

Item No		Quantity	Rate	Amount R
	<p><u>BILL NO 1</u></p> <p><u>PRELIMINARIES</u></p> <p><u>PRINCIPAL BUILDING AGREEMENT</u></p> <p>The agreement shall be the Principal Building Agreement prepared and published by the Joint Building Contracts Committee: Edition 4.1 Code 2101, March 2005. (The JBCC Series 2000 Principal Building Agreement).</p> <p><u>PRELIMINARIES</u></p> <p>The preliminaries shall be the Preliminaries prepared and published by the Joint Building Contracts Committee for use with the JBCC Principal Building Agreement: Code 2103, May 2005. (The JBCC Series 2000 Preliminaries).</p> <p><u>FULL INTENT AND MEANING OF CLAUSES</u></p> <p>Tenderers shall be deemed to have referred to the afore-mentioned documents for the full intent and meaning of each clause. These clauses are hereinafter referred to by the heading and clause number only.</p> <p>Where standard clauses or alternatives are not applicable to this contract, such modifications, corrections or supplements as are necessary are given under each relevant clause heading or within the relevant schedule.</p> <p>Where an item is not relevant to this specific contract, such item is marked "N/A" signifying "Not applicable".</p> <p><u>PRICING OF CLAUSES</u></p> <p>Tenderers shall allow opposite each clause for any cost involved with complying with such clause. Any clauses left unpriced shall be deemed to be covered by rates and prices elsewhere incorporated throughout these bills of quantities.</p>			
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PAYMENT CATEGORIES

Should 'Alternative A', as set out within Clause 10.3 of the JBCC 2000 Preliminaries, be used for the adjustment of preliminaries, then each item priced is to be allocated to one or more categories by the insertion of the letter "F", "V" or "T", as the case may be, against the price in the rate column. These letters shall indicate the relevant categories as follows:

- "F" - A fixed amount.
- "V" - A variable amount in proportion to the value
- "T" - An amount in proportion time

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<u>SECTION A: PRINCIPAL BUILDING AGREEMENT</u>				
<u>DEFINITIONS</u>				
1	Definitions and interpretation	Clause 1.0		
	F:..... V:..... T:.....	Item		
<u>OBJECTIVE AND PREPARATION</u>				
2	Offer, acceptance and performance	Clause 2.0		
	F:..... V:..... T:.....	Item		
3	Documents			
	Clause 3.1 is hereby deleted and no payment guarantee will thus be provided by the employer.			
	Clause 3.3 is hereby amended by deleting the words "..... within seven (7) calender days of having received a payment guarantee from the employer in terms of 3.1 "in the first sentence and substituting with".....within twenty-one (21) calendar days of written acceptance of the contractor's tender." The second sentence shall remain unchanged.			
	Clause 3.0			
	F:..... V:..... T:.....	Item		
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4	<p>Design responsibility</p> <p>The following new subclause is hereby added to this clause:</p> <p>4.4 Notwithstanding the provisions of 4.2, the contractor shall ensure that every such nominated or selected subcontractor shall simultaneously with the signing of the relevant nominated or selected subcontract sign and deliver to the employer a Design Materials and Workmanship Warranty and Undertaking in favour of the employer or a Materials and Workmanship Undertaking strictly in accordance with the instructions or provisions contained in the tender documents for the nominated or selected subcontract works.</p> <p style="text-align: right;">Clause 4.0</p> <p>F:..... V:..... T:.....</p>	Item	R
5	<p>Employer's agents</p> <p style="text-align: right;">Clause 5.0</p> <p>F:..... V:..... T:.....</p>	Item	
6	<p>Site representative</p> <p style="text-align: right;">Clause 6.0</p> <p>F:..... V:..... T:.....</p>	Item	
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7	<p>Compliance with regulations</p> <p>The following new subclause is hereby added to this clause:</p> <p>The contractor shall comply with all the requirements set out in the Construction Regulations, 2003 issued under the Occupational Health and Safety Act, 1993 (Act No 85 of 1993).</p> <p>It is required of the contractor to thoroughly study the Health and Safety Specification that must be read together with and is incorporated at the back of the bills of quantities / lump sum document.</p> <p>The contractor must take note that compliance with the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is compulsory. In the event of partial or total non-compliance, the principal agent, notwithstanding the provisions of clause A31.0 of Section A or any other clause to the contrary, reserves the right to delay issuing any progress payment certificate until the contractor provides satisfactory proof of compliance. The contractor shall not be entitled to any compensation of whatsoever nature, including interest, due to such delay of payment.</p> <p>Provision for pricing of the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is made under this clause and it is explicitly pointed out that all requirements of the aforementioned are deemed to be priced hereunder and no additional claims in this regard shall be entertained.</p> <p>Clause 7.0</p> <p>F:..... V:..... T:.....</p>				
8	<p>Works risk</p> <p>Clause 8.0</p> <p>F:..... V:..... T:.....</p>	Item			
		Item			

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	<u>EXECUTION</u>			
15	Preparation for and execution of the Works Clause 15.0 F:..... V:..... T:.....	Item		
16	Access to the Works The contractor shall afford all reasonable access to other contractors and/or sub-contractors who may be employed by the client to execute other work whether in connection with the Contract Work or not Clause 16.0 F:..... V:..... T:.....	Item		
17	Contract instructions Clause 17.0 F:..... V:..... T:.....	Item		
18	Setting out of the Works The Contractor shall notify the Principal Agent 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 Clause 18.0 F:..... V:..... T:.....	Item		
19	Assignment Clause 19.0 F:..... V:..... T:.....	Item		
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20	Nominated Subcontractors	Clause 20.0			
	F:..... V:..... T:.....		Item		
21	Selected Subcontractors	Clause 21.0			
	F:..... V:..... T:.....		Item		
22	Employer's Direct Contractors	Clause 22.0			
	F:..... V:..... T:.....		Item		
23	Contractor's Domestic Subcontractors	Clause 23.0			
	F:..... V:..... T:.....		Item		
	<u>COMPLETION</u>				
24	Practical completion	Clause 24.0			
	F:..... V:..... T:.....		Item		
25	Works completion	Clause 25.0			
	F:..... V:..... T:.....		Item		
26	Final completion	Clause 26.0			
	F:..... V:..... T:.....		Item		
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27	Latent defects liability period F:..... V:..... T:..... Clause 27.0	Item		
28	Sectional completion F:..... V:..... T:..... Clause 28.0	Item		
29	Revision of date for practical completion Subclause 29.1.1 is hereby deleted and substituted by the following: Exceptionally inclement weather, which shall only relate to weather with a degree of inclemency which is materially greater than or is materially beyond the average inclemency experienced in the past five years and /or recorded, in terms of available records or otherwise, at or for the area in which the site is situated, for the period(s) in question. Any revision of date of practical completion which may, in terms of this clause be allowed for exceptionally inclement weather, shall be related only to those periods of exceptionally inclement weather by which the average periods of time, during which exceptionally inclement weather is experienced and/or recorded in the area in which the site is situated, is exceeded. The contractor is therefore to make allowance for normal vagaries of the weather. Clause 29.0 F:..... V:..... T:.....	Item		
30	Penalty for non-completion F:..... V:..... T:..... Clause 30.0	Item		
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	<p><u>PAYMENT</u></p> <p>31 Interim payment to the contractor</p> <p>Notwithstanding this or any other clause, materials and goods stored off site shall not be included in the amount authorised for payment.</p> <p>Subclause 31.9 is hereby amended by the substitution of the words "seven (7) calendar days" in the first line by the words "twenty one (21) calendar days".</p> <p>Subclause 31.10 is hereby amended by the substitution of the words "practical completion" in the second and fourth lines by the words "final completion".</p> <p style="text-align: right;">Clause 31.0</p> <p>F:..... V:..... T:.....</p> <p>32 Adjustment to the contract value</p> <p>Notwithstanding the provisions of subclause 32.13 or any other clause, all fluctuations in costs shall be for the account of the contractor. See also subclause 42.4.6</p> <p>Where prices are submitted by the contractor and/or sub-contractors during progress of the works in respect of contract and notwithstanding the fact that such prices may be used in an interim payment certificate, there is to be no presumption of acceptance. Should the Principal Agent wish to accept any such prices prior to the issue of the final certificate, it will be in writing</p> <p style="text-align: right;">Clause 32.0</p> <p>F:..... V:..... T:.....</p> <p>33 Recovery of expense and loss</p> <p style="text-align: right;">Clause 33.0</p> <p>F:..... V:..... T:.....</p> <p style="text-align: right;">Carried to Collection</p> <p>Section No. 1 SECTION No. 1: PRELIMINARIES Bill No. 1 PRELIMINARIES</p>	<p>Item</p> <p>Item</p> <p>Item</p>		<p>R</p>
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34	<p>Final account and final payment</p> <p>Subclause 34.11 is hereby amended by the substitution of the words "practical completion" in the third line by the words "final completion".</p> <p>The employer shall, however, pay interest to the contractor at the rate stipulated in clause 34.11 on any amounts payable to the contractor after final completion after the date of issue of the certificate of final completion but only for such period as the settlement of the final account is delayed by non-performance of the Principal Agent or the employer or his agents. In evaluating non-performance for purposes of this clause a reasonable time shall be allowed to the employer or his agents to respond to any matter brought to his/their attention and which may affect the settlement of the final account</p> <p style="text-align: right;">Clause 34.0</p> <p>F:..... V:..... T:.....</p>	Item			
35	<p>Payment to other parties</p> <p style="text-align: right;">Clause 35.0</p> <p>F:..... V:..... T:.....</p>	Item			
<u>CANCELLATION</u>					
36	<p>Cancellation by Employer - Contractor's default</p> <p style="text-align: right;">Clause 36.0</p> <p>F:..... V:..... T:.....</p>	Item			
37	<p>Cancellation by Employer - loss and damage</p> <p style="text-align: right;">Clause 37.0</p> <p>F:..... V:..... T:.....</p>	Item			
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38	Cancellation by Contractor - Employer's default Clause 38.0 F:..... V:..... T:.....	Item		
39	Cancellation - cessation of the Works Clause 39.0 F:..... V:..... T:.....	Item		
	<u>DISPUTE</u>			
40	Dispute settlement Clause 40.0 F:..... V:..... T:.....	Item		
	<u>SUBSTITUTE PROVISIONS</u>			
41	State clauses Clause 41.0	Item		
	<u>CONTRACT VARIABLES</u>			
	<u>THE SCHEDULE</u>			
42	42.0 Pre-tender information F:..... V:..... T:.....	Item		
	<u>42.1 CONTRACTING AND OTHER PARTIES</u>			
	42.1.1 Employer: The Kwazulu- Natal Department of cooperative governance and traditional affairs Address: 14th floor Natalia Building 330 Langalibalele Street Pietermaritzburg 3201			
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42.1.2 **Principal Agent:**

