND COMPLETION OF BCV ENTRANCE GATE**

Brought Forward		R
<u>DRAWINGS, SPECIFICATIONS, DETAILS, SCHEDULES, PERFORMANCE REQUIREMENTS</u>		
The contractor shall refer to the drawings, specifications, details, schedules provided by the Architect/Specialists for detailed performance requirements related to this project		
Any dimensional discrepancies on drawings which are identified on site are to be reported before commencement of site works		
<u>BUDGETARY ALLOWANCES</u>		
<u>ELECTRICITY</u>		
2/17/1	Provide the sum of R567 000.00 (Five Hundred And Sixty Seven Thousand Rand) for the supply and fix of electricity in 21 chalets	Item 567,000.00
2/17/2	Allow for profit	%
2/17/3	Allow for attendance	%
<u>DOUBLE SLEEPER COUCH</u>		
2/17/4	Allow the provisional amount of R267 000.00 (Two Hundred and Sixty Seven Thousand Rand) for the supply and installation of 21 Double Sleeper Couches, as per existing	Item 267,000.00
2/17/5	Allow for profit	%
2/17/6	Allow for attendance	%
<u>AIRCON</u>		
2/17/7	Allow the provisional amount of R400 000.00 (Four Hundred Thousand Rand) for the supply and installation of airconditioning units in 21 chalets	Item 400,000.00
2/17/8	Allow for profit	%
2/17/9	Allow for attendance	%
Carried Forward		R
Section No. 2 UPGRADE OF 21 EXISTING CHALETS Bill No. 17 PROVISIONAL AMOUNTS		

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETS AND COMPLETION OF BCV ENTRANCE GATE**

	Brought Forward		R	
	<u>BUILT-IN CUPBOARDS AND PANEL WORK</u>			
2/17/10	Allow the provisional amount of R 567 000.00 (Five Hundred And Sixty Seven Thousand Rand) for the supply and installation of Built-in cupboards and panel work in 21 Chalets	Item		567,000.00
2/17/11	Allow for profit		%	
2/17/12	Allow for attendance		%	
	Carried Forward to Summary of Section No. 2		R	
	Section No. 2 UPGRADE OF 21 EXISTING CHALETS Bill No. 17 PROVISIONAL AMOUNTS			

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETS AND COMPLETION OF BCV ENTRANCE GATE**

Bill No	Section No. 2 UPGRADE OF 21 EXISTING CHALETS	Page No	Amount
<u>SECTION SUMMARY - UPGRADE OF 21 EXISTING CHALETS</u>			
2/1	ALTERATIONS AND DEMOLITION	19	
2/2	EARTHWORKS	21	
2/3	CONCRETE, FORMWORK AND REINFORCEMENT	24	
2/4	MASONRY	27	
2/5	WATERPROOFING	28	
2/6	ROOF COVERINGS	29	
2/7	CARPENTRY AND JOINERY	31	
2/8	CEILINGS, PARTITIONS AND ACCESS FLOORING	32	
2/9	FLOOR COVERINGS	34	
2/10	STRUCTURAL STEELWORK	36	
2/11	METALWORK	38	
2/12	PLASTERING	40	
2/13	TILING	42	
2/14	PLUMBING AND DRAINAGE	46	
2/15	GLAZING	47	
2/16	PAINTWORK	50	
2/17	PROVISIONAL AMOUNTS	53	
Carried to Final Summary			R
Section No. 2 UPGRADE OF 21 EXISTING CHALETS			

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETS AND COMPLETION OF BCV ENTRANCE GATE**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO.1</u></p> <p><u>GLAZING</u></p> <p><u>PREAMBLES</u></p> <p>The Model Preambles for Trades (2017 Edition) 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 are incorporated in these bills of quantities to satisfy the requirements of this project. Such supplementary preambles shall take precedence over the provisions of the Model Preambles</p> <p><u>DRAWINGS, SPECIFICATIONS, DETAILS, SCHEDULES, PERFORMANCE REQUIREMENTS</u></p> <p>The contractor shall refer to the drawings, specifications, details, schedules provided by the Architect/Specialists for detailed performance requirements related to this project</p> <p>Any dimensional discrepancies on drawings which are identified on site are to be reported before commencement of site works</p> <p><u>MIRRORS, ETC</u></p> <p><u>5mm Silvered float glass copper backed mirrors with polished edges, fixed to and including 15mm thick plywood backing plugged to brickwork or stonework</u></p>			
3/1/1	Mirror 450 x 600 mm high	No	1	
	Carried Forward to Summary of Section No. 3			R
	<p>Section No. 3 GOLDEN GATE HOTEL ENTRANCE GATE Bill No. 1 GLAZING</p>			

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETS AND COMPLETION OF BCV ENTRANCE GATE**

