

**COMPLETION OF NEW RESIDENTIAL HOUSING
DARK & SILVER CITY
BOTTOM SITE**

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 1</u>			
	<u>BILL NO. 1</u>			
	<u>PRELIMINARIES</u>			
	<u>BUILDING AGREEMENT AND PRELIMINARIES</u>			
	<u>PRELIMINARIESNOTES</u>			
i)	The agreement is to be the JBCC Series 2000 Principal Building Agreement, Edition 4.1 and other contract documents that together form the contract between the employer and contractor			
ii)	The preliminaries are to be the JBCC Series 2000 Code 2103 Preliminaries prepared by the Joint Building Contracts Committee, May 2005 edition and shall be deemed to be incorporated herein			
iii)	Tenderers are referred to the abovementioned documents for the full intent and meaning of each clause thereof (hereinafter referred to by heading and clause number only) for which such allowance must be made as may be considered necessary			
iv)	Where standard clauses or alternatives are not entirely applicable to this contract such modifications, corrections or supplements as will apply are given under each relevant clause heading			
v)	Where any item is not relevant to this specific contract such item is marked N/A (signifying "not applicable")			
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vi) If Alternative A as set out in clause B10.3 hereinafter is to be used for the adjustment of the preliminaries each item priced is to be allocated to one or more of the three categories, where "F" denotes a fixed amount (amount not to be varied), "V" denotes an amount variable in proportion to value and "T" denotes an amount in proportion to time

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1/1/29	Revision of date of practical completion (clause 29) F:..... V:..... T:.....	Item		
1/1/30	Penalty for non-completion (clause 30) F:..... V:..... T:.....	Item		
	<u>Payment (A31 - A35)</u>			
1/1/31	Interim payment to the contractor (clause 31)F:..... V:..... T:.....	Item		
1/1/32	Adjustment to the contract value (clause 32)F:..... V:..... T:.....	Item		
1/1/33	Recovery of expense and loss (clause 33)F:..... V:..... T:.....	Item		
1/1/34	Final account and final payment (clause 34)F:..... V:..... T:.....	Item		
1/1/35	Payment to other parties (clause 35) F:..... V:..... T:.....	Item		
	<u>Cancellation (A36-A39)</u>			
1/1/36	Cancellation by employer - contractor's default (clause 36) F:..... V:..... T:.....	Item		
1/1/37	Cancellation by employer - loss and damage (clause 37) F:..... V:..... T:.....	Item		
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1/1/38	Cancellation by contractor - employer's default (clause 38) F:..... V:..... T:.....	Item		
1/1/39	Cancellation - cessation of the works (clause 39) F:..... V:..... T:.....	Item		
	<u>Dispute (A40)</u>			
1/1/40	Dispute Settlement (clause 40) F:..... V:..... T:.....	Item		
	<u>Substitute Provisions (A41)</u>			
1/1/41	State clauses (Clause 41) F:..... V:..... T:.....	Item		
	<u>THE SCHEDULE</u> Information necessary for completion of those clauses contained in the schedule which are necessary for tender purposes is given hereunder			
1/1/42	Pre-tender information (clause 42) F:..... V:..... T:.....	Item		
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42.1 CONTRACTING AND OTHER PARTIES

42.1.1 **Employer:** Free State Department
of Human Settlements

Physical address: OR Tambo House
St Andrews Street
Bloemfontein

Code: 9300

Telephone: 051 405 5008

42.1.2 **Principal Agent:** Project Resource Team
- LTE Consulting
(5.1)

Physical address: Genious Loci Office
Park Building No. 10
CP Hoogenhout Street
Langenhoven Park
Bloemfontein

Code: 9300

Telephone: 051 446 0826

Fax: 051 446 0826

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42.1.3 **Agent (1):**
(5.1)

Agent's service:

Physical Address:

Code:

Telephone:

Fax:

42.1.4 **Agent (2):**
(5.1)

Agent's service:

Physical address:

Code:

Telephone:

Fax:

42.1.5 **Agent (3):**
(5.1)

Agent's service:

Physical address:

Code:

Telephone:

Fax:

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**42.1.6 Agent (4):
(5.1)**

Agent's service:

Physical address:

Code:

Telephone:

Fax:

42.2 CONTRACT DETAILS

42.2.1 Works Description:

Development of Community Residential Units in
Dak & Silver City: Bottom Site Bloemfontein

42.2.2 Site Description:

The Site is situated at dark & Silver City
Coordinates: Y - 74700 and X - 3226300

**42.2.3 Work or installations by direct contractors: (To
be advised)**

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41.2.4 Specific options that are applicable to a **State** organ only

Where so:

- (1) Legislation applicable to the interest rate
In terms of section 80(1)(b) of the Public Finance Management Act, 1999 (Act No.1 of 1999) will apply
- (2) Lateral support insurance will not be effected by the contractor
- (3) Payment will be made for material and goods
- (4) Dispute resolution will not be by litigation
- (5) Extended defect liability period applicable to the following elements:
N/A