42.1.3 **Agents Service:**

42.1.3 **Agents Service:**

42.1.4 **Agents Service:**

42.1.6 **Agents Service:**

42.2 CONTRACT DETAILS

42.2.1 **Works description:**

Refurbishments to Chwezi TAC

42.2.2 **Site description:**

Chwezi TAC

42.2.3 **Work or installations by direct contractors:**
 (22.2)

Not Applicable

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42.2.4 Specific options that are applicable to a State organ
(41.0) only
Where so:
(1) Legislation applicable to the interest rate:

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

(2) Lateral support insurance to be effected by the **Contractor**:
No

(3) Payment will be made for **materials and goods**:
Yes

(4) Dispute resolution by litigation:
No

(5) Extended **defects** liability period applicable to the following elements:
No

42.2.5 Possession of the **site** is intended to be given on:
(15.2.1)

Date to be indicated after contract award

42.2.6
(15.3)
Period for the commencement of the Works after the Contractor takes possession of the site:
Seven (7) working days

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43	<p>42.2.7 For the works as a whole:</p> <p>(24.3.1)</p> <p>The date for practical completion and the penalty per calendar day.</p> <p>The programme and cashflow to be submitted within thirty calendar days after site handover will form part of the deliverable milestones. Failure to meet these shall be deemed to be breach of contract. Should the contractor fail to submit both within this period, the Principal Agent and/or Quantity Surveyor shall impose both and the contractor shall have seven working days to counter such with an acceptable programme and cash-flows. Acceptability shall be solely decided by the Principal Agent and/or Quantity surveyor and/or Project Manager</p> <p>Date:</p> <p>To be indicated after contract award</p> <p>Penalty:</p> <p>Formula to be used to calculate penalty amount is as follow:</p> <p>Penalty = contract sum VAT excluded x 0.0275/100 = Penalty per day</p> <p>42.2.8 For the works in sections: Not Applicable</p> <p>42.2.9 The law applicable to this Agreement shall be that of: (1.2) Republic of South Africa</p> <p>42.3 INSURANCES</p> <p>Carried to Collection</p> <p>Section No. 1 SECTION No. 1: PRELIMINARIES Bill No. 1 PRELIMINARIES</p>	Item		R
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42.3.1 Contract Works insurance to be effected by:
(10.1, 10.2, 12.1)

Contractor

For the sum of: Equal to the Contract Sum plus 20%

With a deductible of: Equal to 0,1% of the above
insured amount

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 (Five million
rand only)

With a deductible of: 0.1% of the above insured
amount

42.3.4 Support insurance to be effected by the
employer
(11.1, 12.1)

Yes

42.4 DOCUMENTS

42.4.1 Waiver of **Contractor's** lien or right of
(3.3, 15.1.3, continuing possession is required:
31.16.2)

Yes

42.4.2 Construction document copies to be supplied to
the
(3.7) **Contractor** free of charge:

Three (3)

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)

Five (5)

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)