Item No	Quantity	Rate	Amount
<u>BILL NO.2</u>			
<u>PROVISIONAL AMOUNTS</u>			
<u>General</u>			
<p>Work for which budgetary allowances are provided will be measured and valued in accordance with clause 32 of the Principal Building Agreement and deducted in whole or in part if not required without any compensation for loss or profit on the said allowances</p> <p>Prime cost amounts and provisional sums are net. Prime cost amounts include for delivery to site of all articles concerned</p> <p>Provisional sums are for material and equipment supplied and installed complete by firms of specialists</p>			
<u>Profit</u>			
Where stated, the contractor may allow for profit if required			
<u>General attendance on nominated/selected subcontractors</u>			
<p>The item "Attendance" which follows each provisional sum for nominated/selected subcontractors' work, shall be deemed to cover all the contractor's costs incurred in providing free of charge to the nominated/selected subcontractors, the following:</p> <ol style="list-style-type: none"> 1 The services as set out in clause B9.1 of the Preliminaries 2 Making good in all trades and cleaning down and removal of rubbish on completion 			
<u>Special attendance on nominated/selected subcontractors</u>			
Where stated special attendance will be described in detail in the Schedule for Variables in the Preliminaries for the services as set out in clause B9.2			
Carried Forward			R
<p>Section No. 3 GOLDEN GATE HOTEL ENTRANCE GATE Bill No. 2 PROVISIONAL SUMS</p>			

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETs AND COMPLETION OF BCV ENTRANCE GATE**

	Brought Forward		R	
	<p><u>Builder's work</u></p> <p>Builder's work in connection with specialist services is given elsewhere in these bills of quantities</p> <p><u>DRAWINGS, SPECIFICATIONS, DETAILS, SCHEDULES, PERFORMANCE REQUIREMENTS</u></p> <p>The contractor shall refer to the drawings, specifications, details, schedules provided by the Architect/Specialists for detailed performance requirements related to this project</p> <p>Any dimensional discrepancies on drawings which are identified on site are to be reported before commencement of site works</p> <p><u>BUDGETARY ALLOWANCES</u></p> <p><u>SIGNAGE AND SPOTLIGHT</u></p>			
3/2/1	Provide the sum of R 11 000 (Eleven Thousand Rand) for the supply and installation of signage and spotlight.	Item		11,000.00
3/2/2	Allow for profit		%	
3/2/3	Allow for attendance		%	
	Carried Forward to Summary of Section No. 3		R	
	<p>Section No. 3 GOLDEN GATE HOTEL ENTRANCE GATE Bill No. 2 PROVISIONAL SUMS</p>			

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETS AND COMPLETION OF BCV ENTRANCE GATE**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO.1</u></p> <p><u>WATERPROOFING</u></p> <p><u>PREAMBLES</u></p> <p>The Model Preambles for Trades (2017 Edition) 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 are incorporated in these bills of quantities to satisfy the requirements of this project. Such supplementary preambles shall take precedence over the provisions of the Model Preambles</p> <p><u>DRAWINGS, SPECIFICATIONS, DETAILS, SCHEDULES, PERFORMANCE REQUIREMENTS</u></p> <p>The contractor shall refer to the drawings, specifications, details, schedules provided by the Architect/Specialists for detailed performance requirements related to this project</p> <p>Any dimensional discrepancies on drawings which are identified on site are to be reported before commencement of site works</p> <p><u>DAMPPROOFING OF WALLS AND FLOORS</u></p> <p><u>"Tarkon Green" 250 micron damp proof sheeting (SANS 952 - 1985 type B) laid in strict accordance with manufacturer's specifications</u></p>			
4/1/1	Under surface beds	m2	38	
	Carried Forward to Summary of Section No. 4			R
	<p>Section No. 4 BASOTHO CULTURAL VILLAGE ENTRANCE GATE Bill No. 1 WATERPROOFING</p>			

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETS AND COMPLETION OF BCV ENTRANCE GATE**

Item No		Quantity	Rate	Amount
	<u>BILL NO.3</u>			
	<u>ROOF COVERINGS</u>			
	<u>PREAMBLES</u>			
	<p>The Model Preambles for Trades (2017 Edition) 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 are incorporated in these bills of quantities to satisfy the requirements of this project. Such supplementary preambles shall take precedence over the provisions of the Model Preambles</p>			
	<u>DRAWINGS, SPECIFICATIONS, DETAILS, SCHEDULES, PERFORMANCE REQUIREMENTS</u>			
	<p>The contractor shall refer to the drawings, specifications, details, schedules provided by the Architect/Specialists for detailed performance requirements related to this project</p> <p>Any dimensional discrepancies on drawings which are identified on site are to be reported before commencement of site works</p>			
	<u>PROFILED SHEETING AND ACCESSORIES</u>			
	<u>SAFINATRA Saflok 700- 0.55 Thick thunderstorm roof sheeting at 2 degree slope</u>			
4/2/1	Roof covering with a 2 degree slope	m2	24	
	<u>Metal Flashing</u>			
4/2/2	Flashing and counter flashing	m	17	
	Carried Forward to Summary of Section No. 4			R
	Section No. 4 BASOTHO CULTURAL VILLAGE ENTRANCE GATE Bill No. 2 ROOF COVERINGS			

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETS AND COMPLETION OF BCV ENTRANCE GATE**

