

Item No		Quantity	Rate	Amount
	<p><b><u>SECTION NO. 01</u></b></p> <p><b><u>BILL NO 1</u></b></p> <p><b><u>PRELIMINARIES AND GENERALS</u></b></p> <p><b><u>BUILDING AGREEMENT AND PRELIMINARIES</u></b></p> <p><b><u>NOTES</u></b></p> <p>i) The <b>Agreement</b> is to be the JBCC Series 2000 Principal Building Agreement, March 2005 Edition, including all other JBCC support documentation that together form the contract between the Employer and Contractor</p> <p>ii) The <b>Preliminaries</b> are to be the JBCC Series 2000 Preliminaries, May 2005 Edition for use with the JBCC Principal Building Agreement and shall be deemed to be incorporated herein</p> <p>iii) The Tenderer is deemed to have referred to the abovementioned documents for the full intent and meaning of each clause. These clauses are referred to by clause number and heading only</p> <p>iv) Where standard clauses or options are not applicable to this contract such modifications, corrections or supplements as are necessary, are given under each relevant clause</p> <p>v) Where any items are not used for this specific contract such items are nevertheless listed but marked NOT APPLICABLE in the amount column</p> <p>vi) If option A as set out in clause B10.3.1 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 and entered in the spaces provided under each item</p>			
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vii) Items not priced in these preliminaries shall be deemed to be included elsewhere

viii) Should there be any discrepancy between these Preliminaries and the Agreement, these Preliminaries shall take precedence

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**SECTION A: PRINCIPAL BUILDING AGREEMENT**

**DEFINITIONS (A1)**

1 Definitions and interpretation (clause 1)

Fixed:..... Value Related:..... Time Related:.....

Item

**OBJECTIVE AND PREPARATION (A2 TO A14)**

2 Offer, acceptance and performance (clause 2)

Fixed:..... Value Related:..... Time Related:.....

Item

3 Documents (clause 3)

Fixed:..... Value Related:..... Time Related:.....

Item

4 Design responsibility (clause 4)

Fixed:..... Value Related:..... Time Related:.....

Item

5 Employer's agents (clause 5)

Fixed:..... Value Related:..... Time Related:.....

Item

6 Site representative (clause 6)

Fixed:..... Value Related:..... Time Related:.....

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<p>7</p>	<p>Compliance with regulations (clause 7)</p> <p>Occupational Health and Safety Act, 1993</p> <p>Without limiting the generality of the provisions of clause 7.1 of the <b>Agreement</b>, the <b>Contractor's</b> attention is drawn to the provisions of the Construction Regulations, 2003 issued in terms of the Occupational Health and Safety Act, 1993 in which it is specifically stated that the <b>Employer</b> shall prepare a documented health and safety specification for the <b>Works</b> (refer to <b>Annexure A</b>, annexed to these bills of quantities, for a copy of the relevant specification) and that the <b>Employer</b> shall ensure that the <b>Contractor</b> has made provision for the cost of health and safety measures during the execution of the Works</p> <p>Fixed:..... Value Related:..... Time Related:.....</p>	<p>Item</p>		
<p>8</p>	<p>Works risk (clause 8)</p> <p>Fixed:..... Value Related:..... Time Related:.....</p>	<p>Item</p>		
<p>9</p>	<p>Indemnities (clause 9)</p> <p>Fixed:..... Value Related:..... Time Related:.....</p>	<p>Item</p>		
<p>10</p>	<p>Works insurances (clause 10)</p> <p>Fixed:..... Value Related:..... Time Related:.....</p>	<p>Item</p>		
<p>11</p>	<p>Liability insurances (clause 11)</p> <p>Fixed:..... Value Related:..... Time Related:.....</p>	<p>Item</p>		
<p>12</p>	<p>Effecting insurances (clause 12)</p> <p>Fixed:..... Value Related:..... Time Related:.....</p>	<p>Item</p>		
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13	<p>Security (clause 14)</p> <p>Notwithstanding the provisions of sub-clause 14.1, the <b>Contractor</b> shall, with his tender, submit a <b>letter of intent from an accredited guarantor</b>, undertaking to provide the <b>selected JBCC construction guarantee</b> to the format appended to the back of these bills of quantities</p> <p>Such selected <b>security</b> shall be provided to the <b>Employer</b> within five (5) <b>working days</b> of written acceptance of the <b>Contractor's</b> tender</p> <p>The <b>employer</b> reserves the right to reject a construction guarantee if, in the opinion of the <b>employer</b>, the guarantor is not accredited</p> <p>Fixed:..... Value Related:..... Time Related:.....</p>	Item	R
14	<p>No clause (clause 13)</p> <p><b>EXECUTION (A15 TO A23)</b></p>	Item	
15	<p>Preparation for and execution of the Works (clause 15)</p> <p>Fixed:..... Value Related:..... Time Related:.....</p>	Item	
16	<p>Access to the Works (clause 16)</p> <p>Fixed:..... Value Related:..... Time Related:.....</p>	Item	
17	<p>Contract instructions (clause 17)</p> <p>In addition to the provisions of sub-clause 17.3, contract instructions are to be recorded in triplicate in a contract instruction book, which is to be supplied and maintained on site by the <b>Contractor</b></p> <p>Fixed:..... Value Related:..... Time Related:.....</p>	Item	
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18	<p>Setting out of the Works (clause 18)</p> <p>The <b>Contractor</b> shall notify the <b>Construction Project Manager</b> if any encroachments of adjoining foundations, buildings, structures, pavements, boundaries, etc. exist in order to make the necessary arrangements for the rectification of any such encroachments</p> <p>Fixed:..... Value Related:..... Time Related:.....</p>	Item		
19	<p>Assignment (clause 19)</p> <p>Fixed:..... Value Related:..... Time Related:.....</p>	Item		
20	<p>Nominated Subcontractors (clause 20)</p> <p>In addition to the provisions of sub-clause 20.1.2, the <b>Contractor</b> shall, at any time on being requested to do so by the <b>Construction Project Manager</b>, furnish a copy of the JBCC Nominated Subcontract Agreement to the <b>Employer</b>, within five (5) working days of such request</p> <p>Fixed:..... Value Related:..... Time Related:.....</p>	Item		
21	<p>Selected Subcontractors (clause 21)</p> <p>Fixed:..... Value Related:..... Time Related:.....</p>	Item		
22	<p>Employer's Direct Contractors (clause 22)</p> <p>Fixed:..... Value Related:..... Time Related:.....</p>	Item		
23	<p>Contractor's Domestic Subcontractors (Clause 23)</p> <p>In addition to the provisions of sub-clause 23.1, the <b>Contractor</b> shall, at any time on being requested to do so by the <b>Construction Project Manager</b>, furnish a copy of the Domestic Subcontract Agreement to the <b>Employer</b>, within five (5) working days of such request</p> <p>Fixed:..... Value Related:..... Time Related:.....</p>	Item		
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<b><u>COMPLETION (A24 TO A30)</u></b>				
24	Practical completion (clause 24) Fixed:..... Value Related:..... Time Related:.....	Item		
25	Works completion (clause 25) Fixed:..... Value Related:..... Time Related:.....	Item		
26	Final completion (clause 26) Fixed:..... Value Related:..... Time Related:.....	Item		
27	Latent defects liability period (clause 27) Fixed:..... Value Related:..... Time Related:.....	Item		
28	Sectional completion (clause 28) Fixed:..... Value Related:..... Time Related:.....	Item		
29	Revision of date for practical completion (clause 29) Fixed:..... Value Related:..... Time Related:.....	Item		
30	Penalty for noncompletion (clause 30) Fixed:..... Value Related:..... Time Related:.....	Item		
<b><u>PAYMENT (A31 TO A35)</u></b>				
31	Interim payment to the contractor (clause 31)  Clause 31.4.2 is amended by adding the following:  Materials and goods stored off site shall not be included in the amount authorised for payment  Fixed:..... Value Related:..... Time Related:.....	Item		
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32	<p>Adjustment to the contract value (clause 32)</p> <p>Clauses 32.5.1, 32.5.4 and 32.5.7 are amended by the addition of the following at the end of the sentence:</p> <p>"due to no fault of the <b>contractor</b>"</p> <p>Fixed:..... Value Related:..... Time Related:.....</p>	Item		
33	<p>Recovery of expense and loss (clause 33)</p> <p>Fixed:..... Value Related:..... Time Related:.....</p>	Item		
34	<p>Final account and final payment (clause 34)</p> <p>Fixed:..... Value Related:..... Time Related:.....</p>	Item		
35	<p>Payment to other parties (clause 35)</p> <p>Fixed:..... Value Related:..... Time Related:.....</p>	Item		
<b><u>CANCELLATION (A36 TO A39)</u></b>				
36	<p>Cancellation by Employer - Contractor's default (clause 36)</p> <p>Fixed:..... Value Related:..... Time Related:.....</p>	Item		
37	<p>Cancellation by Employer - Loss and damage (clause 37)</p> <p>Fixed:..... Value Related:..... Time Related:.....</p>	Item		
38	<p>Cancellation by Contractor - Employer's default (clause 38)</p> <p>Fixed:..... Value Related:..... Time Related:.....</p>	Item		
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39 Cancellation - Cessation of the Works (clause 39)  
Fixed:..... Value Related:..... Time  
Related:.....

Item

**DISPUTE (A40)**

40 Dispute settlement (clause 40)  
Fixed:..... Value Related:..... Time  
Related:.....

Item

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41	<p><b><u>SUBSTITUTE PROVISIONS (A41)</u></b></p>	Item	R
	<p>State clauses (clause 41)</p> <p>The following standard clauses to be marked with a # or the # deleted as indicated:</p> <p>Clause 3.5 - Add #          Clause 10.3 - Delete #          Clause 19.2 - Add #          Clause 21.1/10 - Add #          Clause 26.1.2 - Add #          Clause 31.12 - Add #          Clause 31.16 - Delete #          Clause 34.1 - Delete #          Clause 34.2 - Add #</p> <p>The following state clause references are to be amended as indicated:</p> <p>Clause 10.2/4 - Amend to 10.2 and 10.4, both marked "no clause"</p> <p>The following state clauses are to be expanded as indicated:</p> <p>Clause 34.1.2 - Add the wording "of the date of practical completion" after the words "working days"</p> <p>The following additional state clauses are to be substituted for the standard clauses printed in the body of the text:</p> <p>Clause 3.5 - See 5.1.2 below          Clause 21.1/10 - No clause</p> <p>Fixed:..... Value Related:..... Time Related:.....</p>		
	<p><b><u>CONTRACT VARIABLES (A42)</u></b></p>		
	<p><b><u>THE SCHEDULE</u></b></p>		
42	<p>Pre-tender information (clause 42)</p> <p>Fixed:..... Value Related:..... Time Related:.....</p>	Item	
	<p><b>Carried to Collection</b></p>		
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**42.1 CONTRACTING AND OTHER PARTIES**

42.1.1 **Employer:** The Department of public Transport Roads and Works, Directorate Capital Works and Maintenance of the Gauteng Provincial Government

Postal address: Private Bag X83, MARSHALLTOWN,

Code 2107

Tel (011) 355 2707

Fax (011) 355 2727

E-mail stephnusg@gpg.gov.za

Tax/VAT Registration No: Not applicable

[1.2] Physical Address: Room 1037, Nedbank Building, 38 Rissik Street (Cnr. Market), JOHANNESBURG

**42.1.2 Principal Agent:T.A Ndlovu Quantity Surveyors and Project Managers**

[5.1] Postal Address: Private Bag X2329 Rustenburg 0300

Tel: 012 012 5090

Fax: 086 602 9115

E-mail: tinyiko.albert@gmail.com

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42.1.4 **Agent (1) :**

[5.2]

**Agent's service:**

Postal address:

Code:

Tel:

Fax:

Email:

42.1.5 **Agent (2) :**

[5.2]

**Agent's service:**

Postal Address:

Code:

Tel:

Fax:

Email:

42.1.6 **Agent (3) :**

[5.2]

**Agent's service:**

Postal address:

Code:

Tel:

Fax:

Email:

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42.1.7 **Agent (4) :**  
[5.2]

**Agent's service:**

Postal address:

Code:

Tel:

Fax:

Email:

**42.2            CONTRACT DETAILS**

42.2.1            **Works description:**

See Notice to Tenderers

42.2.2            **Site description:**

See Notice to Tenderers

42.2.3            Work or installations by **direct**  
**contractors:**  
[22.2#]

No clause

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42.2.4 Specific options that are applicable to a State organ only

[41.0] Where so:

[31.11.2#] (1) Interest rate legislation:  
**As determined by the Minister of Justice in terms of Section 1(2) of the Prescribed Rate of Interest Act, 1975 (Act no. 55 of 1975) from time to time**

[11.2#] (2) Lateral support insurance to be effected by the Contractor:  
**No**

[31.4.2#] (3) Payment will be made for materials and goods:  
**Yes**

[40.2.2#] (4) Dispute resolution by litigation:  
**Yes**

[26.1.2#] (5) Extended defects liability period applicable to the following elements:  
**Structural steel**

