

Item No		Quantity	Rate	Amount R
	<p><u>SECTION NO. 1</u></p> <p><u>PRELIMINARIES</u></p> <p><u>BILL NO. 1</u></p> <p><u>PRELIMINARIES</u></p> <p><u>BUILDING AGREEMENT AND PRELIMINARIES</u></p> <p>The JBCC Series 2000 Principal Building Agreement (March 2005 edition) prepared by the Joint Building Contracts Committee, shall be the agreement, amended as hereinafter described</p> <p>The Preliminaries for use with the JBCC Series 2000 Principal Building Agreement (May 2005 edition) prepared by the Joint Building Contracts Committee, shall be deemed to be incorporated in these bills of quantities</p> <p>Contractors are referred to the above-mentioned documents for the full intent and meaning of each clause thereof</p> <p>These clauses are hereinafter referred to by clause number and heading only. Where standard clauses or alternatives are not entirely applicable to this contract such modifications, corrections or supplements as will apply are given under each relevant clause heading and such modifications, corrections or supplements shall take precedence notwithstanding anything contrary contained in the above-mentioned documents</p> <p>Where any item is not relevant to this specific contract such item is marked N/A, signifying "not applicable"</p> <p>Notwithstanding anything to the contrary contained in any of the contract documents including the Principal Building Agreement and the Preliminaries, the provision of the "Preliminaries" as hereinafter set forth shall prevail and shall take precedence</p>			
	Carried to Collection			R
	<p>Section No. 1</p> <p>SECTION No. 1: PRELIMINARIES</p> <p>Bill No. 1</p> <p>PRELIMINARIES</p>			

<p><u>PREAMBLES FOR TRADES</u></p> <p>The Model Preambles for Trades (1999 edition) as published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these bills of quantities and no claim arising from brevity of description of items fully described in the said Model Preambles for Trades will be entertained</p> <p>Supplementary preambles to the Model Preambles covering clauses of a general nature, clauses pertaining to specific materials and amendments to clauses in the Model Preambles are incorporated in these bills of quantities to satisfy the requirements of this project</p> <p>The contractor's prices for all items throughout these bills of quantities must take account of and include for all of the obligations, requirements and specifications given in the Model Preambles and in any supplementary preambles</p> <p><u>GENERAL</u></p> <p>If Alternative A as set out in clause B10.3 hereinafter is to be used for the adjustment of the preliminaries each item priced is to be allocated to one or more of the three categories "F", "T" or "V" as the case may be below such item, where "F" denotes a fixed amount (amount not to be varied), "T" denotes an amount variable in proportion to time and "V" denotes an amount variable in proportion to value</p> <p><u>SECTION A - PRINCIPAL BUILDING AGREEMENT</u></p> <p><u>Definitions (A1)</u></p> <p>1 Definitions and interpretation (clause 1)</p> <p>F:..... V:..... T:.....</p> <p><u>Objective and Preparation (A2 to A14)</u></p> <p>2 Offer acceptance and performance (clause 2)</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></p> <p></p>	<p></p> <p></p> <p style="text-align: center;">R</p>
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3	<p>Documents (clause 3)</p> <p>F:..... V:..... T:.....</p>	Item		
4	<p>Design responsibility (clause 4)</p> <p>F:..... V:..... T:.....</p>	Item		
5	<p>Employer's agents (clause 5)</p> <p>F:..... V:..... T:.....</p> <p>The principal agent shall:</p> <ul style="list-style-type: none"> <li>- monitor and control progress and scheduling</li> <li>- monitor all contract conditions, and</li> <li>- coordinate the efforts of the employer's agents, the contractor and subcontractors</li> </ul> <p>The powers conferred on the principal agent in terms of this clause and/or the exercising of these powers shall not be construed as removing or diminishing any of the obligations of the Contractor in terms of the Principal Building Agreement, whether financial, contractual or otherwise, nor shall the exercising of these powers create any privity of contract as between the Employer or his agents on the one part and the Contractor or subcontractors or suppliers on the other part</p> <p>The principal agent reserves the right to attend and participate in all contractor/subcontractor's meetings, to invite other employer's agents to attend such meetings at his discretion and to converse and chair any such meetings if the contractor is derelict in his duty in arranging such meetings to the degree of frequency and comprehensiveness dictated in the opinion of the project manager by the circumstances and exigencies of the construction process</p>	Item		
Carried to Collection			R	
<p>Section No. 1 SECTION No. 1: PRELIMINARIES Bill No. 1 PRELIMINARIES</p>				