Item No	Quantity	Rate	Amount
<p><u>BILL NO.2</u></p> <p><u>CARPENTRY AND JOINERY</u></p> <p><u>PREAMBLES</u></p> <p>The Model Preambles for Trades (2017 Edition) 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 are incorporated in these bills of quantities to satisfy the requirements of this project. Such supplementary preambles shall take precedence over the provisions of the Model Preambles</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Fixing</u></p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be shot pinned, to brickwork or concrete</p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere</p> <p><u>Joinery</u></p> <p>Descriptions of frames shall be deemed to include frames, transomes, rails, etc</p> <p>Descriptions of hardwood joinery shall be deemed to include sinking and pelleting heads and nuts of bolts</p> <p><u>Decorative laminate finish:</u></p> <p>Laminate finish shall be glued under pressure. Edge strips shall be butt jointed at junctions with adjacent similar finish</p>			
Carried Forward			R
<p>Section No. 4 BASOTHO CULTURAL VILLAGE ENTRANCE GATE Bill No. 3 CARPENTRY AND JOINERY</p>			

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETs AND COMPLETION OF BCV ENTRANCE GATE**

Brought Forward				R
<u>DRAWINGS, SPECIFICATIONS, DETAILS, SCHEDULES, PERFORMANCE REQUIREMENTS</u>				
The contractor shall refer to the drawings, specifications, details, schedules provided by the Architect/Specialists for detailed performance requirements related to this project				
Any dimensional discrepancies on drawings which are identified on site are to be reported before commencement of site works				
<u>ROOFS, ETC</u>				
<u>Wrought laminated Saligna</u>				
4/3/1	50 x 300 mm Bolted beams, pergola beams, etc	m	8	
4/3/2	44 x 69 mm Bolted beams, pergola beams, etc	m	39	
<u>PERGOLAS</u>				
<u>40mm Wattle lath CCA treated and installed on bottom flange of IPE 100 and tied together with lapa rope</u>				
4/3/3	Lath panelling of 40 mm diameter horizontal laths fixed closely together	m2	9	
Carried Forward to Summary of Section No. 4				R
Section No. 4 BASOTHO CULTURAL VILLAGE ENTRANCE GATE Bill No. 3 CARPENTRY AND JOINERY				

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETS AND COMPLETION OF BCV ENTRANCE GATE**

Item No	Quantity	Rate	Amount
<p><u>BILL NO.4</u></p> <p><u>TILING</u></p> <p><u>PREAMBLES</u></p> <p>The Model Preambles for Trades (2017 Edition) 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 are incorporated in these bills of quantities to satisfy the requirements of this project. Such supplementary preambles shall take precedence over the provisions of the Model Preambles</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Descriptions</u></p> <p>Unless described as "fixed with adhesive to plaster (plaster elsewhere)" descriptions of tiling on brick or concrete walls, columns, etc shall be deemed to include 1:4 cement plaster backing and descriptions of tiling on concrete floors etc shall be deemed to include 1:3 plaster bedding</p> <p><u>DRAWINGS, SPECIFICATIONS, DETAILS, SCHEDULES, PERFORMANCE REQUIREMENTS</u></p> <p>The contractor shall refer to the drawings, specifications, details, schedules provided by the Architect/Specialists for detailed performance requirements related to this project</p> <p>Any dimensional discrepancies on drawings which are identified on site are to be reported before commencement of site works</p> <p><u>WALL TILING</u></p>			
Carried Forward			R
<p>Section No. 4 BASOTHO CULTURAL VILLAGE ENTRANCE GATE Bill No. 4 TILING</p>			

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETS AND COMPLETION OF BCV ENTRANCE GATE**

	Brought Forward			R
4/4/1	<p><u>200 x 200 x 6 mm Samca white glazed wall tiles fixed with "Ceresit Tylon CM11" adhesive to plaster (plaster elsewhere) flush pointed with "Ceresit Tylon CE33" grey waterproof jointing compound</u></p> <p>On walls</p>	m2	1	
	Carried Forward to Summary of Section No. 4			R
	<p>Section No. 4 BASOTHO CULTURAL VILLAGE ENTRANCE GATE Bill No. 4 TILING</p>			

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETS AND COMPLETION OF BCV ENTRANCE GATE**

Item No	Quantity	Rate	Amount
<p><u>BILL NO.6</u></p> <p><u>PLUMBING AND DRAINAGE</u></p> <p><u>PREAMBLES</u></p> <p>The Model Preambles for Trades (2017 Edition) 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 are incorporated in these bills of quantities to satisfy the requirements of this project. Such supplementary preambles shall take precedence over the provisions of the Model Preambles</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Stainless steel basins, sinks, wash troughs, urinals, etc</u></p> <p>Stainless steel for economy basins, domestic sinks and worktops shall be Type 430 (17/0)</p> <p>Stainless steel for urinals, basins, quality sinks, wash troughs, institutional equipment, etc shall be Type 304 (18/8)</p> <p>Stainless steel for laboratory sinks, photographic equipment, etc shall be Type 316 (18/8)</p> <p>Units shall have standard aprons on all exposed edges and tiling keys against walls where applicable</p> <p><u>Sealing of edges</u></p> <p>Outer edges of sinks, basins, baths, urinals, etc are to be sealed against adjacent surfaces with approved silicone</p>			
Carried Forward			R
<p>Section No. 4 BASOTHO CULTURAL VILLAGE ENTRANCE GATE Bill No. 5 PLUMBING AND DRAINAGE</p>			