42.2.5 Possession of the site is to be given:

[15.2.1#] **Within five (5) working days of the contractor providing the employer with the construction guarantees in accordance with the provisions of 14.0**

42.2.6 Period for the commencement of the Works after the Contractor takes possession of the site:

[15.3] **Five (5) working days**

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42.2.7 Intended date of **practical completion** and the **penalty per calendar day** for the **works** as a whole:

[24.3.1] **Within (424 ) calendar days of the commencement of the construction period**

[30.1] and the **penalty per calendar day**

**An amount equal to 0.04cents per R100.00 of the contract sum exclusive of Value Added Tax**

or

42.2.8 Intended date of **practical completion** and the **penalty per calendar day** for the **works in sections:**

No clause

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

[1.2] **Republic of South Africa**

**42.3 INSURANCES**

42.3.1 Contract Works insurance to be effected by:  
[10.1#, 10.2#, 12.1#]

**Contractor:**

**For a sum equal to the Contract Sum plus 20%**

**With a deductible equal to 0,1% of the above insured amount**

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42.3.2 Supplementary insurance is required:  
[10.1#, 10.2#, 12.1#]

**No**

42.3.3 Public liability insurance to be effected  
by:  
[11.1#, 12.1#]

**Contractor:**

**For the Sum of R 5 000 000.00....**

**With a deductible of R 5 000.00**

42.3.4 Support insurance to be effected by:  
[11.2#, 12.1#]

**No applicable**

**42.4 DOCUMENTS**

42.4.1 Waiver of the **Contractor's** lien or right  
of continuing  
possession is required:  
[3.3#, 15.1.3#, 31.16.2#]

**Yes**

42.4.2 Construction document copies to be  
supplied to the

**Contractor** free of charge:

[3.7] **Two (2)**

42.4.3 **Bills of Quantities/Lump sum**  
**document** schedule of rates  
drawn up in accordance with:

**Standard System of Measuring**  
**Building Work 1999, Sixth**  
**Edition (Revised)**

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42.4.4 On acceptance of the tender the **bills of quantities/lump sum document** is to be submitted within **working days**:

[15.1.1] **Piced bills of quantities to be submitted on close of tender**

42.4.5 **JBCC Engineering General Conditions** are to be included in the **contract documents**:

[3.4] **No**

42.4.6 The **contract value** is to be adjusted using **CPAP** indices:

[31.5.3] **No**

[32.13] Where **CPAP** is to be used the base month is **as defined in the CPAP Indices Application Manual**

Alternative indices (if applicable):

**Not applicable**

Note: All fluctuations in costs shall be for the contractor's account

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42.4.7 Details of changes made to the provision of **JBCC** standard documentation:

[3.10]

**Section A**

- Clause 7 Note added
- Clause 14 Note added/amended
- Clause 17 Note added
- Clause 18 Note added
- Clause 20 Note added
- Clause 21 Note added
- Clause 23 Note added
- Clause 31 Amended
- Clause 41 Amended

**Section B**

- Clause 2.5 Note added
- Clause 2.6 Amended
- Clause 4.1 Note added
- Clause 6.3 Note added
- Clause 6.4 Note added
- Clause 9.1 Note added
- Clause 10.1 Note added
- Clause 10.3 Note added/amended

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**SECTION B: PRELIMINARIES**

**DEFINITIONS AND INTERPRETATION (B1)**

43 Definitions and interpretation (B1.1 to B1.4.6)  
 Fixed:..... Value Related:..... Time  
 Related:.....

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**DOCUMENTS (B2)**

44 Checking of documents (B2.1)  
 Fixed:..... Value Related:..... Time  
 Related:.....

Item

45 Provisional bills of quantities (B2.2)  
 See Schedule of Variables (B12)  
 Fixed:..... Value Related:..... Time  
 Related:.....

Item

46 Availability of construction documentation (B2.3)  
 See Schedule of Variables (B12)  
 Fixed:..... Value Related:..... Time  
 Related:.....

Item

47 Interests of agents (B2.4)  
 See Schedule of Variables (B12)  
 Fixed:..... Value Related:..... Time  
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48	<p>Priced documents (B2.5)</p> <p>Notwithstanding the provisions of this clause, the contractor shall submit the priced documents within the time as stated in A42.4.4 of the <b>Schedule of Contract Variables</b></p> <p>Rates (items)</p> <p>Where appropriate, rates for similar items in the various sections of these bills of quantities should be the same</p> <p>Fixed:..... Value Related:..... Time Related:.....</p>	Item		
49	<p>Tender submission (B2.6)</p> <p>This clause is amended by substituting "JBCC Form of Tender" with "<b>Official Form of Tender</b>":</p> <p>Fixed:..... Value Related:..... Time Related:.....</p>	Item		
<b><u>THE SITE (B3)</u></b>				
50	<p>Defined works area (B3.1)</p> <p>See Schedule of Variables (B12)</p> <p>Fixed:..... Value Related:..... Time Related:.....</p>	Item		
51	<p>Geotechnical investigation (B3.2)</p> <p>See Schedule of Variables (B12)</p> <p>Fixed:..... Value Related:..... Time Related:.....</p>	Item		
52	<p>Inspection of the site (B3.3)</p> <p>Fixed:..... Value Related:..... Time Related:.....</p>	Item		
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53	<p>Existing premises occupied (B3.4)</p> <p>See Schedule of Variables (B12)</p> <p>Fixed:..... Value Related:..... Time Related:.....</p>	Item		
54	<p>Previous work - dimensional accuracy (B3.5)</p> <p>See Schedule of Variables (B12)</p> <p>Fixed:..... Value Related:..... Time Related:.....</p>	Item		
55	<p>Previous work - defects (B3.6)</p> <p>See Schedule of Variables (B12)</p> <p>Fixed:..... Value Related:..... Time Related:.....</p>	Item		
56	<p>Services - known (B3.7)</p> <p>See Schedule of Variables (B12)</p> <p>Fixed:..... Value Related:..... Time Related:.....</p>	Item		
57	<p>Services - unknown (B3.8)</p> <p>Fixed:..... Value Related:..... Time Related:.....</p>	Item		
58	<p>Protection of trees (B3.9)</p> <p>See Schedule of Variables (B12)</p> <p>Fixed:..... Value Related:..... Time Related:.....</p>	Item		
59	<p>Articles of value (B3.10)</p> <p>Fixed:..... Value Related:..... Time Related:.....</p>	Item		
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60	<p>Inspection of adjoining properties (B3.11)</p> <p>See Schedule of Variables (B12)</p> <p>Fixed:..... Value Related:..... Time Related:.....</p>	Item		
<b><u>MANAGEMENT OF CONTRACT (B4)</u></b>				
61	<p>Management of the Works (B4.1)</p> <p>The <b>Contractor</b> shall obtain all necessary particulars of <b>Subcontractors'</b> work timeously so that provision for recesses, chases, holes, etc. can be made</p> <p>Fixed:..... Value Related:..... Time Related:.....</p>	Item		
62	<p>Programme for the Works (B4.2)</p> <p>Fixed:..... Value Related:..... Time Related:.....</p>	Item		
63	<p>Progress meetings (B4.3)</p> <p>Fixed:..... Value Related:..... Time Related:.....</p>	Item		
64	<p>Technical meetings (B4.4)</p> <p>Fixed:..... Value Related:..... Time Related:.....</p>	Item		
65	<p>Labour and plant records (B4.5)</p> <p>Fixed:..... Value Related:..... Time Related:.....</p>	Item		
<b><u>SAMPLES, SHOP DRAWINGS AND MANUFACTURER'S INSTRUCTIONS (B5)</u></b>				
66	<p>Samples of materials (B5.1)</p> <p>Fixed:..... Value Related:..... Time Related:.....</p>	Item		
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67	<p>Workmanship samples (B5.2)</p> <p>Fixed:..... Value Related:..... Time Related:.....</p>	Item		
68	<p>Shop drawings (B5.3)</p> <p>Fixed:..... Value Related:..... Time Related:.....</p>	Item		
69	<p>Compliance with manufacturer's instructions (B5.4)</p> <p>Fixed:..... Value Related:..... Time Related:.....</p>	Item		
<b><u>TEMPORARY WORKS AND PLANT (B6)</u></b>				
70	<p>Deposits and fees (B6.1)</p> <p>Fixed:..... Value Related:..... Time Related:.....</p>	Item		
71	<p>Enclosure of the works (B6.2)</p> <p>See Schedule of Variables (B12)</p> <p>Fixed:..... Value Related:..... Time Related:.....</p>	Item		
72	<p>Advertising (B6.3)</p> <p>Advertisements on the hoarding or elsewhere on the <b>site</b> will be allowed, subject to the written approval of the <b>Construction Project Manager</b></p> <p>Fixed:..... Value Related:..... Time Related:.....</p>	Item		
73	<p>Plant, equipment, sheds and offices (B6.4)</p> <p>In addition to the provisions of sub-clause B6.4.1, scaffolding shall not be permitted to be erected from buildings on <b>adjacent sites</b></p> <p>See Schedule of Variables (B12)</p> <p>Fixed:..... Value Related:..... Time Related:.....</p>	Item		
<b>Carried to Collection</b>			R	
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74	<p>Main noticeboard (B6.5)</p> <p>See Schedule of Variables (B12)</p> <p>Fixed:..... Value Related:..... Time Related:.....</p>	Item		
75	<p>Subcontractors' noticeboard (B6.6)</p> <p>See Schedule of Variables (B12)</p> <p>Fixed:..... Value Related:..... Time Related:.....</p>	Item		
<b><u>TEMPORARY SERVICES (B7)</u></b>				
76	<p>Location (B7.1)</p> <p>Fixed:..... Value Related:..... Time Related:.....</p>	Item		
77	<p>Water (B7.2)</p> <p>See Schedule of Variables (B12)</p> <p>Fixed:..... Value Related:..... Time Related:.....</p>	Item		
78	<p>Electricity (B7.3)</p> <p>See Schedule of Variables (B12)</p> <p>Fixed:..... Value Related:..... Time Related:.....</p>	Item		
79	<p>Telecommunication facilities (B7.4)</p> <p>See Schedule of Variables (B12)</p> <p>Fixed:..... Value Related:..... Time Related:.....</p>	Item		
80	<p>Ablution facilities (B7.5)</p> <p>See Schedule of Variables (B12)</p> <p>Fixed:..... Value Related:..... Time Related:.....</p>	Item		
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	<b><u>PRIME COST AMOUNTS (B8)</u></b>	Item	R
81	Responsibility for prime cost amounts (B8.1) Fixed:..... Value Related:..... Time Related:.....		
	<b><u>ATTENDANCE ON NOMINATED SUBCONTRACTORS (B9)</u></b>		
82	General attendance (B9.1) In addition to the provisions of clause B9.1, the <b>Contractor</b> shall, at his own expense, provide the following additional general attendance: Make good after Nominated Subcontractors Fixed:..... Value Related:..... Time Related:.....	Item	
83	Special attendance (B9.2) See Schedule of Variables (B12) Fixed:..... Value Related:..... Time Related:.....	Item	
84	Commissioning - fuel, water and electricity (B9.3) Fixed:..... Value Related:..... Time Related:.....	Item	
	<b><u>FINANCIAL ASPECTS (B10)</u></b>		
85	Statutory taxes, duties and levies (B10.1) In addition to the provisions of clause B10.1, all individual amounts in these bills of quantities exclude Value Added Tax (VAT) VAT is to be calculated as a lump sum and added to the total of all values in the Final Summary under the item provided for VAT Fixed:..... Value Related:..... Time Related:.....	Item	
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86	<p>Payment of preliminaries (B10.2)</p> <p>See Schedule of Variables (B12)</p> <p>Fixed:..... Value Related:..... Time Related:.....</p>	Item		
87	<p>Adjustment of preliminaries (B10.3)</p> <p>Notwithstanding the provisions of sub-clause B10.3.1 <b>(Option A)</b> and for the purpose of adjusting the Time Related amount, only revision of the date for practical completion granted by the <b>Construction Project Manager</b> for variations, omissions, additions and substitutions referred to in sub-clauses A29.2 and A29.3 of the Principal Building Agreement, shall be taken into account</p> <p>As an allowance, the first ten (10) working days of the construction period is regarded as an administration period and shall be deducted from both the initial and the revised construction periods for calculation purposes</p> <p>Fixed:..... Value Related:..... Time Related:.....</p>	Item		
88	<p>Payment certificate cash flow (B10.4)</p> <p>Fixed:..... Value Related:..... Time Related:.....</p>	Item		
<b><u>GENERAL (B11)</u></b>				
89	<p>Protection of the Works (B11.1)</p> <p>See Schedule of Variables (B12)</p> <p>Fixed:..... Value Related:..... Time Related:.....</p>	Item		
90	<p>Protection/isolation of existing/sectionally occupied Works (B11.2)</p> <p>See Schedule of Variables (B12)</p> <p>Fixed:..... Value Related:..... Time Related:.....</p>	Item		
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91	Security of the works (B11.3) Fixed:..... Value Related:..... Time Related:.....	Item		
92	Notice before covering work (B11.4) Fixed:..... Value Related:..... Time Related:.....	Item		
93	Disturbance (B11.5) See Schedule of Variables (B12) Fixed:..... Value Related:..... Time Related:.....	Item		
94	Environmental disturbance (B11.6) See Schedule of Variables (B12) Fixed:..... Value Related:..... Time Related:.....	Item		
95	Works cleaning and clearing (B11.7) Fixed:..... Value Related:..... Time Related:.....	Item		
96	Vermin (B11.8) Fixed:..... Value Related:..... Time Related:.....	Item		
97	Overhand work (B11.9) Fixed:..... Value Related:..... Time Related:.....	Item		
98	Instruction manuals and guarantees (B11.10) Fixed:..... Value Related:..... Time Related:.....	Item		
99	As built information (B11.11) Fixed:..... Value Related:..... Time Related:.....	Item		
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100	<p>Tenant installations (B11.12)</p> <p>Fixed:..... Value Related:..... Time Related:.....</p>	Item		
<p><b><u>SCHEDULE OF VARIABLES (B12)</u></b></p>				
<p><b><u>PRE-TENDER INFORMATION</u></b></p>				
101	<p>Pre-tender information (B12.1)</p> <p>Fixed:..... Value Related:..... Time Related:.....</p>	Item		
<p>12.1.1 <b>Provisional bills of quantities</b></p>				
<p>[2.2] The quantities are provisional: <b>Yes</b></p>				
<p>12.1.2 <b>Availability of construction documentation</b></p>				
<p>[2.3] Construction documentation is complete: <b>Yes</b></p>				
<p>12.1.3 <b>Interests of agents</b></p>				
<p>[2.4] <b>The agents have no interest in this project apart from their professional interest</b></p>				
<p>12.1.4 <b>Defined Works area</b></p>				
<p>[3.1] As indicated on the drawings and at the site inspection meeting</p>				
<p>12.1.5 <b>Geotechnical investigation</b></p>				
<p>[3.2] <b>The report is annexed to these bills of quantities/No report is available</b></p>				
<p>12.1.6 <b>Existing premises occupied</b></p>				
<p>[3.4] <b>Yes</b></p>				
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12.1.7 **Previous work - dimensional accuracy**