6	Site representative (clause 6)				
	F:..... V:..... T:.....	Item			
7	Compliance with regulations (clause 7)				
	F:..... V:..... T:.....	Item			
8	Works risk (clause 8)				
	F:..... V:..... T:.....	Item			
9	Indemnities (clause 9)				
	F:..... V:..... T:.....	Item			
10	Works insurances (clause 10)				
	F:..... V:..... T:.....	Item			
11	Liability insurances (clause 11)				
	F:..... V:..... T:.....	Item			
12	Effecting insurance (clause 12)				
	F:..... V:..... T:.....	Item			
13	NO CLAUSE	N/A			
14	Security (clause 14)				
	F:..... V:..... T:.....	Item			
Carried to Collection				R	
Section No. 1					
SECTION No. 1: PRELIMINARIES					
Bill No. 1					
PRELIMINARIES					

	<u>Execution (A15-A23)</u>			
15	Preparation for and execution of the works (clause 15)  F:..... V:..... T:.....	Item		
16	Access to the works (clause 16)  F:..... V:..... T:.....	Item		
17	Contract instructions (clause 17)  F:..... V:..... T:.....	Item		
18	Setting out of the works (clause 18)  F:..... V:..... T:.....  The contractor shall notify the principal agent if any encroachments of adjoining foundations, buildings, structures, pavements, boundaries, etc exist in order that the necessary arrangements may be made for the rectification of any such encroachments	Item		
19	Assignment (clause 19)  F:..... V:..... T:.....  The contractor shall not cede his rights or delegate his obligations in terms of this agreement unless specifically called for by the employer	Item		
20	Nominated subcontractors (clause 20)  F:..... V:..... T:.....	Item		
	Carried to Collection		R	
	Section No. 1 SECTION No. 1: PRELIMINARIES Bill No. 1 PRELIMINARIES			

21	<p>Selected subcontractors (clause 21)</p> <p>F:..... V:..... T:.....</p> <p>Written proof is required from subcontract tenderers at tendering that they can meet the JBCC Selected Subcontract Agreement or other tender agreements and provide security in terms of the agreement. If the above is not provided the tender may not be accepted</p> <p>All amounts allowed under Provisional Amounts are intended to be awarded to Selected Subcontractors</p>	Item			
22	<p>Employer's Direct Contractors (clause 22)</p> <p>F:..... V:..... T:.....</p>	Item			
23	<p>Contractor's Domestic Sub-Contractors (Clause 23)</p> <p>F:..... V:..... T:.....</p> <p><u>Completion (A24-A30)</u></p>	Item			
24	<p>Practical completion (clause 24)</p> <p>F:..... V:..... T:.....</p>	Item			
25	<p>Works completion (clause 25)</p> <p>F:..... V:..... T:.....</p>	Item			
26	<p>Final completion (clause 26)</p> <p>F:..... V:..... T:.....</p>	Item			
27	<p>Latent defects liability period (clause 27)</p> <p>F:..... V:..... T:.....</p>	Item			
Carried to Collection			R		
<p>Section No. 1 SECTION No. 1: PRELIMINARIES Bill No. 1 PRELIMINARIES</p>					

28	Sectional completion (clause 28)  F:..... V:..... T:.....	Item		
29	Revision of date of practical completion (clause 29)  F:..... V:..... T:.....  The removal and replacement of materials and/or workmanship that do not conform to specification or drawings shall not constitute grounds for an extension of the construction period nor for an adjustment to the contract sum (clause 29.3)	Item		
30	Penalty for non-completion (clause 30)  F:..... V:..... T:.....  <u>Payment (A31 - A35)</u>	Item		
31	Interim payment to the contractor (clause 31)  F:..... V:..... T:.....	Item		
32	Adjustment to the contract value (clause 32)  F:..... V:..... T:.....  Where prices are submitted by the contractor or nominated/selected subcontractors during the progress of the works in respect of contract instructions or in regard to a claim under the terms of the 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	Item		
Carried to Collection			R	
Section No. 1 SECTION No. 1: PRELIMINARIES Bill No. 1 PRELIMINARIES				

33	Recovery of expense and loss (clause 33)  F:..... V:..... T:.....	Item		
34	Final account and final payment (clause 34)  F:..... V:..... T:.....  The employer shall not pay any interest on amounts payable to the contractor for one hundred and forty two (142) days after the date of issue of the certificate of practical completion  The employer shall, however, pay interest to the contractor at the rate stipulated in clause 34.11 on any amounts payable to the contractor more than one hundred and forty two (142) days after the date of issue of the certificate of practical completion but only for such period as the settlement of the final account is delayed by the 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	Item		
35	Payment to other parties (clause 35)  F:..... V:..... T:.....  <u>Cancellation (A36-A39)</u>	Item		
36	Cancellation by employer - contractor's default (clause 36)  F:..... V:..... T:.....	Item		
37	Cancellation by employer - loss and damage (clause 37)  F:..... V:..... T:.....	Item		
Carried to Collection			R	
Section No. 1 SECTION No. 1: PRELIMINARIES Bill No. 1 PRELIMINARIES				