42.2.5 Date on which possession of the site is intended to be given: **To be determined later**

42.2.6 Period for the commencement of the works after the contractor takes possession of the site:
2 (Two) working days

42.2.7 For the works **as a whole**. Intended date of practical completion and the penalty per calendar day
Practical Completion: 10 months after commencement
R19 500.00 Penalty Amount

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42.2.8 For the works in **sections**: Intended date of practical completion and the penalty per calendar day: N/A

42.2.9 The **law** applicable to this **agreement** shall be that of

The Republic of South Africa

42.3 INSURANCES

42.3.1 Contract works insurance to be effected by:
Principal Contractor

42.3.2 Supplementary insurance is required: **No**

42.3.3 Public liability insurance to be effected by:
The Contractor

For the Sum of : R 2 500 000.00

**With a deductible of: R
(To be confirmed)**

42.4 DOCUMENTS

42.4.1 Waivers of **contractors lien** or right of continuing possession is required: **Yes**

42.4.2 Number of construction document copies to be supplied to the **contractor** free of charge:
**3 (Three)
Number of**

42.4.3 **Bills of Quantities/Lump sum document**
schedule of rates drawn up in accordance with:
**The Standard System of Measuring Building
Work**

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42.4.4 On acceptance of the tender the bills of quantities/lump sum document is to be submitted within:
10 (Ten) Number of working days

42.4.5 JBCC Engineering General Conditions are to be included in the **contract documents: No**

42.4.6 The contract value is to be adjusted using escalation adjustment indices : **N/A**

42.4.7 Details of changes made to the provision of JBCC standard documentation: **As per contract data**

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<u>SECTION B: PRELIMINARIES</u>					
<u>Definitions and interpretation (B1)</u>					
1/1/43	<p>Definition and interpretation (B1.1 - B1.4.6)</p> <p>F:..... V:..... T:.....</p>	Item			
<u>Documents (B2)</u>					
1/1/44	<p>Checking of documents (B2.1)</p> <p>These provisional bills of quantities contain pages and annexures as indexed on the flyleaf</p> <p>The items in these bills of quantities are to be read and priced in conjunction with and the descriptions regarded as amplified by the Model Preambles for Trades as recommended and published by the Association of South African Quantity Surveyors, 1999 edition, and no claim arising from brevity of description of items fully described in the said Model Preambles for Trades will be entertained</p> <p>F:..... V:..... T:.....</p>	Item			
1/1/45	Provisional bills of quantities (B2.2)F:..... V:..... T:.....	Item			
1/1/46	<p>Availability of construction documentation (B2.3)</p> <p>F:..... V:..... T:.....</p>	Item			
1/1/47	Interests of agents (B2.4)F:..... V:..... T:.....	Item			
1/1/48	Priced documents (B2.5)F:..... V:..... T:.....	Item			
1/1/49	Tender submission (B2.6)F:..... V:..... T:.....	Item			
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1/1/61	Articles of value (B3.10)F:..... V:..... T:.....	Item		
1/1/62	Inspection of adjoining properties etc (B3.11)F:..... V:..... T:.....	Item		
	<u>Management of contract (B4)</u>			
1/1/63	Management of the works (B4.1)F:..... V:..... T:.....	Item		
1/1/64	Programme for the works (B4.2) F:..... V:..... T:.....	Item		
1/1/65	Progress meetings (B4.3)F:..... V:..... T:.....	Item		
1/1/66	Technical meetings (B4.4)F:..... V:..... T:.....	Item		
1/1/67	Labour and Plant records (B4.5) F:..... V:..... T:.....	Item		
	<u>Samples, Shop Drawings and Manufacturer's Instructions (B5)</u>			
1/1/68	Samples of materials (B5.1)F:..... V:..... T:.....	Item		
1/1/69	Workmanship samples (B5.2)F:..... V:..... T:.....	Item		
1/1/70	Shop drawings (B5.3) F:..... V:..... T:.....	Item		
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1/1/71	Compliance with Manufacturer's Instructions (B5.4) F:..... V:..... T:.....	Item		
	<u>Temporary works and plant (B6)</u>			
1/1/72	Deposits and fees (B6.1)F:..... V:..... T:.....	Item		
1/1/73	Enclosure of the works (B6.2)F:..... V:..... T:.....	Item		
1/1/74	Advertising (B6.3)F:..... V:..... T:.....	Item		
1/1/75	Plant, equipment, sheds and offices (B6.4)F:..... V:..... T:.....	Item		
1/1/76	Main notice board (B6.5)F:..... V:..... T:.....	Item		
1/1/77	Subcontractors' notice board (B6.6) F:..... V:..... T:.....	Item		
	<u>Temporary services (B7)</u>			
1/1/78	Location (B7.1)F:..... V:..... T:.....	Item		
1/1/79	Water (B7.2) Option [A]			
	F:..... V:..... T:.....	Item		
1/1/80	Electricity (B7.3) Option [A]			
	F:..... V:..... T:.....	Item		
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1/1/81	Telecommunication facilities (B7.4) F:..... V:..... T:.....	Item		
1/1/82	Ablution facilities (B7.5) Option [A] F:..... V:..... T:.....	Item		
	<u>Prime cost amounts (B8)</u>			
1/1/83	Responsibility for prime cost amounts (B8.1)F:..... V:..... T:.....	Item		
	<u>Attendance on N/S Subcontractors (B9)</u>			
1/1/84	General attendance (B9.1)F:..... V:..... T:.....	Item		
1/1/85	Special attendance (B9.2)F:..... V:..... T:.....	Item		
1/1/86	Commissioning - Fuel, water and power (B9.3)F:..... V:..... T:.....	Item		
	<u>Financial aspects (B10)</u>			
	Statutory taxes, duties and levies (B10.1)F:..... V:..... T:.....	Item		
1/1/87	Provision is made in the summary of these bills of quantities for the inclusion of Value Added Tax (VAT) F:..... V:..... T:.....	Item		
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1/1/88	Payment of preliminaries (B10.2) <p style="text-align: right;">Option [A] shall apply</p> F:..... V:..... T:.....	Item		
1/1/89	Adjustment of preliminaries (B10.3)F:..... V:..... T:.....	Item		
1/1/90	Payment certificate cash flow (B10.4)F:..... V:..... T:.....	Item		
1/1/91	Contractor information supply (B10.5) F:..... V:..... T:.....	Item		
	<u>General (B11)</u>			
1/1/92	Protection of works (B11.1)F:..... V:..... T:.....	Item		
1/1/93	Protection/isolation of existing/sectionally occupied works (B11.2)F:..... V:..... T:.....	Item		
1/1/94	Security of the Works (B11.3) F:..... V:..... T:.....	Item		
1/1/95	Notice before covering work (B11.4)F:..... V:..... T:.....	Item		
1/1/96	Disturbance (B11.5) F:..... V:..... T:.....	Item		
1/1/97	Environmental Disturbance (B11.6) F:..... V:..... T:.....	Item		
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| <p>12.1.1 Provisional bills of quantities (B2.2)
The quantities are provisional</p> <p>12.1.2 Availability of construction documentation (B2.3)
Construction documentation is not complete</p> <p>12.1.3 Interest of agents (B2.4)</p> <p style="text-align: center;">N/A</p> <p>12.1.4 Defined works area (B3.1)
As per Architect's drawings
Restrictions will also be pointed out on site handover</p> <p>12.1.5 Geotechnical investigation (B3.2)</p> <p>12.1.6 Existing premises occupied (B3.4)
The south eastern portion of the site is currently fenced off and occupied by a single storey brick under tile building, whilst the remainder of the property is currently vacant.
No work is to be done on the existing premises unless otherwise advised.</p> <p>12.1.7 Previous work - dimensional accuracy (B3.4)</p> <p>12.1.8 Previous work - defects (B3.5)</p> | | | | | |
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12.1.9 Services - known (B3.7)