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETS AND COMPLETION OF BCV ENTRANCE GATE**

<p style="text-align: center;">Brought Forward</p> <p><u>uPVC pipes and fittings</u></p> <p>Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings</p> <p>Soil, waste and vent pipes and fittings shall be solvent weld jointed or sealed with butyl rubber rings</p> <p><u>uPVC pressure pipes and fittings</u></p> <p>Pipes of 50mm diameter and smaller shall be plain ended with solvent welded uPVC loose sockets and fittings</p> <p>Pipes of 63mm diameter and greater shall have sockets and spigots with push-in type integral rubber ring joints. Bends shall be uPVC and all other fittings shall be cast iron, all with similar push-in type joints</p> <p><u>High density polyethylene (HDPe) pipes and fittings</u></p> <p>Pipes shall be type IV and of the class specified with "Plasson" or "Alprene" compression fittings</p> <p><u>Reducing fittings</u></p> <p>Where fittings have reducing ends or branches they are described as "reducing" and only the largest end or branch size is given. Should the contractor wish to use other fittings and bushes or reducers he may do so on the understanding that no claim in this regard will be entertained</p> <p><u>Fixing of pipes</u></p> <p>Unless specifically otherwise stated, descriptions of pipes shall be deemed to include fixing to walls, etc, casting in, building in or suspending not exceeding 1m below suspension level</p> <p><u>Disinfection of water pipework</u></p> <p>Water pipework is to be disinfected at completion in accordance with SABS 1200L (provision for disinfection elsewhere)</p>			R	
<p style="text-align: center;">Carried Forward</p> <p>Section No. 4 BASOTHO CULTURAL VILLAGE ENTRANCE GATE Bill No. 5 PLUMBING AND DRAINAGE</p>			R	

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETS AND COMPLETION OF BCV ENTRANCE GATE**

<p style="text-align: center;">Brought Forward</p> <p><u>Laying, backfilling, bedding, etc of pipes</u></p> <p>Pipes shall be laid and bedded in accordance with manufacturers' instructions and trenches shall be carefully backfilled</p> <p>Where no manufacturers' instructions exist, pipes shall be laid in accordance with Clauses 5.1 and 5.2 of each of the following: SABS 1200L : Medium-pressure pipelines SABS 1200LD : Sewers SABS 1200LE: Stormwater drainage</p> <p>Pipe trenches, etc shall be backfilled in accordance with Clauses 3, 5.5, 5.6, 5.7 and 7 of SABS 1200DB : Earthworks (Pipe trenches)</p> <p>Pipes shall be bedded in accordance with Clauses 3.1 to 3.4.1, 5.1 to 5.3 and 7 of SABS 1200LB : Bedding (Pipes)</p> <p>Unless otherwise described bedding of rigid pipes shall be Class B bedding</p> <p><u>General</u></p> <p>Descriptions of cast iron roof outlets shall be deemed to include joints to pipes and casting into concrete (adaptors for joints to PVC pipes, etc are given separately)</p> <p>Descriptions of overflow pipes where measured in number, shall be deemed to include joints to cisterns and splay cut ends</p> <p>Descriptions of pipes laid in and including trenches and of inspection chambers, catchpits, etc shall be deemed to include excavation, bedding, backfilling, compaction to a minimum of 93% Mod AASHTO density and disposal of surplus material on site</p> <p>Descriptions of service pipes and flexible connecting pipes shall be deemed to include connections to taps, cisterns, etc and to steel pipes (adaptors for connections to copper pipes, etc are given separately)</p> <p>Descriptions of WC pans, slop hoppers, etc shall be deemed to include for joints to soil pipes (pan connectors are separately measured)</p>			R	
<p style="text-align: center;">Carried Forward</p> <p>Section No. 4 BASOTHO CULTURAL VILLAGE ENTRANCE GATE Bill No. 5 PLUMBING AND DRAINAGE</p>			R	

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETS AND COMPLETION OF BCV ENTRANCE GATE**

Brought Forward				R
<u>As-built drawings</u>				
Where required, the contractor shall prepare an updated set of as-built drawings. At completion of the contract the contractor shall hand these drawings to the principal agent for reproducing onto the originals for handing over to the employer (provision for allowance of as-built drawings elsewhere)				
<u>DRAWINGS, SPECIFICATIONS, DETAILS, SCHEDULES, PERFORMANCE REQUIREMENTS</u>				
The contractor shall refer to the drawings, specifications, details, schedules provided by the Architect/Specialists for detailed performance requirements related to this project				
Any dimensional discrepancies on drawings which are identified on site are to be reported before commencement of site works				
<u>SOIL DRAINAGE</u>				
<u>Normal duty (Class 51) uPVC sewer and drain pipes</u>				
4/5/1	110 mm Pipes laid in and including trenches not exceeding 1 m deep	m	5	
<u>Extra over normal duty (Class 51) uPVC sewer and drain pipes for fittings</u>				
4/5/2	110 mm Bend	No	2	
4/5/3	110 mm Access junction	No	2	
4/5/4	110 mm End cap	No	2	
<u>SANITARY FITTINGS</u>				
<u>'Franke' stainless steel</u>				
4/5/5	single bowl sink fixed on timber kitchen floor unit (elsewhere)	No	1	
<u>Vaal</u>				
4/5/6	"Vaal Cameo" vanity basin mounted to wall	No	1	
Carried Forward				R
Section No. 4 BASOTHO CULTURAL VILLAGE ENTRANCE GATE Bill No. 5 PLUMBING AND DRAINAGE				