YES

42.4.7 Details of changes made to the provision of **JBCC** standard documentation:
[3.10]

A. Principal Building Agreement

Subclause 3.1 deleted

Subclause 3.3 amended

Subclause 4.4 added

Subclause 7.3 added

Subclause 14.9 added

Subclause 18.5 added

Subclause 29.1.1 substituted

Subclause 31.9 amended

Subclause 31.10 amended

Clause 32.0 amended

Subclause 34.11 amended

B. JBCC Preliminaries

Clause 2.1 amended

Clause 2.2 amended

Clause 2.6 amended

Clause 3.1 amended

Clause 4.1 amended

Clause 5.1 amended

Clause 5.3 amended

Clause 9.2 amended

Caluse 11.3 amended

Caluse 16 amended

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SECTION B: PRELIMINARIES				
1.0 DEFINITIONS AND INTERPRETATION				
44	<p>Definitions and interpretation</p> <p style="text-align: right;">Clause 1.0</p> <p>F:..... V:..... T:.....</p>	Item		
2.0 DOCUMENTS				
45	<p>Checking of documents.</p> <p>The items in these bills of quantities are to be read and priced in conjunction with and the descriptions regarded as amplified by the Model Preambles for Trades as recommended and published by the Association of South African Quantity Surveyors, 1999 edition, and no claim arising from brevity of description of items fully described in the said Model Preambles for Trades will be entertained.</p> <p style="text-align: right;">Clause 2.1</p> <p>F:..... V:..... T:.....</p>	Item		
46	<p>Provisional bills of quantities.</p> <p>These bills of quantities shall <u>not</u> be used for ordering purposes.</p> <p style="text-align: right;">Clause 2.2</p> <p>F:..... V:..... T:.....</p>	Item		
47	<p>Availability of construction documentation.</p> <p>The budgetary allowances allocated for sub-contract amounts allocated for subsequent trades included in this document will be separately procured, based on multiple procurement of sub-contractors during construction period</p> <p style="text-align: right;">Clause 2.3</p> <p>F:..... V:..... T:.....</p>	Item		
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48	Interests of agents. Clause 2.4 F:..... V:..... T:.....	Item		
49	Priced documents. Notwithstanding the provisions of this clause, the contractor shall deposit/submit the priced documents within the time as stated in A41.4.4 of the Schedule of Contract Variables Rates (items) Where appropriate, rates for similar items in these bills of quantities should be the same Prior to signing of the Principal Building Agreement the Principal Agent shall be at liberty to make such adjustments to individual rates, whether they are Subcontractor's rates or not, as will eliminate errors or discrepancies or which he considers to be imbalanced, unreasonable or unrealistic rates, without altering the tender sum Clause 2.5 F:..... V:..... T:.....	Item		
50	Tender submission This clause is amended by substituting " JBCC Form of Tender" with " Official Form of Tender: Clause 2.6 F:..... V:..... T:.....	Item		
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<u>3.0 THE SITE</u>					
51	Defined works area				
	The area of the works to be occupied by the contractor, any restriction on the area and the limit of access or exit will be pointed out to the contractor by the principal agent on handing over the site.				
	Clause 3.1				
	F:..... V:..... T:.....	Item			
52	Geotechnical investigation				
	Clause 3.2				
	F:..... V:..... T:.....	Item			
53	Inspection of the site				
	There will be a compulsory site inspection and briefing meeting as per the tender advertisement. Failure to attend will lead to disqualification of the tender.				
	Clause 3.3				
	F:..... V:..... T:.....	Item			
54	Existing premises occupied				
	Clause 3.4				
	F:..... V:..... T:.....	Item			
55	Previous work - dimensional accuracy				
	Clause 3.5				
	F:..... V:..... T:.....	Item			
56	Previous work - defects				
	Clause 3.6				
	F:..... V:..... T:.....	Item			
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63	Programming for the Works	Clause 4.2			
	F:..... V:..... T:.....		Item		
64	Progress meetings	Caluse 4.3			
	F:..... V:..... T:.....		Item		
65	Technical meetings	Clause 4.4			
	F:..... V:..... T:.....		Item		
66	Labour and plant records	Clause 4.5			
	F:..... V:..... T:.....		Item		
	<u>5.0 SAMPLES AND SHOP DRAWINGS</u>				
67	Samples of materials	Caluse 5.1			
	F:..... V:..... T:.....		Item		
68	Workmanship samples	Clause 5.2			
	F:..... V:..... T:.....		Item		
69	Shop drawings	Clause 5.3			
	F:..... V:..... T:.....		Item		
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70	Compliance with manufacturers' instructions Clause 5.4 F:..... V:..... T:.....	Item		
<u>6.0 TEMPORARY WORKS AND PLANT</u>				
71	Deposits and fees Clause 6.1 F:..... V:..... T:.....	Item		
72	Enclosure of the works Clause 6.2 F:..... V:..... T:.....	Item		
73	Advertising Clause 6.3 F:..... V:..... T:.....	Item		
74	Plant, equipment, sheds and offices Clause 6.4 F:..... V:..... T:.....	Item		
75	Main noticeboard Clause 6.5 F:..... V:..... T:.....	Item		
76	Subcontractors notice board Clause 6.6 F:..... V:..... T:.....	Item		
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<u>9.0 ATTENDANCE ON NOMINATED/SELECTED SUBCONTRACTORS</u>				
83	General attendance Clause 9.1 F:..... V:..... T:.....	Item		
84	Special attendance The last three words contained within Clause 9.2, <i>ie.</i> "..... in the schedule", shall be deleted and replaced by "..... within the relevant item incorporated in these bills of quantities". Clause 9.2 F:..... V:..... T:.....	Item		
85	Commissioning - Fuel, water and power Clause 9.3 F:..... V:..... T:.....	Item		
<u>10.0 FINANCIAL ASPECTS</u>				
86	Statutory taxes, duties and levies Provision is made in the summary of these bills of quantities for inclusion of Value Added Tax (VAT) Clause 10.1 F:..... V:..... T:.....	Item		
87	Payment of preliminaries Clause 10.2 F:..... V:..... T:.....	Item		
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88	<p>Adjustment of preliminaries</p> <p>Should the contractor select Alternative B but fails to provide the information required prior to signing of the contract, the Principal Agent shall have the right to select either Alternative A or B for the adjustment of Preliminaries. If the Principal Agent selects Alternative B he shall be entitled to make assumptions at his discretion regarding the information which the contractor would normally have provided prior to the signing of the contract</p> <p style="text-align: right;">Clause 10.3</p> <p>F:..... V:..... T:.....</p>	Item			
89	<p>Payment certificate cash flow</p> <p style="text-align: right;">Clause 10.4</p> <p>F:..... V:..... T:.....</p>	Item			
	<u>11.0 GENERAL</u>				
90	<p>Protection of the Works</p> <p style="text-align: right;">Clause 11.1</p> <p>F:..... V:..... T:.....</p>	Item			
91	<p>Protection/isolation of existing/sectionally occupied Works</p> <p style="text-align: right;">Clause 11.2</p> <p>F:..... V:..... T:.....</p>	Item			
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92	<p>Site security</p> <p>The contractor shall provide and maintain twenty-four hour site security and loss control systems all to the satisfaction of the principal agent. It is envisaged that these procedures will incorporate, inter alia, gate control for personnel and vehicles, individual entry permits, regular security patrols and the like.</p> <p>Clause 11.3</p> <p>F:..... V:..... T:.....</p>	Item		
93	<p>Notice before covering work</p> <p>Clause 11.4</p> <p>F:..... V:..... T:.....</p>	Item		
94	<p>Disturbance</p> <p>Clause 11.5</p> <p>F:..... V:..... T:.....</p>	Item		
95	<p>Environmental disturbance</p> <p>Clause 11.6</p> <p>F:..... V:..... T:.....</p>	Item		
96	<p>Works cleaning and clearing</p> <p>Clause 11.7</p> <p>F:..... V:..... T:.....</p>	Item		
97	<p>Vermin</p> <p>Clause 11.8</p> <p>F:..... V:..... T:.....</p>	Item		
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12.1.4 Defined Works area
(3.1)
The contractor will not be allowed to extend his operations beyond the area indicated on the drawings or defined by the Principal Agent

12.1.5 Geotechnical investigation
(3.2) **A Report is available for inspection at the Civil and Structural Engineer's offices**

12.1.6 Existing premises occupied
(3.4)
No

12.1.7 Previous work - dimensional accuracy
Not applicable

12.1.8 Previous work - defects.
(3.6)
Not applicable

12.1.9 Services - known.
(3.7)
Yes

12.1.10 Protection of trees.
(3.9)
No specific requirements

12.1.11 Inspection of adjoining properties
(3.11)
Not applicable

12.1.12 Enclosure of the Works.
(6.2)
Not applicable

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12.1.13 Offices
(6.4.3)

The contractor shall provide, maintain and remove on completion one meeting room at least 8,0 x 5,0 m on plan and 2,6m high internally. The room shall be well lit and fitted with three power outlets. The contractor shall furnish the room with a large table and at least ten chairs.

12.1.14 Main notice board.
(6.5)

One main notice board shall be provided

12.1.15 Subcontractors notice board.
(6.6)

A notice board is required

No

12.1.16 Water
(7.2)

Option A (by contractor)

Yes

12.1.17 Electricity

Option A (by contractor)

Yes

12.1.18 Telecommunications

Telephone

Yes

Facsimile

Yes

E-mail

Yes

12.1.19 Ablution facilities

Option A (by contractor)

Yes

12.1.20 Protection of existing/sectionally occupied works.
(11.2)

Protection is required.

No

Carried to Collection

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	<p>12.1.21 Special attendance (9.2) Details of special attendance required shall be as detailed within the items relevant to each particular sub-contract as incorporated hereinafter in these bills of quantities.</p> <p>12.1.22 Protection of the Works (11.1) No specific requirements</p> <p>12.1.23 Disturbance (11.5) Whilst the employer shall not impose restrictions upon the contractor's working hours, the contractor shall take all measures available to him in order to minimise noisy operations during business hours. Such measures will include, inter alia, the use of silent compressors and strict control of workmen.</p> <p>12.1.24 Environmental disturbance (11.6) Not applicable</p> <p>12.2 POST-TENDER INFORMATION</p>				
103	<p>Post-tender information required under clauses 12.2.1 to 12.2.3 shall be completed prior to contract signing, in consultation with the contractor.</p> <p>SECTION C: SPECIFIC PRELIMINARIES</p> <p>SUPPLEMENTARY DOCUMENTATION</p>	Item			
104	<p>As built drawings.</p> <p>The position of construction breaks and the extent of individual concrete pours are to be recorded by the Contractor on the structural engineering drawings and are to be submitted to the Principal Agent and the structural engineer for their records.</p> <p>F:..... V:..... T:.....</p>	Item			
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105	<p>Site Instructions.</p> <p>Contract instructions issued on site are to be recorded in triplicate in an instruction book which is to be maintained on site by the contractor.</p>	Item		
106	<p>LABOUR RECORD</p> <p>At the end of each week the contractor shall provide the Principal Agent with a written record, in schedule form, reflecting the number and description of tradesmen and labourers employed by him and all sub-contractors on the works each day of that week</p>	Item		
107	<p>PLANT RECORD</p> <p>At the end of each week the contractor shall provide the Principal Agent with a written record, in schedule form, reflecting the number, type and capacity of all plant, excluding hand tools, currently used on the works each day of that week</p>	Item		
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Total Brought Forward from Page No.	32			
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Item No		Quantity	Rate	Amount R
	<p><u>SECTION No. 2</u></p> <p><u>BUILDING WORKS</u></p> <p><u>BILL No. 1</u></p> <p><u>ALTERATIONS TO EXISTING BUILDINGS (PROVISIONAL)</u></p> <p><u>Notes:</u></p> <p>1. Tenderers are advised to study the "Specification of Materials and Methods to be used" (PW 371); downloadable from DPW website - www.publicworks.gov.za, before pricing this bill</p> <p>2. Unless otherwise stated all items in this bill shall be deemed to fall into Work Group No. 102 for JBCC CPAP purposes</p> <p><u>GENERAL NOTES</u></p> <p><u>SHORT DESCRIPTIONS</u></p> <p>For further preambles and full descriptions of items not fully described in this Bill, reference must be made to supplementary preambles and descriptions in the other Bills of this Section. Such supplementary preambles and descriptions shall apply equally to the work in this Bill</p>			
	Carried to Collection		R	
	<p>Section No. 2</p> <p>SECTION No. 2: COMMUNITY HALL (Including Offices)</p> <p>Bill No. 1</p> <p>ALTERATIONS TO EXISTING BUILDINGS (PROVISION</p>			