38	<p>Cancellation by contractor - employer's default (clause 38)</p> <p>F:..... V:..... T:.....</p>	Item		
39	<p>Cancellation - cessation of the works (clause 39)</p> <p>F:..... V:..... T:.....</p> <p><u>Dispute (A40)</u></p>	Item		
40	<p>Dispute Settlement (clause 40)</p> <p>F:..... V:..... T:.....</p> <p><u>Substitute Provisions (A41)</u></p>	Item		
41	<p>State clauses (Clause 41)</p> <p>F:..... V:..... T:.....</p> <p>Information necessary for the completion of those clauses contained in the schedule which are necessary for tender purposes is given hereunder</p> <p><u>THE SCHEDULE</u></p> <p>Information necessary for completion of those clauses contained in the schedule which are necessary for tender purposes is given hereunder</p>	Item		
42	<p>Pre-tender information (clause 42)</p> <p>F:..... V:..... T:.....</p>	Item		
Carried to Collection			R	
<p>Section No. 1 SECTION No. 1: PRELIMINARIES Bill No. 1 PRELIMINARIES</p>				

**42.1 CONTRACTING AND OTHER PARTIES**

42.1.1 Employer's Agent:

**THE KWAZULU-NATAL DEPARTMENT OF  
COOPERATIVE GOVERNANCE AND TRADITIONA  
AFFAIRS**

Physical Address:

14th Floor Natalia Building  
330 Langalibalele Street  
Pietermaritzburg  
3201

Telephone: (033) 345 6432

42.1.2 Architects and Principal Agents:

Physical Address:

Tel:  
Fax:

42.1.3 Quantity Surveyor:

Physical Address:

Tel:  
Fax:

42.1.4 Civil and Structural Engineers:

Physical Address:

Tel :  
Fax:

Carried to Collection

R

Section No. 1  
SECTION No. 1: PRELIMINARIES  
Bill No. 1  
PRELIMINARIES

42.1.5 Electrical and Mechanical Engineers:

Physical Address:

Tel :

Fax:

**42.2 CONTRACT DETAILS**

42.2.1 Works Description:

42.2.2 Site Description:

42.2.3 Work or installations by direct contractors:

N/A

42.2.4 This agreement is for a government contract  
where there are specific options that are  
applicable to a **State** organ only

Yes

42.2.5 Date on which possession of the site is intended  
to be given:

TBA

42.2.6 Period for the commencement of the works after  
the contractor takes possession

**Five (05) Days**

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

**TBA**

*Penalty Amount*  
*5.00 cents per R100 of the total contract amount*

Carried to Collection

R

Section No. 1  
SECTION No. 1: PRELIMINARIES  
Bill No. 1  
PRELIMINARIES

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

**N/A**

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

*South Africa (country)*

**42.3 INSURANCES**

42.3.1 Contract works insurance to be effected by:

*Contractor:*

*For the Sum of R Contract Amount + 10.00 %*

*With a deductible of - to be determined by the contractor*

42.3.2 Supplementary insurance is required

**No**

42.3.3 Public liability insurance to be effected by:

*Contractor:*

*For the Sum of R 1 000 000-00*

*With a deductible of - to be determined by the contractor*

**42.4 DOCUMENTS**

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

**Yes**

42.4.2 Number of construction document copies to be supplied to the **contractor** free of charge:

**3** Number of

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

"Standard System of Measuring Builders' Work"

Carried to Collection

R

Section No. 1  
SECTION No. 1: PRELIMINARIES  
Bill No. 1  
PRELIMINARIES

-13-

R

-15-

60	Adjustment of preliminaries and general (17 calendar days extension of time)				
	F:..... V:..... T:.....	Item			
61	Works Acceleration				
	F:..... V:..... T:.....	Item			
62	Programme for the works (B4.2)				
	F:..... V:..... T:.....	Item			
63	Progress meetings (B4.3)				
	F:..... V:..... T:.....	Item			
64	Technical meetings (B4.4)				
	F:..... V:..... T:.....	Item			
65	Labour and Plant records (B4.5)				
	F:..... V:..... T:.....	Item			
	<u>Samples, Shop Drawings and Manufacturer's Instructions (B5)</u>				
66	Samples of materials (B5.1)				
	F:..... V:..... T:.....	Item			
67	Workmanship samples (B5.2)				
	F:..... V:..... T:.....	Item			
	Carried to Collection			R	
	Section No. 1 SECTION No. 1: PRELIMINARIES Bill No. 1 PRELIMINARIES				



