

NAMES OF PARTIES

1. EMPLOYER

Dept. of Sports, Recreation, Arts and Culture

Contact Person

Postal address

Mr. T. Nguta

Wilton Zimasile Mkwayi Building

No. 5 Eales Street

King WilliansTown

Tel: (043) 604-4586

Fax: (086) 654-7114

2.1 PROJECT MANAGER

Dept. of Public Works

Contact Person

Miss. Thandolwethu Mfuku

Residential Address

Postal address

Qhasana Building

Private Bag X0022

Independence Avenue

Bhisho

Bhisho

5605

Eastern Cape

Tel: (040) 602-4539

Fax: N/A

2.2 ARCHITECTS

Dept. of Public Works Contact Person

Mr. Loyiso Gamzana

Residential Address

Postal address

Qhasana Building

Private Bag X0022

Independence Avenue

Bhisho

Bhisho

5605

Eastern Cape

Tel: (040) 602-4182

Fax: N/A

PRELIMINARIES
NAMES OF PARTIES
DPW

2.3 QUANTITY SURVEYORS

Dept. of Public Works

Contact Person

Mr. Yamkela Ndevu

Residential Address
Qhasana Building
Independence Avenue
Bhisho
Eastern Cape

Postal address
Private Bag X0022
Bhisho
5605

Tel: (040) 602-4155

Fax: N/A

2.4 ELECTRICAL ENGINEERS

Dept. of Public Works

Contact Person

Miss Afika Mbase

Residential Address
Qhasana Building
Independence Avenue
Bhisho
Eastern Cape

Postal address
Private Bag X0022
Bhisho
5605

Tel: (040) 602-4182

Fax: (085) 506-0699

2.5 MECHANICAL ENGINEERS

Dept. of Public Works

Contact Person

TBC

Residential Address
Qhasana Building
Independence Avenue
Bhisho
Eastern Cape

Postal address
Private Bag X0022
Bhisho
5605

Tel: (040) 602-4404

Fax: (085) 506-0699

PRELIMINARIES
NAMES OF PARTIES
DPW

1. EXTENT OF CONTRACT

Building contract

The work embodied in the contract comprises construction of a New Library building, consisting of Main Library with kids section, IT section, study area, Staff kitchen, Public and Staff toilet facilities, etc. External works will include a guard house, water storage facility, paving and covered parking area.

The successful tenderer for this contract will be appointed in terms of the Principal Building Agreement.

2. ACQUAINTANCE WITH TENDER DOCUMENTS

By submission of a tender, the contractor shall be deemed to have acquainted himself with the contract documents, local requirements and laws and all aspects of the work envisaged in the documents, prior to pricing and submission of a tender. It is of vital importance that the tenderers visit the site prior to the submission of a tender to study conditions on site.

No claim resulting from failure to comply with any of the above will be entertained.

3. CONTRACT DOCUMENTS

The contract documents shall comprise:

* This tender enquiry document, bills of quantities and its annexures.

4. BILLS OF QUANTITIES

These bills of quantities contain pages numbered consecutively as indicated in the Index. Before the contractor submits his tender he should check the number of pages, and if any are found to be missing or duplicated, or the figures or writing indistinct, or the tender documents contain any obvious errors, he should apply to the quantity surveyors at once and have same rectified as no liability whatsoever will be admitted by the quantity surveyors in respect of errors in a tender due to the foregoing.

On no account should these documents be used for placing orders for materials. The contractor may do so at his own risk but shall not be reimbursed for additional costs so incurred.

Unless a separate rate for the supply and for the installation of any items is specifically called for, the supply and installation costs of any item shall be deemed to be fully included in the unit price.

5. MATERIAL AND LABOUR COST FLUCTUATIONS

Tenders shall be fixed ie inclusive of provision for material and labour cost fluctuations during the course of the works.

PRELIMINARIES
NOTES TO TENDERERS
DPW

6. CONDITIONS TO BE OBSERVED IN TENDERING

- 6.1 Tenders shall include Value Added Tax
- 6.2 The quantity surveyors will notify the tenderers of the tender results
- 6.3 The lowest, or any, or portion of any tender will not necessarily be accepted.
- 6.4 All tenders must be entered on the form provided herein.
- 6.5 All recipients of the tender document (whether they submit a tender or not) must treat the details of the document as private and confidential
- 6.6 The employer will not be responsible for, or pay for, expenses or losses, which may be incurred by any tenderer in the preparation of his tender.
- 6.7 Where possible the Contractor is encouraged to make use of local labour throughout the project.
The labour rate shall be a minimum of **R 180,00 per day.**

7. TENDER INFORMATION

The employer may require additional information from the tenderer in order to evaluate the tender. The tenderer is required to provide such information if so required by the employer.

8. SITE INSPECTION

Tenderers are required to inspect the site before submission of his tender.

The tenderer is also required to familiarise himself before submission of his tender with regard to relevant local site conditions, site accessibility, the nature of operations required, availability of labour and any conditions pertaining thereto, together with conditions relating to unloading, carting and storage of materials, equipment and tools required for the works.

Item No		Quantity	Amount
	<p><u>SECTION 1</u></p> <p><u>PRELIMINARIES</u></p> <p><u>MEANING OF TERMS "TENDER / TENDERER"</u></p> <p>Any reference to the words "Tender" or "Tenderer" herein and/or in any other documentation shall be construed to have the same meaning as the words "Bid" or "Bidder"</p> <p><u>PRELIMINARIES</u></p> <p>The JBCC Preliminaries, May 2018 edition for use with the JBCC Principal Building Agreement Edition 6.2, May 2018 is taken to be incorporated herein. The tenderer is deemed to have referred to these documents for the full intent and meaning of each clause. These clauses are referred to by number and heading only. Where standard clauses or options are not applicable to the contract such modifications or corrections as are necessary are given under each relevant clause. Where an item is not relevant to this specific contract such item is marked. "N/A" signifying "Not Applicable".</p> <p><u>PRICING OF PRELIMINARIES</u></p> <p>Should Option A, as set out in clause B10.3.1 hereinafter be used for the adjustment of preliminaries then each item priced is to be allocated to one or more of the three categories Fixed, Value Related or Time Related and the respective amounts entered in the spaces provided under each item</p> <p>Items not priced in these Preliminaries shall be deemed to be included elsewhere in these Bills of Quantities.</p> <p><u>SECTION A: JBCC PRINCIPAL BUILDING AGREEMENT</u></p> <p><u>DEFINITIONS</u></p>		
1	<p>A1 DEFINITIONS AND INTERPRETATION</p> <p>Clause 1.0</p> <p>Clause 1.1 Definition of "Commencement Date" is added:</p> <p>"COMMENCEMENT DATE" means the date that the agreement, made in terms of the Form of Offer and Acceptance, comes into effect</p>		
	Carried to Collection	R	
	<p>PRELIMINARIES Bill No. 1 PRELIMINARIES DPW</p>		

Clause 1.1 Definition of "**Construction Guarantee**" is amended by replacing it with the following:

"CONSTRUCTION GUARANTEE" means a guarantee at call obtained by the **contractor** from an institution approved by the **employer** in terms of the **employer's** construction guarantee form as selected in the **schedule**

Clause 1.1 Definition of "**Construction Period**" is amended by replacing it with the following:

"CONSTRUCTION PERIOD" means the period commencing on the **commencement date** and ending on the date of **practical completion**

Clause 1.1 Definition of "Corrupt Practice" is added:

"CORRUPT PRACTICE" means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution

Clause 1.1 Definition of "**Fraudulent Practise**" is added:

"FRAUDULENT PRACTICE" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of any tenderer and includes collusive practice among tenderers (prior to or after the tender submission) designed to establish tender prices at artificial non-competitive levels and to deprive the tenderer of the benefits of free and open competition.

Clause 1.1 Definition of "**Interest**" is amended by replacing it with the following:

"INTEREST" means the interest rates applicable on this contract, whether specifically indicated in the relevant clauses or not, will be the rate as determined by the Minister of Finance, from time to time, in terms of section 80(1)(b) of the Public Finance Management Act, 1999 (Act No. 1 of 1999).

Clause 1.1 Definition of "**Principal Agent**" is amended by replacing it with the following:

"PRINCIPAL AGENT" means the person or entity appointed by the **employer** and named in the **schedule**. In the event of a **principal agent** not being appointed, then all duties and obligations of a **principal agent** as detailed in the **agreement** shall be fulfilled by a representative of the **employer** as named in the schedule

Clause 1.1 Definition of "**Security**" is amended by replacing it with the following:

Carried to Collection

PRELIMINARIES
Bill No. 1
PRELIMINARIES
DPW

R

"SECURITY" means the form of security provided by the **employer** or **contractor**, as stated in the **schedule**, from which the **contractor** or **employer** may recover expense or loss

Clause 1.6 is amended by replacing the works "prepaid registered post, telefax or e-mail" with "prepaid registered post or telefax"

Clause 1.6.4 is amended by replacing it with the following:

No clause

Fixed: _____ Value related: _____ Time related: _____

Item

OBJECTIVE AND PREPARATION

2 A2 OFFER, ACCEPTANCE AND PERFORMANCE

Clause 2.0

Fixed: _____ Value related: _____ Time related: _____

Item

3 A3 DOCUMENTS

Clause 3.0

Clause 3.2.1 is amended by replacing "14.1" with "14.0"

Clause 3.7 is amended by the addition of the following:

The **contractor** shall supply and keep a copy of the **JBCC** Series 2000 Principal Building Agreement and Preliminaries applicable to this contract on the **site**, to which the **employer**, **principal agent** and **agents** shall have access at all times

Clause 3.10 is amended by replacing the second reference to "**principal agent**" with the word "**employer**"

Fixed: _____ Value related: _____ Time related: _____

Item

Carried to Collection

R

PRELIMINARIES
 Bill No. 1
 PRELIMINARIES
DPW

4	A4 DESIGN RESPONSIBILITY	<p>Clause 4.0</p> <p>Clause 4.3 is amended by replacing it with the following:</p> <p>No clause</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item	
5	A5 EMPLOYER'S AGENTS	<p>Clause 5.0</p> <p>Clause 5.1.2 is amended to include clauses 32.6.3, 34.3 and 34.4 and 38.5.8</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item	
6	A6 SITE REPRESENTATIVE	<p>Clause 6.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item	
7	A7 COMPLIANCE WITH REGULATIONS	<p>Clause 7.0</p> <p>Note: The provisions herein include <i>inter alia</i>, compliance with <u>all</u> the requirements set out in the Construction Regulations, 2003 issued under the Occupational Health and Safety Act, 1993 (Act No 85 of 1993), and in particular with Regulation 5(1) requiring the compilation of a health and safety plan, as well as Regulation 6(1) requiring the appointment of a construction supervisor</p> <p>See also clause C10 of Section C - Specific Preliminaries</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item	
8	A8 WORKS RISK	<p>Clause 8.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item	
		Carried to Collection	R	
	<p>PRELIMINARIES Bill No. 1 PRELIMINARIES DPW</p>			

9 **A9 INDEMNITIES**

Clause 9.0

Fixed: _____ Value related: _____ Time related: _____

Item

10 **A10 WORKS INSURANCES**

Clause 10.0

Clause 10.0 is amended by the addition of the following clauses:

10.5 Damage to the Works

- (a) Without in any way limiting the **contractor's** obligations in terms of the contract, the **contractor** shall bear the full risk of damage to and/or destruction of the **works** by whatever cause during construction of the **works** and hereby indemnifies and holds harmless the **employer** against any such damage. The **contractor** shall take such precautions and security measures and other steps for the protection and security of the **works** as the **contractor** may deem necessary
- (b) The **contractor** shall at all times proceed immediately to remove or dispose of any debris arising from damage to or destruction of the **works** and to rebuild, restore, replace and/or repair the **works**
- (c) The **employer** shall carry the risk of damage to or destruction of the **works** and material paid for by the **employer** that is the result of the excepted risks as set out in 10.6
- (d) Where the **employer** bears the risk in terms of this contract, the **contractor** shall, if requested to do so, reinstate any damage or destroyed portions of the **works** and the costs of such reinstatement shall be measured and valued in terms of 32.0 hereof

10.6 Injury to Persons or loss of or damage to Properties

- (a) The **contractor** shall be liable for and hereby indemnifies the **employer** against any liability, loss, claim or proceeding whether arising in common law or by statute, consequent upon personal injuries to or the death of any person whomsoever arising out of or in the course of or caused by the execution of the **works** unless due to any act or neglect of any person for whose actions the **employer** is legally liable

Carried to Collection

R

PRELIMINARIES
 Bill No. 1
 PRELIMINARIES
DPW

- (b) The **contractor** shall be liable for and hereby indemnifies the **employer** against any liability, loss, claim or proceeding consequent upon loss of or damage to any moveable or immovable or personal property or property contiguous to the **site**, whether belonging to or under the control of the **employer** or any other body or person, arising out of or in the course of or by reason of the execution of the **works** unless due to any act or neglect of any person for whose actions the **employer** is legally liable

- (c) The **contractor** shall, upon receiving a **contract instruction** from the **principal agent**, cause the same to be made good in a perfect and workmanlike manner at his own cost and in default thereof the **employer** shall be entitled to cause it to be made good and to recover the cost thereof from the **contractor** or to deduct the same from amounts due to the **contractor**

- (d) The **contractor** shall be responsible for the protection and safety of such portions of the premises placed under his control by the **employer** for the purpose of executing the **works** until the issue of the **certificate of practical completion**

- (e) Where the execution of the **works** involves the risk of removal of or interference with support to adjoining properties including land or structures or any structures to be altered or added to, the **contractor** shall obtain adequate insurance and will remain adequately insured or insured to the specific limit stated in the contract against the death of or injury to persons or damage to such property consequent on such removal or interference with the support until such portion of the **works** has been completed

- (f) The **contractor** shall at all times proceed immediately at his own cost to remove or dispose of any debris and to rebuild, restore, replace and/or repair such property and to execute the **works**

10.7 High risk insurance

In the event of the project being executed in a geological area classified as a "High Risk Area", that is an area which is subject to highly unstable subsurface conditions that might result in catastrophic ground movement evident by sinkhole or doline formation the following will apply:

Carried to Collection

PRELIMINARIES
 Bill No. 1
 PRELIMINARIES
DPW

R

10.7.1 Damage to the works

The **contractor** shall, from the commencement **date** of the **works** until the date of the **certificate of practical completion** bear the full risk of and hereby indemnifies and holds harmless the **employer** against any damage to and/or destruction of the **works** consequent upon a catastrophic ground movement as mentioned above. The **contractor** shall take such precautions and security measures and other steps for the protection of the **works** as he may deem necessary

When so instructed to do so by the **principal agent**, the **contractor** shall proceed immediately to remove and/or dispose of any debris arising from damage to or destruction of the **works** and to rebuild, restore, replace and/or repair the **works**, at the **contractor's** own costs

10.7.2 Injury to persons or loss of or damage to property

The **contractor** shall be liable for and hereby indemnifies and holds harmless the **employer** against any liability, loss, claim or proceeding arising at any time during the period of the contract whether arising in common law or by statute, consequent upon personal injuries to or the death of any person whomsoever resulting from, arising out of or caused by a catastrophic ground movement as mentioned above

The **contractor** shall be liable for and hereby indemnifies the **employer** against any and all liability, loss, claim or proceeding consequent upon loss of or damage to any moveable or immovable or personal property or property contiguous to the **site**, whether belonging to or under the control of the **employer** or any other body or person whomsoever arising out of or caused by a catastrophic ground movement, as mentioned above, which occurred during the period of the contract

10.7.3 It is the responsibility of the **contractor** to ensure that he has adequate insurance to cover his risk and liability as mentioned in 10.7.1 and 10.7.2. Without limiting the **contractor's** obligations in terms of the contract, the **contractor** shall, within twenty-one (21) **calendar days** of the **commencement date** but before commencement of the **works**, submit to the **employer** proof of such insurance policy, if requested to do so

Carried to Collection

PRELIMINARIES
Bill No. 1
PRELIMINARIES
DPW

R

10.7.4 The **employer** shall be entitled to recover any and all losses and/or damages of whatever nature suffered or incurred consequent upon the **contractor's** default of his obligations as set out in 10.7.1; 10.7.2 and 10.7.3. Such losses or damages may be recovered from the **contractor** or by deducting the same from any amounts still due under this contract or under any other contract presently or hereafter existing between the **employer** and the **contractor** and for this purpose all these contracts shall be considered one indivisible whole

Fixed: _____ Value related: _____ Time related: _____

Item

11 A11 LIABILITY INSURANCES

Clause 11.0

Fixed: _____ Value related: _____ Time related: _____

Item

12 A12 EFFECTING INSURANCES

Clause 12.0

Fixed: _____ Value related: _____ Time related: _____

Item

13 A13.0 No clause

N/A

14 A14 SECURITY

Clause 14.0

Clauses 14.1 - 14.8 are amended by replacing them with the following:

14.1 In respect of contracts with a **contract sum** up to R1 million, the **security** to be submitted by the **contractor** to the **employer** will be as a payment reduction of five per cent (5%) of the value certified in the **payment certificate** (excluding VAT)

14.1.1 The payment reduction of the value certified in a **payment certificate** shall be *mutatis mutandi* in terms of 31.8(A)

14.1.2 The **employer** shall be entitled to recover expense and loss from the payment reduction in terms of 33.0 provided that the **employer** complies with the provisions of 33.4 in which event the **employer's** entitlement shall take precedence over his obligations to refund the payment reduction security or portions thereof to the **contractor**

Carried to Collection

R

PRELIMINARIES
 Bill No. 1
 PRELIMINARIES
DPW

14.2 In respect of contracts with a **contract sum** above R1 million, the **contractor** shall have the right to select the **security** to be provided in terms of 14.3, 14.4, 14.5, 14.6, or 14.7 as stated in the **schedule**. Such **security** shall be provided to the **employer** within twenty-one (21) **calendar days** from **commencement date**. Should the **contractor** fail to select the **security** to be provided or should the **contractor** fail to provide the **employer** with the selected **security** within twenty-one (21) **calendar days** from **commencement date**, the **security** in terms of 14.7 shall be deemed to have been selected.