<p><u>GENERAL</u></p> <p>1 In taking down and removing existing work the utmost care shall be observed to prevent any structural or other damage to remaining portions of the building and the Contractor shall provide all shoring, needling, strutting, etc. to ensure the stability of all structures during alteration work</p> <p>Special care shall be exercised during the progress of the work to ensure that any electrical installations, water supply pipes, telephone and other services which may be encountered are not interfered with and notice shall be given to the Principal Agent if any disconnection or alterations become necessary</p> <p>Any water supply and other piping that may be encountered and which is found necessary to disconnect or cut shall, after such disconnection or cutting has been authorised by the Principal Agent, be effectively stopped off and any new connections that may be necessary made with the proper tees, junction pieces, etc. to the satisfaction of the Principal Agent</p> <p>The Contractor shall afford every facility to workmen not under his control making disconnections and new connections as required to any services</p> <p>Carried to Collection</p> <p>Section No. 2 SECTION No. 2: COMMUNITY HALL (Including Offices) Bill No. 1 ALTERATIONS TO EXISTING BUILDINGS (PROVISION</p>			
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MATERIALS FROM THE ALTERATIONS, CREDIT, ETC.

OLD MATERIALS TO BECOME THE PROPERTY OF THE CONTRACTOR

Old materials from alterations, except where described as to be "re-used" or "handed over" become the property of the Contractor who may allow credit for same where provided for in these Bills of Quantities

OLD MATERIALS TO BE CARTED AWAY

Old materials from the alterations, where described as to be "removed" as well as all rubbish, etc. must be regularly carted from the site and not be allowed to accumulate on or around the site

OLD MATERIALS NOT TO BE RE-USED

None of the old materials are to be used for new work except where specifically described as being "set aside for re-use"

HANDING OVER OF MATERIALS

Where certain materials or articles from alterations are described as to be "handed over" to the Principal Agent, such material or articles shall be properly stored by the Contractor, until handing over thereof. The Contractor must obtain an official receipt listing the materials or articles and dates of handing over. If the Contractor fails to submit the receipt when requested, it shall be deemed that the materials or articles are still in his possession and he will be held liable to the Department for the full replacement value thereof, which amount will be deducted from any monies due to the Contractor

Carried to Collection

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Section No. 2
SECTION No. 2: COMMUNITY HALL (Including Offices)
Bill No. 1
ALTERATIONS TO EXISTING BUILDINGS (PROVISION

EXISTING BUILDINGS

The existing buildings will be in use and occupied during the progress of the contract and the Contractor will be required to carry out the works in such a manner as will least interfere with the occupants and with the minimum of disturbance

Contractors are also to note that due to the buildings being occupied the repairs and renovations works will be required to be executed in a specific order as will be determined by the Principal Agent in conjunction with the user client's authorised representative.

SIZE PERTAINING TO EXISTING WORK

The Contractor is advised to take all dimensions affecting the existing buildings on the site and he will be held solely responsible for the correctness of sizes of all new work

All sizes given in relation to existing work are approximate

MAKING GOOD DAMAGED WORK

The Contractor shall make good in all trades to existing work where damaged or disturbed through the alterations with all necessary new materials to match the existing

FORMING NEW OPENINGS OR ALTERING OPENINGS IN EXISTING WALLS

Descriptions of forming new openings or altering openings in existing walls shall be deemed to include breaking out for and forming new brick, in-situ concrete or prestressed concrete lintels, including all reinforcement, formwork, turning pieces, etc., building up jumps or portion of openings as described with brickwork properly toothed and bonded to existing, building cavities of hollow walls solid where necessary and making good finishes all round on both sides and into reveals as described

Carried to Collection

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Section No. 2
SECTION No. 2: COMMUNITY HALL (Including Offices)
Bill No. 1
ALTERATIONS TO EXISTING BUILDINGS (PROVISION

BUILDING UP OPENINGS

Descriptions of building up existing openings where given in number shall be deemed to include preparing existing surfaces all around, brickwork properly toothed and bonded to existing, wedging up and making good on both sides as described

PAINTWORK

Where plasterwork on walls, ceilings, etc. are required to be patched or made good, prices are to include for the appropriate priming coat and one coat undercoat to receive paint finishing coats which are measured elsewhere

The contractor must protect all work not removed such as walls, floors, doors, windows, fittings, etc., from damage during the progress of the work and provide all necessary materials for doing so. All shoring, etc., of portions of the existing buildings necessary to ensure the stability of the premises while executing the demolitions or alterations is to be provided by the contractor, who will be held solely responsible for any damage to persons or property and for safety of the structure throughout the contract period. The contractor will be required to make good at his own expense any damage that may occur.

Tenderers are advised to visit the site before tendering and satisfy themselves as to the nature and extent of the works, means of access to the site and availability of working space. No claims will be entertained due to the tenderer having failed to comply with the above conditions.

The descriptions in the items are given as a guide and to assist contractors in tendering, but not necessarily accurate or complete. Contractors must verify the items by personal inspection on the site.

Unless otherwise stated the contractor shall not remove or interfere with any furniture, furnishings, fittings or similar articles belonging to the Employer and /or their staff.

Carried to Collection

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Section No. 2
SECTION No. 2: COMMUNITY HALL (Including Offices)
Bill No. 1
ALTERATIONS TO EXISTING BUILDINGS (PROVISION

PROCEDURE OF WORK

The Principal Agent reserves the right to direct the order in which the contract will be executed, should circumstances necessitate such action.

LOSS BY THEFT, FIRE OR OTHERWISE

The risk of loss, theft, fire, storm, riot or otherwise of the buildings to be demolished and the materials therein shall rest entirely with the contractor immediately upon the handing over of the site. He shall take such steps as he may deem fit for his own protection against such loss.

Water and other piping

Any water supply or other piping that may be met with and found necessary to disconnect or cut are to be effectually stopped off or grubbed up and removed and any new connections that may be necessary and are to be made with proper fittings and to the satisfaction of the Principal Agent to whom due notice is to be given regarding all alterations to existing services.

Prices for items of demolitions, are where applicable, to include for taking out and removing all sanitary fittings, plumbing and water supplies.

Electrical and other services

Special care is to be exercised not to unnecessarily interfere with any electric light, bell, power, telephone or other wires and fittings that may be met with and due notice must be given to the Principal Agent when any disconnections, removals, diversions, interruptions, etc. are necessary and the contractor is to afford every facility to the workmen carrying out this work.

Carried to Collection

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Section No. 2
SECTION No. 2: COMMUNITY HALL (Including Offices)
Bill No. 1
ALTERATIONS TO EXISTING BUILDINGS (PROVISION

The contractor must protect all work not removed such as walls, floors, doors, windows, fittings, etc. from damage during the progress of the work and provide all necessary materials for doing so.

All shoring, etc. of portions of the existing buildings necessary to ensure the stability of the premises while executing the demolitions or alterations is to be provided by the contractor, who will be held solely responsible for any damage to persons or property and for safety of the structure throughout the contract period. The contractor will be required to make good at his own expense any damage that may occur.

Existing buildings occupied

Tenderers are advised that the existing buildings will be in occupation during the building operations and due allowance must be made for the work being carried out in such a manner as will least interfere with the general routine of the occupants.

Adequate warning must be given if a particular section of the building has to be evacuated to carry out the work.

Noise prevention

The contractor shall take special care to minimise noisy operations during business hours. Such measures will include, inter alia, the use of silent compressors and strict control of workmen.