Existing services and points of connection will be pointed out on site by the principal agent

12.1.10 Protection of trees (B3.9)

12.1.11 Inspection of adjoining properties (B3.11)

12.1.12 Enclosure of the works (B6.2)

The new construction works is to be enclosed for the protection and safety of the public

12.1.13 Offices (B6.4.3)

The contractor shall provide and remove on completion of the works an office for the exclusive use of the principal agent, minimum size 4 x 3 x 3m high internally, suitably insulated, ventilated and air-conditioned provided with electric lighting with power plug and fitted with boarded floor, desk, 3 (three) number of chairs, filing cabinet and drawing hanger. The office shall be kept clean and fit for use at all times

12.1.14 Main notice board (B6.5)
A notice board is required

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| <p>12.1.15 Subcontractors notice board (B6.6)
A notice board is not required</p> <p>12.1.16 Water (B7.2)
Alternative Selected: A</p> <p>12.1.17 Electricity (B7.3)
Alternative selected: A</p> <p>12.1.18 Telecommunications (B7.4)</p> <p>12.1.19 Ablution facilities (B7.5)
Alternative selected: A</p> <p>12.1.20 Protection of existing/sectionally occupied works (B11.2)

Protection is required</p> <p>12.1.21 Special attendance (B9.2)</p> <p>12.1.22 Protection of the works (B11.1) : Required as may be necessary</p> <p>12.1.23 Disturbance (B11.5)</p> <p>12.1.24 Environmental Disturbance (B11.6)</p> | | | | | |
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Post tender information (B12.2)

- 12.2.1 Payment of preliminaries
Alternative selected: A
- 12.2.2 Adjustment of preliminaries
Alternative selected: A
- 12.2.3 Additional agreed preliminaries items
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SECTION C: SPECIFIC PRELIMINARIES

C1. OCCUPATIONAL HEALTH AND SAFETY ACT

The **contractor** shall comply with all the requirements set out in the Construction Regulations, 2003 issued under the Occupational Health and Safety Act, 1993 (Act No 85 of 1993).

It is required of the **contractor** to thoroughly study the Health and Safety Specification that must be read together with and is deemed to be incorporated under this Section of the **bills of quantities**.