[3.5] .....  
.....  
.....

12.1.8 **Previous work - defects**

[3.6] .....  
.....  
.....  
*Not applicable.*

12.1.9 **Services - known**

[3.7] .....  
.....  
.....

12.1.10 **Protection of trees**

[3.9] .....  
.....  
.....

12.1.11 **Inspection of adjoining properties**

[3.11] .....  
.....  
.....

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12.1.12 **Enclosure of the Works**

[6.2] .....  
 .....  
 .....

12.1.13 **Offices**

[6.4.3]

12.1.14 **Main notice board**

[6.5]

12.1.15 **Subcontractors notice board**

[6.6] A noticeboard is required:

**Yes**

12.1.16 **Water**

[7.2] Option A (by **contractor**)  
**Yes**  
 Option B (by **employer** - free of charge)  
**No**  
 Option C (by **employer** - metered)  
**No**

12.1.17 **Electricity**

[7.3] Option A (by **contractor**)  
**Yes**  
 Option B (by **employer** - free of charge)  
**No**  
 Option C (by **employer** - metered)  
**No**

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12.1.18 **Telecommunications**

[7.4] Telephone  
**Yes**  
Facsimile  
**No**  
E-mail  
**No**

12.1.19 **Ablution facilities**

[7.5] Option A (by **contractor**)  
**Yes**  
Option B (by **employer**)  
**No**

12.1.20 **Protection of existing/sectionally occupied works**

[11.2] Protection is required:  
**Yes**

12.1.21 **Special attendance**

[9.2] Subcontractor (1) details:  
.....  
.....  
.....

12.1.22 **Protection of the works**

[11.1] Spectetor stands, ground work, etc.

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12.1.23 **Disturbance**

[11.5] .....  
.....  
.....

*Disturbance level should be regulated in terms of SANS 10103 2003:  
The measurement and rating of environmental noise with respect to land use, health annoyance and speech communication:  
Table 2: Acceptable rating levels for noise in districts*

12.1.24 **Environmental disturbance**

[11.6] .....  
.....  
.....

**POST-TENDER INFORMATION**

102 Post-tender information (B12.2)

Fixed:..... Value Related:..... Time Related:.....

Item

12.2.1 **Payment of preliminaries**

[10.2] Option A (prorated)  
Yes/No  
Option B (calculated)  
Yes/No

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12.2.2 **Adjustment of preliminaries**

[10.3] Option A (three categories)  
Yes/No  
Option B (detailed breakdown)  
Yes/No

12.2.3 **Additional agreed preliminaries items:**

.....  
.....  
.....  
**Not applicable**

**SECTION C: SPECIFIC PRELIMINARIES**

103 Increase in labour intensity (C1)

1. Contractual requirements

The Executive Council of the Gauteng Provincial Government (GPG) has adopted the policy that infrastructure projects in all Provincial Departments are to be planned and implemented to maximise employment

In pursuance of the GPG's commitment and aims, the under-mentioned trades/work sections have been identified by the **Employer** for execution by means of the exclusive use of manual labour and the prescribed measures described under these trades/work sections in these bills of quantities shall be strictly adhered to by the **Contractor**:

- \* Earthworks, including bulk excavations, filling and backfilling (compacting by means of mechanical compactors shall only be permitted under special circumstances and where permission has been granted beforehand by the **Construction Project Manager**);
  - \* Mixing of unreinforced concrete, mortars, plaster and the like
- and

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\* Manufacturing of timber roof trusses (The use of factory manufactured plate nailed roof trusses will not be permitted)

The **Contractor** and Subcontractors on this project shall furthermore be required to adopt labour-based techniques through the full spectrum of the remaining trades/work sections involved with the proviso that the GPG's specific objectives regarding **Time** (the date when occupation of a project or parts of a project is required, properly completed to specification) and **Quality** (the complete specification of what the final product should be, with respect to functional accommodation required, areas and norms, standards of finishes and maintenance issues) set in this Agreement are in no way compromised

**Maximisation of employment shall be of the essence on this contract**

2. Implementation plan

Together with their tenders, all Tenderers are required to submit a **comprehensive implementation plan**, setting out their *modus operandi* to meet the GPG's requirements. This implementation plan must be submitted **in triplicate**

The implementation plan shall detail *inter alia* the trades/items, over and above those identified by the **Employer**, to be targeted for labour intensity and clearly state the expected impact on the percentage labour content and number of jobs to be created

In preparing their implementation plan Tenderers are to take cognisance of any other requirements/promotions/preferences regarding labour contained elsewhere in this document

Tenderers are advised that **failure to submit an implementation plan** or the **submission of an implementation plan** containing impractical or inadequate intervention measures may invalidate the tender

Tenders will be evaluated in accordance with a preference points system, broken down to give credence to the requirement of increased percentage labour content and number of jobs created, all as set out in the "NOTES TO TENDERERS" in the front portion of these bills of quantities

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3. Employment of labour programme

The employment of labour (pertaining to the increase in percentage labour content and number of jobs created) shall be reflected in a programme

The programme shall be in sufficient detail to enable the **Construction Project Manager** to monitor and compare it with the implementation plan

This programme shall be updated and submitted by the **Contractor** on a monthly basis

Failure to submit the abovementioned programme within fifteen (15) working days of the date of acceptance of the tender may be regarded as Contractor's default. Such Contractor's default shall entitle the **Employer** to, without prejudice of any other rights available to the **Employer**, cancel the Agreement as laid down in clause 36 of the Principal Building Agreement

4. Monitoring and submission of data/returns

A comprehensive monitoring and evaluation system has been put in place to ensure that the overall objectives of the GPG are met

To this end, the **Contractor** shall submit the required employment data/returns to the **Construction Project Manager** on a monthly basis in order to implement the system (**see Project Monitoring Form**, which is to be completed by the **Construction Project Manager**, annexed to these bills of quantities)

The data/returns, satisfactorily completed, must be submitted to the **Construction Project Manager** together with each claim for interim payment

5. Failure by the **Contractor** to submit data/returns or to achieve labour intensive targets

Failure to submit the data/returns with each claim for interim payment will result in the following:

- a) Should the information not be supplied, the processing of the interim payment certificate shall be suspended, until such time as the completed data/returns are received

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b) Should the information supplied not be satisfactory, at the sole discretion of the **Construction Project Manager**, the processing of the interim payment certificate shall be suspended until such time as the proper information is received

c) Failure to provide the required information within five (5) working days after being instructed in writing by the **Construction Project Manager** to do so shall, at the sole discretion of the **Employer**, be regarded as Contractor's default and be dealt with as laid down in clause 36 of the Principal Building Agreement

6. Non-attainment of labour intensive targets set in the implementation plan

1. Should the **Contractor**, at any stage of the construction period, be in default by non-attainment of labour intensive targets set in the implementation plan, the **Employer** shall have the right to, without prejudice of any other rights available to the **Employer**, apply all or any one of the following courses, either wholly or partly or by way of substitution or succession:

a) Cancel the Agreement as laid down in clause 36 of the Principal Building Agreement,

or

b) allow the **Contractor** to proceed with the Works and, as a provision for penalty, deduct from the current or forthcoming interim payment, an amount equal to 5% of the Current Valuation of that specific interim payment and any other interim payments where non-attainment recurs or persists. Such provision for penalty will be withheld until satisfactory completion of the project and the attainment of labour intensive targets as

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<p>104</p>	<p>set out in the implementation plan</p> <p>2. Should the <b>Contractor</b>, at Works Completion, be in default by non-attainment of labour intensive targets set in the implementation plan, the <b>Employer</b> shall have the right to, without prejudice of any other rights available to the <b>Employer</b>, apply a penalty of not exceeding 5% of the contract sum</p> <p>Fixed:..... Value Related:..... Time Related:.....</p> <p><b>Skills development and enhancement programmes (C2)</b></p> <p><b>1 Contractual requirements</b></p> <p>The Department of Public Transport, Roads and Works has adopted the policy to develop skills within the building and construction industry through the provision of structured training</p> <p><b>1.1 Definitions</b></p> <p>For the purposes of this specification, the following words and phrases shall have the respective meanings assigned to them hereunder :</p> <p>(a) <b>“CETA”</b> means the Construction Education and Training Authority.</p> <p>(b) <b>“Contractor’s Personnel”</b> means the Contractor’s employees, together with the employees of the Contractor’s subcontractors, who are present on the Site and engaged in the execution of the Works, irrespective of whether such persons :</p> <p>(i) are permanent or temporary employees of the Contractor or its sub- contractors ; and</p> <p>(ii) were in the employ of the Contractor or its subcontractors on the date of submission of the Contractor’s Tender and/or the</p> <p style="text-align: right;"><b>Carried to Collection</b></p> <p>Section No. 1 Preliminaries Bill No. 1 Preliminaries and Generals <b>Completion of Building Works, Electrical Installation General Site works and Remedial Works</b></p>	<p>Item</p>	<p>R</p>	
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Commencement Date of the Contract ;  
and

(iii) are employed on the execution of the Works for any period less than the full duration of the construction Period.

(c) **“Learner”** means a member of the Contractor’s Personnel (as defined in Clause 1.1(b) above) who, at any time during the construction Period :

(i) Is registered with any SETA, as a Learner under a Learnership Agreement approved by the SETA, irrespective of whether such Learnership Agreement was entered into prior to the commencement of the construction Period or otherwise ; or

(ii) Is enrolled on any Skills Programme (as defined in Clause 1.1(g) below) approved of by a SETA and commenced during the construction Period.

(d) **“Learnership”** means a Learnership as contemplated in Chapter 4 of the Skills Development Act (Act No.97 1998).

(e) **“Participant”** means any person, being a member of the Contractor’s Personnel engaged on the site of the works, who has been present in person, without interruption, at any Short Course (as defined herein) for the full duration of such Short Course ; Provided always that :

(i) any person who attends a number of Short Courses, each with differing subject matter shall, subject the proviso of Sub-clause (c) (i) above, be deemed to be a **“Participant”** as contemplated herein for each differing Short Course attended ; and

(ii) any person who attends the same Short Course on more than one occasion shall not be deemed to be a **“Participant”** as contemplated herein, except only for the instance of the person’s original attendance at such Short Course within the Construction Period.

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(f) **“SETA”** means any Sector Education and Training Authority as contemplated in section 9(1) of the Skills Development Act (Act No. 97 of 1998), and shall include “CETA” as defined in Clause 1.1(a) above.

(g) **“Short Course”** means any formal instruction, training, or informative address or presentation, delivered on the site of the works during normal working hours, by or on behalf of the Contractor, to members of the Contractor’s Personnel engaged on the Works, and the subject matter of which is directed at improving and/or enhancing the life, job and/or entrepreneurial skills and capacity, and/or quality of life and lifestyle of the Contractor’s personnel ;

Provided always that :

(i) The subject matter of any Short Course shall exclude matters of religion and party or partisan politics ; and

(ii) All Short Courses shall :  
 ◦ be recognised by a State, Provincial or parastatal body, or a professional body recognised in the field of the Short Course subject matter, to the satisfaction of the Construction Project Manager;  
 and  
 ◦ endure for a period of not less than four (4) hours ; and  
 ◦ be delivered only by persons who may be deemed to be reasonably knowledgeable and/or experienced in the subject matter concerned (but who are not necessarily formally accredited or approved as a “Trainer” in relation to the subject matter) ; and  
 ◦ be delivered during normal working hours ; and  
 ◦ be delivered at no cost to the Contractor’s Personnel ;

(h) **“Skills Programme”** means a Skills Programme as contemplated in Chapter 5 of the

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Skills Development Act (Act No 97 of 1998).