68	Shop drawings (B5.3) F:..... V:..... T:.....	Item		
69	Compliance with Manufacturer's Instructions (B5.4) F:..... V:..... T:.....	Item		
	<u>Temporary works and plant (B6)</u>			
70	Deposits and fees (B6.1) F:..... V:..... T:.....	Item		
71	Enclosure of the works (B6.2) F:..... V:..... T:.....	Item		
72	Advertising (B6.3) F:..... V:..... T:.....	Item		
73	Plant, equipment, sheds and offices (B6.4) F:..... V:..... T:.....	Item		
74	Main notice board (B6.5) F:..... V:..... T:.....	N/A		
75	Subcontractors' notice board (B6.6) F:..... V:..... T:.....	N/A		
	Carried to Collection		R	
	Section No. 1 SECTION No. 1: PRELIMINARIES Bill No. 1 PRELIMINARIES			

-18-

-19-

89	Protection/isolation of existing/sectionally occupied works (B11.2)				
	F:..... V:..... T:.....	N/A			
90	Security of the Works (B11.3)				
	F:..... V:..... T:.....	Item			
91	Notice before covering work (B11.4)				
	F:..... V:..... T:.....	Item			
92	Disturbance (B11.5)				
	F:..... V:..... T:.....	Item			
93	Environmental Disturbance (B11.6)				
	F:..... V:..... T:.....	Item			
94	Works cleaning and clearing (B11.7)				
	F:..... V:..... T:.....	Item			
95	Vermin (B11.8)				
	F:..... V:..... T:.....	Item			
96	Overhand work (B11.9)				
	F:..... V:..... T:.....	Item			
97	Instruction manuals and guarantees (B11.10)				
	F:..... V:..... T:.....	Item			
Carried to Collection				R	
Section No. 1					
SECTION No. 1: PRELIMINARIES					
Bill No. 1					
PRELIMINARIES					

98	As built information (B11.11)  F:..... V:..... T:.....	Item		
99	Tenant Installations (B11.12)  F:..... V:..... T:.....	Item		
	<u>Schedule of variables (B12)</u>			
100	Pre-tender information (B12.1)  F:..... V:..... T:.....	Item		
	12.1.1 Provisional bills of quantities (B2.2) The quantities are provisional:			No
	12.1.2 Availability of construction documentation (B2.3) Construction documentation is not complete			No
	12.1.3 Interest of agents (B2.4)			
	12.1.4 Defined works area (B3.1)			
	12.1.5 Geotechnical investigation (B3.2)			
	N/A			
	12.1.6 Existing premises occupied (B3.4)			
	12.1.7 Previous work - dimensional accuracy (B3.4)			
	12.1.8 Previous work - defects (B3.5)			
	12.1.9 Services - known (B3.7)			
	Carried to Collection		R	
	Section No. 1 SECTION No. 1: PRELIMINARIES Bill No. 1 PRELIMINARIES			

12.1.10	Protection of trees (B3.9)			
	All trees should be protected and only on instruction of the Principal Agent may any trees be removed			
12.1.11	Inspection of adjoining properties (B3.11)			
12.1.12	Enclosure of the works (B6.2)			
12.1.13	Offices (B6.4.3)			
	An office for the clerck of works should be provided			
12.1.14	Main notice board (B6.5)			
	No			
12.1.15	Subcontractors notice board (B6.6)			
	A notice board is required			
	No			
12.1.16	Water (B7.2)			
	Alternative Selected: A			
12.1.17	Electricity (B7.3)			
	Alternative selected: A			
12.1.18	Telecommunications (B7.4)			
12.1.19	Ablution facilities (B7.5)			
	Alternative selected: A			
12.1.20	Protection of existing/sectionally occupied works (B11.2)			
12.1.21	Special attendance (B9.2)			
	Subcontractor (1) details:			
	N/A			

Carried to Collection

R

Section No. 1  
SECTION No. 1: PRELIMINARIES  
Bill No. 1  
PRELIMINARIES

-23-

103	<p>Proprietary branded products</p> <p>F:..... V:..... T:.....</p>	Item		
104	<p><b>Testing of flat roof waterproofing for watertightness</b></p> <p>Flat roof waterproof areas shall be prepared with small sand dykes around them of a size and enclosing an area approved by the principal agent, flooded with water and kept "ponded" for at least 36 hours as a test to ensure the watertightness of the waterproofing and before any further construction work is carried out above the waterproofing</p> <p>F:..... V:..... T:.....</p> <p>The contractor shall take delivery of, handle, store, use, apply and/or fix all proprietary branded products in strict accordance with the manufacturers' instructions after consultation with the manufacturer's authorised representative</p>	Item		
105	<p>Contract instructions</p> <p>F:..... V:..... T:.....</p> <p>Contract instructions issued on site are to be recorded in triplicate in a contract instruction book which is to be supplied and maintained on site by the contractor</p>	Item		
106	<p>Labour record</p> <p>F:..... V:..... T:.....</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 descriptions of tradesmen and labourers employed by him and all subcontractors on the works each day of that week</p>	Item		
Carried to Collection			R	
<p>Section No. 1 SECTION No. 1: PRELIMINARIES Bill No. 1 PRELIMINARIES</p>				