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETS AND COMPLETION OF BCV ENTRANCE GATE**

Brought Forward			R
4/5/7	"Hibiscus" 772602 close-coupled WC suite comprising pan with double flap heavy duty double flap white wooden seat and matching 9 litre cistern	No	1
<u>WASTE UNIONS, ETC</u>			
<u>"Cobra Watertech"</u>			
4/5/8	32 mm 301 CP basin waste union with backnut, plug, chain and stay	No	2
4/5/9	40 mm 316 CP bath or sink waste union with backnut, plug, chain and stay	No	2
<u>TRAPS, ETC</u>			
<u>"Cobra Watertech"</u>			
4/5/10	32 mm 340 CP bottle trap	No	2
<u>TAPS, VALVES, ETC</u>			
<u>Brass</u>			
4/5/11	25 mm Stopcock	No	1
<u>'Cobra Watertech'</u>			
4/5/12	15 mm Code 166/041 CP Star single taphole mixer with swivel spout	No	1
4/5/13	15 mm Code 294 Star single taphole basin mixer	No	1
<u>SANITARY PLUMBING</u>			
<u>uPVC soil and vent pipes</u>			
4/5/14	40 mm Pipes	m	10
<u>Extra over uPVC soil and vent pipes for fittings</u>			
4/5/15	40 mm Bend	No	3
<u>WATER SUPPLIES</u>			
Carried Forward			R
Section No. 4 BASOTHO CULTURAL VILLAGE ENTRANCE GATE Bill No. 5 PLUMBING AND DRAINAGE			

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETS AND COMPLETION OF BCV ENTRANCE GATE**

Brought Forward			R
<u>Class 6 HDPE pressure pipes</u>			
4/5/16	20 mm Pipes laid in and including trenches not exceeding 1m deep	m	10
<u>Extra over Class 6 HDPE pressure pipes for "Plasson" fittings</u>			
4/5/17	20 mm Fittings	No	5
4/5/18	40 mm Bend	No	2
<u>Ginde HDPE-AL-PE(X) composite pipes consisting of aluminium core with inner and outer plastic layers as supplied by Ginde Pipes Soth Africa (Pty) Ltd. Western Cape tel no (021) 685 0504 or 082 575 3884 (Carl Bayhack)</u>			
4/5/19	20 mm Pipes	m	10
<u>Extra over Ginde HDPE-AL-PE(X) composite pipes for crimped fittings</u>			
4/5/20	20 mm Fittings	No	4
<u>Class 0 copper pipes with capillary couplings</u>			
4/5/21	15 mm Pipes	m	10
4/5/22	22 mm Pipes	m	20
<u>Extra over Class 0 copper pipes for welded capillary fittings</u>			
4/5/23	15 mm Fittings	No	5
4/5/24	22 mm Fittings	No	5
<u>Sundries</u>			
<u>Testing</u>			
4/5/25	Testing water pipe system		Item
<u>FIRE APPLIANCES, ETC</u>			
Carried Forward			R
Section No. 4 BASOTHO CULTURAL VILLAGE ENTRANCE GATE Bill No. 5 PLUMBING AND DRAINAGE			

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETS AND COMPLETION OF BCV ENTRANCE GATE**

	Brought Forward			R
	<u>"Chubb" or similar approved</u>			
4/5/26	4,5 kg DCP fire extinguisher	No	1	
	<u>Testing</u>			
4/5/27	Testing water supply system		Item	
Carried Forward to Summary of Section No. 4				R
Section No. 4 BASOTHO CULTURAL VILLAGE ENTRANCE GATE Bill No. 5 PLUMBING AND DRAINAGE				

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETS AND COMPLETION OF BCV ENTRANCE GATE**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO.5</u></p> <p><u>GLAZING</u></p> <p><u>PREAMBLES</u></p> <p>The Model Preambles for Trades (2017 Edition) 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 are incorporated in these bills of quantities to satisfy the requirements of this project. Such supplementary preambles shall take precedence over the provisions of the Model Preambles</p> <p><u>DRAWINGS, SPECIFICATIONS, DETAILS, SCHEDULES, PERFORMANCE REQUIREMENTS</u></p> <p>The contractor shall refer to the drawings, specifications, details, schedules provided by the Architect/Specialists for detailed performance requirements related to this project</p> <p>Any dimensional discrepancies on drawings which are identified on site are to be reported before commencement of site works</p> <p><u>GLAZING TO STEEL WITH PUTTY</u></p> <p><u>6 mm Obscure glass</u></p>			
4/6/1	Panes exceeding 1,5 m2 and not exceeding 2.25 m2	m2	2	
	<p><u>6 mm Clear glass</u></p>			
4/6/2	Panes exceeding 1,5 m2 and not exceeding 2.25 m2	m2	12	
	<p><u>MIRRORS, ETC</u></p>			
	Carried Forward			R
	<p>Section No. 4 BASOTHO CULTURAL VILLAGE ENTRANCE GATE Bill No. 6 GLAZING</p>			