**1.2 Contractor's Responsibilities**

1.2.1 In addition to any other obligations and responsibilities of the Contractor as may exist in relation to the training and skills development of personnel engaged on the works, whether statutory or whether specified elsewhere in the Contract, the Contractor shall, during the course of the Contract, develop and enhance the skills of the Contractor's Personnel through the implementation of structured skills development programmes, comprising of a combination of Learnerships and Skills Programmes registered and approved/accredited by a SETA, together with such other Short Courses as the Contractor may deem appropriate, to the extent that the Skills Development Target (SDT) as offered by the Contractor in its Tender, is achieved by the completion date of the Works.

1.2.2 The structured skills development programmes shall be delivered by the Contractor in accordance the Skills Development Plan submitted by the Contract in terms of Clause 1.3 below.

1.2.3 The Contractor shall be solely responsible at its own cost, and without cost to its personnel, to :

- (a) Identify and/or formulate Learnership, Skills Programmes and/or Short Courses appropriate to the scope and nature of the works to be executed under the Contract ; and
- (b) Identify and select those of its personnel (including those of its subcontractors) engaged (or to be engaged) on the Works, who are, or who will be registered with the SETA as ""Learners"" and who will participate in the respective Learnership, Skills Programmes, as well as those who will participate in the Short Courses (as relevant) during the construction Period ; and
- (c) Implement all actions as may be necessary to obtain SETA approval and registration of :

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- (i) The respective Learnership and/or Skills Programmes to be implemented by the Contractor during the course of the Contract ; and
- (ii) All Learners ; and
- (d) Enter into Learnership Agreements, Contracts of Employment and such other agreements/contracts with the selected Learners, as may be required in terms of the Skills Development Act (Act No. 97 of 1998) ; and
- (e) Engage and/or otherwise provide :
  - (i) All SETA-accredited/registered Training Providers, Assessors, Mentors and Supervisors and other persons necessary for the purposes of delivery and assessment of the respective approved Learnership and/or Skills Programmes as aforesaid ; and
  - (ii) All Trainers and/or presenters for Short Courses ; and
  - (iii) Suitably equipped venues required for the delivery of the training programmes and Short Courses, together with all training materials and other training aids as may be appropriate ; and
- (f) Take all reasonable measures to facilitate the attendance of all Learners at all training and assessment sessions, whether these be off-site "class-room" training sessions or otherwise ; and
- (g) Provide to each Learner, adequate workplace experience on the site of the Works, in the practical application of the particular skills comprised in Learnership or Skills Programme (as appropriate) for which each respective Learner is registered, together with all necessary mentoring and

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supervision and allow the training providers to perform assessments ; and

- (h) Implement all measures as may be reasonably required to assist the trainers, mentors, assessors, presenters and the like, in the proper performance of their services ; and
- (i) Pay to the Learners, all such amounts, wages and allowances as may be required in terms of the respective Learnership Agreements, employment contracts and in Law ; and
- (j) Provide all such management, supervision, administration and financing as necessary for the efficient execution of the above.

**1.3 Skills Development Plan**

1.3.1 The Contractor shall, within fourteen (14) calendar days of the Commencement Date of the Contract (or such extended period as the Conatruction Project Manager may, at its sole discretion, allow in writing), submit to the Principal Agent a comprehensive Skills Development Plan, demonstrating how the Contractor proposes achieving the Skills Development Target (SDT) offered by the Contractor in its Tender, and identifying the specific :

- (a) Learnership Programmes, Skills Programmes and Short Courses which the Contractor proposes to deliver during the course of the Contract in order to achieve the said Skills Development Target (SDT) ; and
- (b) The numbers of Learners and Participants to be trained in the respective Learnerships. Skills Programmes and Short Courses proposed ; and
- (c) Time frames and milestones within the construction Period when the Contractor intends that the training will be delivered and when the mentoring, assessment and certification of competency in the

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respective Unit Standards and/or Skills Programmes (as relevant) will be achieved ; and

- (d) Names and details of all accredited Training Providers, presenters, Mentors, and Assessors which the Contractor intends engaging and/or utilising in the delivery of the Skills Development Programme, together with the respective Learnerships, Skills Programmes and Short Courses which they will deliver ; and
- (e) Names and Identity Numbers of all Contractor's Personnel whom the Contractor intends will be engaged on the execution of the Works, and who are already enrolled or registered with a SETA as Learners under existing Learnership Agreements or Skills Programmes (if any), together with full details of :
  - (i) the respective existing Learnership Agreements and Skills Programmes ; and
  - (ii) the commencement and due completion dates of each such existing Learnership Agreement and/or Skills Programme ; and
  - (iii) the extent of the certified competency already achieved by each respective Learner to date ; and
- (f) Learnership Agreements and Skills Programmes which the Contractor intends to initiate during the Contract, for the purposes of achieving the Skills Development Targets offered in its Tender ; and
- (g) Short Courses proposed by the Contractor, including the proposed :
  - (i) subject matter ; and

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- (ii) trainer/presenter ; and
  - (iii) numbers and categories of Participants ;
- for each Short Course.

1.3.2 All details and milestones reflected in the Contractor's Skills Development Plan shall be congruent with the Contractor's programme for the execution of the related work types and trades comprised in the Works.

1.3.3 The Contractor's Skills Development Plan shall make due provision for attrition in the numbers of Learners engaged on the Works during the execution of the Contract, including but without limitation, attrition of Learners arising from any cause whatsoever, including, but not limited to the death, incapacity, dismissal, absenteeism, failure, or default of any Learner. Such provisions by the Contractor may include :

- (a) The development and enhancement of the skills of more than the minimum number of the Contractor's Personnel necessary to achieve the Skills Development Target (SDT) as offered by the Contractor in its Tender ; and/or
- (b) The initiation of further Learnerships, Skills Programmes and/or Short Courses acceptable to the Construction Project Manager, additional to those contemplated in the Contractor's original Skills Development Schedule ; and
- (c) Any other measures acceptable to the Principal Agent.

1.3.4 The Contractor's Skills Development Plan shall be compiled to the satisfaction of the Construction Project Manager, in sufficient detail and in such a format as to readily facilitate the monitoring of the Contractor's adherence thereto on a monthly basis.

1.3.5 The Contractor shall provide to the Construction Project Manager, all such additional information, clarifications and verifiable substantive documentation as the Construction Project

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Manager may reasonably require and, during the course of the Contract, shall make all such changes and revisions to the Skills Development Plan, as may be necessary to accommodate contingent circumstances, as and when they occur.

1.3.6 The Contractor's Skills Development Plan shall be subject to the approval of the Principal Agent, which approval shall not be unreasonably withheld.

**1.4 Monthly Skills Development Progress Report**

Each and every month, the Contractor shall submit to the Principal Agent, together with each monthly interim payment certificate/statement/claim (as applicable), a Skills Development Progress Report setting out the full and up to date details of :

- (a) Each Learner engaged on the site of the Works during the period to which the said payment certificate/statement/claim relates, including :
  - (i) Full names
  - (ii) RSA Identity Number
  - (iii) The name/title and SETA reference number of the particular Learnership or Skills Programme(s) (as relevant) for which the Learner is registered
  - (iv) The dates of commencement and expiry of the Learnership or Skills Programme(s) (as relevant) for which the Learner is registered
  - (v) The names/titles and reference numbers of all the respective Unit Standards comprised in the particular Learnership or Skills Programme for which the Learner is registered

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(vi) The names/titles and reference numbers of all the Unit Standards comprised in the particular Learnership or Skills Programme for which the Learner has been certified by the Training Provider, as having achieved competency to date, as well as within the specific reporting period concerned

(vii) The name, addresses and all contact details of the SETA accredited Training Provider concerned

and

(b) All Short Courses delivered to date, as well as within the specific reporting period concerned, including :

(i) Description of the subject matter of each Short Course Delivered, together with the respective dates and duration of each Short Course delivered ; and

(ii) Names and addresses of the respective Short Course Trainers/Presenters ; and

(iii) Full names, Identity Numbers and employment category of all Participants ; and

(iv) Verifiable documentary certification by the Training Provider/presenter of each Short Course, of the satisfactory attendance by all individuals referred to in Clause 1.4(b)(iii) above.

**1.5 Non-compliance of Contractor**

**1.5.1 Skills Development Plan**

Should the Contractor fail to :

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- (a) Submit its Skills Development Plan to the Principal Agent within the time stipulated in Clause 1.3.1 ; and/or
- (b) Provide all information, data, clarifications and substantiations as required in terms of this specification ; and/or
- (c) Submit a revised Skills Development Plan to the Principal Agent, as required in terms of Clause 1.3.5 ;

then an amount of TWO AND ONE HALF PERCENT (2<sup>1</sup>/<sub>2</sub> %) of the net amount (excluding VAT) as may become due and payable to the Contractor under each and every payment certificate issued by the Construction Project Manager during the period of the Contractor's non-compliance with the provisions of Clause 1.3 shall be deducted and retained by the Employer ;  
 Provided that all amounts retained by the Employer in terms of this Clause 1.5.1 shall be released and paid to the Contractor in the Final Payment Certificate, without payment of interest or Contract Price Adjustment in respect of the period for which the amount was retained by the Employer.

1.5.2 Non-compliance in Submission of Monthly Skills Development Progress Report

Should the Contractor fail to submit its Monthly Skills Development Progress Report (as required in terms of Clause 1.4 above), and/or should the report be incomplete in any way, or found to be contain incorrect information, then an amount of TWO AND ONE HALF PERCENT (2<sup>1</sup>/<sub>2</sub> %) of the net amount (excluding VAT) as may become due and payable to the Contractor under each and every payment certificate issued by the Principal Agent in respect of the reporting period concerned shall be deducted and retained by the Employer ;  
 Provided that all amounts retained by the Employer in terms of this Clause 1.5.2 above shall be released and paid to the Contractor in the Final Payment Certificate, without payment of interest or Contract Price Adjustment in respect of the period for which the amount was

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retained by the Employer.

1.5.3 Non-achievement of the Tendered Skills Development Target

(a) The Contractor shall accrue ""Skills Development Contract Points"" (SDC Points) in respect of structured skills development programmes actually implemented on the site of the Works during the course of the Contract and in accordance with these specifications, as follows :

(i) CETA Approved Learnership Programmes

""X"" SDC points for each NQF Unit Standard comprised in a Learnership, for which a Learner (being a member of the Contractor's Personnel engaged on the site of the works) is certified by a CETA accredited Training Provider, as having achieved competency during the course of the Contract.

(ii) Skills Programmes

""Y"" SDC points in respect of each Skills Programme for which a Learner (being a member of the Contractor's Personnel engaged on the site of the works) is certified, by a SETA-accredited Training Provider, as having achieved competency during the course of the Contract.

(iii) Short Courses

""Z"" SDC points per Participant (as defined above).

The values of ""X"" , ""Y"" and ""Z"" shall be equal to the values of ""X"" , ""Y"" and ""Z"" respectively, as specified by the Employer in the tender information, and as were to be utilised in the calculation

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of the Skills Development Target (SDT).

(b) If, on the date of completion of the whole of the Works, it is found by the Principal Agent, that the Contractor has failed, or is unable to submit verifiable documentary substantiation that the aggregate of the Skills Development Contract Points (SDC Points) accrued by the Contractor is less than EIGHTY PERCENT (80%) of the Skills Development Target (SDT) offered by the Contractor in its Tender, then the Contractor shall be liable for and pay to the Employer, a penalty in the amount of FIVE PERCENT (5%) of the Contract Sum.

Fixed:..... Value Related:..... Time Related:.....

Item

105 Documentation (C3)

The General Specification (GP/ASC), Principal Building Agreement, Preliminaries, JBCC support documentation and a copy of the Departmental Procurement User Manual are available for inspection by the Tenderer during office hours at the offices of the **Employer**

Fixed:..... Value Related:..... Time Related:.....