The **contractor** must take note that compliance with the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is compulsory. In the event of partial or total non-compliance, the **principal agent**, notwithstanding the provisions of clause A31.0 of Section A or any other clause to the contrary, reserves the right to delay issuing any progress **payment certificate** until the **contractor** provides satisfactory proof of compliance. The **contractor** shall not be entitled to any compensation of whatsoever nature, including interest, due to such delay of payment.

Provision for pricing of the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is made under Section 5 of this bills of quantities and no additional claims in this regard shall be entertained

1/1/105

C2. PROPRIETARY BRANDED PRODUCTS

The contractor shall take delivery of, handle, store, use apply and/or fix all proprietary branded products in strict accordance with the manufacturers instruction after consultation with the manufacturer's authorised representative

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

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1/1/106	C3. OVERTIME Should overtime be required to be worked for any reason whatsoever, the costs of such overtime are to be borne by the contractor unless the principal agent has specifically authorised in writing, prior to the execution thereof, that costs for such overtime are to be borne by the employer. F:..... V:..... T:.....	Item		
1/1/107	C4. AS BUILT DRAWINGS The position of construction breaks and the extent of individual concrete pours are to be recorded by the contractor on the structural engineer's drawings and are to be submitted to the principal agent and the structural engineer for their records. F:..... V:..... T:.....	Item		
1/1/108	C5. SITE INSTRUCTIONS Site instructions issued on site are to be recorded in triplicate in a site instruction book which is to be maintained on site by the contractor F:..... V:..... T:.....	Item		
1/1/109	C6. LABOUR RECORD At the end of each week the contractor shall provide the principal agent with a written record, in schedule form, reflecting the number and description of tradesmen and labourers employed by him and all subcontractors on the works each day. F:..... V:..... T:.....	Item		
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1/1/110	C7. PLANT RECORD At the end of each week the contractor shall provide the principal agent with a written record, in schedule form, reflecting the number, type and capacity of all plant, excluding hand tools, currently used on the works. F:..... V:..... T:.....	Item		
1/1/111	C8. NON CESSION OF MONIES The contractor shall not cede nor assign his rights or claims to any monies due or to become due under this contract F:..... V:..... T:.....	Item		
	<u>MATERIALS AND WORKMANSHIP</u> <u>Testing of windows to ensure watertightness</u>			
1/1/112	As the windows are fixed they shall be glazed and prepared so that each window can be tested for watertightness with water sprayed on by means of a 20 mm hosepipe using adequate pressure. If the pressure proves to be inadequate, in the opinion of the principal agent, then the pressure in the hosepipe shall be boosted by means of compressed air or other approved means. Each window section shall be tested under the supervision of the clerk of works and approved before final acceptance of the fenestration.	Item		
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Guarantees

The contractor shall obtain written guarantees where called for, addressed to the employer, from the firms supplying the materials or doing the work and deliver such guarantees to the principal agent.

The guarantees shall state that workmanship, materials and installation are guaranteed for a specified period reckoned from the date of practical completion of the works and that any defects in the workmanship, materials and installation that may arise during that period shall be made good at the expense of the firm doing the work upon written notice from the principal agent or the employer to do so.

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	<p><u>SECTION NO. 2</u></p> <p><u>BILL NO.1</u></p> <p><u>CONCRETE, FORMWORK AND REINFORCEMENT</u></p> <p>NOTE : Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No. 110 for CPAP formula purposes</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 principal agent. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval of the engineer. (Test cubes are measured separately)</p> <p><u>Formwork</u></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>			
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	<u>Rough formwork to sides</u>				
2/1/6	Edges, risers, ends and reveals not exceeding 300mm high or wide circular (not?) exceeding 1m radius	m	655		
	<u>REINFORCEMENT (PROVISIONAL)</u>				
	<u>(CPAP FORMULA WORK GROUP NO. 114)</u>				
	<u>Fabric reinforcement</u>				
2/1/7	Type193 fabric reinforcement	m2	845		

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**COMPLETION OF NEW RESIDENTIAL HOUSING
DARK & SILVER CITY
BOTTOM SITE**