107	<p>Plant record</p> <p>F:..... V:..... T:.....</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 used on the works each day of that week</p>	Item		
108	<p>Guarantees</p> <p>F:..... V:..... T:.....</p> <p>Where guarantees are called for, the contractor shall obtain a written guarantee, addressed to the employer, from the firm supplying the materials and/or doing the work and shall deliver same to the principal agent on the certified completion of the contract. The guarantee shall state that workmanship, materials and installation are guaranteed for a specified period from the date of certified completion of the contract, and that any defects that may arise during the specified period shall be made good at the expense of the firm supplying the materials and/or doing the work, upon written notice from the principal agent to do so. This guarantee will not be enforced if the work is damaged by defects in the construction of the building in which case the responsibility for replacement shall rest entirely with the contractor. The principal agent shall be the sole judge of the cause responsible for defects in the work and his decision shall be final and binding in terms of clause 40.2 of the agreement</p>	Item		
109	<p>Overtime</p> <p>F:..... V:..... T:.....</p> <p>Should overtime be required to be worked for any reason whatsoever, the costs of such overtime are to be borne by the contractor unless the principal agent has specifically authorised, in writing, prior to execution thereof, that costs for such overtime are to be borne by the employer</p>	Item		
Carried to Collection			R	
<p>Section No. 1 SECTION No. 1: PRELIMINARIES Bill No. 1 PRELIMINARIES</p>				

110	<p>Co-operation of contractor for cost management</p> <p>F:..... V:..... T:.....</p> <p>It is specifically agreed that the contractor accepts the obligation of assisting the professional consultants in implementing proper cost management. The contractor will be advised by the principal agent of all cost management procedures which will be implemented to ensure that the final building cost does not exceed the budget. The quantity surveyor undertakes to make available to the contractor all budgetary allowances and cost assessments/reports to enable the proper procedures to be implemented and the contractor will attend all cost plan review and cost management meetings. The contractor undertakes to extend these procedures in regard to all subcontractors</p>	Item		
111	<p>Occupational Health and Safety Specification</p> <p>F:..... V:..... T:.....</p> <p>Any Principal Contractor entering into a contract with The Developer must achieve an acceptable level of Occupational Health and Safety performance. Refer to "Project Specification" and "Safety, Health and Environmental Evaluation Questionnaire" The contractor to comply with all provisions of the above and to be enforced on all selected and or other sub-contractors, as no claim afterwards will be entertained</p> <p><u>SUMMARY OF CATEGORIES</u></p> <p>Category : Fixed R.....</p> <p>Category : Value R.....</p> <p>Category : Time R.....</p> <p style="text-align: right;">Carried to Collection</p> <p>Section No. 1 SECTION No. 1: PRELIMINARIES Bill No. 1 PRELIMINARIES</p>	Item		<p style="text-align: right;">R</p>

Carried Forward

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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</u> <u>(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 - <a href="http://www.publicworks.gov.za">www.publicworks.gov.za</a>, 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			
	<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 style="text-align: right;">Carried to Collection</p> <p>Section No. 2 SECTION No. 2: COMMUNITY HALL (Including Offices) Bill No. 1 ALTERATIONS TO EXISTING BUILDINGS (PROVISION</p>			<p style="text-align: center;">R</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

R

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

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R

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.

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R

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.

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R

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

R

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

R

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

-37-

R

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>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 - <a href="http://www.publicworks.gov.za">www.publicworks.gov.za</a>, 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>			
8	<p>Roof covering with pitches not exceeding 25 degrees</p> <p><u>ROOF AND WALL INSULATION</u></p>	m <sup>2</sup>	151	
	Carried to Collection			R
	<p>Section No. 2</p> <p>SECTION No. 2: COMMUNITY HALL (Including Offices)</p> <p>Bill No. 2</p> <p>ROOF COVERINGS</p>			

9	<p><u>"Fibreglass" or other approved heavy industrial grade aluminium foil based insulation.</u></p> <p>115mm Thick Insulation laid taut over suspended ceiling (elsewhere), at approximately 1,50m centres in both directions, including taped laps and nylon straining wires</p>	m <sup>2</sup>	151		
	Carried to Collection			R	
	Section No. 2				
	SECTION No. 2: COMMUNITY HALL (Including Offices)				
	Bill No. 2				
	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. 3</u></p> <p><u>CARPENTRY</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 - <a href="http://www.publicworks.gov.za">www.publicworks.gov.za</a>, 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 boardParticle 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, transomes, 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. 3 CARPENTRY &amp; JOINERY</p>			
			R	