Item

106 General Preambles (C4)

The document General Specification of Materials and Methods to be used for Building Contracts (GP/ASC) shall be read in conjunction with these bills of quantities and shall be referred to for the full description of work to be done and materials to be used

Where additional preambles appear in these bills of quantities or where descriptions of items deviate from the General Specification (GP/ASC), such additional preambles or deviations will take precedence over the General Specification (GP/ASC)

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107	<p>Drawings issued with tender documents (C5)</p> <p>Where drawings are issued with the tender documents they do not comprise the complete set, but serve as a guide only for tendering purposes and for indicating the <b>scope of the work</b>, to enable the Tenderer to acquaint himself with the nature and extent of the <b>Works</b> and the manner in which they are to be executed</p> <p>Should any part of the drawings not be clearly intelligible to the Tenderer, he shall, before submitting his tender, obtain clarification in writing from the <b>Construction Project Manager</b></p> <p>Fixed:..... Value Related:..... Time Related:.....</p>	Item		
108	<p>Pricing and rates (C6)</p> <p>All prices or rates inserted in these bills of quantities shall, unless otherwise stated, include for materials, duty, taxes other than Value Added Tax (VAT), making, conveyance and delivery, unloading, storing, unpacking, hoisting, labour setting, fitting and fixing in position, cutting and waste, patterns, models and templates, plant, temporary works, return of packings, establishment charges, profit and all other obligations arising from the Principal Building Agreement</p> <p>Fixed:..... Value Related:..... Time Related:.....</p>	Item		
109	<p>Submission of priced bills of quantities (<b>Also see A15</b>) (C7)</p> <p>Notwithstanding the provisions of sub-clause A15.1.1 of the Principal Building Agreement, <b>it is an express requirement</b> that the Tenderer shall submit, together with his tender, his priced bills of quantities with all items properly priced, extended and cast in ink</p> <p>Fixed:..... Value Related:..... Time Related:.....</p>	Item		
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110	<p>Commencement and completion (C8)</p> <p>Notwithstanding compliance with the provisions of sub-clauses A15.1.1, A15.1.2 and A15.2.1 of the Principal Building Agreement, which may result in a period of less than ten (10) working days for administrative functions from the date of acceptance of the Tender until the date of handing over the site, the <b>Contractor</b> shall have no right to demand the handing over of the site before ten (10) working days from the date of acceptance of the Tender has elapsed</p> <p>Fixed:..... Value Related:..... Time Related:.....</p>	Item		
111	<p>Detail drawings (C9)</p> <p>Upon receipt of detail drawings for any work, the <b>Contractor</b> shall, before putting that work in hand, ascertain that the dimensions given on the detail drawings correspond with the dimensions of any work already built. In the event of the detail drawings not agreeing with work already built, the drawings shall immediately be returned for alteration, as no claim for extra work in this regard will be entertained</p> <p>Fixed:..... Value Related:..... Time Related:.....</p>	Item		
112	<p>Ordering of materials (C10)</p> <p>The <b>Contractor</b> shall place orders timeously for materials or special articles that are required. Should these bills of quantities be used for ordering materials, this shall be entirely at the <b>Contractor's</b> risk</p> <p>Fixed:..... Value Related:..... Time Related:.....</p>	Item		
113	<p>Jobbing (C11)</p> <p>Each trade shall perform all necessary jobbing and attendance and shall make good after all other trades</p> <p>Fixed:..... Value Related:..... Time Related:.....</p>	Item		
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114	<p>Damage to existing buildings and/or structures, etc. (C12)</p> <p>Any damage whatsoever to the existing buildings and/or structures, etc. from building operations during the construction period shall be rectified to the approval of the <b>Construction Project Manager</b> at the <b>Contractor's</b> expense</p> <p>Fixed:..... Value Related:..... Time Related:.....</p>	Item		
115	<p>Community development and SME involvement (RDP Programme) (C13)</p> <p>The building and related projects of the Gauteng Provincial Government shall be labour intensive and shall promote community employment in the execution of this contract. Furthermore, it shall contribute to the development of SME's (Small and Medium Enterprises) especially from previously disadvantaged communities</p> <p>Local labour</p> <p>It is an explicit condition of this Agreement that only persons normally resident in the locality of the <b>Works</b> (Local labour) may be employed on this project. Provided however, that should adequate and appropriate labour not be available within the locality, other labour may be employed, subject to the approval of the <b>Construction Project Manager</b> and satisfactory proof being provided that every reasonable endeavour has been made to employ labour from the immediate locality. The <b>Contractor</b> shall identify the local community leaders, with the purpose of negotiating with them, regarding the utilisation of local labour in the construction process. In this regard the <b>Contractor</b> shall furthermore give preference, where possible, to the employment of single heads of households, women, youth and disabled persons. The <b>Contractor</b> shall in general, maximise the involvement of the local community</p> <p>Fixed:..... Value Related:..... Time Related:.....</p>	Item		
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116	<p>Local subcontractors (C14)</p> <p>The <b>Contractor</b> is to take note that it is a specific requirement and imperative that local subcontractors be employed on this project for trades such as bricklaying, carpentry, ceilings, plastering, tiling, plumbing, electrical installation, painting, etc.</p> <p>It is compulsory that the Tenderer submits with the tender, <b>in triplicate</b>, the following specific details, in respect of each of the local subcontractors he shall employ on this project:</p> <p>(i) Name, trade and address of subcontractor</p> <p>(ii) Value of work to be carried out by subcontractor</p> <p>(iii) Percentage value of subcontract in relation to the contract sum</p> <p>Failure to furnish and submit the required information will invalidate the tender</p> <p>Fixed:..... Value Related:..... Time Related:.....</p>	Item	R
117	<p>Empowerment of HDE and SME entities (C15)</p> <p>It is an express condition of this Agreement that the <b>Contractor</b> shall allocate a minimum of 25% of this contract value to and shall state his involvement with the empowerment and development of HDE (Historically Disadvantaged Enterprises) and SME (Small and Medium Enterprises) firms/companies as subcontractors. A document, <b>in triplicate</b>, highlighting the Tenderer's contribution to the transformation of this country must be submitted with special reference to the following:</p> <p>(1) MENTORSHIP PROGRAM OF A HDE/SME FIRM SELECTED BY THE TENDERER</p> <p>(1)(a) Construction management</p> <p>(1)(b) Financial management of contracts</p> <p>(2) TRAINING PROGRAM</p> <p>(2)(a) Training in specialised fields pertaining to the contract</p> <p style="text-align: center;"><b>Carried to Collection</b></p> <p>Section No. 1 Preliminaries Bill No. 1 Preliminaries and Generals <b>Completion of Building Works, Electrical Installation General Site works and Remedial Works</b></p>		

<p>(2)(b) Students (Both professional and technical) on building sites</p> <p>(3) CLARIFICATION OF THE ROLE AND STATUS OF PARTNERS/SHAREHOLDERS IN THE HDE/SME FIRM/COMPANY WITH EMPHASIS ON HDE/SME PARTNERS/SHAREHOLDERS</p> <p>(3)(a) Proof of shareholding</p> <p>(3)(b) Job description and responsibilities</p> <p>(3)(c) Details of profit sharing</p> <p>(3)(d) Details of improvement in life conditions of partners/shareholders</p> <p>(4) LIST OF HDE/SME SUBCONTRACTORS UTILISED IN PREVIOUS PROJECTS INCLUDING TRAINING DETAILS</p> <p>(5) TENDERER'S EMPLOYMENT EQUITY PLAN</p> <p>(6) OTHER SOCIAL RELATED CONTRIBUTIONS OF THE TENDERER</p> <p>Failure to furnish and submit the required information will invalidate the tender</p> <p>Fixed:..... Value Related:..... Time Related:.....</p> <p><b>EMPLOYER'S MANAGED DIRECT CONTRACTORS (C16)</b></p> <p><i>Compiler note: Delete above heading and following five items in whole if not applicable</i></p> <p>118 Requirements to be met by the managed direct contractors (C16.1)</p> <p>The Contractor's attention is drawn to the fact that the Employer will enter into managed direct agreements with other contractors. Although these Managed Direct Contractors will enter into an agreement with the Employer the following stipulations will apply:</p> <p>(a) The Managed Direct Contractor shall clear away all</p> <p style="text-align: center;"><b>Carried to Collection</b></p> <p>Section No. 1 Preliminaries Bill No. 1 Preliminaries and Generals <b>Completion of Building Works, Electrical Installation General Site works and Remedial Works</b></p>	Item		
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rubbish and excess material resulting from the execution of the Managed Direct Contractor's portion of the Works as the Works proceed and upon Practical Completion of the Managed Direct Contractor's works to the reasonable satisfaction of the Management Contractor

(b) The Managed Direct Contractor shall insure and shall remain insured in respect of public liability, works risks, common law liability and Workmen's Compensation or any other statute in force for the time being, in respect of injuries to persons and damage to property, until the Certificate of Practical Completion has been issued. The value of the insurance must be as stated in the Managed Direct Contractor's agreement. The public liability, common law liability or other policies shall contain clauses indemnifying the Management Contractor against risks arising out of the execution of the Managed Direct Contractor's works

(c) The Management Contractor and Managed Direct Contractor shall provide one another with proof in the form of a written statement from the insurance company concerned that the insurances required by the respective agreements have been effected

(d) The Managed Direct Contractor shall indemnify the Management Contractor against the same obligations in respect of the managed direct agreement, as the Management Contractor is liable for in respect of the management agreement

(e) The Managed Direct Contractor shall indemnify the Management Contractor in respect of any negligence by the Managed Direct Contractor, his workmen and or agents of the Managed Direct Contractor

(f) The Management Contractor shall ensure that the Managed Direct Contractor carries out and completes the works under the managed direct contract to the Employer's satisfaction

(g) The Management Contractor must immediately notify the Employer in writing, when the Managed Direct Contractor is in default, does not keep up with the building programme or revised building programme or does not proceed with due diligence

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119 Attendance on Managed Direct Contractors (C16.2)

General Attendance shall, without in any way limiting the meaning and interpretation thereof, include the following services, to be rendered by the Management Contractor to the Managed Direct Contractor:

- (a) Access to the site and to places where the work is to be carried out, for the workmen, the delivery of goods for the execution, the use of ordinary scaffolding and the use of any temporary cranes and personnel hoists erected by the Management Contractor, for his own and his Subcontractors' use
- (b) The provision of water and lighting and single phase electrical power to a position within 50 meters of the place where the works is to be carried out, but excluding water, fuel and power for commissioning of any installation
- (c) The provision of an area for the Managed Direct Contractor to establish temporary office accommodation and workshops and for the storage of plant and materials
- (d) The use of erected scaffolding belonging to the Management Contractor, in common with others having the like right, whilst it so remains erected upon the site
- (e) The use of ablution facilities and the like, where provided
- (f) The use of the site telephone and facsimile machine, where provided, subject to the payment by the Managed Direct Contractor for usage thereof
- (g) Making good after Managed Direct Contractors
- (h) Co-ordinating and programming the Works including that of the Managed Direct Contractor and showing how the Managed Direct Contractor's work impacts on the critical path
- (i) Protect the Managed Direct Contractor's works from damage including casing, boarding and covers

Note: Items are provided elsewhere for pricing attendance on Managed Direct Contractors

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120	<p>Related:.....</p> <p>Adjustment of attendance on Managed Direct Contractors (C16.3)</p> <p>The schedule rates providing for attendance on Managed Direct Contractors, will be adjusted only if the scope of their work has changed</p> <p>Fixed:..... Value Related:..... Time Related:.....</p>	Item		
121	<p>Management Contract (C16.4)</p> <p><i>Not applicable</i></p> <p>Fixed:..... Value Related:..... Time Related:.....</p>	Item		
122	<p>Managed Direct Contract (C16.5)</p> <p>Fixed:..... Value Related:..... Time Related:.....</p>	Item		
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	<b><u>BILL NO. 1</u></b>			
	<b><u>DEMOLITIONS</u></b>			
	<b><u>Demolishing and removing</u></b>			
1	Single storey prefabricated building 6 000mm x 4 000mm including roof coverings.	Item		
	<b><u>Breaking up and removing</u></b>			
2	150mm thick mesh reinforced concrete surface beds, paving, etc	m2	24	
3	80mm thick brick paving with sand joints and set aside for re-use	m2	800	
	<b><u>REMOVAL OF EXISTING WORK</u></b>			
	<b><u>Taking out and removing doors, windows, etc.</u></b>			
4	Timber single door not exceeding 2.5m2	No	18	
5	Timber double door exceeding 2.5m and not exceeding 5.0m2	No	2	
	<b><u>PREPARATORY WORK TO EXISTING SURFACES</u></b>			
6	Making good defects in existing screeded floors with "Pavelite"	m2	80	
	<b><u>Making good "Rhino" gypsum plasterboard ceilings and brandering</u></b>			
7	Ceilings in patches	m2	60	
	<b><u>Making good 300 x 300 x 20mm white glazed ceramic tiles</u></b>			
8	Walls in patches	m2	15	
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<b><u>Taking up and removing vinyl floor coverings, carpeting, etc</u></b>					
9	Vinyl tile floor covering including preparing screed for new vinyl floor covering	m2	30		
<b><u>Taking out and removing glass and mirrors</u></b>					
10	Glass from steel windows including cleaning out rebates and preparing for new glass	m2	10		
<b><u>NEW WORK</u></b>					
<b><u>CEILINGS ETC</u></b>					
<b><u>NAILED UP CEILINGS</u></b>					
<b><u>6.4mm "Rhino" gypsum plasterboard with "Bischoff" H-type pressed steel jointing strips</u></b>					
11	Ceilings including 38 x 38mm sawn softwood brandering at 600mm centres	m2	60		
12	Extra over ceiling for hinged pressed metal trap door size 600 x 600mm including all necessary ironmongery	No	5		
<b><u>CORNICES</u></b>					
<b><u>GYPSUM CORNICE</u></b>					
13	Cornice	m	25		
<b><u>FLOOR COVERING, PLASTIC LINING, ETC</u></b>					
<b><u>300 x 300 x 2,5mm Semi-flexible vinyl floor tiles in selected colours</u></b>					
14	On screeded floors	m2	50		
<b><u>POLISH, SEALERS, ETC</u></b>					
<b><u>Scrub with a neutral detergent and seal with three coats water based floor dressing</u></b>					
15	On vinyl flooring	m2	50		
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Alterations