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO. 2</u></p> <p><u>BILL NO.2</u></p> <p><u>MASONRY</u></p> <p>NOTE : Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No. 116 for CPAP formula purposes</p> <p><u>GENERALLY</u></p> <p><u>Fire Bricks:</u> Fireclay and silica firebricks shall comply with SABS 35 and shall be capable of passing the refractory tests covered by SABS Code of Practice 016</p> <p><u>Cement Bricks:</u> Cement bricks shall be at least Class 7 complying with SABS 589</p> <p><u>Hollow Clay Building Blocks:</u> Hollow clay building blocks shall comply with SABS 589</p> <p><u>Mortar, etc:</u> All mortar shall be mixed in a mortar mixing machine or on a non-absorbent, close-jointed timber or iron platform. The mixing machine or platform shall be kept clean and old mortar shall be removed before any new batch of mortar is prepared for mixing</p> <p><u>Dagha Boards:</u> All dagha boards must be cleaned off at the end of each day</p> <p><u>Brickwork and Blockwork Generally</u></p> <p><u>Gauge rod:</u> A gauge rod must be prepared for the Architect's approval before any brickwork is commenced and all brickwork or blockwork must be built to this gauge</p> <p><u>Levelling:</u> The brickwork or blockwork, etc must be levelled at each course, window sills and floors</p> <p style="text-align: right;">Carried to Collection</p> <p>Section No. 2 BUILDINGS Bill No. 2 MASONRY FREE STATE DEPARTMENT OF HUMAN SETTLEMENTS</p>			
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**COMPLETION OF NEW RESIDENTIAL HOUSING
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<u>Screen walls of type "Watson" or similar approved 190 x 190mm grille blocks in class II mortar pointed with recessed joints</u>					
2/2/9	190mm Thick concrete grille block walls pointed on both sides in staircase openings	m2	895		
Carried to Collection				R	
Section No. 2 BUILDINGS Bill No. 2 MASONRY FREE STATE DEPARTMENT OF HUMAN SETTLEMENTS					

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**COMPLETION OF NEW RESIDENTIAL HOUSING
DARK & SILVER CITY
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	<u>"Swartland Winsters" solid hardwood doors or similar approved hung to steel frame</u>			
2/4/4	44mm Door 813 x 2032mm high	No	51	
	<u>EAVES, VERGES, ETC</u>			
	<u>"Everite" pressed nutec-cement or similar barge board:</u>			
2/4/5	15 x 225mm Fascias and bargeboards including galvanised steel H-profile jointing strips	m	273	
	Carried to Collection			R
	Section No. 2			
	BUILDINGS			
	Bill No. 4			
	CARPENTRY AN JOINERY			
	FREE STATE DEPARTMENT OF HUMAN SETTLEMENTS			

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**COMPLETION OF NEW RESIDENTIAL HOUSING
DARK & SILVER CITY
BOTTOM SITE**

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO. 2</u></p> <p><u>BILL NO.5</u></p> <p><u>IRONMONGERY</u></p> <p>NOTE : Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No. 132 for CPAP formula purposes</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Finishes to ironmongery</u></p> <p>Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list: BS Satin bronze lacquered CH Chromium plated SC Satin chromium plated SE Silver enamelled GE Grey enamelled AS Anodised silver AB Anodised bronze AG Anodised gold ABL Anodised black PB Polished brass PL Polished and lacquered PT Epoxy coated SD Sanded</p> <p><u>LOCKS</u></p> <p><u>"ESCO"</u></p> <p>2/5/1 Four lever mortice chrome plated CP Nutec lockset (Code:22313-76 SS) with and including "Waterbok" handle set (Code: AC6W45-24SC) No 587</p> <p><u>PELMETS AND CURTAIN TRACKS</u></p> <p><u>"Yokota" or similar approved curtain tracks</u></p> <p>2/5/2 "Yokota Racer" anodised aluminium double curtain track including eleven single wheeled carriers per metre, brackets, stopped ends, bends, etc., with brackets plugged m 871</p> <p style="text-align: right;">Carried to Collection</p> <p>Section No. 2 BUILDINGS Bill No. 5 IRONMONGERY FREE STATE DEPARTMENT OF HUMAN SETTLEMENTS</p>			
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Carried to Collection

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**COMPLETION OF NEW RESIDENTIAL HOUSING
DARK & SILVER CITY
BOTTOM SITE**

	<u>Stainless steel</u>				
2/10/4	860 x 435mm Drop-in sink with single 345 x 410mm end bowl on cupboard (cupboard elsewhere)	No	135		
	<u>"Vaal"</u>				
2/10/5	510 x 405mm "Hibiscus" washhand basin, fitted with a 32mm waste fitting chain and plug and fixed to wall on pair of 19mm brackets. Code: 702303	No	96		
2/10/6	White vitreous china "Aquasave" low level WC suite with a 90 degree outlet washdown pan and matching 6 litre siso cistern complete with lid, fitment and flush pipe or similar approved. Code: 7031	No	130		
2/10/7	White vitreous china "Protea Paraplegic" 90 degree outlet pan	No	62		
2/10/8	Libra Cola 90 shower tray, underwall stoptraps, CP, with sleeves and flanges	No	196		
	<u>TRAPS</u>				
	<u>Brass traps, waste unions, etc:</u>				
2/10/9	38mm Shower trap as "Cobra VA2.341" with and including chromium plated grating as "Cobra 323", set in concrete floor and joint to UPVC pipe	No	149		
	<u>"Flexitraps":</u>				
2/10/10	32 x 40mm Butyl rubber "P" or "S" trap jointed to waste outlet fitting and to 50mm UPVC pipe including clamps	No	328		
	<u>"Cobra Watertech"</u>				
2/10/11	15mm 078CP shower rose	No	430		
2/10/12	15mm 027CP overhead shower arm	No	430		
	Carried to Collection			R	
	Section No. 2 BUILDINGS Bill No. 10 PLUMBING DRAINAGE FREE STATE DEPARTMENT OF HUMAN SETTLEMENTS				