Carried to Collection

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Section No. 2
SECTION No. 2: COMMUNITY HALL (Including Offices)
Bill No. 1
ALTERATIONS TO EXISTING BUILDINGS (PROVISION

The contractor shall demolish the portions of existing structures or buildings with a minimum amount of damage to adjoining buildings, materials, pavings, etc. Any damage caused is to be made good at his own expense with materials to match the existing to the entire satisfaction of the Architect.

Tenderers should take particular note of and allow accordingly in their prices for the type of structure and materials to be encountered and the thickness of walls, concrete slabs, etc. to be demolished.

Unless otherwise described all materials arising from the demolitions and alterations are to become the property of the contractor and he is to allow a credit for the same as provided for on the final summary page. These materials, including all rubbish and debris shall be immediately carted away and the site left clean and unencumbered. None of the old brick from the demolitions are to be re-used for any new brickwork.

Bricking up, altering or breaking new opening in existing walls

Where the Contractor is required to form openings, alter openings or brick up openings in existing walls all brickwork shall be made good at jambs including properly bonding to existing. Brickwork in bricking up openings shall be wedged and pinned up to brickwork or concrete over in cement mortar.

Cement screeds, pavings, granolithic, etc. in openings are to be levelled and prepared for raising of brickwork. Plaster to reveals to openings are to have all external angles rounded and making good of finishes is to include for junction with existing finishes.

Where openings are described as having new brick lintols they are to be with minimum 300mm end bearings and prices are to include for brick reinforcement to suit the width of the wall. Lintols are to be three courses high up to span of 1000mm and four courses high up to span of 1000mm and four courses high when exceeding that span and brickwork is to be built in 1:3 cement mortar. Where openings are described as having precast prestressed concrete lintols they are to be with minimum 300mm end bearings of 30 MPa concrete. One prestressed lintol for each half brick thickness is required and is to be reinforced with and including all necessary high tensile wire.

Carried to Collection

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Section No. 2
SECTION No. 2: COMMUNITY HALL (Including Offices)
Bill No. 1
ALTERATIONS TO EXISTING BUILDINGS (PROVISION

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Item No		Quantity	Rate	Amount R
	<p><u>SECTION No. 2</u></p> <p><u>BUILDING WORKS</u></p> <p><u>BILL No. 2</u></p> <p><u>WATERPROOFING</u></p> <p><u>Notes:</u></p> <p>1. Tenderers are advised to study the "Specification of Materials and Methods to be used" (PW 371); downloadable from DPW website - www.publicworks.gov.za, before pricing this bill</p> <p>2. Unless otherwise stated all items in this bill shall be deemed to fall into Work Group No. 120 for JBCC CPAP purposes</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Waterproofing</u></p> <p>Waterproofing of roofs, basements, etc shall be laid under a ten year guarantee. Waterproofing to roofs shall be laid to even falls to outlets etc with necessary ridges, hips and valleys. Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs</p>			
	Carried to Collection		R	
	<p>Section No. 2</p> <p>SECTION No. 2: COMMUNITY HALL (Including Offices)</p> <p>Bill No. 2</p> <p>WATERPROOFING</p>			

	<p><u>WATERPROOFING TO ROOFS, BASEMENTS, ETC</u></p> <p>The Contractor shall furnish the Principal Agent with a written guarantee for 10 years for the roof covering, signed by the Contractor and countersigned by the Supplier of the waterproofing materials : The above guarantee is to be underwritten by an insurance company approved by Principal Agent</p> <p>-----</p> <p><u>4mm "Derbigum SP" or other approved fully bonded waterproofing applied in strict accordance with the manufacturer's instructions</u></p>			
5	On concrete slabs	m ²	210	
	Carried to Collection			R
	<p>Section No. 2 SECTION No. 2: COMMUNITY HALL (Including Offices) Bill No. 2 WATERPROOFING</p>			

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Item No		Quantity	Rate	Amount R
	<p><u>SECTION No. 2</u></p> <p><u>BUILDING WORKS</u></p> <p><u>BILL No 3</u></p> <p><u>ROOF COVERINGS ETC (Provisional)</u></p> <p><u>Notes:</u></p> <p>1. Tenderers are advised to study the "Specification of Materials and Methods to be used" (PW 371); downloadable from DPW website - www.publicworks.gov.za, before pricing this bill</p> <p>2. Unless otherwise stated all items in this bill shall be deemed to fall into Work Group No. 124 for JBCC CPAP purposes</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Straight cutting</u></p> <p>Descriptions of all roof coverings are deemed to include for all straight cutting</p> <p><u>PROFILED METAL SHEETING AND ACCESSORIES</u></p> <p>Where roof coverings are fixed on top of rigid board insulation to purlins etc, descriptions of roof coverings shall include therefor</p> <p><u>0.47mm "IBR" AZ150" 890 roll formed sheet from clean colour-bond volcanic grey G550 sheet fixed to existing structural steel purlin "all in accordance to the manufacturer's specifications"</u></p>			
6	Roof covering with pitches not exceeding 25 degrees	m ²	210	
7	Ridge covering with serrated closer 550mm girth	m	37	
8	Valley gutters	m	90	
	Carried to Collection			R
	Section No. 2 SECTION No. 2: COMMUNITY HALL (Including Offices) Bill No. 3 ROOF COVERINGS			

ROOF AND WALL INSULATION					
<u>"Fibreglass" or other approved heavy industrial grade aluminium foil based insulation.</u>					
9	115mm Thick Insulation laid taut over suspended ceiling (elsewhere), at approximately 1,50m centres in both directions, including taped laps and nylon straining wires	m ²	210		
Carried to Collection				R	
Section No. 2 SECTION No. 2: COMMUNITY HALL (Including Offices) Bill No. 3 ROOF COVERINGS					

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Item No		Quantity	Rate	Amount R
	<p><u>SECTION No. 2</u></p> <p><u>BUILDING WORKS</u></p> <p><u>BILL No. 4</u></p> <p><u>CARPENTRY & JOINERY</u></p> <p><u>Notes:</u></p> <p>1. Tenderers are advised to study the "Specification of Materials and Methods to be used" (PW 371); downloadable from DPW website - www.publicworks.gov.za, before pricing this bill</p> <p>2. Unless otherwise stated all items in this bill shall be deemed to fall into Work Group No. 126 for JBCC CPAP purposes</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Particle board Particle board shall comply with the following specifications: a) SABS 1300 Particle board: exterior and flooring type b) SABS 1301 Particle board: interior type</p> <p>Plate nailed timber roof truss construction</p> <p>The following is applicable in respect of roof trusses:</p> <p>Trusses are at maximum 1,10m centres. Roof covering is 0,6mm "Klip-lok" roof sheeting on 50 x 75mm purlins. Ceilings are Pre-painted 1200 x 600 x 12.7mm vinyl-faced rhinoboard suspended ceiling panels.</p> <p><u>Joinery</u></p> <p>Descriptions of frames shall be deemed to include frames, transoms, mullions, rails, etc</p> <p>Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes</p> <p style="text-align: right;">Carried to Collection</p> <p>Section No. 2 SECTION No. 2: COMMUNITY HALL (Including Offices) Bill No. 4 CARPENTRY & JOINERY</p>			
			R	

	<u>Fixing</u>				
	Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete				
	<u>Decorative laminate finish</u>				
	Laminate finish shall be glued under pressure. Edge strips shall be butt jointed at junctions with adjacent similar finish				
	<u>ROOFS, ETC</u>				
	<u>Plate nailed timber roof truss construction</u>				
	<u>Sawn softwood</u>				
10	38 x 114mm Wall plates	m	80		
11	Design, manufacture and deliver on site, plate nailed roof truss construction to building, size 204m ² overall on plan with 600mm eaves overhang projecting both sides, including all necessary purlins, runners, bracing and cross bracing, hip rafters, jack trusses, etc (wall plates measured elsewhere)	No	1		
12	Take delivery, temporary store, hoist in position and erect plate nailed timber roof trusses, purlins, gangboarding, temporary and permanent bracing, etc (measured on slope of roof)	m ²	210		
	<u>Sundries</u>				
13	Two coats creosote on sawn timbers	m ²	210		
	<u>EAVES, VERGES, ETC</u>				
	<u>"Everite FC77" or other equal and approved pressed fibre-cement</u>				
14	12 x 225mm Fascias and barge boards, including aluminium H-profile jointing strips	m	86		
	Carried to Collection			R	
	Section No. 2				
	SECTION No. 2: COMMUNITY HALL (Including Offices)				
	Bill No. 4				
	CARPENTRY & JOINERY				