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General Site works and Remedial Works**

Item No		Quantity	Rate	Amount
	<p><b><u>SECTION NO. 3</u></b></p> <p><b><u>BILL NO. 1</u></b></p> <p><b><u>CARPENTRY AND JOINERY</u></b></p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p>NOTE: The Tenderer is referred to the relevant Clause in the separate document "Model Preambles for Trades" (2008 Edition) and to the Supplementary Preambles which are incorporated hereunder.</p> <p><b><u>Particle board:</u></b></p> <p>Particle board shall comply with the following specifications:</p> <p>a) SABS 1300 Particle board: exterior and flooring type</p> <p>b) SABS 1301 Particle board: interior type</p> <p><b><u>Joinery:</u></b></p> <p>Descriptions of frames shall be deemed to include frames, transomes, mullions, rails, etc</p> <p>Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes</p> <p><b><u>Fixing</u></b></p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete</p> <p><b><u>Decorative laminate finish:</u></b></p> <p>Laminate finish shall be glued under pressure. Edge strips shall be butt jointed at junctions with adjacent similar finish</p> <p><b><u>SKIRTINGS:</u></b></p>			
	<b>Carried to Collection</b>		R	
	<p>Section No. 3 Building Works Bill No. 1 Carpentry and Joinery <b>Completion of Building Works, Electrical Installation General Site works and Remedial Works</b></p>			

1	<p><b><u>Wrought Meranti:</u></b></p> <p>19 x 75mm Skirting nailed to walls with heads of nails punched and filled including 19mm quadrant bead planted on at junction with floor.</p>	m	864		
	<p><b><u>DOORS, ETC</u></b></p>				
	<p><b><u>NOTE:</u></b></p> <p>All framed and ledged batten doors and combination doors, where battens are utilised, shall only be of construction acceptable to the Department, i.e. mortice and tennon where the tennon is exposed on the outside edges of stiles and where the tennon is wedged to form a dovetail shape.</p>				
	<p><b><u>Wrought meranti doors hung to steel frames</u></b></p>				
2	<p>40mm x 1285mm x 2 032mm Framed, ledged and braced batten door formed of 40 x 110mm stiles and top rail, 20 x 225mm bottom ledge, 20 x 150mm middle ledge and 20 x 110mm diagonal braces, filled in flush one side with 20 x 75mm tongued, grooved and V-jointed both sides vertical boarding fixed in and including grooves in stiles and top rail.</p>	No	2		
	<p><b><u>Solid doors hung to steel frames</u></b></p>				
3	<p>40mm x 813mm x 2 032mm</p>	No	18		
	<p><b><u>Joinery fittings</u></b></p>				
	<p><b><u>The following in pinning boardsSoftboard</u></b></p>				
4	<p>10mm Thick softboard pinning board fixed to plastered wall with an approved adhesive</p>	m2	212		
	<p><b><u>Wrought Saligna</u></b></p>				
5	<p>19 x 50mm Rebated and angle rounded framing plugged and pelleted</p>	m	437		
6	<p>19 x 50mm Twice rebated and twice angle rounded framing plugged and pelleted</p>	m	83		
	<p><b><u>The following in shelving in store rooms</u></b></p>				
	<p><b>Carried to Collection</b></p>				R
	<p>Section No. 3          Building Works          Bill No. 1          Carpentry and Joinery  <b>Completion of Building Works, Electrical Installation          General Site works and Remedial Works</b></p>				

	<u>Wrought laminated Softwood</u>				
7	22mm Shelves screwed on	m2	48		
8	22mm Shelves screwed on and notched around standards	m2	109		
	<u>Wrought Softwood</u>				
9	32 x 44mm Framed framing	m	475		
10	32 x 44mm Framed framing plugged	m	271		
	<u>The following in keyboard in strong room</u>				
	<u>Blockboard with Meranti veneer on one side</u>				
11	22mm Back plugged and pelleted	m2	1		
	<u>The following in worktops and shelves in print room</u>				
	<u>Wrought laminated Saligna</u>				
12	32mm Worktop screwed from underneath to steel supports (elsewhere)	m2	5		
13	Rounded edge to worktop	m	7		
	<u>Wrought Saligna</u>				
14	19mm Quadrant bead planted on	m	12		
	<u>The following in bench seat in entrance hall</u>				
	<u>Wrought laminated Saligna</u>				
15	19mm Bench back screwed and pelleted	m2	3		
16	Splayed edge to bench back	m	5		
17	Rounded edge to bench back	m	5		
18	25mm Bench seat screwed to steel supports (elsewhere) with holes pelleted	m2	2		
19	Rounded edge to bench seat	m	4		
	<b>Carried to Collection</b>				R
	Section No. 3 Building Works Bill No. 1 Carpentry and Joinery <b>Completion of Building Works, Electrical Installation General Site works and Remedial Works</b>				

20	Mitred angle intersection to 25 x 500mm bench seat <u>Wrought Softwood</u>	No	1		
21	25 x 75mm Splayed filler piece screwed on <u>Wrought Saligna</u>	m	5		
22	25 x 25mm Splayed filler piece plugged <u>The following in Cupboard in Principal's Office</u> <u>Sawn Softwood</u>	m	5		
23	19 x 75mm Bearer	m	1		
24	19 x 75mm Bearer plugged <u>Wrought Softwood</u>	m	3		
25	19 x 44mm Bearer plugged <u>Wrought laminated Saligna</u>	m	6		
26	25mm Top <u>Wrought Saligna</u>	m2	2		
27	19mm Quadrant bead planted on	m	4		
28	22 x 75mm Framed bearer	m	3		
29	Recess profile handle recessed into and including recess in 18mm particle board door <u>Interior particle board with 0,55mm melamine veneer of approved pattern and colour on both sides</u>	No	6		
30	18mm Adjustable shelves	m2	1		
31	18mm Bottom, sides, divisions, etc.	m2	3		
32	18 x 75mm Skirting planted on	m	3		
33	18 x 976 x 757mm Double door in two equal leaves hung folding with rebated meeting edges, each leaf with concealed edging strip to all edges	No	3		
<b>Carried to Collection</b>					R
<p>Section No. 3  Building Works  Bill No. 1  Carpentry and Joinery  <b>Completion of Building Works, Electrical Installation  General Site works and Remedial Works</b></p>					

	<u>Melamine edging of approved colour</u>				
34	0,35mm Edging strips to 18mm shelves, etc.	m	10		
	<u>The following in Counter in General Office</u>				
	<u>Wrought Softwood</u>				
35	12 x 108mm Filler piece plugged	m	4		
36	19 x 108mm Filler piece plugged	m	2		
	<u>Wrought laminated Saligna</u>				
37	32mm Worktop fixed to top of steel floor unit (elsewhere) and partly screwed and pelleted	m2	1		
38	Rounded edge to worktop	m	2		
39	Rebated edge to worktop	m	3		
	<u>Wrought Saligna</u>				
40	12 x 25mm Glazing bead planted on	m	5		
41	12 x 44mm Architrave planted on	m	2		
42	22 x 75mm Trim planted on	m	2		
43	32 x 70mm Rebated and framed mullion	m	2		
44	32 x 146mm Rebated and framed frame screwed and pelleted	m	4		
45	32 x 108 x 228mm Once splayed shelf support plugged	No	2		
	<u>The following in Shelving in Audio Visual</u>				
	<u>Wrought laminated Softwood</u>				
46	22mm Shelves screwed on	m2	3		
47	22mm Shelves screwed on and notched around standards	m2	13		
	<b>Carried to Collection</b>				R
	Section No. 3 Building Works Bill No. 1 Carpentry and Joinery <b>Completion of Building Works, Electrical Installation General Site works and Remedial Works</b>				

	<u>Wrought Softwood</u>				
48	32 x 44mm Framed framing	m	49		
49	32 x 44mm Framed framing plugged	m	33		
	<u>The following in Shelving in Work Room</u>				
	<u>Wrought laminated Softwood</u>				
50	22mm Shelves screwed on	m2	5		
	<u>Wrought Softwood</u>				
51	19 x 70mm Framed framing	m	18		
52	19 x 70mm Framed framing plugged	m	18		
	<u>The following in Floor Cupboards in Work Room</u>				
	<u>Sawn Softwood</u>				
53	19 x 70mm Bearers plugged	m	13		
	<u>Wrought Softwood</u>				
54	19 x 19mm Filler piece planted on	m	2		
	<u>Wrought Saligna</u>				
55	19mm Quadrant bead planted on	m	9		
56	19 x 45mm Edging planted on	m	8		
57	19 x 70mm Skirting planted on	m	8		
58	19 x 45mm Framed framing	m	38		
59	19 x 45mm Framed framing plugged	m	18		
	<u>Wrought laminated Saligna</u>				
60	22mm Worktop	m2	5		
	<b>Carried to Collection</b>				R
	Section No. 3 Building Works Bill No. 1 Carpentry and Joinery <b>Completion of Building Works, Electrical Installation General Site works and Remedial Works</b>				

61	Cut opening in 22mm worktop to suit 1050 x 535mm drop-in type stainless steel sink and drainer with single end bowl (elsewhere)	No	1		
	<u>Interior particle board with Okume veneer on both sides</u>				
62	19mm Bottoms, shelves, divisions and sides	m2	14		
63	18 x 950 x 812mm Double door in two equal leaves hung folding with 19 x 19mm wrought Saligna rebated meeting edges, each leaf with concealed edging strip to all edges	No	6		
	<u>Okume veneer</u>				
64	Edging to 19mm sides, etc.	m	14		
	<u>The following in Wall Shelves in Library</u>				
	<u>Wrought laminated Softwood</u>				
65	22mm Shelves screwed on	m2	49		
	<u>Wrought Softwood</u>				
66	19 x 70mm Framed framing	m	174		
67	19 x 70mm Framed framing plugged	m	135		
	<u>The following in Island Shelves in Library</u>				
	<u>Wrought laminated Softwood</u>				
68	22mm Shelves screwed on	m2	20		
69	22mm Framed sides screwed on	m2	3		
	<u>Wrought Softwood</u>				
70	19 x 70mm Framed framing	m	74		
71	19 x 70mm Framed framing plugged	m	9		
	<u>The following in Magazine Stand in Library</u>				
	<b>Carried to Collection</b>				R
	Section No. 3 Building Works Bill No. 1 Carpentry and Joinery <b>Completion of Building Works, Electrical Installation General Site works and Remedial Works</b>				

	<u>Sawn Softwood</u>				
72	19 x 70mm Bearers plugged	m	4		
	<u>Wrought Softwood</u>				
73	22 x 38mm Bearers planted on	m	19		
	<u>Wrought laminated Softwood</u>				
74	22mm Shelves	m2	2		
	<u>Wrought Saligna</u>				
75	22 x 22mm Ridge piece planted on	m	6		
76	22 x 40mm Framed rail	m	6		
77	22 x 70mm Skirting screwed on with 19mm quadrant bead planted on at junction with floor	m	2		
	<u>Wrought laminated Saligna</u>				
78	22mm Bottom, top, sides and divisions	m2	9		
	<u>Tempered hardboard</u>				
79	6mm Back planted on	m2	3		
	<u>The following in Control Counter in Library</u>				
	<u>Sawn Softwood</u>				
80	19 x 70mm Bearers plugged	m	2		
	<u>Wrought Softwood</u>				
81	19 x 32mm Cleats planted on	m	2		
82	19 x 32mm Cleats plugged	m	2		
	<u>Wrought Saligna</u>				
83	19 x 45mm Edging planted on	m	10		
84	19mm Quadrant bead planted on	m	1		
	<b>Carried to Collection</b>				R
	Section No. 3 Building Works Bill No. 1 Carpentry and Joinery <b>Completion of Building Works, Electrical Installation General Site works and Remedial Works</b>				

85	19 x 70mm Skirting planted on <u>Interior particle board with Okume veneer on both sides</u>	m	2		
86	18mm Bottom, shelves, ends and divisions <u>Okume veneer</u>	m2	5		
87	Edging to 18mm sides, etc. <u>Interior particle board with 0,55mm melamine veneer of approved pattern and colour on both sides</u>	m	7		
88	18mm Worktop <u>Drawers</u>	m2	4		
89	Drawer formed of 17mm wrought softwood sides and back, 19 x 630 x 125mm wrought Saligna front, all framed together and grooved for and including 6mm tempered hardboard bottom and the sides provided with and including 12 x 12mm wrought softwood runners for easy sliding; size 560mm wide x 500mm from front to back x 90mm deep internally <u>The following in Pinning Board in Lobby</u> <u>Softboard</u>	No	3		
90	10mm Thick softboard pinning board fixed to plastered wall with an approved adhesive <u>Wrought Saligna</u>	m2	3		
91	45 x 50mm Once rebated and twice grooved surround plugged and pelleted <u>The following in Bag Rack in Porch and Computer Rack in Store</u> <u>Wrought Softwood</u>	m	11		
92	19 x 45mm Cleats plugged <u>Wrought Saligna</u>	m	18		
93	19 x 45mm Cleats plugged	m	18		
<b>Carried to Collection</b>					R
<p>Section No. 3  Building Works  Bill No. 1  Carpentry and Joinery  <b>Completion of Building Works, Electrical Installation  General Site works and Remedial Works</b></p>					