Carried to Collection

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**COMPLETION OF NEW RESIDENTIAL HOUSING
DARK & SILVER CITY
BOTTOM SITE**

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO.11</u>			
	<u>GLAZING</u>			
	NOTE : Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No. 150 for CPAP formula purposes			
	<u>GLAZING TO STEEL WITH PUTTY</u>			
	<u>4mm Annealed clear glass</u>			
2/11/1	Panes not exceeding 0,1m2	m2	270	
	<u>4mm Obscure glass</u>			
2/11/2	Panes not exceeding 0.1m2	m2	109	
	<u>6mm Clear toughened safety glass</u>			
2/11/3	Panes exceeding 0,1m2 and not exceeding 0,5m2	m2	142	
	<u>MIRRORS</u>			
	<u>Mirrors shall be silvered float glass with polished edges all round, and fixed with double sided adhesive tape:</u>			
2/11/4	6mm Mirror size 450 x 600mm, four times holed and recessed to tiling and fixed to plastered wall	No	435	
	Carried Forward to Summary of Section No. 2			
	Section No. 2			
	BUILDINGS			
	Bill No. 11			
	GLAZING			
	FREE STATE DEPARTMENT OF HUMAN SETTLEMENTS			

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**COMPLETION OF NEW RESIDENTIAL HOUSING
DARK & SILVER CITY
BOTTOM SITE**

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO. 2</u></p> <p><u>BILL NO.12</u></p> <p><u>PAINTWORK</u></p> <p>NOTE : Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No. 152 for CPAP formula purposes</p> <p><u>Materials</u></p> <p>All painting materials used in this contract shall be of the manufacture specified and shall comply with the manufacturer's application instructions</p> <p>When the Contractor's tender has been accepted, he shall submit to the Architect, for approval, a list of all painting and decorating materials he proposes to use. This list shall show the name of the manufacturer and the trade/brand name of the paint or other material. Only those paints and materials that have been approved by the Architect shall be brought on the site and used on the works. The Architect may inspect the paint so brought on and take samples from them for testing purposes</p> <p>On no account may paint from different manufacturers be mixed together</p> <p><u>NOTES</u></p>			
	Carried to Collection			
	<p>Section No. 2</p> <p>BUILDINGS</p> <p>Bill No. 12</p> <p>PAINTWORK</p> <p>FREE STATE DEPARTMENT OF HUMAN SETTLEMENTS</p>			
			R	

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**COMPLETION OF NEW RESIDENTIAL HOUSING
DARK & SILVER CITY
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	<u>ON METAL</u>				
	<u>Prepare, clean surfaces free of rust and apply two coats gloss enamel paint</u>				
2/12/5	On door frames	m2	60		
2/12/6	On doors including frames	m2	45		
2/12/7	On windows with burglar bars	m2	136		
2/12/8	Balustrading	m	276		
	<u>PAINTWORK ETC TO NEW WORK</u>				
	<u>ON FLOATED PLASTERED SURFACES</u>				
	<u>Prepare, stop and apply one acrylic fillercoat and two coats super acrylic interior PVA finishing coats</u>				
2/12/9	On plastered walls	m2	4 582		
2/12/10	On internal concrete soffits	m2	3 856		
	<u>Prepare, stop and apply one acrylic fillercoat and two coats super acrylic exterior PVA finishing coats</u>				
2/12/11	On external plastered walls	m2	6 580		
	<u>ON WOOD SURFACES</u>				
	<u>One coat wood primer, one coat universal undercoat and two coats high gloss enamel</u>				
2/12/12	On doors	m2	945		
	<u>ON METAL SURFACES</u>				
	<u>Touch up manufacturer's priming coat with metal primer for steel and apply one coat undercoat and one coat loss enamel</u>				
2/12/13	On door frames	m2	328		
	Carried to Collection			R	
	Section No. 2				
	BUILDINGS				
	Bill No. 12				
	PAINTWORK				
	FREE STATE DEPARTMENT OF HUMAN SETTLEMENTS				

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**COMPLETION OF NEW RESIDENTIAL HOUSING
DARK & SILVER CITY
BOTTOM SITE**

3/1/8	Profit on above items	Item		
3/1/9	Attendance on ditto	Item		
<p style="text-align: right;">Carried to Collection</p> <p>Section No. 3 PROVISIONAL SUMS Bill No. 1 PROSISIONAL SUMS FREE STATE DEPARTMENT OF HUMAN SETTLEMENTS</p>				

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**COMPLETION OF NEW RESIDENTIAL HOUSING
DARK & SILVER CITY
BOTTOM SITE**