14.3 Where **security** as a cash deposit of ten per cent (10%) of the **contract sum** (excluding VAT) has been selected:

14.3.1 The **contractor** shall furnish the **employer** with a cash deposit equal in value to ten per cent (10%) of the **contract sum** (excluding VAT) within twenty-one (21) **calendar days** from **commencement date**

14.3.2 Within twenty-one (21) **calendar days** of the date of **practical completion** of the **works** the **employer** shall reduce the cash deposit to an amount equal to three per cent (3%) of the **contract value** (excluding VAT), and refund the balance to the **contractor**

14.3.3 Within twenty-one (21) **calendar days** of the date of **final completion** of the **works** the **employer** shall reduce the cash deposit to an amount equal to one per cent (1%) of the **contract value** (excluding VAT) and refund the balance to the **contractor**

14.3.4 On the date of payment of the amount in the final **payment certificate**, the **employer** shall refund the remainder of the cash deposit to the **contractor**

14.3.5 The **employer** shall be entitled to recover expense and loss from the cash deposit in terms of 33.0 provided that the **employer** complies with the provisions of 33.4 in which event the **employer's** entitlement shall take precedence over his obligations to refund the cash deposit **security** or portions thereof to the **contractor**

14.3.6 The parties expressly agree that neither the **employer** nor the **contractor** shall be entitled to cede the rights to the deposit to any third party

14.4 Where **security** as a variable **construction guarantee** of ten per cent (10%) of the **contract sum** (excluding VAT) has been selected:

14.4.1 The **contractor** shall furnish the **employer** with an acceptable variable **construction guarantee** equal in value to ten per cent (10%) of the **contract sum** (excluding VAT) within twenty-one (21) **calendar days** from **commencement date**

Carried to Collection

PRELIMINARIES
 Bill No. 1
 PRELIMINARIES
DPW

R

14.4.2 The variable **construction guarantee** shall reduce and expire in terms of the Variable **Construction Guarantee** form included in the invitation to tender

14.4.3 The **employer** shall return the variable construction guarantee to the **contractor** within fourteen (14) **calendar days** of it expiring

14.4.4 Where the **employer** has a right of recovery against the **contractor** in terms of 33.0, the **employer** shall issue a written demand in terms of the variable **construction guarantee**

14.5 Where **security** as a fixed **construction guarantee** of five per cent (5%) of the **contract sum** (excluding VAT) and a five per cent (5%) payment reduction of the value certified in the **payment certificate** (excluding VAT) has been selected:

14.5.1 The **contractor** shall furnish a fixed construction guarantee to the **employer** equal in value to five per cent (5%) of the **contract sum** (excluding VAT)

14.5.2 The fixed **construction guarantee** shall come into force on the date of issue and shall expire on the date of **practical completion**

14.5.3 The **employer** shall return the fixed **construction guarantee** to the **contractor** within fourteen (14) **calendar days** of it expiring

14.5.4 The payment reduction of the value certified in a **payment certificate** shall be in terms of 31.8 (A) and 34.8

14.5.5 Where the **employer** has a right of recovery against the **contractor** in terms of 33.0, the **employer** shall be entitled to issue a written demand in terms of the fixed **construction guarantee** or may recover from the payment reduction or may do both

14.6 Where **security** as a cash deposit of five per cent (5%) of the **contract sum** (excluding VAT) and a payment reduction of five per cent (5%) of the value certified in the **payment certificate** (excluding VAT) has been selected:

14.6.1 The **contractor** shall furnish the **employer** with a cash deposit equal in value to five per cent (5%) of the **contract sum** (excluding VAT) within twenty-one (21) **calendar days** from **commencement date**

14.6.2 Within twenty-one (21) **calendar days** of the date of **practical completion** of the **works** the **employer** shall refund the cash deposit in total to the **contractor**

14.6.3 The payment reduction of the value certified in a **payment certificate** shall be *mutatis mutandi* in terms of 31.8(A)

Carried to Collection

PRELIMINARIES
 Bill No. 1
 PRELIMINARIES
DPW

R

14.6.4 Where the **employer** has a right of recovery against the **contractor** in terms of 33.0, the **employer** may issue a written notice in terms of 33.4 or may recover from the payment reduction or may do both

14.7 Where **security** as a payment reduction of ten per cent (10%) of the value certified in the **payment certificate** (excluding VAT) has been selected:

14.7.1 The payment reduction of the value certified in a **payment certificate** shall be *mutatis mutandi* in terms of 31.8(B)

14.7.2 The **employer** shall be entitled to recover expense and loss from the payment reduction in terms of 33.0 provided that the **employer** complies with the provisions of 33.4 in which event the **employer's** entitlement shall take precedence over his obligations to refund the payment reduction or portions thereof to the **contractor**

14.8 Payments made by the guarantor to the **employer** in terms of the fixed or variable **construction guarantee** shall not prejudice the rights of the **employer** or **contractor** in terms of this **agreement**

14.9 Should the **contractor** fail to furnish the **security** in terms of 14.2, the **employer**, in his sole discretion and without notification to the **contractor**, is entitled to change the **contractor's** selected form of **security** to that of a ten per cent (10%) payment reduction of the value certified in the **payment certificate** (excluding VAT), whereafter 14.7 shall be applicable

Fixed: _____ Value related: _____ Time related: _____

Item

EXECUTION

15 **A15 PREPARATION FOR AND EXECUTION OF THE WORKS**

Clause 15.0

Clause 15.1.1 is amended by replacing it with:

No Clause

Clause 15.1.2 is amended by replacing it with:

The **security** selected in terms of 14.0

Clause 15.1 is amended by the addition of the following clause:

15.1.4 An acceptable health and safety plan, required in terms of the Occupational Health and Safety Act, 1993 (Act 85 of 1993), within twenty-one (21) **calendar days of commencement date**

Carried to Collection

R

PRELIMINARIES
 Bill No. 1
 PRELIMINARIES
DPW

Clause 15.2.1 is amended by replacing it with the following clause:

Give the **contractor** possession of the **site** within ten (10) **working days** of the **contractor** complying with the terms of 15.1.4

Fixed: _____ Value related: _____ Time related: _____

16 A16 ACCESS TO THE WORKS

Clause 16.0

Fixed: _____ Value related: _____ Time related: _____

Item

17 A17 CONTRACT INSTRUCTIONS

Clause 17.0

Clause 17.1.11 is amended by deleting the words "and the appointment of **nominated** and **selected subcontractors**"

Fixed: _____ Value related: _____ Time related: _____

Item

18 A18 SETTING OUT OF THE WORKS

Clause 18.0

Fixed: _____ Value related: _____ Time related: _____

Item

19 A19 ASSIGNMENT

Clause 19.0

Fixed: _____ Value related: _____ Time related: _____

Item

Carried to Collection

R

PRELIMINARIES
Bill No. 1
PRELIMINARIES
DPW

20	A20	<p>NOMINATED SUB-CONTRACTORS</p> <p>Clause 20.0</p> <p>Clause 20.1.3 is amended by replacing it with the following:</p> <p>No Clause</p> <p>Note: See item B9.1 hereinafter for adjustment of attendance on nominated subcontractors executing work allowed for under provisional sums</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item	
21	A21	<p>SELECTED SUBCONTRACTORS</p> <p>Clause 21.0</p> <p>Clause 21 is amended by replacing it with:</p> <p>No Clause</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item	
22	A22	<p>EMPLOYER'S DIRECT CONTRACTORS</p> <p>Clause 22.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item	
23	A23	<p>CONTRACTOR'S DOMESTIC SUBCONTRACTORS</p> <p>Clause 23.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item	
<u>COMPLETION</u>				
24	A24	<p>PRACTICAL COMPLETION</p> <p>Clause 24.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item	
Carried to Collection			R	
<p>PRELIMINARIES Bill No. 1 PRELIMINARIES DPW</p>				

25 **A25 WORK'S COMPLETION**

Clause 25.0

Fixed: _____ Value related: _____ Time related: _____

Item

26 **A26 FINAL COMPLETION**

Clause 26.0

Clause 26.1.2 s amended by inserting "#" next 26.1.2

Fixed: _____ Value related: _____ Time related: _____

Item

27 **A27 LATENT DEFECTS LIABILITY PERIOD**

Clause 27.0

Fixed: _____ Value related: _____ Time related: _____

Item

28 **A28 SECTIONAL COMPLETION**

Clause 28.0

Fixed: _____ Value related: _____ Time related: _____

Item

29 **A29 REVISION OF DATE FOR PRACTICAL COMPLETION**

Clause 29.0

Clause 29.2.5 is amended by replacing it with:

No clause

Fixed: _____ Value related: _____ Time related: _____

Item

30 **A30 PENALTY FOR NON-COMPLETION**

Clause 30.0

Fixed: _____ Value related: _____ Time related: _____

Item

Carried to Collection

R

PRELIMINARIES
 Bill No. 1
 PRELIMINARIES
DPW

31

PAYMENT

A31 INTERIM PAYMENT TO THE CONTRACTOR

Clause 31.0

Clause 31.5.2 is amended by replacing "14.7.1" with "14.0"

Clause 31.8 is amended by replacing it with the following two alternative clauses:

Alternative A

31.8(A) Where a **security** is selected in terms of 14.1; 14.5 or 14.6, the value of the **works** in terms of 31.4.1 and **materials and goods** in terms of 31.4.2 shall be certified in full. The value certified shall be subject to the following percentage adjustments:

31.8(A).1 Ninety-five per cent (95%) of such value in interim **payment certificates** issued up to the date of **practical completion**

31.8(A).2 Ninety-seven per cent (97%) of such value in interim **payment certificates** issued on the date of **practical completion** and up to but excluding the date of **final completion**

31.8(A).3 Ninety-nine per cent (99%) of such value in interim **payment certificates** issued on the date of **final completion** and up to but excluding the final **payment certificate** in terms of 34.6

31.8(A).4 One hundred per cent (100%) of such value in the final **payment certificate** in terms of 34.6 except where the amount certified is in favour of the **employer**. In such an event the payment reduction shall remain at the adjustment level applicable to the final **payment certificate**

Alternative B

31.8(B) Where **security** is a payment reduction in terms of 14.7 the value of the **works** in terms of 31.4.1 and **materials and goods** in terms of 31.4.2 shall be certified in full. The value certified shall be subject to the following percentage adjustments:

31.8(B).1 Ninety per cent (90%) of such value in interim **payment certificates** issued up to the date of **practical completion**

31.8(B).2 Ninety-seven per cent (97%) of such value in interim **payment certificates** issued on the date of **practical completion** and up to but excluding the date of **final completion**

Carried to Collection

R

PRELIMINARIES
Bill No. 1
PRELIMINARIES
DPW

31.8(B).3 Ninety-nine per cent (99%) of such value in interim **payment certificates** issued on the date of **final completion** and up to but excluding the final **payment certificate** in terms of 34.6

31.8(B).4 One hundred per cent (100%) of such value in the final **payment certificate** in terms of 34.6 except where the amount certified is in favour of the **employer**. In such an event the payment reduction shall remain at the adjustment level applicable to the final **payment certificate**

Clause 31.12 is amended by deleting the following:

Payment shall be subject to the **employer** giving the **contractor** a tax invoice for the amount due

Fixed: _____ Value related: _____ Time related: _____

Item

32 A32 ADJUSTMENT TO THE CONTRACT VALUE

Clause 32.0

Clauses 32.5.1, 32.5.4 and 32.5.7 are amended by the addition of the following at the end of the sentence:

"due to no fault of the **contractor**"

Fixed: _____ Value related: _____ Time related: _____

Item

33 A33 RECOVERY OF EXPENSE AND LOSS

Clause 33.0

Fixed: _____ Value related: _____ Time related: _____

Item

Carried to Collection

R

PRELIMINARIES
 Bill No. 1
 PRELIMINARIES
DPW

34 **A34 FINAL ACCOUNT AND FINAL PAYMENT**

Clause 34.0

Clause 34.1 is amended by removing "#" next to 34.1

Clause 34.2 is amended by inserting "#" next to 34.2

Clause 34.8 is amended by deleting the words "where **security** as a fixed **construction guarantee** in terms of 14.4 has been selected or where payment reduction has been applied in terms of 14.7.1"

Clause 34.13 is amended by replacing "seven (7) **calendar days**" with "twenty-one (21) **calendar days**" and deleting the words "subject to the **employer** giving the **contractor** a tax invoice for the amount due"

Fixed: _____ Value related: _____ Time related: _____

Item

35 **A35 PAYMENT TO OTHER PARTIES**

Clause 35.0

Fixed: _____ Value related: _____ Time related: _____

Item

CANCELLATION

A36 CANCELLATION BY EMPLOYER - CONTRACTOR'S DEFAULT

Clause 36.0

Clause 36.1 is amended by the addition of the following clauses:

36.1.3 refuses or neglects to comply strictly with any of he conditions of contract

36.1.4 estate being sequestrated, liquidated or surrendered in terms of the insolvency laws in force within the Republic of South Africa

36.1.5 in the judgement of the **employer**, has engaged in **corrupt** or **fraudulent practices** in competing for or in executing the contract

Clause 36.3 is amended by removing the reference to "No clause" and replacing the words "**principal agent**" with "**employer**"

Clause 36.0 is amended by the addition of the following clause:

Carried to Collection

R

PRELIMINARIES
Bill No. 1
PRELIMINARIES
DPW

	<p>36.7 Notwithstanding any clause to the contrary, on cancellation of this agreement either by the employer or the contractor; or for any reason whatsoever, the contractor shall on written instruction, discontinue with the works on a date stated and withdraw himself from the site. The contractor shall not be entitled to refuse to withdraw from the works on the grounds of any lien or right of retention or on the grounds of any other right whatsoever</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item	
36	<p>A37 CANCELLATION BY EMPLOYER – LOSS AND DAMAGE</p> <p>Clause 37.0</p> <p>Clause 37.0 is amended by the addition of the following clause:</p> <p>Clause 37.3.5 is amended by replacing "ninety (90)" with "one-hundred and twenty (120)"</p> <p>37.5 Notwithstanding any clause to the contrary, on cancellation of this agreement either by the employer or the contractor; or for any reason whatsoever, the contractor shall on written instruction, discontinue with the works on a date stated and withdraw himself from the site. The contractor shall not be entitled to refuse to withdraw from the works on the grounds of any lien or right of retention or on the grounds of any other right whatsoever</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item	
37	<p>A38 CANCELLATION BY CONTRACTOR - EMPLOYER’S DEFAULT</p> <p>Clause 38.0</p> <p>Clause 38.5.4 is amended by replacing "ninety (90)" with "one-hundred and twenty (120)"</p> <p>Clause 38.0 is amended by the addition of the following clause:</p> <p>38.7 Notwithstanding any clause to the contrary, on cancellation of this agreement either by the employer or the contractor; or for any reason whatsoever, the contractor shall on written instruction, discontinue with the works on a date stated and withdraw himself from the site. The contractor shall not be entitled to refuse to withdraw from the works on the grounds of any lien or right of retention or on the grounds of any other right whatsoever</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item	
	<p align="right">Carried to Collection</p> <p>PRELIMINARIES Bill No. 1 PRELIMINARIES DPW</p>	R	

38 **A39 CANCELLATION - CESSATION OF THE WORKS**

Clause 39.0

Clause 39.3.5 is amended by the addition of the following at the end of the sentence: "within one hundred and twenty (120) **working days** of completion of such a report"

Fixed: _____ Value related: _____ Time related: _____

Item

39 **A40 DISPUTE SETTLEMENT**

Clause 40.0

Clause 40.2.2 is amended by replacing "one (1) year" with "three (3) years"

Clause 40.6 is amended by removing the reference to:

No clause

Clause 40.7.1 is amended by replacing "(10)" with "(15)" and by the addition of the following:

Whether or not mediation resolves the dispute, the parties shall bear their own cost concerning the mediation and equally share the costs of the **mediator** and related costs

Fixed: _____ Value related: _____ Time related: _____

Item

SUBSTITUTE PROVISIONS

40 **A41 STATE CLAUSES**

Clause 41.0

Fixed: _____ Value related: _____ Time related: _____

Item

CONTRACT VARIABLES

Carried to Collection

R

PRELIMINARIES
 Bill No. 1
 PRELIMINARIES
DPW

THE SCHEDULE (DPW04EC)

41 **A42 PRE-TENDER INFORMATION**

Clause 42.0

Tenderers are referred to the document C1.2 Contract Data DPW04(EC) for variables pertaining to this contract

Fixed: _____ Value related: _____ Time related: _____

Item

Carried to Collection

R

PRELIMINARIES
Bill No. 1
PRELIMINARIES
DPW

SECTION B: JBCC PRELIMINARIES

B1.0 DEFINITIONS AND INTERPRETATION

42 ***B1.1 Definitions and interpretation***

See also clause A1.0 of Section A for additional and/or amended definitions which shall apply equally to this Section

Fixed: _____ Value related: _____ Time related: _____

Item

B2.0 DOCUMENTS

43 ***B2.1 Checking of documents***

Fixed: _____ Value related: _____ Time related: _____

Item

44 ***B2.2 Provisional bills of quantities***

Fixed: _____ Value related: _____ Time related: _____

Item

45 ***B2.3 Availability of construction documentation***

Fixed: _____ Value related: _____ Time related: _____

Item

46 ***B2.4 Interests of agents***

Fixed: _____ Value related: _____ Time related: _____

Item

47 ***B2.5 Priced documents***

Fixed: _____ Value related: _____ Time related: _____

Item

48 ***B2.6 Tender submission***

Clause 2.6 is amended by replacing "JBCC Form of Tender" with "Form of Offer and Acceptance (DPW07EC)"

Fixed: _____ Value related: _____ Time related: _____

Item

B3.0 THE SITE

49 ***B3.1 Defined works area***

Fixed: _____ Value related: _____ Time related: _____

Item

Carried to Collection

R

PRELIMINARIES
Bill No. 1
PRELIMINARIES
DPW

50	B3.2 Geotechnical investigation		
	Fixed: _____ Value related: _____ Time related: _____	Item	
51	B3.3 Inspection of the site		
	Tenderers shall complete the Site Inspection Certificate (DPW16EC) included in the tender documents and return the same with the tender submission. Fixed: _____ Value related: _____ Time related: _____	Item	
52	B3.4 Existing premises occupied		
	Fixed: _____ Value related: _____ Time related: _____	Item	
53	B3.5 Previous work - dimensional accuracy		
	Fixed: _____ Value related: _____ Time related: _____	Item	
54	B3.6 Previous work - defects		
	Fixed: _____ Value related: _____ Time related: _____	Item	
55	B3.7 Services - known		
	Fixed: _____ Value related: _____ Time related: _____	Item	
56	B3.8 Services - unknown		
	Fixed: _____ Value related: _____ Time related: _____	Item	
57	B3.9 Protection of trees		
	Fixed: _____ Value related: _____ Time related: _____	Item	
58	B3.10 Articles of value		
	Fixed: _____ Value related: _____ Time related: _____	Item	
59	B3.11 Inspection of adjoining properties		
	Fixed: _____ Value related: _____ Time related: _____	Item	