	<p><u>Fixing</u></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><u>Decorative laminate finish</u></p> <p>Laminate finish shall be glued under pressure. Edge strips shall be butt jointed at junctions with adjacent similar finish</p> <p><u>ROOFS, ETC</u></p> <p><u>Sawn softwood</u></p>				
10	38 x 114mm Wall plates	m	70		
11	Design, manufacture and deliver on site, plate nailed roof trusses to Community Hall Building 125m2 overall on plan with 600mm eaves overhang, including all necessary purlins, runners, bracing and cross bracing (wall plates elsewhere).	No	1		
	<p><u>ROOF TIMBER</u></p> <p><u>EAVES, VERGES, ETC</u></p> <p><u>"Everite FC77" or other equal and approved pressed fibre-cement</u></p>				
12	12 x 225mm Fascias and barge boards, including aluminium H-profile jointing strips	m	73		
	<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>Solid Core Doors:</u></p>				
	Carried to Collection			R	
	<p>Section No. 2</p> <p>SECTION No. 2: COMMUNITY HALL (Including Offices)</p> <p>Bill No. 3</p> <p>CARPENTRY &amp; JOINERY</p>				

	<u>Solid flush doors with 10 x 40mm concealed hardwood edges, faced both sides with sapele mahogany veneer hung to steel or aluminium frames (elsewhere)</u>			
13	44 mm door size 813 x 2032 mm high	No	12	
14	<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> 44 mm door size 813 x 2032 mm high including 75 x 75 mm splayed weather bar with drip groove fixed on one side	No	2	
	Carried to Collection			R
	Section No. 2			
	SECTION No. 2: COMMUNITY HALL (Including Offices)			
	Bill No. 3			
	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. 4</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 - <a href="http://www.publicworks.gov.za">www.publicworks.gov.za</a>, 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> <p style="text-align: right;">Carried to Collection</p> <p>Section No. 2 SECTION No. 2: COMMUNITY HALL (Including Offices) Bill No. 4 CEILINGS, PARTITIONS &amp; ACCESS FLOORING</p>			
			R	

	<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>				
15	Horizontal ceilings, including 38 x 38mm sawn softwood brandering at 450mm centres	m²	128		
16	Extra over ceiling for opening for 150mm diameter downlighter (provisional)	No	10		
	Carried to Collection			R	
	Section No. 2 SECTION No. 2: COMMUNITY HALL (Including Offices) Bill No. 4 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. 5</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 - <a href="http://www.publicworks.gov.za">www.publicworks.gov.za</a>, 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>			
19	Installation of 4 lever door locks complete	No	12	
	Carried Forward to Summary of Section No.			R
	Section No. 2 SECTION No. 2: COMMUNITY HALL (Including Offices) Bill No. 5 IRONMONGERY			

Item No		Quantity	Rate	Amount R
	<p><u>SECTION No. 2</u></p> <p><u>BUILDING WORKS</u></p> <p><u>BILL No. 6</u></p> <p><u>METALWORK</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 - <a href="http://www.publicworks.gov.za">www.publicworks.gov.za</a>, before pricing this bill</p> <p>2. Unless otherwise stated all items in this bill shall be deemed to fall into Work Group No. 136 for JBCC CPAP purposes</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Descriptions of bolts, anchors, etc</u></p> <p>Descriptions of bolts shall be deemed to include nuts and washers</p> <p>Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete</p> <p>Metalwork described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described</p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic, or metal plugs at not exceeding 600 mm centres</p>			
	Carried to Collection			
	<p>Section No. 2</p> <p>SECTION No. 2: COMMUNITY HALL (Including Offices)</p> <p>Bill No. 6</p> <p>METALWORK</p>			

Aluminium doors, windows etc

Doors and windows shall comply with AAAMSA design criteria

Glazing shall comply with SAGGA regulations. Glass shall be type Shutterprufe laminated performance glass as described in the headings to window and door descriptions. Glass thickness shall comply with SAGGA regulations irrespective of thickness shown on the schedules/drawings

Doors and windows shall be supplied with protective tape and plastic and shall be removed only once surrounding trades have been completed

The following certificates shall be provided prior to commencement of site work:

- 1 A copy of the relevant AAAMSA Performance Test Certificate from the manufacturer/contractor supplying the architectural aluminium product
- 2 A certificate of Conformance confirming that anodising or powder coating has been processed in accordance with SANS 999 and SANS 1796 respectively
- 3 A powder guarantee of not less than 15 years issued by the powder manufacturer. The specific conditions contained in this guarantee shall form part of the powder coating process
- 4 A Certificate of Conformance confirming that glazing has been installed in accordance with SANS 0137, ensuring that safety glazing materials have been installed in the mandatory areas and that each individual pane of safety glazing materials has been permanently marked
- 5 A warranty from the manufacturer of the laminated safety glass and/or hermetically sealed glazing units guaranteeing the products against delamination and colour degradation for a period of not less than five years

DOOR FRAMES, DOORS, WINDOWS ETC

Carried to Collection

R

Section No. 2  
SECTION No. 2: COMMUNITY HALL (Including Offices)  
Bill No. 6  
METALWORK