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETS AND COMPLETION OF BCV ENTRANCE GATE**

	Brought Forward				
4/6/3	<p><u>5mm Silvered float glass copper backed mirrors with polished edges, fixed to and including 15mm thick plywood backing plugged to brickwork or stonework</u></p> <p>Mirror 450 x 600 mm high</p>	No	1		R
	Carried Forward to Summary of Section No. 4				R
	<p>Section No. 4 BASOTHO CULTURAL VILLAGE ENTRANCE GATE Bill No. 6 GLAZING</p>				

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETS AND COMPLETION OF BCV ENTRANCE GATE**

Item No	Quantity	Rate	Amount
<p><u>BILL NO. 7</u></p> <p><u>ELECTRICAL WORK</u></p> <p><u>PREAMBLES</u></p> <p>The Model Preambles for Trades (2017 Edition) 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 are incorporated in these bills of quantities to satisfy the requirements of this project. Such supplementary preambles shall take precedence over the provisions of the Model Preambles</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Contract price adjustment provisions</u></p> <p>No fluctuations in the cost of labour and material will be entertained</p> <p><u>Distribution boards, etc</u></p> <p>Rates for distribution boards etc are to include for busbars, jumpers, neutral bars, internal wiring and connections, circuit identification markers, control gear labels, circuit legend cards and working drawings</p> <p><u>Switches, socket outlets, etc</u></p> <p>Rates for switches, socket outlets, etc are to include for screwing to outlet boxes, connecting up and cover plates</p> <p><u>Light fittings</u></p> <p>Rates for light fittings are to include for hanging, fixing and connecting and for lamp holders and fluorescent tubes and lamps of the type and wattage described</p>			
Carried Forward			R
<p>Section No. 4 BASOTHO CULTURAL VILLAGE ENTRANCE GATE Bill No. 7 ELECTRICAL INSTALLATION</p>			

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETS AND COMPLETION OF BCV ENTRANCE GATE**

Brought Forward		R
<u>DRAWINGS, SPECIFICATIONS, DETAILS, SCHEDULES, PERFORMANCE REQUIREMENTS</u>		
The contractor shall refer to the drawings, specifications, details, schedules provided by the Architect/Specialists for detailed performance requirements related to this project		
Any dimensional discrepancies on drawings which are identified on site are to be reported before commencement of site works		
<u>CONNECTION</u>		
4/7/1	Provide the sum of R 1 200 (One Thousand Two Hundred Rand) for connection	No 1
4/7/2	Profit	%
<u>DISTRIBUTION BOARD DB</u>		
4/7/3	Flush mounted distribution board in one section (uninterruptable power) with door, with 60A earth leakage, three 30A, one 20A, two 15A, two 10A and two 5A circuit breakers and space for space for two additional circuit breakers, colour coded and installed in recess (elsewhere) in brick wall	No 1
<u>CABLES</u>		
<u>"Cabtyre" cables drawn into conduits</u>		
4/7/4	1,5 mm ² x 3-Core	m 20
4/7/5	2,5 mm ² 3-Core	m 20
<u>Cable terminations</u>		
4/7/6	2,5 mm ² 3-Core	No 5
4/7/7	1,5 mm ² x 3-Core	No 5
<u>EARTH CONDUCTORS</u>		
Carried Forward		R
Section No. 4 BASOTHO CULTURAL VILLAGE ENTRANCE GATE Bill No. 7 ELECTRICAL INSTALLATION		

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETS AND COMPLETION OF BCV ENTRANCE GATE**

Brought Forward			R
<u>Bare copper earth conductors laid with cable in trenches or sleeve pipes and bonded to cables with plastic strapping at 2 m centres</u>			
4/7/8	1,5 mm2	m	20
4/7/9	4 mm2	m	20
<u>LIGHT SWITCHES, SOCKET OUTLETS, ETC</u>			
4/7/10	16A Flush mounted multiple lever switch unit	No	4
4/7/11	16A Flush mounted two lever one-way switch unit	No	1
4/7/12	Computer point	No	1
<u>LUMINAIRES</u>			
4/7/13	Allow a PC amount of R 550 for wall mounted light fitting	No	2
4/7/14	Allow a PC amount of R 550 for ceiling mounted light fitting	No	2
4/7/15	Allow a PC amount of R 650 for double tube fluorescent light 1 500 mm long	No	1
<u>SUNDRIES</u>			
4/7/16	Earthing of buildings	Item	
4/7/17	Testing and commissioning the complete electrical installation	Item	
Carried Forward to Summary of Section No. 4			R
Section No. 4 BASOTHO CULTURAL VILLAGE ENTRANCE GATE Bill No. 7 ELECTRICAL INSTALLATION			