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO. 4</u></p> <p><u>BILL NO. 1</u></p> <p><u>EXTERNAL WORKS (PROVISIONAL)</u></p> <p><u>NOTE:</u> The use of trade names simply serves to indicate a standard acceptable to the Principal Agent. Any other brand may be used with prior written approval of the Principal Agent</p> <p>NOTE: Tenderers are advised to study the Model Preambles for Trades 2008 published by the Association of South African Quantity Surveyors</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Preambles</u></p> <p>The Standard Preambles and the Notes in the various trade bills are to, and do, apply equally to this section.</p> <p><u>Proprietary Products In Descriptions</u></p> <p>Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent</p> <p><u>Nature Of Material To Be Excavated</u></p> <p>The material to be excavated is assumed to be predominantly of a composition that will allow excavation in "earth" as specified, but including a percentage of excavation in "soft rock" and "hard rock"</p>			
	Carried to Collection			
	<p>Section No. 4</p> <p>EXTERNAL WORKS</p> <p>Bill No. 1</p> <p>EXTERNAL WORKS</p> <p>FREE STATE DEPARTMENT OF HUMAN SETTLEMENTS</p>			
			R	

**COMPLETION OF NEW RESIDENTIAL HOUSING
DARK & SILVER CITY
BOTTOM SITE**

Carting Away Of Excavated Material

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

Density Testing On Filling

Rates for filling, etc. shall include for all density and soil type testing to prove that the specified compaction is achieved

When additional testing is done on instruction of the Principal Agent and these tests are successful, they will be paid for additionally

Nature of ground

The nature of the ground is assumed to be loose sandy material, therefore 'earth', but possibly interspersed with 'soft rock' or 'hard rock'

A soils investigation has been carried out on the site by the engineer and the report is annexed to these bills of quantities. The soils report indicates that the ground varies between silty sand, reworked soil of mixed origin and residual shale, all of which will be deemed as 'earth'. All very hard unweathered shale, ironstone, etc, the removal of which necessitates the use of explosives or heavy duty hydraulic percussion hammers (peckers), will be classified as 'hard rock'

Formwork

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"

Carried to Collection

Section No. 4
EXTERNAL WORKS
Bill No. 1
EXTERNAL WORKS

FREE STATE DEPARTMENT OF HUMAN SETTLEMENTS

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**COMPLETION OF NEW RESIDENTIAL HOUSING
DARK & SILVER CITY
BOTTOM SITE**

	<u>80mm Thick 35MPa precast concrete interlocking block paving of 100 x 200mm autumn colour paving blocks in accordance with SANS 1058, laid to falls on and including 25mm thick sand layer with joints filled in with sand, compacted with a vibration compactor</u>				
4/1/7	Paving to roadway areas	m2	3 415		
	<u>60mm Thick 35MPa precast concrete interlocking block paving of 100 x 200mm autumn colour paving blocks in accordance with SANS 1058, laid to falls on and including 25mm thick sand layer with joints filled in with sand, compacted with a vibration compactor</u>				
4/1/8	Paving to sidewalks etc to falls	m2	835		
	<u>Precast concrete finished smooth on exposed surfaces, including bedding, jointing and pointing</u>				
4/1/9	250 x 150mm High kerbs (SANS 927 fig 8) with 150 x 150 x 300mm unreinforced concrete haunching at back of each joint, including excavation, backfilling, etc	m	328		
	<u>Road signs</u>				
4/1/10	Standard "STOP" sign with 50mm diameter galvanised mild steel post bedded in and including unreinforced concrete base, including any necessary excavation, paint finish, etc	No	28		
	<u>Paintwork</u>				
	<u>Prepare and apply one coat white reflective road marking paint on bituminous road surfacing, precast concrete paving blocks, etc</u>				
4/1/11	100mm Wide line	m	365		
4/1/12	100mm Wide dotted line	m	99		
4/1/13	Arrow 4000 x 300mm overall	No	9		
Carried to Collection				R	
Section No. 4 EXTERNAL WORKS Bill No. 1 EXTERNAL WORKS FREE STATE DEPARTMENT OF HUMAN SETTLEMENTS					

**COMPLETION OF NEW RESIDENTIAL HOUSING
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4/1/14	Arrow 5000 x 300mm overall	No	8		
4/1/15	Pedestrian crossing line 100mm wide x 3 000mm high	No	3		
4/1/16	Numeral or letter 500mm wide x 1300mm high overall of 150mm average thickness	No	4		
<u>BUDGETARY ALLOWANCES</u>					
<u>Landscaping</u>					
4/1/17	Provide the sum of R 950 000.00 (Nine Hundred and Fifty Thousand Rand) for soft landscaping not covered elsewhere in this document and to be deducted in part or whole if not required		Item		950 000.00
<u>THE FOLLOWING IN PALISADE FENCING</u>					
<u>EARTHWORKS</u>					
<u>Clearing Of Site:</u>					
4/1/18	Allow for clearing site for the width of 1,000 mm where fencing runs are to be erected including removing trees, shrubs etc. not exceeding 200mm girth, grubbing up roots and roughly levelling.	m	368		
<u>METALWORK</u>					
<u>Mild Steel</u>					
Carried to Collection				R	
Section No. 4 EXTERNAL WORKS Bill No. 1 EXTERNAL WORKS FREE STATE DEPARTMENT OF HUMAN SETTLEMENTS					