Carried to Collection

R

PRELIMINARIES
 Bill No. 1
 PRELIMINARIES
DPW

<u>B4.0 MANAGEMENT OF CONTRACT</u>		
60	B4.1 Management of the works Fixed: _____ Value related: _____ Time related: _____	Item
61	B4.2 Programme for the works Fixed: _____ Value related: _____ Time related: _____	Item
62	B4.3 Progress meetings Fixed: _____ Value related: _____ Time related: _____	Item
63	B4.4 Technical meetings Fixed: _____ Value related: _____ Time related: _____	Item
64	B4.5 Labour and plant records Fixed: _____ Value related: _____ Time related: _____	Item
<u>B5.0 SAMPLES, SHOP DRAWINGS AND MANUFACTURERS' INSTRUCTIONS</u>		
65	B5.1 Samples of materials Fixed: _____ Value related: _____ Time related: _____	Item
66	B5.2 Workmanship samples Fixed: _____ Value related: _____ Time related: _____	Item
67	B5.3 Shop drawings Fixed: _____ Value related: _____ Time related: _____	Item
68	B5.4 Compliance with manufacturers instruction Fixed: _____ Value related: _____ Time related: _____	Item
<u>B6.0 TEMPORARY WORKS AND PLANT</u>		
69	B6.1 Deposits and fees Fixed: _____ Value related: _____ Time related: _____	Item
Carried to Collection		R
PRELIMINARIES Bill No. 1 PRELIMINARIES DPW		

70	B6.2 Enclosure of the works		
	Fixed: _____ Value related: _____ Time related: _____	Item	
71	B6.3 Advertising		
	Fixed: _____ Value related: _____ Time related: _____	Item	
72	B6.4 Plant, equipment, sheds and offices		
	Fixed: _____ Value related: _____ Time related: _____	Item	
73	B6.5 Main notice board		
	Fixed: _____ Value related: _____ Time related: _____	Item	
74	B6.6 Subcontractors' notice board		
	Fixed: _____ Value related: _____ Time related: _____	Item	
	<u>B7.0 TEMPORARY SERVICES</u>		
75	B7.1 Location		
	Fixed: _____ Value related: _____ Time related: _____	Item	
76	B7.2 Water		
	Fixed: _____ Value related: _____ Time related: _____	Item	
77	B7.3 Electricity		
	Fixed: _____ Value related: _____ Time related: _____	Item	
78	B7.4 Telecommunication facilities		
	Fixed: _____ Value related: _____ Time related: _____	Item	
79	B7.5 Ablution facilities		
	Fixed: _____ Value related: _____ Time related: _____	Item	
	Carried to Collection	R	
	PRELIMINARIES		
	Bill No. 1		
	PRELIMINARIES		
	DPW		

B8.0 PRIME COST AMOUNTS

80 **B8.1 Responsibility for prime cost amounts**

Fixed: _____ Value related: _____ Time related: _____

Item

9.0 ATTENDANCE ON N/S SUBCONTRACTORS

81 **B9.1 General attendance**

Fixed: _____ Value related: _____ Time related: _____

Item

82 **B9.2 Special attendance**

Fixed: _____ Value related: _____ Time related: _____

Item

83 **B9.3 Commissioning - fuel, water and electricity**

Fixed: _____ Value related: _____ Time related: _____

Item

B10. FINANCIAL ASPECTS

84 **B10.1 Statutory taxes, duties and levies**

Fixed: _____ Value related: _____ Time related: _____

Item

85 **B10.2 Payment for preliminaries**

Fixed: _____ Value related: _____ Time related: _____

Item

86 **B10.3 Adjustment of preliminaries**

Clauses B10.3.1 and B10.3.2 are amended by replacing "within fifteen (15) **working days** of taking possession of the **site**" with "in his priced **bills of quantities / lump sum document** submitted with his tender offer"

Fixed: _____ Value related: _____ Time related: _____

Item

87 **B10.4 Payment certificate cash flow**

Fixed: _____ Value related: _____ Time related: _____

Item

Carried to Collection

R

PRELIMINARIES
Bill No. 1
PRELIMINARIES
DPW

<u>B11. GENERAL</u>			
88	<i>B11.1 Protection of the works</i>		
	Fixed: _____ Value related: _____ Time related: _____	Item	
89	<i>B11.2 Protection / isolation of existing / sectionally occupied works</i>		
	Fixed: _____ Value related: _____ Time related: _____	Item	
90	<i>B11.3 Security of the works</i>		
	Fixed: _____ Value related: _____ Time related: _____	Item	
91	<i>B11.4 Notice before covering work</i>		
	Fixed: _____ Value related: _____ Time related: _____	Item	
92	<i>11.5 Disturbance</i>		
	Fixed: _____ Value related: _____ Time related: _____	Item	
93	<i>B11.6 Environmental disturbance</i>		
	Fixed: _____ Value related: _____ Time related: _____	Item	
94	<i>B11.7 Works cleaning and clearing</i>		
	Fixed: _____ Value related: _____ Time related: _____	Item	
95	<i>B11.8 Vermin</i>		
	Fixed: _____ Value related: _____ Time related: _____	Item	
96	<i>B11.9 Overhand work</i>		
	Fixed: _____ Value related: _____ Time related: _____	Item	
97	<i>B11.10 Instruction manuals and guarantees</i>		
	Fixed: _____ Value related: _____ Time related: _____	Item	
98	<i>B11.11 As built information</i>		
	Fixed: _____ Value related: _____ Time related: _____	Item	
	Carried to Collection	R	
	PRELIMINARIES		
	Bill No. 1		
	PRELIMINARIES		
	DPW		

99 **B11.12 Tenant installations**
 Fixed: _____ Value related: _____ Time related: _____

Item

B12. SCHEDULE OF VARIABLES

100 **B12.1 Pre-tender information**
 Fixed: _____ Value related: _____ Time related: _____

Item

This schedule contains all variables referred to in this document and is divided into pretender and post-tender categories. The pre-tender category must be completed in full and included in the tender documents. Both the pre-tender and post-tender categories form part of these Preliminaries.

Spaces requiring information must be filled in, shown as “not applicable” or deleted and not left blank. Where choices are offered, the non-applicable items are to be deleted. Where insufficient space is provided the information should be annexed hereto and cross-referenced to the applicable clause of the schedule. Key cross reference clauses are italicized in [] brackets

12.1 PRE TENDER INFORMATION

12.1.1 Provisional Bills of Quantities

[2.2] The quantities are provisional: *NO*

12.1.2 Availability of construction documentation

[2.3] *Construction of documentation is complete: NO*

12.1.3 Interest of agents

[2.4] Details: To be advised.

12.1.4 Defined works area

[3.1] Details: Ntabankulu, Eastern Cape

12.1.5 Geotechnical investigation

[3.2] Details: NONE

12.1.6 Existing premises occupied

[3.4] Specific requirements: N/A

12.1.7 Previous work - dimensional accuracy

[3.5] Details: N/A

Carried to Collection

R

PRELIMINARIES
 Bill No. 1
 PRELIMINARIES
DPW

12.1.8 **Previous work - defects**
[3.6] Details: N/A

12.1.9 **Services - known**
[3.7] Details:

*Should the **contractor** encounter any existing services such as underground cables, pipes or sewer during the execution of the **works** he shall notify the **principal agent** immediately and suspend all affected work in the immediate vicinity until instruction to proceed has been given by the **principal agent**.*

12.1.10 **Protection of trees**
[3.9] Specific requirements:

All trees on the site outside of the position of the proposed structure must be protected.

12.1.11 Inspection of adjoining properties[3.11] Specific requirements: The contractor must inspect adjoining properties and immediately bring to the notice of the Principal Agent of any consequences that may arise from the building works.

12.1.12 **Enclosure of the works**
[6.2] Specific requirements:

The contractor shall enclose the works as required by the Occupational Health and Safety Act.

12.1.13 **Offices**
[6.4.3] Specific requirements:

The **contractor** shall provide, maintain and remove on completion of the works an office for the exclusive use of the **principal agent**, minimum size 4 x 3 x 3m high internally, suitably insulated and ventilated, provided with electric lighting and fitted with boarded floor, desk, chairs, drawing stool, drawing board and lock-up drawers for drawings. The office shall be kept clean and fit for use at all times.

Carried to Collection

R

PRELIMINARIES
Bill No. 1
PRELIMINARIES
DPW

12.1.14 Main notice board

[6.5] Specific requirements:

The contractor shall provide, erect where directed, maintain and remove on completion of the works a notice board size 3000 x 3420mm constructed of suitable boarding with flat smooth surface and with edging bead 40mm thick all round.

The board shall be securely fixed to hoarding where hoarding is provided, or fixed to and including a suitable supporting structure of timber or tubular posts and braces. The board is to be painted EPWP "orange" with 40mm wide white dividing lines. All wording shall be inscribed in black painted sans serif lettering. (Proof to be sent to Department of Public Works for Attention Mr. Charles van der Westhuizen at 040 - 6094414).

Sub-contractor's individual boards will be allowed on the site subject to the written approval of the Representative/Agent.

12.1.15 **Subcontractors' notice board**

[6.6] Specific requirements: *NO*

12.1.16 **Water**

[7.2] Option A (by contractor) (YES)

Option B (by employer - free of charge when available) (NO)

Option C (by employer - metered) (NO)

12.1.17 **Electricity**

[7.3] Option A (by contractor) (YES)

Option B (by employer - free of charge when available) (NO)

Option C (by employer - metered) (NO)

12.1.18 **Telecommunications**

[7.4] Telephone (YES)

Facsimile (NO)

E-mail (NO)

Carried to Collection

R

PRELIMINARIES
 Bill No. 1
 PRELIMINARIES
DPW

<p>12.1.19 Ablution facilities [7.5] <u>Option A (by contractor)</u> (YES)</p> <p style="padding-left: 40px;">Option B (by employer) (NO)</p> <p>12.1.20 Protection of existing/sectionally occupied works [11.2] Protection is required (Only when existing buildings)</p> <p>12.1.21 Special attendance [9.2] Electrical sub-contractor (1) details: Site Meetings</p> <p>12.1.22 Protection of works [11.1] Specific requirements: <p style="padding-left: 40px;">The contractor shall protect the works for the duration of the contract.</p> </p> <p>12.1.23 Disturbance [11.5] Specific requirements: <p style="padding-left: 40px;">The contractor shall keep the site, structures, etc well watered during operations to prevent dust and shall provide and erect and remove on completion of the works all necessary temporary dust screens all to the satisfaction of the principal agent</p> </p> <p>12.1.24 Environmental disturbance [11.6] Specific requirements: None</p>		
12.2 POST-TENDER INFORMATION		
<p>12.2.1 Payment of preliminaries [10.2] Option A (prorated) (NO)</p> <p style="padding-left: 40px;">Option B (calculates) (YES)</p> <p>12.2.2 Adjustment of preliminaries [10.3] Option A (three categories) (YES)</p> <p style="padding-left: 40px;">Option B (detailed breakdown) (YES)</p>		
Carried to Collection		R
PRELIMINARIES Bill No. 1 PRELIMINARIES DPW		

12.2.3 **Additional agreed preliminaries items**
Details: **EPWP** requirements as per form C3.5 of the tender documentation.

Carried to Collection

R

PRELIMINARIES
Bill No. 1
PRELIMINARIES
DPW

SCHEDULE OF SUPPLEMENTARY INFORMATION

NOTE:

The information listed below is in respect of certain clauses in the Preliminaries, requiring the supplementary information

Amount of insurance against injury to person or property in respect of any single occurrence **R 5 million**

Amount of insurance against removal of support to adjoining properties in respect of any single occurrence

Not specifically prescribed

Contract Price Adjustment Provisions (CPAP):Contract Price Adjustment is Applicable.

Contract period -
18 (Eighteen) months

The date for site handover :- TBA

Amount of penalty per day on which the completion of the works may be in arrear:

R2.25 per R100 of contract value per day (Excluding VAT)

Contract drawing numbers:

Specification of materials and methods to be used:
Specification of Materials and Methods to be used - **PW 371, Fourth Revision, October 1993**

Edition of Standard System of measuring building work:
Sixth Edition including the latest amendments

SECTION C: SPECIFIC PRELIMINARIES

Section C contains specific preliminary items which apply to this contract except where N/A (Not Applicable) appears against an item

Carried to Collection

R

PRELIMINARIES
Bill No. 1
PRELIMINARIES
DPW

101 **C1 CONTRACT DRAWINGS**

The drawings issued with the tender documents do not comprise the complete set but serve as a guide only for tendering purposes and for indicating the scope of the work to enable the tenderer to acquaint himself with the nature and extent of the **works** and the manner in which they are to be executed

Should any part of the drawings not be clearly intelligible to the tenderer he shall, before submitting his tender, obtain clarification in writing from the **principal agent**

Fixed: _____ Value related: _____ Time related: _____

Item

102 **C2 GENERAL PREAMBLES**

The document "Specification of Materials and Methods to be used (PW371)" is obtainable on request from the head office and all regional offices of the Department, and shall be read in conjunction with the **bills of quantities** and be referred to for the full descriptions of work to be done and materials to be used

Fixed: _____ Value related: _____ Time related: _____

Item

103 **C3 TRADE NAMES**

Wherever a trade name for any product has been described in the **bills of quantities**, the tenderer's attention is drawn to the fact that any other product of equal quality may be used.

If prior written approval for an alternative product is not obtained, the product described shall be deemed to have been tendered for

Fixed: _____ Value related: _____ Time related: _____

Item

Carried to Collection

R

PRELIMINARIES
 Bill No. 1
 PRELIMINARIES
DPW

104	C4	<p>IMPORTED MATERIALS AND EQUIPMENT</p> <p>Where imported items are listed in the tender documents, the tenderer shall provide all the information called for, failing which the price of any such item, materials or equipment shall be excluded from currency fluctuations. (refer to Schedule of Imported Materials and Equipment (DPW23EC) to be completed by tenderer)</p> <p>Notwithstanding any provisions elsewhere regarding the adjustment of contract prices, the price of any item, material or equipment listed in terms of this clause shall be excluded from the Contract Price Adjustment Provisions (if applicable)</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item	
105	C5	<p>VIEWING THE SITE IN SECURITY AREAS</p> <p>The site is situated in a security area and the tenderer must arrange with the unit commander or other responsible officer to obtain permission to enter the site for tendering purposes</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item	
106	C6	<p>COMMENCEMENT OF WORKS IN SECURITY AREAS</p> <p>As the works falls within a security area the contractor must give the unit commander or other responsible officer notice before commencement of the works. Should the contractor fail to make such arrangements, admission to the site may be refused and any additional costs will be for the contractor's account</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item	
107	C7	<p>ENTRANCE PERMITS TO SECURITY AREAS</p> <p>As the works falls within a security area the contractor shall obtain entrance permits for his personnel and workmen entering the area and shall comply with all regulations and instructions which may be issued from time to time regarding the protection of persons and property under the control of the Defence Force, Police or chief security officer</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item	
		Carried to Collection	R	
		PRELIMINARIES Bill No. 1 PRELIMINARIES DPW		

108 **C8 SECURITY CHECK OF PERSONNEL**

The **principal agent** may require the **contractor** to have his personnel and workmen, or a certain number of them, security classified

In the event of the **principal agent** requesting the removal of a person or persons from the **works** for security reasons, the **contractor** shall do so forthwith and shall thereafter ensure that such person or persons are denied access to the **works** and the **site** and/or to any document or information relating to the **works**

Fixed: _____ Value related: _____ Time related: _____

Item

109 **C9 PROHIBITION ON TAKING OF PHOTOGRAPHS**

In terms of article 119 of the defence Act, 44 of 1957, it is prohibited to sketch or to take photographs of any military site or installation or any building or civil works thereon or to be in possession of a camera or other apparatus used for taking of photographs except when authorized thereto by or on behalf of the Minister

The same prohibition is also applicable to all correctional institutions in terms of article 44.1(e) of the Correctional Services Act 8 of 1959

Fixed: _____ Value related: _____ Time related: _____

Item

Carried to Collection

R

PRELIMINARIES
 Bill No. 1
 PRELIMINARIES
DPW

C10 HIV/AIDS AWARENESS

It is required of the **contractor** to thoroughly study the HIV/AIDS Specification (PW 1544) of the Department that must be read together with and is deemed to be incorporated under this Section of the **Bills of Quantities**. Provision for pricing of HIV/AIDS awareness is made under items C10.1 to C10.5 hereafter and it is explicitly pointed out that all requirements of the aforementioned specification are deemed to be priced hereunder, as the said items represent the only method of measurement and no additional items or extras to the contract in this regard shall be entertained

The **contractor** must take note that compliance with the HIV/AIDS Specification is compulsory. In the event of partial or total non-compliance, the **principal agent**, notwithstanding the provisions of Clause A 31 of "Section 1: Preliminaries (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

110 **C10.1 AWARENESS CHAMPION**

Selection, appointment, briefing and making available of an Awareness Champion including provision of all relevant services, all in accordance with the HIV/AIDS Specification

Fixed: _____ Value related: _____ Time related: _____

Item

111 **C10.2 AWARENESS WORKSHOPS**

Selection and appointment of a competent Service Provider approved by the **principal agent**, provision of a Service Provider Workshop Plan and a suitable venue, onducting of awareness workshops by means of traditional and/or modern multi-media techniques, including follow-up courses, making available all tuition material and performing assessment procedures, all in accordance with the HIV/AIDS Specification

Fixed: _____ Value related: _____ Time related: _____

Item

Carried to Collection

R

PRELIMINARIES
 Bill No. 1
 PRELIMINARIES
DPW

112	C10.3 POSTERS, BOOKLETS, VIDEOS, ETC.	<p>Provision, displaying, maintaining and replacing when necessary of four plastic laminated posters, booklets and educational videos, etc. for the duration of the construction period, all in accordance with the HIV/AIDS Specification</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item	
113	C10.4 ACCESS TO CONDOMS	<p>Provision and maintenance of condom dispensers fixed in position, including male and female condoms, replenishing male and female condoms on a daily basis as required for the duration of the construction period, all in accordance with the HIV/AIDS Specification</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item	
114	C10.5 MONITORING	<p>Monitoring HIV/AIDS awareness of workers, providing the principal agent with access to information including making available all reports, thoroughly completed and reflecting the correct information, for the duration of the construction period and close out, all in accordance with the HIV/AIDS Specification</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item	
	C11 LABOUR-INTENSIVE WORKS	<p>Those parts of the contract to be constructed using labour-intensive methods have been marked in the bill of quantities with the letters LI in a separate column filled in against every item so designated. The works, or parts of the works so designated are to be constructed using labour-intensive methods only. The use of plant to provide such works, other than plant specifically provided for in the scope of work, is a variation to the contract. The items marked with the letters LI are not necessarily an exhaustive list of all the activities which must be done by hand, and this clause does not over-ride any of the requirements in the generic labour intensive specification in the Scope of Works.</p>		
		Carried to Collection	R	
	PRELIMINARIES Bill No. 1 PRELIMINARIES DPW			

115 **C11.1 LABOUR INTENSIVE**

Payment for items which are designated to be constructed labour-intensively (either in this schedule or in the Scope of Works) will not be made unless they are constructed using labour-intensive methods. Any unauthorised use of plant to carry out work which was to be done labour-intensively will not be condoned and any works so constructed will not be certified for payment.