	<u>Wrought laminated Saligna</u>				
94	22mm Shelves screwed from underside to steel brackets (elsewhere)	m2	3		
95	22mm Shelves notched around brackets and screwed from underside to steel brackets (elsewhere)	m2	3		
	<u>The following in Work Tops in Computer Room</u>				
	<u>Wrought Meranti</u>				
96	32 x 108mm Twice angle rounded cover strip plugged and pelleted	m	9		
	<u>Interior particle board with 0,55mm melamine veneer of approved pattern and colour on both sides</u>				
97	40mm Worktop screwed from underside to steel frames (elsewhere)	m2	17		
	<u>Melamine edging of approved colour</u>				
98	0,35mm Edging strips to 40mm shelves, etc.	m	49		
	<u>The following shelving in the Nutrition Store Room</u>				
	<u>Wrought laminated Softwood</u>				
99	22mm Shelves screwed on	m2	22		
100	22mm Shelves screwed on and notched around standards	m2	49		
	<u>Wrought Softwood</u>				
101	32 x 44mm Framed framing	m	214		
102	32 x 44mm Framed framing plugged	m	122		
	<u>The following in bench seat in Toilets</u>				
	<u>Wrought laminated Saligna</u>				
103	25mm Bench seat screwed to steel supports (elsewhere) with holes pelleted	m2	6		
	<b>Carried to Collection</b>				R
	Section No. 3 Building Works Bill No. 1 Carpentry and Joinery <b>Completion of Building Works, Electrical Installation General Site works and Remedial Works</b>				

104	Rounded edge to bench seat	m	8		
105	Mitred angle intersection to 25 x 500mm bench seat	No	16		
	<u>Wrought Softwood</u>				
106	25 x 75mm Splayed filler piece screwed on	m	10		
	<u>Wrought Saligna</u>				
107	25 x 25mm Splayed filler piece plugged	m	10		
<b>Carried to Collection</b>					
Section No. 3 Building Works Bill No. 1 Carpentry and Joinery <b>Completion of Building Works, Electrical Installation                  General Site works and Remedial Works</b>				R	

Section No. 3

Building Works

Bill No. 1

Carpentry and Joinery

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Section No. 3

Building Works

Bill No. 1

Carpentry and Joinery

**Completion of Building Works, Electrical Installation  
General Site works and Remedial Works**

Item No		Quantity	Rate	Amount
	<p><b><u>SECTION NO. 3</u></b></p> <p><b><u>BILL NO. 2</u></b></p> <p><b><u>IRONMONGERY</u></b></p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p>NOTE: The Tenderer is referred to the relevant Clause in the separate document "Model Preambles for Trades" (2008 Edition) and to the Supplementary Preambles which are incorporated hereunder.</p> <p><b><u>Finishes to ironmongery</u></b></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><b><u>HINGES AND BOLTS</u></b></p>			
1	150mm CH Barrel bolt	No	5	
	<p><b><u>LOCKSETS</u></b></p> <p><u>The following locks are to be keyed alike, including three keys per lock</u></p>			
2	75mm 4 lever, upright lock with three keys, for-end and striking plate	No	20	
3	63mm Brass five pin tumbler padlock with two keys	No	4	
	<p><b><u>LETTERS, NAMEPLATES, ETC</u></b></p>			
	<b>Carried to Collection</b>			R
	<p>Section No. 3                      Building Works                      Bill No. 2                      Ironmongery  <b>Completion of Building Works, Electrical Installation                      General Site works and Remedial Works</b></p>			

	<b><u>3mm Thick rectangular perspex name plate with black letters (letters to be 33,5mm Sans Serif Helvetica Medium and to be 7mm from edges of sign) on back, with light grey background and vinyl protection layer, with edges of perspex polished fixed to doors with suitable double sided tape</u></b>			
4	32mm Diameter perspex key tags, each with two holes and engraved with a two digit number, including 22mm diameter spring steel "spiral" type clips for attaching to keys	No	8	
5	Room numbers not exceeding three numerals or letters	No	20	
	<b><u>Aluminium</u></b>			
6	160 x 160 x 3mm Thick satin anodised aluminium pushplate with fire extinguisher pictogram	No	6	
7	160 x 160 x 3mm Thick satin anodised aluminium pushplate with fire hose reel pictogram	No	1	
	<b><u>SUNDRIES</u></b>			
8	19mm Chromium plated towel rail 600mm long with end brackets plugged o plastered or tiled wall	No	3	
9	Satin chrome plated semicircular floor mounted door stop	No	20	
	<b>Carried to Collection</b>			R
	Section No. 3 Building Works Bill No. 2 Ironmongery <b>Completion of Building Works, Electrical Installation General Site works and Remedial Works</b>			

Section No. 3

Building Works

Bill No. 2

Ironmongery

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Section No. 3  
Building Works  
Bill No. 2  
Ironmongery

**Completion of Building Works, Electrical Installation  
General Site works and Remedial Works**



Item No		Quantity	Rate	Amount
	<b><u>SECTION NO. 3</u></b>			
	<b><u>BILL NO. 4</u></b>			
	<b><u>PLASTERING</u></b>			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
	NOTE: The Tenderer is referred to the relevant Clause in the separate document "Model Preambles for Trades" (2008 Edition) and to the Supplementary Preambles which are incorporated hereunder.			
	<b><u>INTERNAL PLASTER</u></b>			
	<b><u>One coat (4:1) cement plaster</u></b>			
1	On walls	m2	50	
2	Narrow widths	m2	10	
	<b>Carried Forward to Summary of Section No. 3</b>			R
	Section No. 3 Building Works Bill No. 4 Plastering <b>Completion of Building Works, Electrical Installation General Site works and Remedial Works</b>			

Item No		Quantity	Rate	Amount
	<b><u>SECTION NO. 3</u></b>			
	<b><u>BILL NO. 5</u></b>			
	<b><u>PAINTWORK</u></b>			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
	NOTE: The Tenderer is referred to the relevant Clause in the separate document "Model Preambles for Trades" (2008 Edition) and to the Supplementary Preambles which are incorporated hereunder.			
	<b><u>PAINTWORK ETC TO NEW WORK</u></b>			
	<b><u>ON PLASTER, ETC.</u></b>			
	<b><u>One undercoat and two final colour coats to be approved by the client before application</u></b>			
1	On internal plastered walls	m2	1 204	
	<b><u>ON PLASTER BOARD</u></b>			
	<b><u>One coat plaster primer and two final coats to be approved by the client before application</u></b>			
2	On ceilings and cornices	m2	668	
	<b><u>ON FIBRE CEMENT:</u></b>			
	<b><u>One coat undercoat and two coats "Exterior Acrylic PVA"</u></b>			
3	Fascias and barge boards	m2	79	
	<b><u>ON METAL</u></b>			
	<b><u>Spot priming defects in pre primed surfaces with zinc chromate primer and applying one coat undercoat and two coats "Plascon" high gloss enamel paint on steel</u></b>			
4	On door frames	m2	42	
	<b>Carried to Collection</b>			R
	Section No. 3 Building Works Bill No. 5 Paintwork <b>Completion of Building Works, Electrical Installation General Site works and Remedial Works</b>			

5	On steel window frames including edges of opening lights (both sides measured)	m2	67		
6	Strong room door.	m2	5		
7	Security gates, etc	m2	27		
8	On rails, etc not exceeding 300 mm girth	m	20		
<b><u>ON WOOD</u></b>					
<b><u>Sanding sealer and three coats clear "Plascon Floor Vanish - PFV " suede finish</u></b>					
<b><u>Enamel paint</u></b>					
9	On rails, etc not exceeding 300 mm girth	m	80		
<b><u>One undercoat and two coats "Plascon Velveglo" or similar approved paint</u></b>					
10	On doors	m2	87		
<b><u>Sanding sealer and three coats clear "Plascon Floor Vanish - PFV " suede finish</u></b>					
11	On skirtings, rails, etc not exceeding 300 mm girth	m	639		
<b>Carried to Collection</b>					
Section No. 3 Building Works Bill No. 5 Paintwork <b>Completion of Building Works, Electrical Installation General Site works and Remedial Works</b>				R	

Section No. 3

Building Works

Bill No. 5

Paintwork

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Building Works  
Bill No. 5  
Paintwork

**Completion of Building Works, Electrical Installation  
General Site works and Remedial Works**

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3	Metalwork	80	-----
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5	Paintwork	84	-----
<b>Carried to Final Summary</b>			R
Section No. 3 Building Works <b>Completion of Building Works, Electrical Installation            General Site works and Remedial Works</b>			

Item No		Quantity	Rate	Amount
	<b><u>SECTION NO. 04</u></b>			
	<b><u>BILL NO. 1</u></b>			
	<b><u>PAVING (ASSEMBLY AREA)</u></b>			
	NOTE: The Tenderer is referred to the relevant Clause in the separate document "Model Preambles for Trades" (2008 Edition) and to the Supplementary Preambles which are incorporated hereunder.			
	NOTE : All excavations are measured as being in "earth" and/or filling compacted to 98% modified AASHTO density -----			
	<b><u>EARTHWORKS</u></b>			
1	Open face excavations in earth to reduce levels	m3	245	
2	Extra over all excavations for carting away surplus material from excavations and/or stockpile on site to a dumping site to be located by the Contractor	m3	245	
3	Extra over open face excavations in earth for excavations in soft rock	m3	13	
4	Extra over open face excavations in earth for excavations in hard rock	m3	52	
5	Allow for keeping all excavations entirely free from water and mud		Item	
6	150mm sub-base layer of selected earth filling from the excavations stabilised with and including 5% road lime and compacted to 93% modified AASHTO density	m3	235	
7	Compaction of ground surface under pavings, etc including scarifying for a depth of 150mm, breaking down over size material, adding suitable material where necessary and compact to 93% modified AASHTO density	m2	1 568	
	<b>Carried to Collection</b>			R
	Section No. 4 External works Bill No. 1 Covered Parking and Paving <b>Completion of Building Works, Electrical Installation General Site works and Remedial Works</b>			

8	20mm thick layer clean, dry, riversand layer treated with an approved weed killer at the rate of 50 gram per square metre, spread and levelled to receive paving blocks (elsewhere)	m2	1 568		
<b><u>PRECAST CONCRETE</u></b>					
9	80mm thick precast concrete interlocking block paving laid to falls on sand layer (elsewhere) with joints filled in with sand including all straight cutting	m2	880		
10	Painting white lines, unbroken, 300mm wide	m	187		
11	Extra for edge blocks	m	129		
<b><u>COVERED PARKING</u></b>					
<b><u>Excavations, filling, etc for Bulk</u></b>					
12	Open face excavation	m3	319.20		
<b><u>Excavation in earth not exceeding 2m deep</u></b>					
13	Trenches, holes, etc.	m3	211		
<b><u>Extra over excavation in earth for excavations in</u></b>					
14	Soft Rock	m3	24.50		
15	Hard Rock	m3	26.00		
<b><u>Extra over excavation for carting away</u></b>					
16	Surplus material from excavations to a site located by the contractor	m3	301.00		
<b><u>Risk of Collapse of Excavations</u></b>					
17	Sides of open face excavations not exceeding 1.5m deep	m2	106.00		
18	Sides of trench and hole excavations not exceeding 1,5m deep	m2	384		
<b>Carried to Collection</b>					
Section No. 4 External works Bill No. 1 Covered Parking and Paving <b>Completion of Building Works, Electrical Installation General Site works and Remedial Works</b>				R	