R

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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. 7</u></p> <p><u>PLASTERING</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 - <a href="http://www.publicworks.gov.za">www.publicworks.gov.za</a>, before pricing this bill</p> <p>2. Unless otherwise stated all items in this bill shall be deemed to fall into Work Group No. 142 for JBCC CPAP purposes</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>GRANOLITHIC</u></p> <p><u>Method</u></p> <p>The method used shall be either the monolithic method or the bonded method</p> <p><u>Preparation</u></p> <p>For granolithic applied monolithically, the concrete floor shall be swept clean after bleeding of the concrete has ceased and the slab has begun to stiffen; any remaining bleed water shall be removed and the granolithic applied immediately thereafter. For granolithic to be bonded to the floor slab after it has hardened, the slab surface shall be hacked (preferably by mechanical means) until all laitance, dirt, oil, etc is dislodged and swept clean of all loose matter. The slab shall then be wetted and kept damp for at least six hours before applying the granolithic</p> <p><u>Mix</u></p> <p>Granolithic shall remain a compressive strength of at</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>PLASTERING</p>			

least 41Mpa. The coarse aggregate shall comply with SANS 1083 and shall generally be capable of passing a 10mm mesh sieve. Where the thickness of the granolithic exceeds 25mm, the size of the coarse aggregate shall be increased to the maximum size compatible with the thickness of the granolithic

Panels

Granolithic shall be laid in panels not exceeding 14m<sup>2</sup> for monolithic finishes, not exceeding 9.5m<sup>2</sup> for bonded finishes and not exceeding 6m<sup>2</sup> for all external granolithic. Wherever possible, panels shall be square but at no time should the length of the panel exceed 1.5 times its width

Where possible joints between panels shall be positioned over joints in the floor slab and shall be positioned over joints in the floor slab and shall be at least 3mm wide through the full thickness of the finish, separated by strips of wood or fibreboard and finished with V-joints

Laying

Monolithic granolithic shall be applied to the partially set slab and thoroughly compacted and lightly wood floated to the required levels

Bonded granolithic shall be applied to the slab after applying a 1:1 sand-and-cement slurry brushed over the surface and allowed to partially set before applying the granolithic. The granolithic shall be thoroughly compacted and lightly wood floated to the required levels

After wood floating, the monolithic and bonded granolithic shall remain undisturbed until bleeding has ceased and the surface has stiffened. Any remaining bleed water and laitance shall then be removed and the surface steel trowelled or power floated

Curing, seasoning and protection

Granolithic shall be covered with clean hessian with waterproof building foil over and kept wet for at least seven days after laying

Colour

Coloured granolithic shall be tinted with an approved

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Section No. 2  
SECTION No. 2: COMMUNITY HALL (Including Offices)  
Bill No. 7  
PLASTERING

R



Section No. 2  
SECTION No. 2: COMMUNITY HALL (Including Offices)  
Bill No. 7  
PLASTERING

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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. 8</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 - <a href="http://www.publicworks.gov.za">www.publicworks.gov.za</a>, 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. 8</p> <p>TILING</p>			

	<u>400 x 400mm white glazed ceramic tiles on cement plaster backing (elsewhere) flush pointed with "Tal-epoxy grout" with movement joints filled with "Thioflex-600" or equal and approved sealant</u>				
23	On walls	m <sup>2</sup>	2		
	<u>FLOOR TILING</u>				
	<u>600 x 600mm x 8mm "RESTRETTA" Matt textured porcelain floor tiles on rapid setting tile adhesive bedding on screed</u>				
24	On Floors and landings	m <sup>2</sup>	128		
25	150mm high porcelain floor tiles fixed to screed with adhesives and flush tinted with waterproof jointing compound.	m			
	<u>SKIRTING</u>				
26	400 x 100 x 10mm Multi Colour Slate skirting tiles on brickwork flush pointed with "Tal-epoxy grout" with joints filled with and including "Thioflex-600" or equal and approved sealant	m	130		
Carried to Collection					R
Section No. 2					
SECTION No. 2: COMMUNITY HALL (Including Offices)					
Bill No. 8					
TILING					

Section No. 2 SECTION No. 2: COMMUNITY HALL (Including Offices) Bill No. 8 TILING <u>COLLECTION PAGE</u>	Page No	Amount R
Total Brought Forward from Page No.	59	
Total Brought Forward from Page No.	60	
Carried Forward to Summary of Section No.		R
Section No. 2 SECTION No. 2: COMMUNITY HALL (Including Offices) Bill No. 8 TILING		