	<p><u>DOORS, ETC</u></p> <p>DOORS:Notes:All stock doors should comply with the requirements of SABS 545 and bear the "MARK"Prices are to include for all trimming required and hanging and fitting to pressed steel door liningsThe Contractor shall provide the Principal Agent with full constructional details of the flush doors that he proposes to use, for approval-----</p> <p><u>Wrought meranti doors, etc</u></p> <p><u>Framed, ledged, braced and battened door filled flush with 20 mm tongued, grooved and V-jointed vertical boarding in narrow widths and filled in flush in one panel and other side finished with hardwood veneer</u></p>				
15	<p>44 mm door size 813 x 2032 mm high including 75 x 75 mm splayed weather bar with drip groove fixed on one side</p> <p><u>KITCHEN CUPBOARDS, ETC</u></p> <p><u>Kitchen cupboards etc. with 30mm thick x 600mm wide granite worktop (elsewhere) with American walnut wood finish and solid doors</u></p>	No	10		
16	<p>Sink cupboard size 700 x 600 x 900mm high with sides, bottom, divisions, shelf, back and 4 single hinged doors (sink elsewhere)</p> <p><u>30mm thick Rustenburg granite top with all exposed edges large bevel edged, fixed to supports, using dabs of 100% black silicon adhesive along all supports with all joints filled with matching polyster resin glue.</u></p>	No	1		
17	<p>600mm wide Rusternburg granite worktop</p>	m	7		
	Carried to Collection			R	
	Section No. 2 SECTION No. 2: COMMUNITY HALL (Including Offices) Bill No. 4 CARPENTRY & JOINERY				

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Item No		Quantity	Rate	Amount R
	<p><u>SECTION No. 2</u></p> <p><u>BUILDING WORKS</u></p> <p><u>BILL No. 10</u></p> <p><u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u></p> <p><u>Notes:</u></p> <p>1. Tenderers are advised to study the "Specification of Materials and Methods to be used" (PW 371); downloadable from DPW website - www.publicworks.gov.za, before pricing this bill</p> <p>2. Unless otherwise stated all items in this bill shall be deemed to fall into Work Group No. 129 for JBCC CPAP purposes</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Descriptions</u></p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins or shot pinned to brickwork or concrete</p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres, and where described as "bolted", the bolts are measured elsewhere</p> <p><u>Proprietary suspended ceilings</u></p> <p>Electric light fittings, diffusers, panels, etc generally are "lay in" units of the same dimensions as the suspension grid described and allowance shall be made accordingly for their support, inclusive of any flexibility in setting out that may be required (ceiling panels have not been deducted and pricing shall take cognisance thereof)</p>			
	Carried to Collection			R
	<p>Section No. 2</p> <p>SECTION No. 2: COMMUNITY HALL (Including Offices)</p> <p>Bill No. 5</p> <p>CEILINGS, PARTITIONS & ACCESS FLOORING</p>			

	<p><u>"Rhino-Drywall" partition systems</u></p> <p>"Rhino-Drywall" partitions shall comprise 63,5mm top and bottom galvanised steel tracks with 63,5mm galvanised steel vertical studs at maximum 600mm centres, friction fitted or pop-riveted to the top and bottom tracks with similar additional vertical studs as necessary at abutments, ends, etc and covered as described with wallboard screwed to studding with "Drywall" screws at maximum 220mm centres. Boards shall be butt jointed and finished with "Rhino" tape and "Readymix D" jointing compound all in accordance with the manufacturer's instructions, complete with flat section aluminium skirtings. Intersections and abutments are measured separately and descriptions shall be deemed to include any additional studs, corner beads, jointing compound</p> <p><u>"Donn Vanguard" partition systems</u></p> <p>Demountable partitions are to be "Donn Vanguard" with an overall thickness of 76mm, comprising 50mm wide galvanised steel tracks and studs with one layer of 12,7mm gypsum plasterboard in 1,20m modules on each side and flat section aluminium skirtings and recessed aluminium cornices. The panels shall be covered with "Donn" paper backed vinyl wall cladding wrapped around edges. Aluminium door frames and glazing sections, skirtings, cornices, etc shall be natural anodised aluminium. The partitions shall be erected in accordance with the manufacturer's printed instructions</p> <p><u>CEILINGS, ETC</u></p> <p><u>NAILED UP CEILINGS</u></p> <p><u>6,4mm "Rhino" gypsum plasterboard with H-type pressed steel jointing strips</u></p>				
18	Horizontal ceilings, including 38 x 38mm sawn softwood brandering at 450mm centres	m ²	210		
19	Extra over ceiling for 550 x 550mm trap door of 550 x 550mm wrought softwood rebated framing with one 38 x 38mm sawn softwood cross brander covered with ceiling board and fitted flush in opening (provisional)	No	2		
	Carried to Collection			R	
	Section No. 2 SECTION No. 2: COMMUNITY HALL (Including Offices) Bill No. 5 CEILINGS, PARTITIONS & ACCESS FLOORING				

	<u>"Rhino" gypsum plasterboard cornices</u>				
20	75mm Coved cornices	m	90		
	Carried to Collection			R	
	Section No. 2				
	SECTION No. 2: COMMUNITY HALL (Including Offices)				
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	CEILINGS, PARTITIONS & ACCESS FLOORING				

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Item No		Quantity	Rate	Amount R
	<p><u>SECTION No. 2</u></p> <p><u>BUILDING WORKS</u></p> <p><u>BILL No. 12</u></p> <p><u>IRONMONGERY</u></p> <p><u>Notes:</u></p> <p>1. Tenderers are advised to study the "Specification of Materials and Methods to be used" (PW 371); downloadable from DPW website - www.publicworks.gov.za, before pricing this bill</p> <p>2. Unless otherwise stated all items in this bill shall be deemed to fall into Work Group No. 132 for JBCC CPAP purposes</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Finishes to ironmongery</u></p> <p>Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list: BS Satin bronze lacquered CH Chromium plated SC Satin chromium plated SE Silver enamelled GE Grey enamelled AS Anodised silver AB Anodised bronze AG Anodised gold ABL Anodised black PB Polished brass PL Polished and lacquered PT Epoxy coated SD Sanded</p> <p><u>"EN-SUITE" LOCKS</u></p> <p><u>"Dorma"</u></p>			
21	<p>Installation of 4 lever door locks complete</p> <p><u>HANDLES</u></p> <p><u>"Dorma"</u></p>	No	10	
22	<p>Exterior access lock with lever handle (Ref PHT3901)</p>	No	10	
	Carried to Collection			R
	<p>Section No. 2</p> <p>SECTION No. 2: COMMUNITY HALL (Including Offices)</p> <p>Bill No. 6</p> <p>IRONMONGERY</p>			

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Item No		Quantity	Rate	Amount R
	<p><u>SECTION No. 2</u></p> <p><u>BUILDING WORKS</u></p> <p><u>BILL No. 16</u></p> <p><u>TILING</u></p> <p><u>Notes:</u></p> <p>1. Tenderers are advised to study the "Specification of Materials and Methods to be used" (PW 371); downloadable from DPW website - www.publicworks.gov.za, before pricing this bill</p> <p>2. Unless otherwise stated all items in this bill shall be deemed to fall into Work Group No. 144 for JBCC CPAP purposes</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Fixing</u></p> <p>Unless described as "fixed with adhesive to plaster (plaster elsewhere)" descriptions of tiling on brick or concrete walls, columns, etc shall be deemed to include 1:4 cement plaster backing and descriptions of tiling on concrete floors etc shall be deemed to include 1:3 plaster bedding</p> <p>Tiling described as "fixed with adhesive on powder floated concrete" shall be deemed to include for approved tiling key-coat</p> <p>Ceramic, porcelain, marble and garnite tiles are to be fixed and grouted with suitable adhesives and grouts from the "Tal Professional" range of products as recommended by the manufacturer of the tiles</p> <p><u>WALL TILING</u></p> <p><u>"Union" or other equal and approved</u></p>			
	Carried to Collection		R	
	<p>Section No. 2</p> <p>SECTION No. 2: COMMUNITY HALL (Including Offices)</p> <p>Bill No. 7</p> <p>TILING</p>			