	<b><u>Keeping Excavations free from water</u></b>				
19	Keeping Excavation free from water		Item		
	<b><u>Compaction of Surfaces</u></b>				
20	Prepare ground surface by scarifying top 150mm layer of ground and re-compact to 93% ModAASHTO	m2		1 428.00	
21	Compaction of ground surface under floors, trenches, etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 90% Mod AASHTO density	m2		80	
	<b><u>Damp proof membrane</u></b>				
22	One layer of 250micron "Consol Plastics Gunplas USB "Green" waterproof sheeting sealed at laps with "Gunplas Pressure Sensitive Tape"	m2		1 428.00	
	<b><u>Tests</u></b>				
23	Tests to determine the degree of the compaction, on ground	No		10.00	
	<b><u>Filling,etc</u></b>				
	<b><u>Earth filling supplied by the contractor in platforms</u></b>				
24	In layers of G5 material in accordance with SABS 1200 DM compacted to 95% Mod AASHTO density	m3		319.00	
	<b><u>Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 90% Mod AASHTO density</u></b>				
25	Backfilling to trenches, holes, etc	m3		93	
	<b><u>Approved non - expansive imported inert granular filling under solid floors, supplied and carted on by Contractor, compacted in layers not exceeding 150 mm to 93% HCE density</u></b>				
26	Under floors, steps, pavings, etc	m3		105	
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	<b><u>Prescribed density tests on filling</u></b>				
27	Tests to determine the degree of compaction, ground and filling	No	3.00		
	<b><u>Soil Insecticide</u></b>				
28	Under floors	m2	1 428.00		
29	To bottoms and sides of trenches etc	m2	384		
	<b><u>CONCRETE, FORMWORK AND REINFORCEMENT</u></b>				
	<b><u>REINFORCED CONCRETE</u></b>				
	<b><u>25MPa/19mm concrete</u></b>				
30	Strip footings	m3	73		
	<b><u>TEST BLOCKS</u></b>				
31	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	8		
	<b><u>PRECAST CONCRETE</u></b>				
32	80mm thick precast concrete interlocking block paving laid to falls on sand layer (elsewhere measured) with joints filled in with sand including all straight cutting	m2	1 428.00		
33	Semi vertical kerbing to SABS 927 Fig. 7 in 1m lengths with 10mm wide butt joints filled in with cement mortar and pointed with grooved half round joints and 10mm wide open butt joints at 5m centres including 15MPa/19mm mass concrete bedding size 50mm thick x 300mm wide and 20MPa/19mm mass concrete haunching size 225mm long x 225mm high x 150mm thick at joints and backfilling at back of kerbs, topsoiled and levelled to adjacent surfaces	m	110		
34	Ditto, but circular on plan to radius exceeding 1m and not exceeding 4m	m	149		
	<b><u>PAINTING</u></b>				
	<b>Carried to Collection</b>				R
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35	<p><b><u>Prepare and paint one coat white reflective road marking paint on precast concrete paving blocks</u></b></p>	m	134		
	<p><b><u>"COLOURED ROOF SHEETING OR SIMILAR AND APPROVED</u></b></p>				
	<p><b><u>Supplementary Preambles:</u></b></p>				
	<p>Notes :</p>				
	<p>The following roof sheeting systems are to be installed in strict accordance with the Manufacturer's and/or Supplier's specifications.</p>				
	<p>Fixing of all roof sheeting is to be in accordance with the Manufacturer's approved Instruction Book.</p>				
	<p>The Manufacturer shall comply with ISO9002 Quality Management System.</p>				
	<p>A written and approved five year guarantee of site-workmanship and watertightness shall be issued after final inspection of concealed-fix roofing by the Manufacturer</p>				
	<p><b><u>0,6mm Thick Light Industrial "Colomate" IBR profile steel roof sheeting pre painted fixed to timber purlins at approximately 750mm centres according to engineers detail</u></b></p>				
36	<p>Roof covering with pitch not exceeding 25 degrees, in transportable lengths not exceeding 20m fixed to timber purlins.</p>	m2	350		
	<p><b><u>STRUCTURAL STEELWORK</u></b></p>				
	<p><b><u>The following in hot dipped galvanized steel structure to walkways</u></b></p>				
37	<p>75 x 75 x 3mm wall thickness hollow section columns, mitred at angles and fitted with 150 x 150 x 3mm footplates</p>	m	215.00		
	<p><b>Carried to Collection</b></p>				R
	<p>Section No. 4                  External works                  Bill No. 1                  Covered Parking and Paving  <b>Completion of Building Works, Electrical Installation                  General Site works and Remedial Works</b></p>				

38	60 x 40 x 2,5mm Hollow section purlin bolted to brackets	m	320.00		
39	10mm Diameter cadmium plated bolt 85mm long with head, nut and washer	No	256		
<b>Carried to Collection</b>				R	
Section No. 4 External works Bill No. 1 Covered Parking and Paving <b>Completion of Building Works, Electrical Installation                  General Site works and Remedial Works</b>					

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Covered Parking and Paving  
**Completion of Building Works, Electrical Installation  
General Site works and Remedial Works**

Item No		Quantity	Rate	Amount
	<p><b><u>SECTION NO. 04</u></b></p> <p><b><u>BILL NO. 02</u></b></p> <p><b><u>COVERED WALKWAYS</u></b></p> <p><b><u>COLOURED ROOF SHEETING OR SIMILAR AND APPROVED</u></b></p> <p><b><u>Supplementary Preambles:</u></b></p> <p>Notes :</p> <p>The following roof sheeting systems are to be installed in strict accordance with the Manufacturer's and/or Supplier's specifications.</p> <p>Fixing of all roof sheeting is to be in accordance with the Manufacturer's approved Instruction Book.</p> <p>The Manufacturer shall comply with ISO9002 Quality Management System.</p> <p>A written and approved five year guarantee of site-workmanship and watertightness shall be issued after final inspection of concealed-fix roofing by the Manufacturer</p> <p><b><u>0,6mm Thick Light Industrial IBR profile steel roof sheeting pre painted fixed to timber purlins at approximately 750mm centres according to engineers detail</u></b></p>			
1	Roof covering with pitch not exceeding 25 degrees, in transportable lengths not exceeding 20m fixed to timber purlins	m2	597	
2	One coat zinc chromated paint	m2	296	
	<p><b><u>STRUCTURAL STEELWORK</u></b></p>			
	<b>Carried to Collection</b>			R
	<p>Section No. 4</p> <p>External works</p> <p>Bill No. 2</p> <p>Covered Walkways</p> <p><b>Completion of Building Works, Electrical Installation</b></p> <p><b>General Site works and Remedial Works</b></p>			

<b><u>The following in hot dipped galvanized steel structure to walkways</u></b>					
3	75 x 75 x 3mm wall thickness hollow section columns, mitred at angles and fitted with 150 x 150 x 3mm footplates	m	417		
4	75 x 75 x 20mm hollow section purlin bolted to brackes	m	510		
5	76 x 38mm steel channel	m	190		
6	11mm Diameter cadmium plated bolt 85mm long with head, nut and washer	No	680		
<b>Carried to Collection</b>					
Section No. 4 External works Bill No. 2 Covered Walkways <b>Completion of Building Works, Electrical Installation General Site works and Remedial Works</b>					R

Section No. 4

External works

Bill No. 2

Covered Walkways

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Section No. 4

External works

Bill No. 2

Covered Walkways

**Completion of Building Works, Electrical Installation  
General Site works and Remedial Works**

Item No		Quantity	Rate	Amount
	<b><u>SECTION NO. 04</u></b>			
	<b><u>BILL NO. 03</u></b>			
	<b><u>SECURITY FENCING</u></b>			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
	For supplementary preambles to all the following trades refer to such preambles as contained in the previous Bills of this Bills of Quantities			
	<b><u>CONCRETE</u></b>			
1	Base for end, corner or gate post, size 450 x 450 x 900mm, including all excavations, 15MPa/38mm mass concrete base with chamfered top surface projecting 50mm above surrounding ground level including any necessary formwork, etc	No	134	
	<b><u>METALWORK</u></b>			
	<b><u>Security fencing including site clearance and preparation of ground</u></b>			
	<b><u>CONCRETE</u></b>			
2	Base for intermediate post, size 450 x 450 x 900mm, including all excavations, 15MPa/38mm mass concrete base with chamfered top surface projecting 50mm above surrounding ground level including any necessary formwork, etc	No	8	
3	Base for end, corner or gate post, size 450 x 450 x 900mm, including all excavations, 15MPa/38mm mass concrete base with chamfered top surface projecting 50mm above surrounding ground level including any necessary formwork, etc	No	6	
4	Base for stay, size 450 x 760 x 600mm, including all excavations, 15MPa/38mm mass concrete base with chamfered top surface projecting 50mm above surrounding ground level including any necessary formwork, etc	No	6	
	<b>Carried to Collection</b>			R
	Section No. 4 External works Bill No. 3 Security Fencing <b>Completion of Building Works, Electrical Installation General Site works and Remedial Works</b>			

<b><u>METALWORK</u></b>					
5	Security fencing 1,8m high formed of 13 strands of straining wires each strand formed of twisted double strand 1,6mm thick galvanised wires incorporating 3 barbs in every twist at 150mm centres mechanically strained between straining and / or gate and corner posts at maximum 3m centres with one end passed through holes and securely tied to posts and other end securely tied to and including eyebolts bolted onto posts; each strand tied at maximum 3m centres to intermediate posts (elsewhere) with and including 2,5mm galvanised binding wire; the fence complete with and including three rows of flat wrap razor security wire in 700mm diameter vertical loops fixed at each intersection with barbed straining wires with and including 2,5mm galvanised binding wire.	m	400		
6	50mm diameter x 2,8mm thick galvanised intermediate post 2,6m long with mushroom cap welded onto top and with 200 x 200 x 6mm mild steel base plate welded onto bottom end including setting up and embedded in position concrete base (elsewhere)	No	134		
7	100mm diameter x 3mm thick galvanised end or gate post 2,6m long with mushroom cap welded onto top; the post 13 times holed for straining wires or eyebolts and with 300 x 300 x 6mm mild steel base plate welded onto bottom end; the post complete with and including one 50mm diameter x 2,8mm thick galvanised stay 2,4m long with top end flattened for a length of 180mm, holed for and bolted to post with and including M12 galvanised mild steel bolts with nuts and washers including drilling holes through posts and with 200 x 200 x 6mm mild steel base plate welded onto bottom end of stay including setting up post and stay and embedding in position in concrete bases (elsewhere)	No	2		
8	Ditto, but straining or corner post with two stays.	No	9		
<b><u>PAINTING</u></b>					
<b><u>Prepare and apply one coat zinc chromate primer ant two coats bituminous aluminium paint</u></b>					
9	On steel posts exceeding 300mm girth	m2	72		
10	On steel posts and stays not exceeding 300mm girth	m	17		
<b>Carried to Collection</b>					
Section No. 4 External works Bill No. 3 Security Fencing <b>Completion of Building Works, Electrical Installation General Site works and Remedial Works</b>					
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Section No. 4

External works

Bill No. 3

Security Fencing

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External works

Bill No. 3

Security Fencing

**Completion of Building Works, Electrical Installation  
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Bill No	<u>SECTION SUMMARY - External works</u>	Page No	Amount
	Section No. 4		
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	<b>SECTION SUMMARY - External works</b>		
1	Covered Parking and Paving	92	
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Item No		Quantity	Rate	Amount
	<b><u>SECTION NO. 05</u></b>			
	<b><u>BILL NO. 1</u></b>			
	<b><u>PROVISIONAL SUMS</u></b>			
	<b><u>PREAMBLES</u></b>			
	<b><u>For Preambles see "Model Preambles For Trades"</u></b>			
	<u>The following Provisional Sums and Prime Cost Items are net</u>			
	<u>The Contractor shall allow for profit and attendance after each Prime Cost Sum. Where no allowance has been made by the Contractor, it shall be assumed the allowance shall have been included elsewhere in the rates for other works.</u>			
	<b><u>ELEVATED STEEL WATER TANK</u></b>			
1	Provide the sum as indicated for steel water tank to be supplied and installed by a firm of specialists to be nominated by the Architect	Item		450 000.00
2	Add for profit	Item		
	<b>Carried to Final Summary</b>		R	
	Section No. 5 Provisional sums Bill No. 1 Provisional Sums <b>Completion of Building Works, Electrical Installation            General Site works and Remedial Works</b>			



23	Transport of employees	No	150		
24	Transport of infected	No	11		
25	Waste bins with lids	No	5		
<b>Carried to Collection</b>				R	
Section No. 6 Covid-19 Bill No. 1 Covid-19 costs (Provisional) <b>Completion of Building Works, Electrical Installation                  General Site works and Remedial Works</b>					

Section No. 6  
Covid-19  
Bill No. 1  
Covid-19 costs (Provisional)

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Section No. 6  
Covid-19  
Bill No. 1  
Covid-19 costs (Provisional)  
**Completion of Building Works, Electrical Installation  
General Site works and Remedial Works**

<b>Section No</b>	<b><u>FINAL SUMMARY</u></b>	<b>Page No</b>		<b>Amount</b>
1	Preliminaries	61		
2	Alterations	64		
3	Building Works	85		
4	External works	99		
5	Provisional sums	100		
	Electrical Installation from part B of the BoQ		R	
6	Covid-19	103		
	SUB-TOTAL (Excluding Contingencies, Defective Work and Value Added Tax)		R	
	<b><u>COMMUNITY LIAISON OFFICER</u></b>			
	Provide an amount of <b>R24 000</b> (Twenty-Four Thousand Rands @4000/m) for the appointment of a Community Liaison Officer		R	
	<b><u>PROJECT STEERING COMMITTEE</u></b>			
	Provide an amount of <b>R9 600</b> (Nine Thousand Six Hundred Rands @R1600/m - R400 x 4 People) for the appointment of a Project Steering Committee		R	
	SUB-TOTAL ,excluding Value Added Tax (VAT)		R	
	ADD: Value Added Tax (VAT) calculated at the rate of 15%		R	
	<b>Carried to Form of Tender</b>		R	
	<b>Completion of Building Works, Electrical Installation General Site works and Remedial Works</b>			