Item No		Quantity	Rate	Amount R
	<p><u>SECTION No. 2</u></p> <p><u>BUILDING WORKS</u></p> <p><u>BILL No. 9</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 - <a href="http://www.publicworks.gov.za">www.publicworks.gov.za</a>, 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. 9 PLUMBING AND DRAINAGE (PROVISIONAL)</p>			
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<p><u>Septic tanks</u></p> <p>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</p> <p><u>Stainless steel basins, sinks, wash troughs, urinals, etc</u></p> <p>Stainless steel for economy basins, domestic sinks and worktops shall be Type 430 (17/0)</p> <p>Stainless steel for urinals, basins, quality sinks, wash troughs, institutional equipment, etc shall be Type 304 (18/8)</p> <p>Stainless steel for laboratory sinks, photographic equipment, etc shall be Type 316 (18/8)</p> <p>Units shall have standard aprons on all exposed edges and tiling keys against walls where applicable</p> <p><u>Sealing of edges</u></p> <p>Outer edges of sinks, basins, baths, urinals, etc are to be sealed against adjacent surfaces with approved silicone</p> <p><u>uPVC pipes and fittings</u></p> <p>Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings</p> <p>Soil, waste and vent pipes and fittings shall be solvent weld jointed or sealed with butyl rubber rings</p> <p><u>uPVC pressure pipes and fittings</u></p> <p>Pipes of 50mm diameter and smaller shall be plain ended with solvent welded uPVC loose sockets and fittings</p> <p>Pipes of 63mm diameter and greater shall have sockets and</p> <p style="text-align: right;">Carried to Collection</p> <p>Section No. 2 SECTION No. 2: COMMUNITY HALL (Including Offices) Bill No. 9 PLUMBING AND DRAINAGE (PROVISIONAL)</p>			
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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

High density polyethylene (HDPE) pipes and fittings

Pipes shall be type IV and of the class specified with "Plasson" or "Alprene" compression fittings

"Polycop" polypropylene pipes

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

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

Copper pipes

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

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

Reducing fittings

Carried to Collection

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Section No. 2  
SECTION No. 2: COMMUNITY HALL (Including Offices)  
Bill No. 9  
PLUMBING AND DRAINAGE (PROVISIONAL)



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. 9  
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 style="text-align: right;">Carried to Collection</p> <p>Section No. 2 SECTION No. 2: COMMUNITY HALL (Including Offices) Bill No. 9 PLUMBING AND DRAINAGE (PROVISIONAL)</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. 10</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 - <a href="http://www.publicworks.gov.za">www.publicworks.gov.za</a>, 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>			
34	Panes exceeding 0.1m <sup>2</sup> and not exceeding 0.5 m <sup>2</sup>	m <sup>2</sup>	22	
35	Mirror 900 x 450mm	No	1	
	Carried Forward to Summary of Section No.			R
	Section No. 2			
	SECTION No. 2: COMMUNITY HALL (Including Offices)			
	Bill No. 10			
	GLAZING			

Item No		Quantity	Rate	Amount R
	<p><u>SECTION No. 2</u></p> <p><u>BUILDING WORKS</u></p> <p><u>BILL No. 11</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 - <a href="http://www.publicworks.gov.za">www.publicworks.gov.za</a>, 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. 11</p> <p>PAINTWORK</p>			

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Carried to Final Summary

-75-

Item No		Quantity	Rate	Amount R
	<u>BILL No. 1</u>			
	<u>PROVISIONAL SUMS &amp; BUDGETRY ALLOWANCES</u>			
	<u>Kitchen Cupboard with Work Top to Community Hall</u>			
1	Allow a provisional amount of R5 500 (Five Thousand Five Hundred Rand) for the installation of Kitchen Cupboards with Worktops to the Community Hall .	Item		5,500.00
2	Add profit on the above item	Item		
3	Add attendance	Item		
	<u>Electrical Reticulation to Community Hall</u>			
4	Allow a provisional amount of R152,100.00 (One Hundred and Fifty Two Thousand One Hundred Rand) for a complete Electrical Reticulation to the Community Hall .	Item		152,100.00
5	Add profit on the above item	Item		
6	Add attendance	Item		
	<u>Drilling of Borehole ,Equip and Install x 10 000L Jojo Tank</u>			
7	Allow a provisional amount of R120 000.00 (R120 000.00) for drilling of borehole ,equip and install 10 000 L JoJo tank an d Tanks Stand.	Item		120,000.00
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	FINAL SUMMARY	Page No		Amount R
1	SECTION No. 1: PRELIMINARIES	28		
2	SECTION No. 2: COMMUNITY HALL (Including Offices)	74		
3	SECTION No. 4: EXTERNAL WORKS (PROVISIONAL)	75		
4	SECTION No. 5: PROVISIONAL SUMS & BUDGETRY ALLOWANCES	76		
	<u>PART A: PRELIMINARIES, COMMUNITY HALL, ABLUTIONS &amp; EXTERNAL WORKS</u>			
	Sub-total (A)		R	
	<u>PART B: CONTINGENCY ALLOWANCE</u>			
	Provide a Contingency Allowance of R47,342.33 (Forty Seven Thousand Three Hundred and Forty Two Rand and Thirty Three 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	