Fixed: _____ Value related: _____ Time related: _____

Item

Carried to Collection

R

PRELIMINARIES
Bill No. 1
PRELIMINARIES
DPW

Section No. 1

Bill No. 1

PRELIMINARIES

COLLECTION

Total Brought Forward from Page No.

Page
No

Amount

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

Carried Forward

R

PRELIMINARIES
Bill No. 1
PRELIMINARIES
DPW

Section No. 1

Bill No. 1

PRELIMINARIES

COLLECTION

Brought Forward

Page
No

Amount

R

Total Brought Forward from Page No.

25

26

27

28

29

30

31

32

33

34

35

36

37

38

39

40

41

42

Carried to Final Summary

R

PRELIMINARIES

Bill No. 1

PRELIMINARIES

DPW

Item No	Labour Ref		Unit	Quantity	Rate	Amount
	SANS 1200	<u>SECTION NO. 2</u>				
	SANS 1200	<u>BILL NO. 1</u>				
		<u>EARTHWORKS (PROVISIONAL)</u>				
		The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.				
		<u>SUPPLEMENTARY PREAMBLES</u>				
		<u>Proprietary products in descriptions:</u>				
		Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.				
		<u>Nature of material to be excavated:</u>				
		The material to be excavated is assumed to be predominantly of a composition that will allow excavation in "earth" as specified, but including a percentage of excavation in "soft rock" and "hard rock".				
		<u>Carting away of excavated material:</u>				
		Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations, or alternatively, from stock piles situated on the building site.				
		Carried to Collection				R
		MAIN LIBRARY Bill No. 1 EARTHWORKS (PROVISIONAL) DPW				

		<p><u>Dewatering of excavations:</u></p> <p>The Contractor shall allow for removing seepage and other water from subterranean sources from the excavations by pumping, baling or otherwise. Accurate records of all such dewatering shall be kept to determine the total volume of water so removed and a clear distinction shall be made between water from subterranean sources and other water</p> <p><u>Density testing on filling:</u></p> <p>Rates for filling, etc. shall include for all density and soil type testing to prove that the specified compaction is achieved. When additional testing is done on instruction of the Principal Agent and these tests are successful, they will be paid for additionally.</p> <p><u>Imported fill:</u></p> <p>"Filling and bedding to trenches etc. to be in compliance with SABS 1200 DB and LB respectively"</p> <p><u>SITE CLEARANCE</u></p> <p><u>Site clearance etc:</u></p>			
1		<p>Digging up and removing rubbish, debris, vegetation. hedges, shrubs, bush, etc and trees not exceeding 200mm girth</p>	m2	3 517	
2	SANS 1200	<p>Stripping average 200mm thick layer of top soil and depositing material in prescribed stockpiles on site</p>	m2	3 517	
		<p><u>BULK EXCAVATION, FILLING, ETC (PROVISIONAL)</u></p>			
		<p>Carried to Collection</p>			R
		<p>MAIN LIBRARY Bill No. 1 EARTHWORKS (PROVISIONAL) DPW</p>			

	SANS 1200	<u>Open face excavation in earth over sloping site</u>			
3	SANS 1200	Open face excavation	m3	5 276	
		<u>Excavation in earth for basement not exceeding 2m deep</u>			
4		Basements	m3	1 549	
		<u>Excavation in earth not exceeding 2m deep:</u>			
5		Trenches. (LI)	m3	845	
6	SANS 1200	Holes. (LI)	m3	20	
		<u>Extra over all excavations for carting away:</u>			
7		Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor.	m3	6 978	
		<u>Risk of collapse of excavations:</u>			
8		Sides of trench and hole excavations not exceeding 1,5m deep.	m2	1 022	
		<u>Keeping excavations free of water:</u>			
9		Keeping excavations free from mud and all water including subterranean sources.		Item	
		<u>Extra over trench and hole excavations in earth for excavation in:</u>			
10		Soft rock.	m3	46	
11		Hard rock.	m3	23	
		<u>FILLING, ETC.</u>			
		Carried to Collection			
		MAIN LIBRARY Bill No. 1 EARTHWORKS (PROVISIONAL) DPW			R

12	<p><u>Earth filling obtained from the excavations and / or prescribed stock piles on site compacted to 93% Mod. AASHTO density:</u></p> <p>Backfilling to trenches, holes, etc.</p>	m3	707	
13	<p><u>Imported natural G7 Gravel compacted to 95% Mod AASHTO density in maximum 150mm thick layers at optimum moisture content:</u></p> <p>Under floors, steps, pavings, etc.</p>	m3	6 208	
14	<p><u>Imported natural G5 Gravel compacted to 95% Mod AASHTO density in maximum 150mm thick layers at optimum moisture content:</u></p> <p>Under floors, steps, pavings, etc.</p>	m3	6 208	
15	<p><u>150mm insitu material, supplied and carted onto the site by the Contractor, compacted to 90% modified AASHTO under solid floors. (LI)</u></p> <p>Under floors, steps, pavings, etc.</p>	m3	6 208	
16	<p><u>Compaction of surfaces:</u></p> <p>Compaction of ground surface under floors etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 98% Mod AASHTO density.</p>	m2	765	
17	<p><u>Prescribed density tests on filling:</u></p> <p>Allow for compaction tests by an approved laboratory to determine density of filling material.</p>	No	15	
	<p><u>SOIL POISONING</u></p>			
	<p>Carried to Collection</p>			R
	<p>MAIN LIBRARY Bill No. 1 EARTHWORKS (PROVISIONAL) DPW</p>			

18

Approved brand of anti-termite soil poison applied by a Registered Pest Control Company and guaranteed against termite infestation for ten years:

Treat filling under concrete beds with 'Chlordane Heptachlor Aldrin' or equal approved.

m2

765

Carried to Collection

MAIN LIBRARY
Bill No. 1
EARTHWORKS (PROVISIONAL)
DPW

R

Section No. 2 Bill No. 1 EARTHWORKS (PROVISIONAL) <u>COLLECTION</u>	Page No	Amount
Total Brought Forward from Page No.	45	-----
	46	-----
	47	-----
	48	-----
	49	-----
Carried Forward to Summary of Section No. 2		R
MAIN LIBRARY Bill No. 1 EARTHWORKS (PROVISIONAL) DPW		

Item No	Labour Ref		Unit	Quantity	Rate	Amount
	SANS 1200	<u>SECTION 2</u>				
	SANS 1200	<u>BILL NO. 2</u>				
		<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>				
		The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.				
		<u>SUPPLEMENTARY PREAMBLES</u>				
		<u>Proprietary products in descriptions:</u>				
		Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.				
		<u>Cost of tests:</u>				
		The costs of making, storing and testing of concrete test cubes as required under clause 7 'Tests' of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the Architect. The testing shall be undertaken by an independent firm or institution nominated by the Contractor to the approval of the Architect. (Test cubes are measured separately).				
		Carried to Collection				
		MAIN LIBRARY Bill No. 2 CONCRETE FORMWORK AND REINFO DPW				R

1	LI	<p><u>Formwork:</u></p> <p>Descriptions of formwork shall be deemed to include use and waste only (except where described as left in or permanent), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use.</p> <p>The vertical strutting shall be carried down to such construction as is sufficiently strong to afford the required support without damage and shall remain in position until the newly constructed work is able to support itself.</p> <p>Formwork to soffits of solid slabs etc., shall be deemed to be to slabs not exceeding 250mm thick unless otherwise described.</p> <p>Formwork to sides of bases, pile caps, ground beams, etc., will only be measured where it is prescribed by the Engineer for design reasons. Formwork necessitated by irregularity or collapse of excavated faces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavations, provision for which is made in Earthworks.</p> <p><u>UNREINFORCED CONCRETE</u></p> <p><u>10MPa/19mm concrete:</u></p> <p>Surface blinding under footings and bases</p> <p><u>REINFORCED CONCRETE</u></p>	m3	2	
		Carried to Collection			R
		<p>MAIN LIBRARY Bill No. 2 CONCRETE FORMWORK AND REINFO DPW</p>			

LI	<u>25MPa/19mm concrete:</u>			
2	Strip footing.	m3	5.8	
3	SANS 1200 Bases	m3	2	
4	Surface bed	m3	5	
	SANS 1200 <u>30Mpa/19mm concrete</u>			
5	SANS 1200 Beams	m3	1	
	<u>CONCRETE TESTS</u>			
	<u>Test blocks:</u>			
6	Making and testing set of three 150x150x150mm concrete strength test cubes (Provisional).	No	12	
	<u>CONCRETE SUNDRIES</u>			
	<u>Finishing top surfaces of concrete smooth with a power float</u>			
7	Surface beds, slabs, etc	m2	32	
	<u>Finishing top surfaces of concrete smooth with a wood float including non-slip brush finish</u>			
8	Surface beds, slabs, etc	m2	32	
	<u>ROUGH FORMWORK (DEGREE OF ACCURACY III) (CPAP Work Group No 111)</u>			
	<u>Rough Formwork to Sides:</u>			
9	Bases (Provisional)	m2	3	
	<u>SMOOTH FORMWORK (DEGREE OF ACCURACY I)</u>			
	Carried to Collection			
	MAIN LIBRARY Bill No. 2 CONCRETE FORMWORK AND REINFO DPW			R

10	SANS 1200	<p><u>Smooth formwork to sides and soffits:</u></p> <p>Beams propped up to a height not exceeding 2.5m high</p>	m2	62	
11		<p><u>MOVEMENT JOINTS ETC</u></p> <p><u>Two layers of 375 micron "Consol Plastic Brickgrip DPC" in slip joints between horizontal concrete and brick surfaces, including cement mortar bed</u></p> <p>Not exceeding 300mm wide</p>	m	20	
12		<p><u>"Sondor" or similar approved expansion joints with "Jointex" softbaord between concrete and brick surfaces</u></p> <p>10mm Vertical isolation joints not exceeding 300mm high with 10mm pull out strip to surface beds</p>	m	20	
13		<p><u>REINFORCEMENT (PROVISIONAL)</u></p> <p><u>Fabric reinforcement:</u></p> <p>REF. 311 fabric reinforcement in concrete surface beds, slabs, etc.</p>	m2	32	
14		<p><u>Mild steel reinforcement to structural concrete work</u></p> <p>10mm Diameter Bars</p>	t	8.80	
15		<p>8mm Diameter bars</p>	t	20.00	
16		<p><u>High tensile steel reinforcement to structural concrete work</u></p> <p>16mm Diameter bars</p>	t	9.50	
17		<p>12mm Diameter bars</p>	t	8.50	
18		<p>10mm Diameter bars</p>	t	5.50	
Carried to Collection					R
<p>MAIN LIBRARY Bill No. 2 CONCRETE FORMWORK AND REINFO DPW</p>					

Section No. 2 Bill No. 2 CONCRETE FORMWORK AND REINFORCEMENT <u>COLLECTION</u> Total Brought Forward from Page No.	Page No 51 52 53 54	Amount <hr style="border-top: 1px dashed black;"/> <hr style="border-top: 1px dashed black;"/> <hr style="border-top: 1px dashed black;"/> <hr style="border-top: 1px dashed black;"/>
Carried Forward to Summary of Section No. 2		R
MAIN LIBRARY Bill No. 2 CONCRETE FORMWORK AND REINFO DPW		

Item No	Labour Ref		Unit	Quantity	Rate	Amount
	SANS 1200	<u>SECTION NO. 2</u>				
	SANS 1200	<u>BILL NO. 3</u>				
		<u>MASONRY</u>				
		The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.				
		<u>SUPPLEMENTARY PREAMBLES</u>				
		<u>Proprietary products in descriptions:</u>				
		Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.				
		<u>Sizes in descriptions:</u>				
		Where sizes in descriptions are given in brick units, 'one brick' shall represent the length and 'half brick' the width of a brick.				
		<u>Face bricks:</u>				
		Bricks shall be ordered timeously to obtain uniformity in size and colour.				
		Carried to Collection				
		MAIN LIBRARY Bill No. 3 MASONARY DPW				R

		<p><u>Pointing:</u></p> <p>Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc.</p> <p><u>Samples, etc:</u></p> <p>Rates for brickwork, faced brickwork, etc shall include for all required samples.</p> <p><u>BRICKWORK IN FOUNDATIONS (PROVISIONAL)</u></p> <p><u>Brickwork of "Corobrik or similar approved" NFX burnt clay bricks (14 MPa nominal compressive strength) in class I mortar.</u></p>			
1	SANS 1200	One brick walls	m2	43	
		<p><u>BRICKWORK IN SUPERSTRUCTURE</u></p> <p><u>Brickwork of "Corobrik or similar approved" NFX burnt clay bricks (14 MPa nominal compressive strength) in class I mortar</u></p>			
2		Half brick walls.	m2	9	
3	SANS 1200	One brick walls	m2	17	
4	SANS 1200	One brick walls in fire wall	m2	5	
5		270mm Hollow walls of two half brick skins including wire ties	m2	52	
6		270mm Hollow walls of two half brick skins in beamfilling including wire ties.	m2	2	
		<p><u>BRICKWORK SUNDRIES</u></p>			
		Carried to Collection			R
		<p>MAIN LIBRARY Bill No. 3 MASONARY DPW</p>			

	<u>Builders work in connection with services in Brick walls (form hole including making good).</u>			
7	Holes for pipes, ducts, etc n.e 0.1m2 (LI)	No	10	
	<u>Miscellaneous</u>			
8	Splayed mortar fillet one course high in 50mm cavity	m	6	
9	Closing 50mm cavity of hollow wall vertically with brickwork half brick wide	m	28	
10	Closing 50mm cavity of hollow wall horizontally with one course of brickwork	m	14	
LI	<u>Bagging and sealing the outer face of the inner skin of walls with 1:3 cement and sand mixture and seal with two coats "Brixeal" bitumen emulsion waterproofing coating:</u>			
11	To walls (provisional).	m2	68	
	<u>Joint forming material in movement joints:</u>			
12	10mm Jointex filler 220mm wide with tear-off strip seal 10 x 10 with Sikaflex Pro 2HP between brick skins, concrete, etc (Provisional).	m	128	
13	35mm Expanded polystyrene (density 33kg per m3) built in vertically between brick skins	m2	810	
14	35mm Expanded polystyrene (density 33kg per m3) 110mm wide with one tear-off strip, built in vertically through brick walls.	m	172	
LI	<u>Brickwork reinforcement:</u>			
15	75mm Wide reinforcement built in horizontally.	m	495	
	Carried to Collection			R
	MAIN LIBRARY Bill No. 3 MASONARY DPW			

16		150mm Wide reinforcement built in horizontally.	m	133	
17		Ditto, but in foundations (Provisional).	m	29	
		<u>Prestressed fabricated lintels:</u>			
18		110 x 75mm Lintels in lengths not exceeding 3m.	m	14	
		<u>Galvanised hoop iron cramps, ties, etc:</u>			
19		30 x 1,6mm Roof tie 1500mm long with one end fixed to timber and other built into brickwork or concrete.	No	26	
		<u>Air bricks etc:</u>			
20		230 x 76mm Cement vermin proof air brick with gauze.	No	17	
		<u>FACE BRICKWORK</u>			
		<u>"Corobrik Golden Wheat Travertine or similar approved" FBX clay face bricks bedded and jointed in Class 1 cement mortar and pointed with recessed vertical and horizontal joints</u>			
21		Extra over brickwork in foundations for face brickwork	m2	136	
22	SANS 1200	Extra over for brickwork for facebrick.	m2	57	
		<u>Brick-on-edge header course copings, sills, etc of "Corobrik Golden Wheat Travertine or similar approved" face bricks pointed with recessed joints on all exposed faces</u>			
23		270mm Coping on top of half brick walls	m	6	
24		150mm Wide sills set slightly sloping and projecting	m	9	
		Carried to Collection			
		MAIN LIBRARY Bill No. 3 MASONARY DPW			R

Section No. 2 Bill No. 3 MASONARY <u>COLLECTION</u> Total Brought Forward from Page No.	Page No 56 57 58 59	Amount <hr style="border-top: 1px dashed black;"/> <hr style="border-top: 1px dashed black;"/> <hr style="border-top: 1px dashed black;"/> <hr style="border-top: 1px dashed black;"/>
Carried Forward to Summary of Section No. 2		R
MAIN LIBRARY Bill No. 3 MASONARY DPW		

Item No	Labour Ref		Unit	Quantity	Rate	Amount
	SANS 1200	<u>SECTION NO. 2</u>				
	SANS 1200	<u>BILL NO. 4</u>				
		<u>WATERPROOFING</u>				
		The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.				
		<u>SUPPLEMENTARY PREAMBLES</u>				
		<u>Proprietary products in descriptions:</u>				
		Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.				
		<u>Waterproofing:</u>				
		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.				
		<u>DAMPPROOFING OF WALLS AND FLOORS</u>				
		Carried to Collection				
		MAIN LIBRARY Bill No. 4 WATERPROOFING DPW				R

1	<p><u>One layer of 375 micron "Brikgrip DPC (SABS) or similar approved" embossed damp proof course well lapped at joints and intersections bedded and joined in cement mortar</u></p> <p>In walls</p>	m2	10	
2	<p><u>One layer of 375 micron "Brikgrip DPC (SABS) or similar approved" embossed damp proof course wrapped around timber roof members</u></p> <p>Around 50 x 152mm rafters through one brickwork</p>	No	26	
3	<p><u>One layer of 250 micron 'Consol Plastics Gunplas Green' waterproof sheeting sealed at laps with 'Gunplas Pressure Sensitive Tape':</u></p> <p>Under surface beds, lapped 50mm and selaed at all joints (measured net).</p>	m2	38	
4	<p><u>PROTECTIVE ROOFING PAINT</u></p> <p><u>Two coats "Roofcote or similar approved" bituminous aluminium paint</u></p> <p>On roofs</p>	m2	65	
5	<p><u>JOINT SEALANTS ETC</u></p> <p><u>Clear neutral silicone sealant:</u></p> <p>In joint sealing and pointing all round external window and door frames.</p>	m	58	
6	<p>In joint sealing and pointing between cornice and walls.</p>	m	42	
Carried to Collection				
<p>MAIN LIBRARY Bill No. 4 WATERPROOFING DPW</p>				R

7	<p><u>"Sikaflex-Pro 2HP or similar approved" polyurethane joint sealant including backing chord, bond breaker, primer, etc (colour to architects's specification)</u></p>	m	32	
8	<p><u>"Sikaflex-Pro 2HP or similar approved" polyurethane joint sealant including 10mm diameter "Sondor Polycord" backing chord, bond breaker, primer, etc (colour to architects's specification)</u></p>	m	20	
Carried to Collection				R
<p>MAIN LIBRARY Bill No. 4 WATERPROOFING DPW</p>				

Section No. 2 Bill No. 4 WATERPROOFING <u>COLLECTION</u> Total Brought Forward from Page No.	Page No 61 62 63	Amount <hr style="border-top: 1px dashed black;"/> <hr style="border-top: 1px dashed black;"/> <hr style="border-top: 1px dashed black;"/>
Carried Forward to Summary of Section No. 2		R
MAIN LIBRARY Bill No. 4 WATERPROOFING DPW		

Item No	Quantity	Rate	Amount
<p><u>SECTION NO. 2</u></p> <p><u>BILL NO. 5</u></p> <p><u>ROOF COVERINGS</u></p> <p>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Proprietary products in descriptions:</u></p> <p>Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.</p> <p><u>Fixing:</u></p> <p>Fixing shall be done according to SABS 1200HB with minimum 225mm end laps.</p> <p><u>Guarantee:</u></p> <p>The contractor will be required to provide a written guarantee, stating that :1. The roof sheeting is of the specified thickness.2. The client is indemnified against any defects, including colour deterioration for a minimum period of 15 years.</p> <p><u>Pricing:</u></p> <p>Prices for roof covering and cladding are to include for all necessary drive screws, hook bolts, sheet bolts, nuts, washers, etc., for drilling holes for screws and bolts including removing all swarf from the sheeting and all right angle cutting and waste (Measured net).</p>			
Carried to Collection			R
<p>MAIN LIBRARY Bill No. 5 ROOF COVERING, ETC DPW</p>			

0.50mm thick saflok 700 colorplus AZ150 interlocking roof sheeting as per manufacturer's specification on 75 x 50mm timber purlins at 1200mm maximum centres on 114 x 38mm timber trusses at maximum 1400mm centres.