**COMPLETION OF NEW RESIDENTIAL HOUSING
DARK & SILVER CITY
BOTTOM SITE**

<p><u>"Devil's Fork" Palisade Security Fencing, Primed For Painting (Painting Elsewhere Measured)</u></p>				
<p>4/1/19 3000 x 1800mm High palisade fence panel formed with twenty 1800mm long 25 x 25 x 3mm vertical intermediary angle section, continuous welded to and including 40 x 40 x 3mm angle iron section slotted top, middle and bottom as horizontal supports welded to steel posts on both ends; twenty one 100mm long 25 x 25 x 3mm angle iron sections ends welded to the top horizontal bearer; twenty one 600mm long 25 x 25 x 3mm angle iron sections welded to bottom and middle bearer to form doggy bars. (Posts and footings elsewhere measured)</p>	No	520		
<p>4/1/20 Pedestrian gate 840 x 1600mm high, formed with six 1800mm long 25 x 25 x 3mm vertical intermediary angle section, continuous welded to and including 100 x 50 x 3mm hollow section frame and 40 x 40 x 3mm angle iron section slotted middle and bottom as horizontal supports welded to the frame; five 100mm long 25 x 25 x 3mm angle iron sections ends welded to the top horizontal bearer; five 600mm long 25 x 25 x 3mm angle iron sections welded to bottom and middle bearer to form doggy bars, with two 20mm diameter bullet hinges welded on to the gate post (elsewhere), gate handle, etc.</p>	No	1		
<p>4/1/21 Sliding motor vehicle gate 6000 x 1800mm high, formed with thirty three 1800mm long 25 x 25 x 3mm vertical intermediary angle section, continuous welded to and including 100 x 50 x 3mm hollow section frame and 40 x 40 x 3mm angle iron section slotted middle and bottom as horizontal supports welded to the frame; thirty four 100mm long 25 x 25 x 3mm angle iron sections ends welded to the top horizontal bearer; thirty four 600mm long 25 x 25 x 3mm angle iron sections welded to bottom and middle bearer to form doggy bars, with two pairs of rollers fitted to the underside of the gate, two guide rollers, gate handle, etc.</p>	No	1		
<p>4/1/22 80mm Union 3122 padlock including two padlock lugs welded on to framing.</p>	No	2		
<p style="text-align: right;">Carried to Collection</p> <p>Section No. 4 EXTERNAL WORKS Bill No. 1 EXTERNAL WORKS FREE STATE DEPARTMENT OF HUMAN SETTLEMENTS</p>			R	

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**COMPLETION OF NEW RESIDENTIAL HOUSING
DARK & SILVER CITY
BOTTOM SITE**

4/1/63	<u>Prepare, stop and apply one exterior acrylic undercoat and two coats super acrylic "Midas Envirolite" finishing coats</u>	m2	88		
4/1/64	<u>Prepare, stop and apply one interior acrylic undercoat and two coats super acrylic "Midas Envirolite" finishing coats</u> On plastered internal	m2	131		
4/1/65	<u>On plaster board</u> <u>One filler coat and two coats exterior quality PVA emulsion paint</u> On ceilings and cornices	m2	40		
4/1/66	<u>On metal</u> <u>Touch up manufacturer's priming coat with metal primer for steel and apply one coat undercoat and one coat gloss enamel on:</u> On doors	m2	23		
4/1/67	Door frames	m2	1		
<u>SUPPLEMENTARY PREAMBLES</u>					
<u>BUDGETARY ALLOWANCES</u>					
<u>Cleaning</u>					
4/1/68	Allow the Budgetary Amount of R 220 000.00 (Two Hundred and Twenty Thousand Rand) NET for general cleaning and carting away rubble from site	Item	220 000.00		
Carried to Collection				R	
Section No. 4 EXTERNAL WORKS Bill No. 1 EXTERNAL WORKS FREE STATE DEPARTMENT OF HUMAN SETTLEMENTS					

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**COMPLETION OF NEW RESIDENTIAL HOUSING
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BOTTOM SITE**

Section No	<u>FINAL SUMMARY</u>	Page No		Amount
1	PRELIMINARIES AND GENERAL	31		
2	BUILDINGS	63		
3	PROVISIONAL SUMS	67		
4	EXTERNAL WORKS	80		
5	ELECTRICAL WORK	81		
	SUB TOTAL 1		R	
	ADD: Budgetary amount for Community Liaising Officer to be used as directed by the Principal Agent or deducted in whole or in part if not required.	Item		36 000.00
	SUB TOTAL 2		R	
	ADD: Contingencies of 5% of subtotal Part3 to be used as directed by the Principal Agent or deducted in whole or in part if not required.	Item		
	SUB TOTAL 3		R	
	ADD: Provision for CPA	Item		1 544 000.00
	SUB TOTAL 4		R	
	Add VAT		R	
	TOTAL CARRIED TO FORM OF TENDER		R	
	Carried to Form of Tender		R	
	FREE STATE DEPARTMENT OF HUMAN SETTLEMENTS			