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETS AND COMPLETION OF BCV ENTRANCE GATE**

Item No	Quantity	Rate	Amount
<p><u>BILL NO.8</u></p> <p><u>PAINTWORK</u></p> <p><u>PREAMBLES</u></p> <p>The Model Preambles for Trades (2017 Edition) 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 are incorporated in these bills of quantities to satisfy the requirements of this project. Such supplementary preambles shall take precedence over the provisions of the Model Preambles</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Paint specifications</u></p> <p>All painting shall be done in accordance with "Plascon" specifications unless otherwise described</p> <p>Descriptions for painting will deem to include for all necessary preparation, stopping and painting of all sealers, primers, undercoats, etc., all in strict accordance with the manufacturer's instructions</p> <p><u>Colours</u></p> <p>Unless otherwise described all paintwork shall be deemed to have a colour value in excess of 7 on the Munsell system in accordance with SANS 1091</p> <p><u>DRAWINGS, SPECIFICATIONS, DETAILS, SCHEDULES, PERFORMANCE REQUIREMENTS</u></p> <p>The contractor shall refer to the drawings, specifications, details, schedules provided by the Architect/Specialists for detailed performance requirements related to this project</p> <p>Any dimensional discrepancies on drawings which are identified on site are to be reported before commencement of site works</p> <p style="text-align: right;">Carried Forward</p> <p>Section No. 4 BASOTHO CULTURAL VILLAGE ENTRANCE GATE Bill No. 8 PAINTWORK</p>			R

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETS AND COMPLETION OF BCV ENTRANCE GATE**

Brought Forward			R
<u>PAINT WORK, ETC, TO NEW WORK</u>			
<u>ON FLOATED PLASTER</u>			
<u>BILL NO. 15</u>			
<u>One coat primer and two coats interior quality PVA emulsion paint</u>			
4/8/1	On internal plastered walls	m2	39
4/8/2	on external plastered walls	m2	29
4/8/3	On ceilings	m2	14
<u>ON METAL SURFACES</u>			
<u>One coat water based primer, one coat alkyd based universal undercoat and two coats quality dulux enamel paint, battle ship grey on steel</u>			
4/8/4	On door frames	m2	16
4/8/5	On windows	m2	25
4/8/6	On rails, bars, etc not exceeding 300 mm girth	m	64
<u>ON WOOD</u>			
<u>Three coat "Timbercare" external sealer</u>			
4/8/7	On general timber surfaces not exceeding 300mm girth	m	90
4/8/8	On roof slats	m2	24
Carried Forward to Summary of Section No. 4			R
Section No. 4 BASOTHO CULTURAL VILLAGE ENTRANCE GATE Bill No. 8 PAINTWORK			

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETS AND COMPLETION OF BCV ENTRANCE GATE**

Item No	Quantity	Rate	Amount
<u>BILL NO.9</u>			
<u>PROVISIONAL SUMS AND PRIME COST ITEMS</u>			
<u>General</u>			
Work for which budgetary allowances are provided will be measured and valued in accordance with clause 32 of the Principal Building Agreement and deducted in whole or in part if not required without any compensation for loss or profit on the said allowances			
Prime cost amounts and provisional sums are net. Prime cost amounts include for delivery to site of all articles concerned			
Provisional sums are for material and equipment supplied and installed complete by firms of specialists			
Where stated, the contractor may allow for profit if required			
<u>General attendance on nominated/selected subcontractors</u>			
<u>Profit</u>			
1	The services as set out in clause B9.1 of the Preliminaries		
2	Making good in all trades and cleaning down and removal of rubbish on completion		
The item "Attendance" which follows each provisional sum for nominated/selected subcontractors' work, shall be deemed to cover all the contractor's costs incurred in providing free of charge to the nominated/selected subcontractors, the following:			
<u>Special attendance on nominated/selected subcontractors</u>			
Builder's work in connection with specialist services is given elsewhere in these bills of quantities			
Carried Forward			R
Section No. 4 BASOTHO CULTURAL VILLAGE ENTRANCE GATE Bill No. 9 PROVISIONAL SUMS			

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETS AND COMPLETION OF BCV ENTRANCE GATE**

Brought Forward			R
<u>DRAWINGS, SPECIFICATIONS, DETAILS, SCHEDULES, PERFORMANCE REQUIREMENTS</u>			
The contractor shall refer to the drawings, specifications, details, schedules provided by the Architect/Specialists for detailed performance requirements related to this project			
Any dimensional discrepancies on drawings which are identified on site are to be reported before commencement of site works			
<u>BUDGETARY ALLOWANCES</u>			
4/9/1	Allow the Provisional Sum of R7 000 (Seven Thousand Rand) for cupboards, shelves, Counter,etc	Item	7,000.00
4/9/2	Allow for profit	%	
4/9/3	Allow for attendance	%	
4/9/4	Allow the Provisional Sum of R30 000 (Thirty Thousand Rand) for the supply and installation of steel construction, complete	Item	30,000.00
4/9/5	Allow for profit	%	
4/9/6	Allow for attendance	%	
4/9/7	Allow the Provisional Sum of R6 000.00 (Six Thousand Rand) for Manual access control system	Item	6,000.00
4/9/8	Allow profit	%	
4/9/9	Allow for attendance	%	
4/9/10	Allow the Provisional Sum of R 25 000 (Twenty Five Thousand Rand) for electrical reticulation	Item	25,000.00
4/9/11	Allow for profit	%	
4/9/12	Allow for attendance	%	
Carried Forward			
Section No. 4 BASOTHO CULTURAL VILLAGE ENTRANCE GATE Bill No. 9 PROVISIONAL SUMS			R