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Item No		Quantity	Rate	Amount R
	<p><u>SECTION No. 2</u></p> <p><u>BUILDING WORKS</u></p> <p><u>BILL No. 17</u></p> <p><u>PLUMBING AND DRAINAGE (PROVISIONAL)</u></p> <p><u>Notes:</u></p> <p>1. Tenderers are advised to study the "Specification of Materials and Methods to be used" (PW 371); downloadable from DPW website - www.publicworks.gov.za, before pricing this bill</p> <p>2. Unless otherwise stated all items in this bill shall be deemed to fall into Work Group No. 148 for JBCC CPAP purposes</p> <p>3. DEFINITION OF LOCATIONS AS USED IN THESE BILLS OF QUANTITIES</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Wire gratings</u></p> <p>Descriptions of gutter outlets etc shall be deemed to include wire balloon gratings</p> <p><u>Stormwater channels</u></p> <p>Descriptions of channels shall be deemed to include necessary excavation, surface preparation, compaction, etc, and disposal of surplus material on site</p> <p><u>French drains</u></p> <p>Descriptions of french drains shall be deemed to include excavation, stone filling graded from 300mm diameter at bottom to 75mm diameter at top, geofabric filter blanket over stone, 300mm earthfilling over and disposal of surplus material on site</p> <p style="text-align: right;">Carried to Collection</p> <p>Section No. 2 SECTION No. 2: COMMUNITY HALL (Including Offices) Bill No. 8 PLUMBING AND DRAINAGE (PROVISIONAL)</p>			
			R	

Septic tanks

Descriptions of proprietary type septic tanks shall be deemed to include excavation, bedding and jointing, concrete base slabs, jointing to drains and backfilling, compaction, etc all in accordance with the manufacturer's instructions and disposal of surplus material on site

Stainless steel basins, sinks, wash troughs, urinals, etc

Stainless steel for economy basins, domestic sinks and worktops shall be Type 430 (17/0)

Stainless steel for urinals, basins, quality sinks, wash troughs, institutional equipment, etc shall be Type 304 (18/8)

Stainless steel for laboratory sinks, photographic equipment, etc shall be Type 316 (18/8)

Units shall have standard aprons on all exposed edges and tiling keys against walls where applicable

Sealing of edges

Outer edges of sinks, basins, baths, urinals, etc are to be sealed against adjacent surfaces with approved silicone

uPVC pipes and fittings

Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings

Soil, waste and vent pipes and fittings shall be solvent weld jointed or sealed with butyl rubber rings

uPVC pressure pipes and fittings

Pipes of 50mm diameter and smaller shall be plain ended with solvent welded uPVC loose sockets and fittings

Pipes of 63mm diameter and greater shall have sockets and

Carried to Collection

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Section No. 2

SECTION No. 2: COMMUNITY HALL (Including Offices)

Bill No. 8

PLUMBING AND DRAINAGE (PROVISIONAL)

<p>spigots with push-in type integral rubber ring joints. Bends shall be uPVC and all other fittings shall be cast iron, all with similar push-in type joints</p> <p><u>High density polyethylene (HDPE) pipes and fittings</u></p> <p>Pipes shall be type IV and of the class specified with "Plasson" or "Alprene" compression fittings</p> <p><u>"Polycop" polypropylene pipes</u></p> <p>Polypropylene pipes 54mm diameter and smaller shall be seamless copper coloured Class 16 pipes jointed with "Fast-fuse" heat welded thermoplastic or where so described "Polylock" compression fittings</p> <p>Pipes shall be firmly fixed to walls, etc with coloured nylon snap-in pipe clips with provision for accommodating thermal movement and jointed and fixed strictly in accordance with the manufacturer's instructions</p> <p><u>Copper pipes</u></p> <p>Pipes shall be hard drawn and half-hard "Maksal" pipes of the class described. Class 0 (thin walled hard drawn) pipes shall not be bent. Class 1 (thin walled half-hard), Class 2 (half-hard) and Class 3 (heavy walled half-hard) pipes shall only be bent with benders with inner and outer formers. Fittings to copper waste, vent and anti-syphon pipes, capillary solder fittings and compression fittings shall be "Cobra Watertech" type. Capillary solder fittings shall comply with ISO 2016</p> <p>Copper pipes are to be installed in accordance with the latest revision of the Code of Practice for Copper Plumbing soldering techniques. Flux, solder, etc to be strictly in accordance with the manufacturer's requirements with special attention to copper flux composition</p> <p><u>Reducing fittings</u></p>			
<p>Carried to Collection</p>		R	
<p>Section No. 2 SECTION No. 2: COMMUNITY HALL (Including Offices) Bill No. 8 PLUMBING AND DRAINAGE (PROVISIONAL)</p>			

Where fittings have reducing ends or branches they are described as "reducing" and only the largest end or branch size is given. Should the contractor wish to use other fittings and bushes or reducers he may do so on the understanding that no claim in this regard will be entertained

Fixing of pipes

Unless specifically otherwise stated, descriptions of pipes shall be deemed to include fixing to walls, etc, casting in, building in or suspending not exceeding 1m below suspension level

Paper wrapping to pipes

Pipes chased into brickwork must be wrapped with two layers of stout brown paper tied with wire. Rates are to include for wrapping around joints and fittings

Disinfection of water pipework

Water pipework is to be disinfected at completion in accordance with SABS 1200L (provision for disinfection elsewhere)

"Densyl" petrolatum anti-corrosion tape as manufactured by Denso SA (Pty) Ltd.

Pipes to be taped shall be coated with the appropriate primer and the tape shall be applied in the appropriate widths and with 15% overlaps

Couplings and fittings to pipes shall be taped in strict accordance with the manufacturer's instructions including mastic, tape, "Layflat" sheeting, securing of same, etc

Prices for wrapping of pipes shall include for all work as described to couplings in the length

Laying, backfilling, bedding, etc of pipes

Pipes shall be laid and bedded in accordance with manufacturers' instructions and trenches shall be

Carried to Collection

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Section No. 2
SECTION No. 2: COMMUNITY HALL (Including Offices)
Bill No. 8
PLUMBING AND DRAINAGE (PROVISIONAL)

<p>carefully backfilled</p> <p>Where no manufacturers' instructions exist, pipes shall be laid in accordance with Clauses 5.1 and 5.2 of each of the following: SABS 1200L : Medium-pressure pipelines SABS 1200LD: Sewers SABS 1200LE: Stormwater drainage</p> <p>Pipe trenches, etc shall be backfilled in accordance with Clauses 3, 5.5, 5.6, 5.7 and 7 of SABS 1200DB : Earthworks (Pipe trenches)</p> <p>Pipes shall be bedded in accordance with Clauses 3.1 to 3.4.1, 5.1 to 5.3 and 7 of SABS 1200LB : Bedding (Pipes)</p> <p>Unless otherwise described bedding of rigid pipes shall be Class B bedding</p> <p><u>General</u></p> <p>Descriptions of cast iron roof outlets shall be deemed to include joints to pipes and casting into concrete (adaptors for joints to PVC pipes, etc are given separately)</p> <p>Descriptions of overflow pipes where measured in number, shall be deemed to include joints to cisterns and splay cut ends</p> <p>Descriptions of pipes laid in and including trenches and of inspection chambers, catchpits, etc shall be deemed to include excavation, bedding, backfilling, compaction to a minimum of 95% Mod AASHTO density and disposal of surplus material on site</p> <p>Descriptions of service pipes and flexible connecting pipes shall be deemed to include connections to taps, cisterns, etc and to steel pipes (adaptors for connections to copper pipes, etc are given separately)</p> <p>Carried to Collection</p> <p>Section No. 2 SECTION No. 2: COMMUNITY HALL (Including Offices) Bill No. 8 PLUMBING AND DRAINAGE (PROVISIONAL)</p>			
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	<u>FRANKE Grade 304 Stainless Steel ware or equal and approved fixed to brickwork or concrete</u>				
41	Sink - Franke Projectline Model PLN621 or equal approved Grade 304 18/10 polished stainless steel double end bowl inset sink (code: 821048), overall size 1160 x 460mm wide with two 340 x 370 x 152mm deep bowls, fitted onto cupboard including 38mm wast fitting and PVC traps	No	1		
	<u>WASTE UNIONS ETC</u>				
	<u>'Cobra Watertech' or other equal and approved</u>				
42	38 mm bath or sink waste (code 318-40).	No	1		
	<u>TAPS, VALVES, ETC</u>				
	<u>'Cobra Watertech' or other equal and approved</u>				
43	"Ixon" 15mm sink mixer Ref X-166/0412/CP.	No	1		
	<u>SANITARY PLUMBING</u>				
	<u>uPVC Pipes (class 3)</u>				
44	50 mm diameter pipe	m	50		
45	100mm diameter pipe	m	50		
	<u>uPVC Pipes (class 6)</u>				
46	110mm Pipe laid in and including trench excavation not exceeding 1m deep including backfilling with selected granular fill in bedding and filling around pipes	m	50		
	<u>Extra over class 6 uPVC Piping for:</u>				
47	50 mm Bend	No	2		
48	50 mm Reducer	No	2		
49	50 mm Junction	No	2		
50	50 mm Access bend	No	2		
51	50 mm Access junction	No	2		
	Carried to Collection			R	
	Section No. 2				
	SECTION No. 2: COMMUNITY HALL (Including Offices)				
	Bill No. 8				
	PLUMBING AND DRAINAGE (PROVISIONAL)				