1	Roof covering with pitch not exceeding 25 degrees, in transportable lengths not exceeding 20m.	m2	65
2	Ridge capping, 408mm girth	m	3
3	Hipp capping, 408mm girth	m	13
4	Roof covering with pitches not exceeding 25 degrees	m2	103

ROOF AND WALL INSULATION

"Super Sisalation" Heavy Industrial Grade 420 or other approved - Double sided reflective foil laminate incorporating layers of kraft paper and reinforcing scrim, laminated together with low density polyethylene (293gsm):

5	Insulation laid taut over purlins (at approximately 1m centres) and fixed concurrent with roof covering, including taped laps and nylon / galvanised straining wires.	m2	65
---	---	----	----

Carried to Collection

MAIN LIBRARY
Bill No. 5
ROOF COVERING, ETC
DPW

R

Section No. 2

Bill No. 5

ROOF COVERING, ETC

COLLECTION

Total Brought Forward from Page No.

**Page
No**

65

66

Amount

Carried Forward to Summary of Section No. 2

MAIN LIBRARY

Bill No. 5

ROOF COVERING, ETC

DPW

R

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO. 2</u></p> <p><u>BILL NO. 6</u></p> <p><u>CARPENTRY AND JOINERY</u></p> <p>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Proprietary products in descriptions:</u></p> <p>Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.</p> <p><u>Prefabricated roof trusses:</u></p> <p>Prefabricated timber roof trusses shall be constructed of South African pine by a firm of specialist designer manufacturer's as approved by the Architect.</p> <p>Prices must include for all cross and windbracing according to the manufacturer's instruction.</p> <p>Prices must include for the design, plans and approval of all timber trusses and no claim shall be considered.</p> <p>Pre-fabricated timber roof trusses shall comply with the requirements of SABS Specification 0163 and be constructed of South African pine as described in clause 8.5 to the designs shown on the Manufacturer's detail drawings. The timber shall be of cross-sectional dimensions shown, cut to correct lengths with ends square or at the required angle.</p>			
	Carried to Collection			
	<p>MAIN LIBRARY Bill No. 6 CARPENTRY AND JOINERY DPW</p>		R	

Trusses shall be assembled in truss fabricating jigs with the truss having the proper camber, all tightly clamped together with joints secured using approved connector plates of galvanised steel sheet. Connector plates shall be pressed into the timber simultaneously from both sides of the truss with a hydraulic press capable of exerting such pressure as will ensure complete penetration of the teeth into the timber.

The connector plates shall be of such size as will ensure that the joints so made will adequately withstand the forces exerted on the joints.

In coastal areas connector plates in buildings without ceilings shall be painted with two coats of epoxy tar complying with SABS Specification 801 Type 2, or rust neutralising paint.

Approval of pre-fabricated roofing systems, whether measured as an alternative or not, shall be subject to the following requirements:

(a) The Manufacturer of the pre-fabricated trusses shall hold a certificate of competence issued by the Insitute for Timber Construction.

(b) A polyester print, size A1 having a minimum thickness of 0,5mm, shall be submitted by the Contractor to the Regional Representative at an early stage for approval by the Directorate: Structural Engineering Services.

(c) The drawings shall be signed by a Registered Professional Engineer whose name appears on the Departmental panel for structural work.

(d) In the case of systems buildings, approval shall be given with submission of the contract drawings on acceptance of the tender.

The following minimum information shall be shown on the drawings:

(a) Details of the roof system with the position of the rafters and purlins indicated thereon as well as typical elevations.

Carried to Collection

MAIN LIBRARY
Bill No. 6
CARPENTRY AND JOINERY
DPW

R

- (b) Bracing as recommended by the Institute for Timber Construction.
- (c) Sizes and grading of the timber components.
- (d) Truss sizes, e.g. height of ridge or angle of pitch.
- (e) Plate sizes for every construction point. (Code numbers only are deemed insufficient).
- (f) Seperate connection details for hip, valley and jack rafters.
- (g) Maximum spacing for purlins and brandering to ceilings shall be according to Subclauses 7.6.1 and 7.6.2 and Clauses 7.8, 7.9 and 9.5.
- (h) The type of roof covering as well as the design load. Over and above the supervision undertaken by the Representative / Agent, the Truss Fabricator or his Design Engineer shall inspect the completed roof structure and issue a certificate of confirmation to the Department that:

"The roof structure(s) has (have) been erected in accordance with the Design Engineer's drawings, as accepted by the Department, and the relevant details given in the manual "THE ERECTION AND BRACING OF TIMBER ROOF TRUSSES" issued by the National Timber Research Institute and the Institute for Timber Construction".

An Engineers approval certificate will be required from the contractor once the roof installation is complete.

Joinery:

Descriptions of frames shall be deemed to include frames, transomes, mullions, rails, etc.

Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes.

Carried to Collection

MAIN LIBRARY
 Bill No. 6
CARPENTRY AND JOINERY
DPW

R

Fixing:

All nailing of timber roof trusses, purlins, etc shall be done with galvanised nails. In coastal areas, copper, aluminium or stainless steel nails shall be used.

Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete.

Where items are described as "bolted" the bolts have been measured elsewhere.

ROOFS ETC

Sawn softwood:

1	38 x 114mm Wall plate.	m	5
2	50 x 76mm Purlins.	m	96
3	50 x 76mm Bearer fascia support.	m	31

PREFABRICATED ROOF TRUSSES, ETC.

Prefabricated timber roof trusses shall be constructed of South African pine by a firm of specialist designer manufacturers. Trusses to be a minimum of 1200mm centres and are to support metal roof covering. Ceilings are either gypsum plasterboard or claddit (suspended or fixed). Prices must include for the design , plans and approval of all timber trusses and no claim shall be considered. An Engineers approval certificate is required once the roof truss installation is complete and is for the contractors account.

Plate nailed timber roof truss construction:

Note: Tenderers are referred to the Architects roof plan drawings annexed to these bills of quantities / accompanying these bills of quantities for tender purposes. Specifications and calculations of prefabricated roof must be supplied by the contractor on award of the contract. Descriptions (prices) shall be deemed to include design.

Carried to Collection

MAIN LIBRARY
Bill No. 6
CARPENTRY AND JOINERY
DPW

R

4	Provide the amount of R600,000.00 (Six hundred thousand rand) for the supply and installation/erection of prefabricated MiTek or similar approved timber roof trusses designed in accordance with part "A" and "L" of the national building regulations, Trusses should be supplied complete to engineer's specification (including bracing and sundries).		Item	600 000.00
5	Profit		Item	
6	Attendance		Item	
<u>EAVES, VERGES, ETC.</u>				
<u>High density plain Nutec-cement:</u>				
7	225 x 12mm thick fascia boards and barge board fixed to timber rafters twice screwed with 12 x 40mm countersunk brass screws with heads filled and aluminium H-profile corner joiners at board ends.	m	31	
<u>SKIRTING</u>				
<u>"Meranti"</u>				
8	19 x 150mm Moulding Skirting fixed to wall including 19mm quadrant bead planted on.	m	42	
<u>DOORS ETC.</u>				
<u>Wrought meranti fanlight or similar approved</u>				
9	44mm Fanlight 1350 x 2380mm high, solid 8 panel timber door, rebated all round including 6mm glazing beads. (Refer to D9)	No	2	
<u>Approved solid 8 panel doors, with commercial veneer both sides and with hardwood edge strips, tongued and grooved on to edges hung to steel or timber frames:</u>				
10	44mm Timber door size 1650 x 2032mm high (D3)	No	2	
Carried to Collection				R
MAIN LIBRARY Bill No. 6 CARPENTRY AND JOINERY DPW				

Approved semi-solid flush doors, with masonite veneer both sides and with hardwood edge strips, tongued and grooved on to edges, hung to steel or timber frames:

11	44mm Thick, single flush door semi solid core door, size 813 x 2032mm high.(D4)	No	2
12	44mm Thick, single flush door semi solid core louver door, size 813 x 2032mm high.(D4*)	No	13

Class "B" Fire doors all in accordance to SANS 1253

13	44mm Thick, single flush door semi solid core door including masonite and galvanizing, size 813 x 2032mm high.(DF)	No	1
----	--	----	---

FRAMED FRAMES ETC.

Wrought meranti:

14	43 x 86mm hardwood timber frame	m	24
15	32 x 107mm Rebated linings	m	3
16	69 x 107mm Weathered threshold	m	3

FITTINGS

GENERALThe following cupboard fittings are measured as complete units, i.e., the components of the units are not seperately measured. The descriptions, therefore, of such units shall be deemed to include all components, assembling, housing, notching, glueing, nailing, screwing with sunk screws, edge strips, decorative laminates, glass, ironmongery, metalwork, paint or varnish finish, etc., and silicone against all wall and floor surfaces.The descriptions of all fittings contain a reference to the applicable Architect's drawing and tenderers are refered to these drawings for the full specification and detailing of the various fittingsPrices will be deemed to include for everything necessary to complete the installation of the fittings as depicted on the drawings and no extras in this regard will be entertained

Carried to Collection

R

MAIN LIBRARY
Bill No. 6
CARPENTRY AND JOINERY
DPW

	<u>SHELVING"Store Room 1" shelving in modules 450mm deep, comprising 44 x 22mm SAP PAR timber frame and 22mm thick SAP Glulam shelf supports, 19 x 144mm high skirting, etc., supplied and installed, all in strict accordance with the manufacturer's instructions</u>				
17	Shelving unit to wall, 3 600mm long x 2 130mm high overall comprising no. 4 shelves 450mm deep.	No	2		
18	Shelving unit to wall, 2 250mm long x 2 130mm high overall comprising no. 4 shelves 450mm deep.	No	1		
	<u>"Store Room 2" shelving in modules 450mm deep, comprising 44 x 22mm SAP PAR timber frame and 22mm thick SAP Glulam shelf supports, 19 x 144mm high skirting, etc., supplied and installed, all in strict accordance with the manufacturer's instructions</u>				
19	Shelving unit to wall, 2 100mm long x 2 130mm high overall comprising no. 4 shelves 520mm deep.	No	1		
20	Shelving unit to wall, 1 880mm long x 2 130mm high overall comprising no. 4 shelves 450mm deep.	No	2		
	<u>"General Collection" shelving in modules 300mm deep, comprising 44 x 22mm SAP PAR timber frame and 22mm thick SAP Glulam shelf supports, 19 x 144mm high skirting, etc., supplied and installed, all in strict accordance with the manufacturer's instructions</u>				
21	Shelving unit to wall, 1 800mm long x 2 130mm high overall comprising no. 4 shelves 478mm wide.	No	4		
22	Shelving unit to wall, 6 460mm long x 2 130mm high overall comprising no. 4 shelves 478mm wide.	No	8		
	<u>Office Desks, Cupboards, etc</u>				
	<u>Joinery to Computer room</u>				
23	Counter unit 1.50m long, comprising worktop with 70 x 70mm square meranti supports at 1.0m centres and fixed to wall on and including proprietary wall brackets	No	1		
24	Counter unit 5.95m long, comprising worktop with 70m square meranti supports at 1.0m centres and fixed to wall on and including proprietary wall brackets	No	1		
	Carried to Collection				R
	MAIN LIBRARY Bill No. 6 CARPENTRY AND JOINERY DPW				

CONSTRUCTION OF NEW NTABANKULU PUBLIC LIBRARY
SCMU5-22/23-0167

25	Counter unit 6.36m long, comprising worktop with 70 x 70mm square meranti supports at 1.0m centres and fixed to wall on and including proprietary wall brackets	No	2		
	<u>Joinery to Workroom</u>				
26	Cupboard unit 2 050mm long x 900mm high with full height doors	No	1		
27	Cupboard unit 5 000mm long x 900mm high with full height doors	No	2		
	<u>Joinery to Meeting room</u>				
28	Cupboard unit 3 555mm long x 900mm high with full height doors	No	1		
	<u>Joinery to Reception</u>				
29	U-shaped desk unit 8 450m girth overall, comprising worktop, raised counter with no.3 pigeon holes above each drawer unit and no.3 drawer units	No	1		
	<u>Joinery to Kitchen</u>				
30	U-shaped counter unit 4 920mm overall girth, comprising worktop with no.4 cupboard units below and with cutout for sink (sink supplied and fitted by others)	No	2		
	Carried to Collection				R
	MAIN LIBRARY Bill No. 6 CARPENTRY AND JOINERY DPW				

Section No. 2

Bill No. 6

CARPENTRY AND JOINERY

COLLECTION

Total Brought Forward from Page No.

**Page
No**

Amount

68

69

70

71

72

73

74

75

Carried Forward to Summary of Section No. 2

R

MAIN LIBRARY

Bill No. 6

CARPENTRY AND JOINERY

DPW

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO. 2</u></p> <p><u>BILL NO. 7</u></p> <p><u>CEILING PARTITIONS AND ACCESS FLOORING</u></p> <p>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Proprietary products in descriptions:</u></p> <p>Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.</p> <p><u>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 have been given.</p> <p><u>SKIMMED AND PAINTED CEILING BOARDS</u></p>			
1	12mm thick "Rhinoboard" skim plastered and painted ceiling including 38x38mm SA pine bandering at 600mm centres	m2	34	
2	Extra over ceiling for making and forming holes for down lighters, sprinkler heads, fire detector unit, etc not exceeding 150mm diameter	No	4	
	Carried to Collection			R
	<p>MAIN LIBRARY Bill No. 7 CEILING, PARTITIONS AND ACCESS FLOORING DPW</p>			

3	Extra over ceilings for opening for 800 x 800mm ventilation grille/ air condition diffuser	No	1	
4	Extra over ceilings for 650 x 650mm trap door of 38 x 50mm wrought softwood rebated framing with one 38 x 38mm sawn softwood cross bandering covered with ceiling board and fitted flush in opening	No	1	
	<u>Cornice</u>			
5	Cornice to ceilings.	m	382	
Carried to Collection				R

MAIN LIBRARY
 Bill No. 7
 CEILINGS, PARTITIONS AND ACCESS FLOORING
DPW

Section No. 2

Bill No. 7

CEILINGS, PARTITIONS AND ACCESS FLOORING

COLLECTION

Total Brought Forward from Page No.