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETS AND COMPLETION OF BCV ENTRANCE GATE**

	Brought Forward		R	
4/9/13	Allow the Provisional Sum of R 15 000 (Fifteen Thousand Rand) for sewer reticulation	Item		15,000.00
4/9/14	Allow for profit		%	
4/9/15	Allow for attendance		%	
4/9/16	Allow the Provisional Sum of R 25 000 (Twenty Thousand Rand) for water reticulation	Item		25,000.00
4/9/17	Allow for profit		%	
4/9/18	Allow attendance		%	
Carried Forward to Summary of Section No. 4			R	
Section No. 4 BASOTHO CULTURAL VILLAGE ENTRANCE GATE Bill No. 9 PROVISIONAL SUMS				

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETS AND COMPLETION OF BCV ENTRANCE GATE**

	Section No. 4			
	BASOTHO CULTURAL VILLAGE ENTRANCE GATE			
	<u>SECTION SUMMARY - BASOTHO CULTURAL VILLAGE ENTRANCE GATE</u>			
Bill No		Page No		Amount
4/1	WATERPROOFING	59		
4/2	ROOF COVERINGS	60		
4/3	CARPENTRY AND JOINERY	62		
4/4	TILING	64		
4/5	PLUMBING AND DRAINAGE	71		
4/6	GLAZING	73		
4/7	ELECTRICAL INSTALLATION	76		
4/8	PAINTWORK	78		
4/9	PROVISIONAL SUMS	81		
	Carried to Final Summary			R
	Section No. 4			
	BASOTHO CULTURAL VILLAGE ENTRANCE GATE			

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETS AND COMPLETION OF BCV ENTRANCE GATE**

Item No		Quantity	Rate	Amount
	<u>PAVING</u>			
	<u>PREAMBLES</u>			
	The Model Preambles for Trades (2017 Edition) 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			
	Supplementary preambles are incorporated in these bills of quantities to satisfy the requirements of this project. Such supplementary preambles shall take precedence over the provisions of the Model Preambles			
	<u>DRAWINGS, SPECIFICATIONS, DETAILS, SCHEDULES, PERFORMANCE REQUIREMENTS</u>			
	The contractor shall refer to the drawings, specifications, details, schedules provided by the Architect/Specialists for detailed performance requirements related to this project			
	Any dimensional discrepancies on drawings which are identified on site are to be reported before commencement of site works			
	<u>CONCRETE KERBING, CHANNELLING, CHUTES AND DOWNPIPES: B2300</u>			
5/1/1	<u>Complete Fig 12 Kerbing</u>	m	17	
5/1/2	<u>Lift paving and repair base, complete kerbing with concrete haunching.</u>	m	23	
5/1/3	Complete paving by cutting-in and filler sand.	m	20	
5/1/4	Supply and fit 750mm x 750mm manhole cover and make good curbing	No	1	
5/1/5	Add Fig12 kerb back to back and make good open area with concrete.	m	40	
5/1/6	Gabion mattresses.	No	6	
5/1/7	Complete interlocking paving roller course.	m	25	
	Carried Forward			R
	Section No. 5 EXTERNAL SERVICES Bill No. 1 PAVING			

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETS AND COMPLETION OF BCV ENTRANCE GATE**

Brought Forward				R
5/1/8	Complete paving by cutting-in and filler sand. Cut Fig 12 kerb to mach.	No	6	
5/1/9	Cast 200mm X 150mm concrete plinth around steel member and cut paving to match.	No	80	
5/1/10	Make good kerbing intersection nodes.	No	8	
5/1/11	Back filling with topsoil to back of kerbs	m3	85	
5/1/12	Lift paving and re-pack	m3	1,400	
5/1/13	Compact sand to paving surface	m2	2,400	
5/1/14	Cleaning rubble	m3	18	
Carried to Final Summary				R
Section No. 5 EXTERNAL SERVICES Bill No. 1 PAVING				

**GOLDEN GATE HIGHLANDS NATIONAL PARK
UPGRADE OF 21 CHALETS AND COMPLETION OF BCV ENTRANCE GATE**

Section No	<u>FINAL SUMMARY</u>	Page No	Amount
1	PRELIMINARIES AND GENERAL	16	
2	UPGRADE OF 21 EXISTING CHALETS	54	
3	GOLDEN GATE HOTEL ENTRANCE GATE	58	
4	BASOTHO CULTURAL VILLAGE ENTRANCE GATE	82	
5	EXTERNAL SERVICES	84	
	Sub total		R
	Contigencies 5%		R
	Sub total		R
	VAT 15%		R
	Carried to Form of Tender		R