52	50 mm Reducing junction	No	2		
53	50 mm Access reducing junction	No	2		
54	110 mm Access bend	No	2		
55	110 mm Reducer	No	2		
56	110 mm Reducer with anti-syphon horn	No	2		
57	110 mm Junction	No	2		
58	110 mm Reducing junction	No	2		
59	110 mm Straight pan connector	No	2		
60	Vent cowl and setting in top of 110 mm diameter pipe	No	2		
	<u>Sundries</u>				
61	Testing waste pipe system		Item		
	<u>WATER SUPPLIES</u>				
	<u>Copper Tubing Class 2 - Hard Drawn (SABS 460 as Amended), Including Jointing and Slip or Straight Couplers and with Capillary Copper Tube Fittings (Measured Separately):</u>				
	<u>Class 0 thin wall hard drawn copper pipes and fittings with capillary soldered type connections</u>				
62	15mm Pipes	m	50		
63	22mm Pipes	m	50		
	<u>FIRE SERVICE</u>				
	<u>Fire extinguishers</u>				
64	4.5kg DCP (dry chemical powder portable) fire extinguisher on and including wrought Meranti backboard size 520 x 100 x 22mm thick plugged and screwed to wall and finished with two coats of signal red enamel paint, including 120 x 20 x 2mm mild steel strip bent to form hook	No	3		
	<u>Sundries</u>				
	Carried to Collection			R	
	Section No. 2				
	SECTION No. 2: COMMUNITY HALL (Including Offices)				
	Bill No. 8				
	PLUMBING AND DRAINAGE (PROVISIONAL)				

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Item No		Quantity	Rate	Amount R
	<p><u>SECTION No. 2</u></p> <p><u>BUILDING WORKS</u></p> <p><u>BILL No. 20</u></p> <p><u>GLAZING</u></p> <p><u>Notes:</u></p> <p>1. Tenderers are advised to study the "Specification of Materials and Methods to be used" (PW 371); downloadable from DPW website - www.publicworks.gov.za, before pricing this bill</p> <p>2. Unless otherwise stated all items in this bill shall be deemed to fall into Work Group No. 150 for JBCC CPAP purposes</p> <p>3. DEFINITION OF LOCATIONS AS USED IN THESE BILLS OF QUANTITIES</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Float glass</u></p> <p>The term "float glass" is used for monolithic annealed glass</p> <p><u>Laminated glass</u></p> <p>Laminated glass to have polyvinyl butyral (PVB) interlayer(s)</p> <p><u>GLAZING TO STEEL WITH PUTTY</u></p> <p><u>4mm Clear float glass</u></p>			
75	Panes exceeding 0.5 m2 and not exceeding 2 m2	m ²	27	
	Carried Forward to Summary of Section No.			R
	Section No. 2			
	SECTION No. 2: COMMUNITY HALL (Including Offices)			
	Bill No. 9			
	GLAZING			

Item No		Quantity	Rate	Amount R
	<p><u>SECTION No. 2</u></p> <p><u>BUILDING WORKS</u></p> <p><u>BILL No. 21</u></p> <p><u>PAINTWORK</u></p> <p><u>Notes:</u></p> <p>1. Tenderers are advised to study the "Specification of Materials and Methods to be used" (PW 371); downloadable from DPW website - www.publicworks.gov.za, before pricing this bill</p> <p>2. Unless otherwise stated all items in this bill shall be deemed to fall into Work Group No. 152 for JBCC CPAP purposes</p> <p>3. DEFINITION OF LOCATIONS AS USED IN THESE BILLS OF QUANTITIES</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>DESCRIPTIONS</u></p> <p>Descriptions of paintwork shall be deemed to include for all cutting in</p> <p><u>PREPARATORY WORK TO EXISTING WORK</u></p> <p><u>Previously painted plastered surfaces</u></p> <p>Surfaces shall be thoroughly washed down and allowed to dry completely before any paint is applied. Blistered or peeling paint shall be completely removed and cracks shall be opened, filled with a suitable filler and finished smooth</p>			
	Carried to Collection		R	
	<p>Section No. 2</p> <p>SECTION No. 2: COMMUNITY HALL (Including Offices)</p> <p>Bill No. 10</p> <p>PAINTWORK</p>			

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Section No. 2
SECTION No. 2: COMMUNITY HALL (Including Offices)
Bill No. 10
PAINTWORK

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Section No. 2				
SECTION No. 2: COMMUNITY HALL (Including Offices)				
<u>SECTION SUMMARY - SECTION No. 2: COMMUNITY HALL (Including Offices)</u>				
Bill No		Page No		Amount R
1	ALTERATIONS TO EXISTING BUILDINGS (PROVISIONAL)	44		
2	WATERPROOFING	47		
3	ROOF COVERINGS	50		
4	CARPENTRY & JOINERY	54		
5	CEILINGS, PARTITIONS & ACCESS FLOORING	58		
6	IRONMONGERY	61		
7	TILING	64		
8	PLUMBING AND DRAINAGE (PROVISIONAL)	74		
9	GLAZING	75		
10	PAINTWORK	80		
Carried to Final Summary			R	
Section No. 2				
SECTION No. 2: COMMUNITY HALL (Including Offices)				

Carried Forward to Summary of Section No.

Section No. 3
SECTION No. 4: EXTERNAL WORKS (PROVISIONAL
Bill No. 1
DEMOLITIONS, ETC

-83-

R

Item No		Quantity	Rate	Amount R
	<u>BILL No. 1</u>			
	<u>PROVISIONAL SUMS & BUDGETRY ALLOWANCES</u>			
	<u>PROVISIONAL SUMS</u>			
	<u>Construction of Ablution block</u>			
1	Allow a provisional amount of R 100 000.00 (One Hundred Thousand) for the construction of an ablution block.	Item		100,000.00
2	Add profit on the above item	Item		
3	Add attendance	Item		
	<u>Tank and Tank Stand</u>			
4	Allow a provisional amount of R 180 000.00 (One Hundred and Eighty Thousand Rands) for the tanks and tank stands	Item		180,000.00
5	Add profit on the above item	Item		
6	Add attendance	Item		
	<u>Electrical Reticulation to Community Hall</u>			
7	Allow a provisional amount of R136 500 (One Hundred and Thirty Six Thousand Five Hundred Rands) for a complete Electrical Reticulation to the Community Hall .	Item		136,500.00
8	Add profit on the above item	Item		
9	Add attendance	Item		
	Carried to Collection		R	
	Section No. 4			
	SECTION No. 5: PROVISIONAL SUMS & BUDGETRY A			
	Bill No. 1			
	PROVISIONAL SUMS & BUDGETRY ALLOWANCES			

Section No. 4
SECTION No. 5: PROVISIONAL SUMS & BUDGETRY A
Bill No. 1
PROVISIONAL SUMS & BUDGETRY ALLOWANCES

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Section No	FINAL SUMMARY	Page No		Amount R
1	SECTION No. 1: PRELIMINARIES	34		
2	SECTION No. 2: COMMUNITY HALL (Including Offices)	81		
3	SECTION No. 4: EXTERNAL WORKS (PROVISIONAL)	84		
4	SECTION No. 5: PROVISIONAL SUMS & BUDGETRY ALLOWANCES	87		
	<u>PART A: PRELIMINARIES, COMMUNITY HALL, ABLUTIONS & EXTERNAL WORKS</u>			
	Sub-total (A)		R	
	<u>PART B: CONTINGENCY ALLOWANCE</u>			
	Provide a Contingency Allowance of R 65 093.37 (Sixty Five Thousand Rands and Ninety Three Rands and Thirty Seven Cents) to be used at the sole discretion of the client/Principal Agent	Item		
	Sub-Total (B)		R	
	ADD: Value added Tax at 15%		R	
	Sub-Total (C)		R	
	TOTAL CARRIED TO FORM OF OFFER AND ACCEPTANCE		R	