**Page
No**

77

78

Amount

Carried Forward to Summary of Section No. 2

MAIN LIBRARY

Bill No. 7

CEILINGS, PARTITIONS AND ACCESS FLOORING

DPW

R

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO. 2</u></p> <p><u>BILL NO. 8</u></p> <p><u>FLOOR COVERINGS, PLASTIC LININGS, ETC.</u></p> <p><u>FLOOR COVERINGS</u></p> <p><u>Patterned colour placement stainproof "Belgotex or similar approved" heavy duty commercial carpet</u></p>			
1	On floors	m2	16	
	<p>Carried Forward to Summary of Section No. 2</p>			R
	<p>MAIN LIBRARY</p> <p>Bill No. 8</p> <p>FLOOR COVERING, WALL LININGS, ETC</p> <p>DPW</p>			

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO.2</u></p> <p><u>BILL NO.9</u></p> <p><u>IRONMONGERY</u></p> <p>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Proprietary products in descriptions:</u></p> <p>Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent:</p> <p><u>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 CP 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>Fixing:</p> <p>Descriptions of wall mounted and floor standing ironmongery items shall be deemed to include for fixing in position and all fixing accessories</p> <p>Descriptions of proprietary items shall be deemed to include fixing in position and all fixing accessories</p> <p><u>HINGES, BOLTS, ETC.</u></p> <p><u>Hinges:</u></p>			
	Carried to Collection			R
	<p>MAIN LIBRARY Bill No. 9 IRONMONGERY DPW</p>			

"Dorma":

1	Dormakaba 102 x 75 x 2mm Stainless Steel two ball bearing butt hinge. (DBB-SS-009)	Pairs	42.0
2	B3599 x 300mm SC "W&B Hardware" lever action flush bolt to top 'Ward' face of inactive leaf	No	4
3	H101SC "HOWICK" 150 x 32mm satin chrome on brass barrel bolt to bottom face of inactive leaf	No	1

Floor Springs

4	"Dorma" BTS75R/EN2-5 single action hold open floor spring complete with stainless steel cover plate 7411K/56 bottom strap 7481 cover cap (handed) 7411K/56 top centre with 7483 cover caps for aluminium framed glass door	No	6
---	--	----	---

HANDLES, KEYHOLES, ETC

LOCKS

The following locks are in one set with a master key:

"Union"

5	22314-76SS Bathroom lockset	No	12
6	L-22315-76SS Profile cylinder sash lockset	No	2
7	Standard two lever mortice lockset	No	15
8	Standard three lever mortice lockset	No	5
9	Standard four lever mortice lockset	No	6
10	2 x 19SC euro profile knob cylinder and turn, master keyed	No	1
11	Masterkey.	No	5

(End of the following in)

Carried to Collection

R

MAIN LIBRARY
Bill No. 9
IRONMONGERY
DPW

<u>HANDLES</u>				
12	DPH 301A Tubular stainless pull handle 305mm long x 25mm diameter bolted to stainless steel plate with 2 only M8 x 25mm hex. headed galv. bolts and washers (bolts elsewhere measured).	No	8	
	<u>"Union"</u>			
13	AL687-09AS Bishop lever door furniture	No	4	
14	CZ682-24SC Satin chrome Gower lever handles	No	28	
15	CZ682-73SC Satin chrome Gower bathroom handles	No	12	
<u>PUSH AND KICKING PLATES</u>				
16	150mm wide x 345mm high x 1,6mm thick stainless steel plate 304 grade, six times countersunk drilled for back to back screw fixing and twice drilled at 280mm ccs for pull handle fixing. Plate to have no sharp edges or corners	No	4	
17	813mm Wide x 300mm high x 1,6mm thick satin finish stainless steel 304 grade kick plate full width of door leaf. Plate glued and screwed to face of door leaf with stainless steel raised and countersunk headed screws at approx. 200mm ccs.	No	4	
<u>DOOR CLOSERS</u>				
	<u>"Dorma"</u>			
18	TS68/2-4 Standard silver door closer	No	6	
<u>SUNDRIES</u>				
19	10mm Diameter steel dowel 75mm long in and including mortice in timber and brickwork or concrete	No	8	
	<u>Approved</u>			
	<u>"Union"</u>			
20	CZ8731SC Rubber buffered door stop	No	27.00	
21	AL8730AS Rubber buffered door stop	No	6	
Carried to Collection				R
MAIN LIBRARY				
Bill No. 9				
IRONMONGERY				
DPW				

22	AL8722AS Brushed aluminium hat and coat hook with rubber buffer "Franke"	No	9	
<u>BATHROOM FITTINGS</u>				
23	Stainless steel soap dispensers 1,250ml soap capacity lockable Grade 304 Stainless steel casing (0,8mm thick) with satin finish with manual top-up of soap reservoir. Brass pump mechanism can also dispense lotions and shampoos	No	8	
24	Brushed stainless steel toilet roll holders with sight inspection hole. Holding 3 toilet rolls and lockable-samples to be presented to architect for approval.	No	8	
25	300 x 270 x 520mm High "Stratos STRX 605" (code 359730) or other approved wall mounted waste bin units, plugged	No	7	
26	600mm Long chrome towel rail (code 359947), including end brackets, plugged <u>"Chairman Industries"</u>	No	6	
27	B3775 "W&B Hardware" stainless steel angle side rail	No	2	
28	B3773 "W&B Hardware" stainless steel cistern back rail	No	2	
<u>LETTERS, NAMEPLATES, ETC</u>				
<u>Approved 1.2mm thick aluminium</u>				
29	150 x 150mm Male sign	No	1	
30	150 x 150mm Female sign	No	1	
31	150 x 150mm Disabled sign	No	2	
32	150 x 150mm Male/Female combined sign	No	2	
33	150 x 150mm Tea cup sign	No	2	
Carried to Collection				R
MAIN LIBRARY Bill No. 9 IRONMONGERY DPW				

34	150 x 150mm Cleaner sign	No	2	
35	150 x 150mm Kids sign	No	1	
36	50 x 500 x 3mm Thick perspex plate with five 40mm high engraved and painted letters or numerals	No	2	
37	50 x 500 x 3mm Thick perspex plate with six 40mm high engraved and painted letters or numerals	No	1	
38	50 x 500 x 3mm Thick perspex plate with seven 40mm high engraved and painted letters or numerals	No	1	
39	50 x 500 x 3mm Thick perspex plate with eight 40mm high engraved and painted letters or numerals	No	4	
40	50 x 500 x 3mm Thick perspex plate with eleven 40mm high engraved and painted letters or numerals	No	2	
41	50 x 500 x 3mm Thick perspex plate with eighteen 40mm high engraved and painted letters or numerals	No	1	
	<u>Hanging Signs</u>			
	<u>5mm Perspex with vinyl bonded to both sides of perspex base, including 18 x 20 x 2mm thick framed aluminium anodised channel fixed around laminated sign board, suspended from ceiling hangers with stainless steel wire, with lettering of 50mm for dominant language and 34mm for secondary language and including pictogram, complete</u>			
42	1 440 x 490mm high signage	No	14	
	<u>BLINDS</u>			
	<u>"Hedley Quick" or similar approved manually operated standard roller louvre blinds with side controlled manual chain opening mechanism fixed to window reveal</u>			
43	Window size 600 x 600mm high	No	48	
44	Window size 600 x 900mm high	No	9	
45	Window size 900 x 900mm high	No	2	
	Carried to Collection			R
	MAIN LIBRARY Bill No. 9 IRONMONGERY DPW			

46	Window size 900 x 1 800mm high	No	7
47	Window size 1 800 x 1 800mm high	No	2
48	Window size 600 x 3 000mm high	No	6
49	Window size 900 x 3 000mm high	No	1
50	Window size 1 800 x 1 200mm high	No	5
51	Window size 1 800 x 900mm high	No	1
52	Window size 1 200 x 1 200mm high	No	10
53	Window size 1 200 x 2 400mm high	No	1
54	Window size 2 100 x 900mm high	No	1
55	Window size 1 200 x 3 600mm high	No	1

ENTRANCE MATS

"Matco" mats or similar approved

56	1 800 x 1 200 x 13mm Thick "Star Gripper" or similar approved polyethylene door mat with non-slip vinyl backing laid loose in mat surround, bearing the names "COOK HOUSE PUBLIC LIBRARY" and the Eastern Cape coat of arms logo	No	1
----	--	----	---

WRITING AND PINNING BOARDS

Writing boards

"Vitrex model 2200" or similar approved white board, fitted with "pen" rail to base, plugged and screwed to wall

57	Board size 1 800 x 900mm	No	3
----	--------------------------	----	---

Pinning boards

"Vitrex model 2300" or similar approved pinning board, fitted with rail to base, plugged and screwed to wall,

58	Board size 1 200 x 1 200mm	No	10
----	----------------------------	----	----

Carried to Collection

R

MAIN LIBRARY
Bill No. 9
IRONMONGERY
DPW

59	Board size 1 800 x 900mm	No	4	
	<u>BUDGETARY ALLOWANCE</u>			
	<u>External building signage</u>			
60	Provide an amount of R150,000.00 (Hundred and Fifty thousand rand) for signange.		Item	150 000.00
Carried to Collection				
MAIN LIBRARY Bill No. 9 IRONMONGERY DPW				R

Section No. 2

Bill No. 9

IRONMONGERY

COLLECTION

Total Brought Forward from Page No.

**Page
No**

Amount

81

82

83

84

85

86

87

Carried Forward to Summary of Section No. 2

R

MAIN LIBRARY
Bill No. 9
IRONMONGERY
DPW

Item No		Quantity	Rate	Amount
	<u>SECTION NO.2</u>			
	<u>BILL NO. 10</u>			
	<u>STRUCTURAL STEELWORK</u> <u>(PROVISIONAL)</u>			
	<u>BALUSTRADES ETC</u>			
	<u>Stainless steel welded and bolted patent</u> <u>balustrades fixed to floors and walls.</u>			
1	Horizontal balustrades 1100mm high of 65mm diameter continuous top and bottom rails and 65mm diameter posts including 6mm shatterproof glass panel, all complete and fixed to floors and walls.	m	3	
2	Raking balustrades 1100mm high of 65mm diameter continuous top and bottom rails and 65mm diameter posts including 6mm shatterproof glass panel, all complete and fixed to floors and walls.	m	3	
3	Extra over for short radius bend	No	6	
4	Extra over for long radius bend	No	6	
5	Extra over for 90 degree bend	No	2	
6	Extra over for 60 degree ramp return bend	No	2	
7	Extra over for end closure to horizontal balustrade	No	4	
8	Extra over for end closure to raking balustrade	No	4	
9	Allow the sum of (R120 000) One hundred and twenty thousand rand for structural steel work, manufactured and assembled off site.	Item		120 000.00
	Carried Forward to Summary of Section No. 2			
	MAIN LIBRARY Bill No. 10 STRUCTURAL STEELWORK (PROVISIONAL) DPW		R	

Item No		Quantity	Rate	Amount
	<u>SECTION NO.2</u>			
	<u>BILL NO.11</u>			
	<u>METALWORK</u>			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	Descriptions			
	Descriptions of bolts shall be deemed to include nuts and washers			
	Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete			
	Metalwork described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described			
	<u>NOTE: All steel will be Hot dipped galvanised unless otherwise stated</u>			
	<u>SUNDRY STEELWORK</u>			
	<u>Brackets etc to roof timbers etc</u>			
1	150 x 150 x 52mm Shoe formed of 6mm thick flat 300mm girth, once bent across flat and two 150 x 150 x 6mm splay cut side plates welded to both sides and three times holed for bolts	No	32	
2	Bolts	kg	1	
	<u>GALVANISED PRESSED STEEL DOOR FRAMES</u>			
	Carried to Collection			R
	MAIN LIBRARY Bill No. 11 METALWORK DPW			

	<u>1.6mm Mild steel single rebated frames suitable for half brick walls</u>			
3	Frame for door 813 x 2032mm high	No	1	
	<u>1.6mm Mild steel single rebated frames suitable for one brick walls</u>			
4	Frame for door 890 x 1 800mm high	No	1	
	<u>ALUMINIUM WINDOWS, DOORS ETC</u>			
	All windows to be approved by the Architect prior to installation.			
	Windows to be glazed to SANS min. standards - 4mm clear glass in panes smaller than 1500mm square millimeters, 5mm clear glass in panes smaller than 2100 square millimeters, 6 mm clear glass in panes smaller than 3200 square millimeters and 6mm safety glass for panes lower than 900mm above FFL (fit obscure glazing in toilets and ablutions). All to SANS standards and Architect approval. Standard window furniture complete with screws and bolts installed strictly according to AAAMSA standards and specifications.			
	Note: Tenderers are referred to architect's drawings indicating in the general window layout as annexed to these bills of quantities for tender purposes.			
	Burglar bars shall be 5 x 20mm flat horizontal bars to all sections spaced at 150mm apart.			
	<u>WINDOWS</u>			
	<u>All aluminium units to comply with AAAMSA standards concerning sections and sizes and to be Dark Bronze anodised with 4mm thick laminated tinted safety glass, complete with subframes, ironmongery, glass, sealing, including burglar bars by manufacturer etc and fixing to brickwork.</u>			
5	Dark bronze anodized aluminium window size 600 x 900mm high (W3), with one opening sections, top hung outward opening including.	No	1	
6	Dark bronze anodized aluminium window size 1200 x 1200mm high (W8*)including.	No	2	
	Carried to Collection			R
	MAIN LIBRARY Bill No. 11 METALWORK DPW			

7	Dark bronze anodized aluminium window size 3600 x 1200mm high (W15), top hung outward opening including.	No	1	
	<u>DOORS</u>			
	<u>All aluminium units to comply with AAAMSA standards concerning sections and sizes and to be Dark Bronze anodised with 6mm thick safety glass laminated tinted safety glass, complete with subframes, ironmongery, glass, sealing and fixing to brickwork.</u>			
8	Door size 900 x 2100 mm high	No	2	
9	Louve door size 813 x 2032 mm high	No	1	
	<u>Mild Steel Doors</u>			
10	Door size 890 x 1800 mm high	No	1	
	<u>BURGLARS</u>			
	<u>BUDGETARY ALLOWANCE</u>			
11	Allow the amount of R250 000 (Two hundred and fifty thousand rand) for installation of burglar to windows and doors by specialist contractor.		Item	250 000.00
	Carried to Collection			R
	MAIN LIBRARY Bill No. 11 METALWORK DPW			

Section No. 2

Bill No. 11

METALWORK

COLLECTION

Total Brought Forward from Page No.

**Page
No**

90

91

92

Amount

Carried Forward to Summary of Section No. 2

MAIN LIBRARY
Bill No. 11
METALWORK
DPW

R

Item No	Labour Ref		Unit	Quantity	Rate	Amount
	SANS 1200	<u>SECTION NO.2</u>				
	SANS 1200	<u>BILL NO.12</u>				
		<u>PLASTERING</u>				
		The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.				
		<u>SUPPLEMENTARY PREAMBLES</u>				
		<u>Proprietary products in descriptions:</u>				
		Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.				
		<u>SCREEDS</u>				
	LI	<u>3:1 Cement plaster screeds steel trowelled on concrete:</u>				
1		30mm thick on floors.	m2	32		
		<u>GRANOLITHIC</u>				
	LI	<u>Untinted granolithic on concrete (degree of accuracy grade III) :</u>				
2		30mm Thick on floors and landings.	m2	28		
		<u>INTERNAL PLASTER</u>				
		Carried to Collection				
		MAIN LIBRARY Bill No. 12 PLASTERING DPW				R

	Page No	Amount
Section No. 2		
Bill No. 12		
PLASTERING		
<u>COLLECTION</u>		
Total Brought Forward from Page No.	94	-----
	95	-----
Carried Forward to Summary of Section No. 2		R
MAIN LIBRARY Bill No. 12 PLASTERING DPW		

Item No	Labour Ref		Unit	Quantity	Rate	Amount
	SANS 1200	<u>SECTION NO.2</u>				
	SANS 1200	<u>BILL NO.13</u>				
		<u>TILING</u>				
		The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.				
		<u>SUPPLEMENTARY PREAMBLES</u>				
		<u>Proprietary products in descriptions:</u>				
		Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.				
		<u>Fixing:</u>				
		Tiling shall be fixed with an approved tile adhesive to a plaster backing. Plaster backing is measured elsewhere. A diamond blade with angle grinder must be strictly used to trim/cut any tiling to shape.				
		<u>FLOOR TILES</u>				
	SANS 1200	<u>400 x 400mm ceramic tiles</u>				
1		On floors	m2	98		
2		Skirting 100mm high	m	134		
3		Cut and fit tiles around WC pan.	No	7		
		Carried to Collection				
		MAIN LIBRARY Bill No. 13 TILING DPW				
					R	

Section No. 2				
Bill No. 13				
TILING				
<u>COLLECTION</u>				
Total Brought Forward from Page No.		Page No		Amount
		97		
		98		
Carried Forward to Summary of Section No. 2				
MAIN LIBRARY				
Bill No. 13				
TILING				
DPW				
			R	

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO.2</u></p> <p><u>BILL NO. 14</u></p> <p><u>PLUMBING AND DRAINAGE (PROVISIONAL)</u></p> <p>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Proprietary products in descriptions:</u></p> <p>Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.</p> <p><u>Copper pipes:</u></p> <p>Pipes shall be hard drawn and half-hard pipes of the class stated. 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. Only compression fittings shall be used in walls or in ground.</p> <p><u>Chasing:</u></p> <p>Chasing pipes into new walls shall be regarded as "building in" and is not measured separately. The cost of chasing, wrapping in suitable bown paper and making good shall be included in the rates for pipes.</p>			
	Carried to Collection			
	<p>MAIN LIBRARY Bill No. 14 PLUMBING AND DRAINAGE (PROVISIONAL) DPW</p>		R	

Holes for pipes through new walls:

No allowance for holes and drilling for pipes through new walls has been made in these bills of quantities, the price for all holes and making good shall be deemed to be included in the description of pipes.

Reducing fittings:

Where fittings have reducing ends or branches they are described as 'reducing'. In the case of pipes with diameters not exceeding 60mm 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. In the case of pipes with diameters exceeding 60mm all sizes are given and no claim for extra bushes, reducers, etc will be entertained.

Description of pipes laid in trenches:

Descriptions of pipes laid in trenches shall be deemed to include for carting away all surplus excavated material to a dumping site located by the contractor.

Excavations:

No claim for rock excavation will be entertained unless the Contractor has timeously notified the quantity surveyor thereof prior to backfilling.

'Soft rock' and 'hard rock' shall be as defined in 'Earthworks'.

Laying, backfilling, bedding, etc of pipes:

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

Where no manufacturers' instructions exist pipes shall be laid in accordance with clauses 5.1 and 5.2 of each of the following: SABS 1200 L : Medium pressure pipelines LD : Sewers LE : Stormwater drainage Pipe trenches etc shall be backfilled in accordance with clause 3, 5.5, 5.6, 5.7 and 7 of SABS 1200DB: Earthworks (Pipe trenches) Clause 5.7.2 will only be applicable if authorised by the Engineer in writing.

Carried to Collection

MAIN LIBRARY
Bill No. 14
PLUMBING AND DRAINAGE (PROVISIONAL)
DPW

R

Flush pans:

Flush pans shall have straight or side outlets and 'P' or 'S' traps as necessary.

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

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

Fixing:

Descriptions of wall mounted, floor standing, drop-in, etc type sanitary fittings shall be deemed to include fixing in position and all fixing accessories.

Descriptions of proprietary items shall include fixing in position and all fixing accessories as specified by the manufacturer.

Waste unions:

Descriptions of waste unions shall be deemed to include rubber or vulcanite plugs and chains fixed to fittings.

Sleeve pipes:

Electrical sleeve pipes to be Class 34 and are to include for draw wires.

RAINWATER DISPOSAL:

"Watertite" or similar approved aluminium:

1	150mm Wide box eaves gutter fixed to fibre-cement fascia board as described.	m	165
2	Extra on eaves gutter for stopped end.	No	10
3	Extra on eaves gutter for external angle.	No	12
4	Extra on eaves gutter for outlet with nozzle for and joint 100mm diameter square rainwater pipe, including galvanised wire balloon grating.	No	15
5	100mm Diameter square rainwater pipe fixed to walls.	m	57

Carried to Collection

R

MAIN LIBRARY
Bill No. 14
PLUMBING AND DRAINAGE (PROVISIONAL)
DPW

6	Extra over for shoe.	No	15
7	Extra over for bend.	No	10
<u>SOIL DRAINAGE</u>			
Excavations of pipe trenches will be measured in accordance with "Method B" and the width of excavations in more difficult material will be determined in accordance with "Method A" of the Standard System of Measuring Building Work Six Edition			
NOTE: This is a Labour Intensive Construction section and items under this trade must be constructed under the GUIDELINES of EPWP.			
<u>uPVC Soil pipes (SABS 791-1986):</u>			
8	110mm Pipes vertically or ramped to cleaning eyes etc in and including trenches exceeding 2m and not exceeding 5m deep.	m	35
9	110mm Pipes laid in ground not exceeding 1m not exceeding 2m deep.	m	30
10	110mm Pipes laid in ground not exceeding 2m not exceeding 3m deep.	m	50
11	110mm Pipes laid in and including trenches exceeding 3mm and not exceeding 5mm deep.	m	120
12	150mm Pipes laid in and including trenches exceeding 3mm and not exceeding 5mm deep.	m	40
<u>Extra over uPVC pipes for fittings:</u>			
13	110mm Bend.	No	15
14	150mm bend.	No	5
15	110mm Access bend.	No	5
16	150mm Access bend.	No	8
17	110mm Junction.	No	10

Carried to Collection

R

MAIN LIBRARY
Bill No. 14
PLUMBING AND DRAINAGE (PROVISIONAL)
DPW

18	150mm junction	No	3
19	110mm Access junction.	No	5
20	150mm Access junction.	No	4
21	450 x 450 x 100mm Precast concrete inspection eye marker slab including letters I.E. set in ground.	No	13
22	150 x 110mm Reducing junction	No	4
<u>Concrete pipes</u>			
23	300mm diameter concrete stormwater pipe spigot & socket laid @ 0.4% Class B	m	26
24	450mm diameter concrete stormwater pipe spigot & socket laid @ 0.4% Class B	m	40
<u>HDPE pipes</u>			
25	50mm Pipes laid in and including trenches not exceeding 1m deep (LI)	m	20
26	110mm Pipes laid in and including trenches not exceeding 1m deep (LI)	m	85
<u>Extra over HDPE pipes for fittings</u>			
27	110 x 50mm Reducer	No	15
28	50mm Bend	No	58
29	50mm Junction	No	15
30	110mm Bend	No	10
31	110mm Junction	No	15
<u>Manholes, gulley traps, etc:</u>			
32	110mm uPVC Gulley assembly complete with trap and hopper with grid not exceeding 1000mm deep all set and encased in (20MPa) mass concrete to form kerb, finished smooth with plaster.	No	6

Carried to Collection

R

MAIN LIBRARY
Bill No. 14
PLUMBING AND DRAINAGE (PROVISIONAL)
DPW

33	1000mm Diameter precast concrete circular inspection chamber not exceeding 1000mm deep internally. All complete with step irons, cover slab ext	No	2	
34	1000mm Diameter precast concrete circular inspection chamber exceeding 1000mm and not exceeding 2000mm deep internally. All complete with step irons, cover slab ext	No	8	
<u>Covers, etc</u>				
35	550mm x 176kg Type 2A heavy duty cast iron manhole cover and frame	No	10	
36	Lifting key for manhole cover	No	10	
<u>Sundries</u>				
37	Extra over excavation for pipe trenches, chambers, etc for carting away surplus material to a dumping site to be located by the contractor within 15km proximity (LI)	m3	160	
38	Extra over backfilling to pipe trenches, chambers, etc for compaction to 93% Mod AASHTO density (LI)	m3	13	
39	Extra over backfilling to drain trenches, chambers, etc for earth backfilling supplied by the contractor (LI)	m3	145	
40	160mm Cast iron "ABC" cleaning eye in end of pipe including 400 x 400 x 120mm thick unreinforced 15MPa/19mm concrete encasing	m3	4	
41	Excavate for, locate, cut into existing soil drainage pipe for and forming junction with new 110mm class 34 uPVC sewer pipe (sewer pipe elsewhere measured) exceeding 4m and not exceeding 5m deep, including backfilling, ramming, etc (LI)	No	4	
<u>Testing:</u>				
42	Testing drainage pipe system.		Item	
<u>WATER SUPPLIES IN GROUND</u>				
<u>Class 2 Copper pipes to SABS 460</u>				
43	15mm Pipes.	m	6	
Carried to Collection				R
MAIN LIBRARY Bill No. 14 PLUMBING AND DRAINAGE (PROVISIONAL) DPW				

	<u>Extra on copper piping for Conex Brass compression type fittings</u>				
44	15mm Fittings.	No	3		
	<u>SANITARY FITTINGS</u>				
	<u>"Vaal" or similiar approved:</u>				
45	450 X 350mm "Midi Weaver" rectangular surface mounted basin with one tap hole (code 706601) to come complete with all sanitary fittings and pipes bolted onto wall by 2 x 10mm bolt basin clicker slotted waste to be installed. Similar products will be approved to Architect's discretion.	No	7		
46	335 X 290mm "Mini Weaver" rectangular surface mounted basin with one tap hole (code 706600) to come complete with all sanitary fittings and pipes bolted onto wall by 2 x 10mm bolt basin clicker slotted waste to be installed. Similar products will be approved to Architect's discretion.	No	1		
47	Vitreous china "Entice" close coupled (Code 772663) 90 degree outlet closed rim wash down pan and matching 6 litre bottom entry top dual flush cistern complete with lid, fitments and quality thermoset seat to come complete with all sanitary fittings as provided by manufacturer. The suite is designed to flush effectively on 6 litres. Similar products will be considered at Architect discretion.	No	7		
	Carried to Collection				
	MAIN LIBRARY				
	Bill No. 14				
	PLUMBING AND DRAINAGE (PROVISIONAL)				
	DPW				
					R

48	Vitreous china "Ingenu" close coupled (Code 772660) 90 degree outlet closed rim wash down pan and matching 6 litre bottom entry top dual flush cistern complete with lid, fitments and quality thermoset seat to come complete with all sanitary fittings as provided by manufacturer. The suite is designed to flush effectively on 6 litres. Similar products will be considered at Architect discretion.	No	1	
49	Vitreous china wall hung " Sweetpea" urinal with top inlet (code 705126) and back inlet (Code 7054Z2) including 38mm c.p. domical grating, a spreader (with a 20mm diameter thread) and two hanger brackets. Similar approved products will be considered at Architect's discretion.	No	2	
	<u>'Franke (t/a Citimetal)' grade 304 (18/10) stainless steel catering ware:</u>			
50	"FRANKE " Cascade CDX621-120 inset sink, including all necessary fittings and installation. Similar products will be approved to architects discretion.	No	3	
51	"FRANKE " SIRX342 wall mounted laundry stainless steel single bowl sink 500mm x 450mm including brackets and mounting to brick wall all in accordance to manufactures recommendation.	No	2	
	<u>WASTE UNIONS ETC</u>			
	<u>Waste unions etc:</u>			
52	32mm Code 301 chrome plated basin waste union.	No	8	
53	40mm Code 316 chrome plated unslotted bath or sink waste union.	No	5	
	<u>TRAPS ETC</u>			
	<u>'Cobra Watertech' traps etc:</u>			
54	32mm Cobra Watertech chrome plated deep seal bottle trap with outlet for 50mm PVC (Code 345/50).	No	8	
	Carried to Collection			
	MAIN LIBRARY Bill No. 14 PLUMBING AND DRAINAGE (PROVISIONAL) DPW			R

55	40mm Chrome plated deep seal bottle trap with outlet for 50mm PVC (code 365/50).	No	5	
<u>TAPS, VALVES, ETC</u>				
<u>Brushed finish brass steel:</u>				
56	15mm Bibcock with hose union.	No	8	
<u>Single lever sink mixer:</u>				
57	Cobra Dura single lever plain basin mixer (DU-951) with temperature control cartridge. 1/2 BSP femal inlet including basin mixer, base plate,6l min flow restrictor, 1/2 female iron and 150mm long inlet complete.	No	6	
58	Franke Highrise Swivel single lever plain basin mixer (115.0193.183) with temperature control cartridge. 1/2 BSP femal inlet including basin mixer, base plate,6l min flow restrictor, 1/2 female iron and 400mm long inlet complete.	No	3	
<u>Medical elbow action mixer</u>				
59	Cobra chrome medical elbow-action (Code 504-21R) pillar tap with high waist including elbow bottle washer, deck mounted sidecock with 1/4 turn ceramic disc head part and blue indice including 1/2 BSP male connection inlet and flanged backnut.	No	2	
<u>Sundries, etc:</u>				
60	Standard 15mm stainless steel braided female swivel connection piece 350mm long.	No	19	
61	15mm Ball-O-stop.	No	14	
<u>WATER METER</u>				
<u>"Sensus Mienecke"</u>				
62	75mm Flanged non-return valve	No	1	
63	75mm Flanged in-line strainer	No	1	
Carried to Collection				R
MAIN LIBRARY Bill No. 14 PLUMBING AND DRAINAGE (PROVISIONAL) DPW				

64	"Sensus Mienecke" cosmo type or other equal approved 50mm diameter water meter with flanged ends for jointing to 63mm pipe	No	1		
	<u>"Cobra Watertech"</u>				
65	22mm 131RB stopcock	No	3		
66	15mm 211-15CP "Star" pillar tap	No	18		
67	15mm 138CP "Star" underwall pattern stopcock	No	9		
68	15mm 266/0410CP "Star" sink mixer	No	4		
69	PB1.10RB vacuum breaker	No	3		
70	PA1.1"RB "Kwikflo" 400 kPa pressure reducing valve	No	1		
	<u>SANITARY PLUMBING</u>				
	<u>HDPE pipes</u>				
71	40mm Pipes	m	30		
72	50mm Pipes	m	20		
73	110mm Pipes	m	58		
	<u>Extra over HDPE pipes for fittings</u>				
74	110 x 50mm Reducer	No	1		
75	40mm Bend	No	20		
76	110mm Bend	No	28		
77	50mm Bend	No	12		
78	110mm Junction	No	21		
79	110 x 40 x 110mm Reducing junction	No	9		
80	110 x 50 x 110mm Reducing junction	No	9		
81	110mm Access bent pan connector	No	8		
	Carried to Collection				
	MAIN LIBRARY				
	Bill No. 14				
	PLUMBING AND DRAINAGE (PROVISIONAL)				
	DPW				
					R

82	110mm Rodding eye	No	15		
	<u>SUNDRIES</u>				
83	Testing soil waste and vent pipe reticulation		Item		
	<u>WATER SUPPLIES</u>				
	<u>"Jojo" water tanks, etc</u>				
84	2 500 Litre cylinder vertical tank complete with lid and standard outlet fitted with and including 30mm pipe, including setting in position on concrete stand (stand elsewhere measured) and tying down with three double strands of 4mm diameter galvanised wire with ends secured into the stand	No	1		
	<u>12HDPE pipes</u>				
85	32mm Pipes laid in and including trenches	m	30		
86	32 x 15 x 32mm Reducing tee	No	4		
	<u>"Polycop" polypropylene pipes</u>				
87	15mm Pipes laid in and including trenches (LI)	m	6		
88	32mm Pipes laid in and including trenches (LI)	m	8		
89	75mm Pipes laid in and including trenches (LI)	m	148		
	<u>"Extra over "Polycop" polypropylene pipes for brass compression fittings</u>				
90	32mm Elbow	No	10		
91	15mm Fittings	No	5		
	<u>Class 2 copper pipes</u>				
92	15mm Pipes	m	68		
93	22mm Pipes	m	25		
	<u>Extra over class 2 copper pipes for capillary fittings</u>				
94	15mm Fittings	No	68		
	Carried to Collection				
	MAIN LIBRARY				
	Bill No. 14				
	PLUMBING AND DRAINAGE (PROVISIONAL)				
	DPW				
					R

95	22mm Fittings	No	30		
96	75mm Flanged end	No	4		
97	75mm Elbow	No	4		
	<u>Copper overflow and service pipes</u>				
98	22mm Overflow pipe 500mm girth twice bent	No	3		
99	15mm Service pipe 450mm girth	No	3		
	<u>Sundries</u>				
100	Extra over excavation for pipe trenches, chambers, etc for carting away surplus material to a dumping site to be located by the contractor (LI)	m3	53		
101	Extra over backfilling to drain trenches, chambers, etc for earth backfilling supplied by the contractor (LI)	m3	48		
102	Extra over backfilling to pipe trenches, chambers, etc for compaction to 93% Mod AASHTO density (LI)	m3	10		
103	Excavate for, locate, cut into existing water mains pipe for and forming junction with new 75mm HDPE pipe (pipe elsewhere measured), including backfilling, ramming, etc (LI)	No	2		
104	1 200 x 750mm Water connection chamber, including brick chamber below exceeding 750mm and not exceeding 1 000mm deep internally, with cast iron cover and frame size 450 x 600mm (type CCP) (LI)	No	2		
105	Testing water supply reticulation			Item	
	<u>SUBSOIL DRAINAGE</u>				
	<u>Excavation in earth exceeding 2m not exceeding 3m deep:</u>				
106	Trenches. (LI)	m3	370		
	<u>Extra over all excavations for carting away:</u>				
107	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor.	m3	246		
	Carried to Collection				
	MAIN LIBRARY				
	Bill No. 14				
	PLUMBING AND DRAINAGE (PROVISIONAL)				
	DPW				
				R	

	<u>Risk of collapse of excavations:</u>			
108	Sides of trench and hole excavations exceeding 1.5m not exceeding 3m deep.	m2	347	
	<u>Keeping excavations free of water:</u>			
109	Keeping excavations free from mud and all water including subterranean sources.		Item	
	<u>Extra over trench and hole excavations in earth for excavation in:</u>			
110	Soft rock.	m3	37	
111	Hard rock.	m3	19	
	<u>Earth filling obtained from the excavations and / or prescribed stock piles on site compacted to 93% Mod. AASHTO density:</u>			
112	Backfilling to trenches, holes, etc.	m3	124	
	<u>Coarse river sand filling supplied by the contractor</u>			
113	In sub-soil drain trenches	m3	16	
	<u>Stone filling of 19mm broken stone</u>			
114	In sub-soil drain trenches around pipes	m3	82	
	<u>River stone filling of 50mm to 200mm broken stone</u>			
115	In sub-soil drain trenches around pipes	m3	148	
	<u>Geofabric filter blanket</u>			
116	Geotextile geofabric filter blanket wrapped around stone encasing with end laps, including stitching.	m2	396	
	<u>HDPE pipes</u>			
	<u>Half perforated uPVC flexible drainage pipes</u>			
117	110mm diameter half perforated pipes laid in stone encasing (encasing elsewhere)	m	120	
	Carried to Collection			R
	MAIN LIBRARY			
	Bill No. 14			
	PLUMBING AND DRAINAGE (PROVISIONAL)			
	DPW			

Section No. 2

Bill No. 14

PLUMBING AND DRAINAGE (PROVISIONAL)

COLLECTION

Total Brought Forward from Page No.

**Page
No**

Amount

100

101

102

103

104

105

106

107

108

109

110

111

112

113

Carried Forward to Summary of Section No. 2

R

MAIN LIBRARY

Bill No. 14

PLUMBING AND DRAINAGE (PROVISIONAL)

DPW

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO.2</u></p> <p><u>BILL NO.15</u></p> <p><u>GLAZING</u></p> <p>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Proprietary products in descriptions:</u></p> <p>Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.</p> <p><u>Glazing to timber fixed with beads (elsewhere measured):</u></p>			
1	4 mm Clear sheet glass in panes exceeding 0,1 and not exceeding 0,5 m2.	m2	3	
	<p><u>TOPS, SHELVES, DOORS, MIRRORS, ETC.</u></p> <p><u>6mm framed mirror with edges holed for and fixed with screws with rubber buffers to plugs in brickwork or concrete:</u></p>			
2	Mirror 600 x 1200mm high.	No	8	
	<p>Carried Forward to Summary of Section No. 2</p>			R
	<p>MAIN LIBRARY Bill No. 15 GLAZING DPW</p>			

Item No		Quantity	Rate	Amount
	<u>SECTION NO.2</u>			
	<u>BILL NO. 17</u>			
	<u>EXTERNAL WORKS</u>			
	<u>SOFT LANDSCAPING</u>			
1	Cultivation and preparation of areas to be planted	m2	1 489	
	<u>Ground preparation</u>			
	<u>Topsoil, compost, lime and fertilizer</u>			
2	Topsoil obtained from prescribed stock piles on site in plant beds, grassed areas and holes for trees, shrubs, etc	m3	298	
3	Compost in plant beds, holes for trees, shrubs, etc	m3	34	
	<u>Trees with and including timber tree guards</u>			
4	Trees 600mm high	No	25	
	<u>Shrubs, bulbs and plants</u>			
5	Agapanthus spp. "Blue" weighing 2kg	m2	790	
	<u>Grassing, ground covers, etc</u>			
6	"Kikuyu" or similar sods approximately 500 x 500 x 50mm thick	m2	1 489	
	<u>IRRIGATION SYSTEM</u>			
	<u>BUDGETARY ALLOWANCE</u>			
7	Budgetary allowance of R120 000.00 (Hundred and Twenty thousand rand) for irrigation system		Item	120 000.00
8	Profit and attendance on soft and hard landscaping		Item	
	<u>ELEVATED WATER STORAGE TANK</u>			
	Carried to Collection			R
	MAIN LIBRARY			
	Bill No. 16			
	EXTERNAL WORKS (PROVISIONAL)			
	DPW			

	<u>EXCAVATIONS</u>			
	<u>Excavation in earth not exceeding 2m deep</u>			
9	Bases (LI)	m3	8	
	<u>SUNDRIES</u>			
	<u>Extra over all excavations for carting away</u>			
10	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the Contractor (LI)	m3	8	
	<u>Risk of collapse of excavations</u>			
11	Sides of trenches and holes excavations not exceeding 1.5m deep	m2	30	
	<u>FILLING, ETC</u>			
	<u>Sabunga earth filling supplied by the contractor compacted to 95% Mod AASHTO density</u>			
12	Backfilling to trenches, holes, etc (LI)	m3	3	
	<u>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>			
	<u>15MPa/10mm concrete</u>			
13	Surfaces blinding under footings and bases	m3	1	
	<u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>			
	<u>25MPa/19mm concrete</u>			
14	Bases	m3	1	
15	Slabs	m3	2	
	<u>REINFORCED CONCRETE CAST ON/IN FORMWORK</u>			
	<u>30MPa/19mm concrete</u>			
16	Stub columns	m3	1	
	Carried to Collection			R
	MAIN LIBRARY			
	Bill No. 16			
	EXTERNAL WORKS (PROVISIONAL)			
	DPW			

	<u>CONCRETE SUNDRIES</u>				
	<u>"SikaGrout-212" cementitious grout</u>				
17	Bedding approximately 20mm thick behind 210 x 210mm anchor plate, including chamfered edges all round	No	4		
	<u>REINFORCEMENT</u>				
	<u>High tensile steel reinforcement to structural concrete work</u>				
18	10mm Diameter bars	t	3.00		
	<u>GALVANIZED STEEL COLUMNS AND BEAMS</u>				
	<u>Holding down bolts to trusses. etc</u>				
19	16mm Diameter U-shaped mild steel anchor bolt 1 200mm girth, with galvanised nut and washer	No	4		
	<u>WATER SUPPLIES</u>				
	<u>Storage water tanks, etc</u>				
20	Provide a sum of (R 285, 000.00) Two Hundred and Eighty Five Thousand Rand for the design, supply and install of a 10kl elevated water storage tank with and including structural steel stand, complete (as per engineer's drawing and specifications, both attached) (foundation elsewhere measured)		Item		285 000.00
21	Profit and attendance on water storage tank		Item		
	<u>BENCHES, TABLES, ETC</u>				
	<u>"Old World Concretes" garden furniture with brown exposed aggregate finish to precast concrete components, including excavation, backfilling and unreinforced concrete footing where applicable</u>				
22	Benches 435 x 1 800 x 455mm high	No	4		
23	Round concrete litter bins, size 495 diameter x 760mm high	No	4		
	Carried to Collection				R
	MAIN LIBRARY				
	Bill No. 16				
	EXTERNAL WORKS (PROVISIONAL)				
	DPW				

ROADWORK, PARKING AREAS AND PAVING

Open face excavation not exceeding 2m deep:

24	Trenches (LI)	m3	47	
----	---------------	----	----	--

Extra over all excavations for carting away

25	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the Contractor (LI)	m3	47	
----	---	----	----	--

Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 98% Mod AASHTO density

26	Under floors, steps, paving, etc	m3	180	
----	----------------------------------	----	-----	--

Earth filling supplied by the contractor under roads, paving, etc

27	Over site of G2 base course material in accordance with SABS 1200 ME, compacted to 98% Mod AASHTO density (LI)	m3	171	
----	--	----	-----	--

28	Over site G5 sub-base material in accordance with SABS 1200 ME, compacted to 97% Mod AASHTO density (LI)	m3	171	
----	--	----	-----	--

29	Over site of G7 lower sub-grade material in accordance with SABS 1200 ME, compacted to 97% MOD AASHTO density (LI)	m3	171	
----	--	----	-----	--

50mm Coarse river sand filling supplied by the contractor, compacted to 100% Mod AASHTO density

30	Under floors (LI)	m2	1 141	
----	-------------------	----	-------	--

Compaction of surfaces

31	Compaction of ground surface under pavings etc, including scarifying for depth of 300mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% Mod AASHTO density (LI)	m2	1 141	
----	--	----	-------	--

Carried to Collection

R

MAIN LIBRARY
 Bill No. 16
 EXTERNAL WORKS (PROVISIONAL)
DPW

SOIL POISONING

Approved brand of anti-termite soil poison applied by a Registered Pest Control Company and guaranteed against termite infestation for ten years:

32	Treat filling under concrete beds with 'Chlordane Heptachlor Aldrin' or equal approved.	m2	1 141	
----	---	----	-------	--

ROAD SURFACING, ETC

80mm "Corobrik Wheatstone Paver PB" or similar approved interlocking roadstone paving

33	Paving to parking areas etc to falls on 25mm thick clean river sand (preparation of ground or filling elsewhere measured), including soil insecticide (LI)	m2	283	
----	--	----	-----	--

34	Circular cutting (LI)	m	14	
----	-----------------------	---	----	--

80mm "Bosun Brick Citylock pavers" or similar approved interlocking roadstone paving

35	Paving to parking areas etc to falls on 25mm thick clean river sand (preparation of ground or filling elsewhere measured), including soil insecticide (LI)	m2	835	
----	--	----	-----	--

36	Circular cutting (LI)	m	23	
----	-----------------------	---	----	--

25MPa/19mm reinforced concrete

37	Paving to parking areas, roads, etc to falls	m3	30	
----	--	----	----	--

Fabric reinforcement

38	Type 395 fabric reinforcement in concrete surface beds, slabs, etc	m2	136	
----	--	----	-----	--

Concrete stormwater channels

39	25MPa/19mm reinforced concrete in bottoms and sides of channels	m3	10	
----	---	----	----	--

40	Finishing bottoms of channels smooth with a steel trowel to falls	m2	25	
----	---	----	----	--

41	Rough formwork to sides of channels	m2	12	
----	-------------------------------------	----	----	--

Carried to Collection

R

MAIN LIBRARY
Bill No. 16
EXTERNAL WORKS (PROVISIONAL)
DPW

42	Smooth formwork to sides of channels above sloping bottoms	m2	6	
43	12mm Expansion joints with softboard between concrete sides of channels not exceeding 300mm wide	m	45	
44	Type 245 fabric reinforcement in concrete bottoms and sides of channels	m2	25	
45	60 x 60 x 8mm Angle galvanised steel bearers with R10 (90 x 50) bent lugs welded on, including embedding in concrete (as per Civil engineer's drawing)	kg	170	
46	Extra over for mitred and welded L-intersection	No	2	
47	"Mentis Rectagrid" type RS 40 grille gratings with 40 x 4.5mm bearer bars, of 600mm wide banded panels in suitable lengths	m	5	
<u>Precast concrete finished smooth on exposed surfaces, including bedding, jointing and pointing</u>				
48	Barrier kerbs (SABS 927) 150 x 250mm high overall with 15MPa unreinforced concrete 200 x 150mm haunching and 460 x minimum 75mm thick bedding	m	215	
49	Barrier kerbs (SABS 927 figure 4) 150 250mm high overall with 15MPa unreinforced concrete 200 x 150mm haunching and 460 x minimum 75mm thick bedding circular on plan with radius not exceeding 4m	m	23	
<u>Roads marking paint on brick paving with non reflective paint, complete</u>				
50	100mm Wide solid white line	m	125	
51	100mm wide solid red line	m	32	
52	200mm wide solid white line	m	10	
53	Standard "Stop" road marking size 4 000mm long overall (colour: white - GM7)	No	1	
54	Standard "Paraplegic" road marking size 1 500 x 2 000mm high overall (colour: yellow)	No	2	
55	Traffic arrow 1 200 x 500mm wide extreme	No	2	
Carried to Collection				R
MAIN LIBRARY Bill No. 16 EXTERNAL WORKS (PROVISIONAL) DPW				

<u>Posts, Stays, etc</u>				
64	75 x 75 x 2mm posts sealed with a UV stabalized polymer cap including coating and locking recessmechanism (footing elsewhere measured)	No	103	
<u>Clearvu panels</u>				
65	Clearvu high anti-climbing and anti-cut pressed mesh panel fencing 1.8m high, formed of 4mm diameter horizontal and 4mm diameter vertical high tensile wires galvanised with alu-galv coating.Panel width: 3.382 wire with aperature size(centres) at 76.2mm x 12.7mm and reinforcing V-section ribs, bolted with vandal resistant bolts and clamping plates to be 85-45mm taper locking posts.	No	91	
<u>Gates</u>				
66	1.8 high x 6m wide sliding gate including coil and heavy duty rail, panel 1.8m high CV reinforced, 3mm diameter galvanised wire with aperture size(centres) 76.2mm x 6m mesh galvanised, locking device with lock box, two gate wheels,standard gate rail, gate guide, guide wheel, stopper, base pin, anti lift, handle, topping, all joining plates and then marine fusion bond coating (acid modified). All complete and in accordance to maunfactures recommendation.	No	1	
67	1.8 high x 1.272m wide pedestrain gate including coil and heavy duty rail, panel 1.8m high CV reinforced, 3mm diameter galvanised wire with aperture size(centres) 76.2mm x 6m mesh galvanised, locking device, medium hinges, cover plate, grab handle, toping and then marine fusion bond coating (acid modified). All complete and in accordance to manufactures recommendation.	No	1	
<u>SUNDRIES</u>				
<u>Bicycle storage facility</u>				
68	1 000mm high bicycle racks formed of 40 x 1.5mm thick galvanised tubular steel posts and 1 000mm long hand ray, cast and bolted in and including 400 x 300mm deep concrete base (LI)	No	1	
Carried to Collection				R
MAIN LIBRARY				
Bill No. 16				
EXTERNAL WORKS (PROVISIONAL)				
DPW				

Section No. 2

Bill No. 16

EXTERNAL WORKS (PROVISIONAL)

COLLECTION

Total Brought Forward from Page No.

**Page
No**

Amount

116

117

118

119

120

121

122

123

Carried Forward to Summary of Section No. 2

R

MAIN LIBRARY

Bill No. 16

EXTERNAL WORKS (PROVISIONAL)

DPW

Section No. 2

SECTION SUMMARY - MAIN LIBRARY

Bill No		Page No	Amount
1	EARTHWORKS (PROVISIONAL)	50	
2	CONCRETE FORMWORK AND REINFORCEMENT	55	
3	MASONARY	60	
4	WATERPROOFING	64	
5	ROOF COVERING, ETC	67	
6	CARPENTRY AND JOINERY	76	
7	CEILINGS, PARTITIONS AND ACCESS FLOORING	79	
8	FLOOR COVERING, WALL LININGS, ETC	80	
9	IRONMONGERY	88	
10	STRUCTURAL STEELWORK (PROVISIONAL)	89	
11	METALWORK	93	
12	PLASTERING	96	
13	TILING	99	
14	PLUMBING AND DRAINAGE (PROVISIONAL)	114	
15	GLAZING	115	
16	EXTERNAL WORKS (PROVISIONAL)	124	
	Carried to Final Summary		R
	MAIN LIBRARY		
	DPW		

Item No		Quantity	Rate	Amount
	<u>SECTION NO.4</u>			
	<u>BILL NO.1</u>			
	<u>OCCUPATIONAL HEALTH AND SAFETY</u>			
1	(C.01 Preparation of the Contractor's site specific Health and safety Plan	Item		
2	(C.02) Principal Contractor's initial obligations in respect of the Occupational Health and Safety Act and Construction Regulations.	Item		
3	(C.03) Principal contractor's time related obligations in respect of the Occupational Health and Safety Act and Construction Regulations.	Item		
	<u>(C.04 Provision of Personal Protective Equipment (PPE)</u>			
4	Reflective vests.	Item		
5	Hard hats.	Item		
6	Protective foot wear.	Item		
7	Earplugs	Item		
8	Gloves.	Item		
9	High visibility overalls to SARTSM Chapter 13 Level 3. All overalls must be orange with EPWP (30 centimetres) letters on the back of the jacket and company logo on the heart pocket.	Item		
10	(C.05) Provision of full time Construction Health and Safety Officer.	Item		
	<u>(C.09) Noise monitoring</u>			
	Carried to Collection		R	
	OCCUPATIONAL HEALTH AND SAFETY			
	Bill No. 1			
	OCCUPATIONAL HEALTH AND SAFETY			
	DPW			

(C.06) Cost of medical certificates and medical surveillance

- | | | |
|----|--|------|
| 11 | Initial (baseline) medical examinations. | Item |
| 12 | Periodic and exit examinations. | Item |
| 13 | Contractor's charges to allow for handling costs and profit in respect of sub items 13/X.06(a) and (b) | Item |
| 14 | (C.07) Induction training. | Item |
| 15 | (C.08) Provision of first Aid Boxes to GRS requirements. | Item |

(C.09) Noise monitoring

- | | | |
|----|--|------|
| 16 | Establishment of noise zones (plant) | Item |
| 17 | Audiograms (personnel) | Item |
| 18 | (C.10) Submission of Health and Safety File. | Item |

Carried to Collection

OCCUPATIONAL HEALTH AND SAFETY
Bill No. 1
OCCUPATIONAL HEALTH AND SAFETY
DPW

R

Section No. 3

Bill No. 1

OCCUPATIONAL HEALTH AND SAFETY

COLLECTION

Total Brought Forward from Page No.

**Page
No**

126

127

Amount

Carried to Final Summary

OCCUPATIONAL HEALTH AND SAFETY

Bill No. 1

OCCUPATIONAL HEALTH AND SAFETY

DPW

R

Item No		Quantity	Rate	Amount
	<u>SECTION 4 PROVISIONAL AMOUNTS</u>			
	<u>BILL NO. 1</u>			
	<u>BUDGETARY ALLOWANCES</u>			
1	Provide the amount of R250,000.00 (two hundred and fifty thousand rand) for EPWP training, including accomodation and transport of the EPWP trainees to be co-ordinated by contractor	Item		250 000.00
2	Provide the amount of R270,000.00 (two hundred and seventy thousand rand) for EPWP in-service training of (2) graduate student/ intern to be co-ordinated by contractor.	Item		270 000.00
3	Provide the amount of R165,000.00 (one hundred and sixty five thousand rand) for EPWP in-service training of (2) undergraduate students to be co-ordinated by contractor.	Item		165 000.00
4	Provide the amount of R150,000.00 (one hundred and fifty thousand rands) for the appointment of Community Liason Officer to be co-ordinated by contractor	Item		150 000.00
5	Provide the amount of R29,000.00 (Twenty nine thousand rands) for the appointment of of the stirring committee to be co-ordinated by contractor.	Item		29 000.00
6	Provide the amount of R180,000.00 (one hundred and eighty thousand rand) for the appointment of trade tested artisans (APTCOD) to be co-ordinated by contractor	Item		180 000.00
7	Provide the amount of R500,000.00 (Five hundred thousand rand) for the provision of OHS specification as required by the Principal Agent in line with Occupational Health and Safety Regulations.	Item		500 000.00
8	Provide the amount of R150,000.00 (One hundred and fifty thousand rands) for Topographical Survey and Cadastral.	Item		150 000.00
	Carried to Collection		R	
	PROVISIONAL AMOUNTS			
	Bill No. 1			
	PROVISIONAL AMOUNTS			
	DPW			

CONSTRUCTION OF NEW NTABANKULU PUBLIC LIBRARY
SCMU5-22/23-0167

9	Provide the amount of R400,000.00 (Four hundred thousand rands) for a Backup Generator.	Item	400 000.00
	<u>Clerk of Works</u>		
10	Provide the sum of R 1 200 000, 000.00 (One Million Two hundred thousand only) for employment of an experienced full-time Clerk of Works/ resident engineer to be recruited and employed by Department of Roads and Public Works	Item	1 200 000.00
	<u>IT Installation</u>		
11	Provide the sum of R1,500,000.00 (One Million Five Hundred Rand) for IT installation to be executed by specialist selected sub-contractor.	Item	1 500 000.00
12	Profit	Item	
13	Attendance	Item	
	Carried to Collection		
	PROVISIONAL AMOUNTS		
	Bill No. 1		
	PROVISIONAL AMOUNTS		
	DPW		
		R	

Section No. 4

Bill No. 1

PROVISIONAL AMOUNTS

COLLECTION

Total Brought Forward from Page No.

**Page
No**

129

130

Amount

Carried to Final Summary

R

PROVISIONAL AMOUNTS
Bill No. 1
PROVISIONAL AMOUNTS
DPW

Item No		Quantity	Rate	Amount
	<u>SECTION 5 : LOCAL SMME PACKAGES</u>			
	<u>BILL NO. 1</u>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Conditions of Local SMME packages:</u>			
	The following provisional sums are for the work to be executed by local SMME's which will be regarded as sub-contractors to the main contractors. The works are not limited to the identified works and allocation will be to the discretion and approval of the Principal Agent.			
	<u>EPWP Training</u>			
1	Provide the amount of R250,000.00 (two hundred and fifty thousand rand) for EPWP training, including accomodation and transport of the EPWP trainees to be co-ordinated by SMME contractor	Item		250 000.00
2	Profit.	Item		
3	Attendance	Item		
	<u>HVAC and fire protection installation</u>			
4	Provide the amount of R2,000,000.00 (Two million rand) for HVAC installation and fire protection installation.	Item		2 000 000.00
5	Profit	Item		
6	Attendance	Item		
	<u>Electrical and Electronic Installation and connection:</u>			
7	Provide the amount of R3,000,000.00 (Three million rand) for electrical and electronic installation and connection	Item		3 000 000.00
8	Profit	Item		
	Carried to Collection		R	
	LOCAL SMME PACKAGES			
	Bill No. 1			
	LOCAL SMME PACKAGES			
	DPW			

CONSTRUCTION OF NEW NTABANKULU PUBLIC LIBRARY
SCMU5-22/23-0167

9	Attendance	Item	
	<u>Furniture</u>		
10	Provide the amount of R1,600,000.00 (One million, Six hundred thousand rand) for Office furniture to client specification to be co-ordinated by contractor	Item	1 600 000.00
11	Profit	Item	
12	Attendance	Item	
	<u>Paintwork</u>		
13	Provide the amount of R190,000.00 (One hundred and ninety thousand rand) for paintwork to be done by a local SMME contractor.	Item	190 000.00
14	Profit.	Item	
15	Attendance.	Item	
	<u>Guard House</u>		
16	Provide the amount of R550,000.00 (Five hundred and fifty thousand rand) for construction of the guard house by a local SMME contractor.	Item	550 000.00
17	Profit.	Item	
18	Attendance.	Item	
	<u>Fencing</u>		
19	Provide the amount of R800,000.00 (Eight hundred thousand rand) for fencing to be constructed by a local SMME contractor	Item	800 000.00
20	Profit.	Item	
21	Attendance.	Item	
	Carried to Collection		R
	LOCAL SMME PACKAGES		
	Bill No. 1		
	LOCAL SMME PACKAGES		
	DPW		

Roadworks, paving and parking area

22	Provide the amount of R1,000,000.00 (One million rand) for roadworks, paving and parking area to be constructed by a local SMME contractor.	Item	1 000 000.00
23	Profit.	Item	
24	Attendance.	Item	

Monitoring and mentoring SMME contractors

25	Provide the amount of R400,000.00 (Four hundred thousand rand) for monitoring and mentoring of local SMME contractors.	Item	400 000.00
26	Profit.	Item	
27	Attendance.	Item	

Carried to Collection

R

LOCAL SMME PACKAGES
 Bill No. 1
 LOCAL SMME PACKAGES
DPW

Section No. 5

Bill No. 1

LOCAL SMME PACKAGES

COLLECTION

Total Brought Forward from Page No.

**Page
No**

Amount

132

133

134

Carried to Final Summary

R

LOCAL SMME PACKAGES
Bill No. 1
LOCAL SMME PACKAGES
DPW

Section No	<u>FINAL SUMMARY</u>	Page No	Amount
1	PRELIMINARIES	44	
2	MAIN LIBRARY	125	
	TOTAL OF BUILDING WORKS		R
3	OCCUPATIONAL HEALTH AND SAFETY	128	
4	PROVISIONAL AMOUNTS	131	
5	LOCAL SMME PACKAGES	135	
	Sub Total		R
	<u>CPAP</u>		
	Allow a CPAP amount of R2 500 000-00 (Two million Five Hundred Thousand Rand) to be used for contract price adjustment.		R 2 500 000.00
	<u>CONTINGENCY</u>		
	Allow a contingency amount of R2 000 000-00 (Two Million Rand) to be used as directed by the Project Manager.		R 2 000 000.00
	Sub Total		R
	Vat 15%		R
	Carried to Form of Tender		R
	DPW		