



public works
& infrastructure

Department:
Public Works and Infrastructure
REPUBLIC OF SOUTH AFRICA

TENDER No: KIN 13.1/2021

CLOSING DATE: 19 NOVEMBER 2021

PROCUREMENT DOCUMENTS

VOLUME 2: RETURNABLE DOCUMENTS

DEPARTMENT OF EMPLOYMENT AND LABOUR

**TOTAL REFURBISHMENT
OF
EXISTING LABOUR OFFICES**

AT

UPINGTON

NORTHERN CAPE PROVINCE

**DEPARTMENT OF PUBLIC WORKS
INFRASTRUCTURE
KIMBERLEY REGIONAL OFFICE
PRIVATE BAG X5002
KIMBERLEY
8300**

**PROJECT MANAGER:
GRAHAM MARTIN**

OCTOBER 2021



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REPUBLIC OF SOUTH AFRICA

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TOTAL REFURBISHMENT
OF
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AT
UPINGTON
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OCTOBER 2021

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T2.1 LIST OF RETURNABLE DOCUMENTS

PA-09 (EC): LIST OF RETURNABLE DOCUMENTS

| | | | |
|--------------------|---|---------------|-------------------|
| Project title: | <i>Upington:Employment and Labour:Total refurbishment of existing labour office</i> | | |
| Tender / Quote no: | KM 13/2021 | Reference no: | 19/2/4/2/2349/192 |
| Receipt Number: | | | |

1. RETURNABLE DOCUMENTS REQUIRED FOR TENDER EVALUATION PURPOSES

Note: Failure to submit the applicable documents will result in the tender offer being disqualified from further consideration.

| Tender document name | Number of pages issued | Returnable document |
|---|------------------------|---------------------|
| Form of Offer and Acceptance (DPW-07 EC) | 4 Pages | Yes |
| Declaration of Interest and Tenderer's Past Supply Chain Management Practices (PA-11) | 4 Pages | Yes |
| Submission of (PA-29): Certificate of Independent Bid Determination | 4 Pages | Yes |
| Resolution of Board of Directors (PA-15.1) <i>(if applicable)</i> | 1 Page | Yes |
| Resolution of Board of Directors to enter into Consortia or JV's (PA-15.2) <i>(if applicable)</i> | 2 Pages | Yes |
| Special Resolution of Consortia or JV's (PA-15.3) <i>(if applicable)</i> | 3 Pages | Yes |
| Site Inspection Meeting Certificate (DPW-16 EC) <i>(if applicable)</i> | 1 Page | Yes |
| Particulars of Tenderer's Projects (DPW-09 EC) | | |
| | | |
| | | |
| | | |

2. ADDITIONAL RETURNABLE DOCUMENTS REQUIRED FOR TENDER EVALUATION PURPOSES

Note: Failure to submit the applicable documents will result in the Tenderer having to submit same upon request within a stipulated time and if not complied with, will result in the tender offer being disqualified from further consideration. [See also F.2.18 of the Standard Conditions of Tender]

| Tender document name | Number of pages issued | Returnable document |
|---|------------------------|---------------------|
| Any <u>additional</u> information required to complete a risk assessment <i>(if applicable)</i> | - | Yes |

3. RETURNABLE DOCUMENTS THAT WILL BE INCORPORATED INTO THE CONTRACT

Note: Failure to submit the applicable documents will result in the Tenderer having to submit same upon request within a stipulated time and if not complied with, will result in the tender offer being disqualified from further consideration. [See also F.2.18 of the Standard Conditions of Tender]

| Tender document name | Number of pages issued | Returnable document |
|--|------------------------|---------------------|
| Record of Addenda to tender documents (DPW-21 EC) <i>(if applicable)</i> | 1 Page | Yes |
| Schedule of proposed sub-contractors (DPW-15 EC) <i>(if applicable)</i> | 1 Page | Yes |
| Particulars of Electrical Contractor (DPW-22 EC) <i>(if applicable)</i> | 1 Page | Yes |

| | | |
|--|--------|-----|
| Mechanical / Electrical / Security Work material and equipment schedules (if applicable) | Pages | Yes |
| Schedule for Imported Materials and Equipment (DPW-23 EC) (if applicable) | 1 Page | Yes |

4. OTHER DOCUMENTS THAT WILL BE INCORPORATED INTO THE CONTRACT

(Insert a tick in the "Returnable document" column to indicate which documents must be returned with the tender)

Note: Failure to submit the applicable documents will result in the tender offer being disqualified from further consideration.

| Tender document name | Number of pages issued | Returnable document |
|---|------------------------|---|
| Priced Bills of Quantities / Lump Sum Document (complete document inclusive of all parts) | 141 Pages | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| Electrical Bills of Quantities | 66 Pages | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| Airconditioning Bills of Quantities | Pages | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| insert document name | Pages | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| insert document name | Pages | <input type="checkbox"/> Yes <input type="checkbox"/> No |

5. ADDITIONAL INFORMATION THAT MAY BE REQUIRED FOR TENDER EVALUATION PURPOSES

| Legal Status of Tendering Entity: | Documentation to be submitted with the tender, or which may be required during the tender evaluation: |
|---|--|
| If the Tendering Entity is: | |
| a. A close corporation, incorporated prior to 1 May 2011 under the Close Corporations Act, 1984 (Act 69 of 1984, as amended) | Copies of the Founding Statement – CK1 |
| b. A profit company duly registered as a private company. [including a profit company that meets the criteria for a private company, whose Memorandum of Incorporation states that the company is a personal liability company in terms of Section 8(2)(c) of the Companies Act, 2008 (Act 71 of 2008, as amended)]. | Copies of: i. Certificate of Incorporation – CM1; ii. Shareholding Certificates of all Shareholders of the company, plus a signed statement of the company's Auditor, certifying each Shareholder's ownership / shareholding percentage relative to the total; and/or iii. Memorandum of Incorporation in the case of a personal liability company. |
| c. A profit company duly registered as a private company in which any, or all, shares are held by one or more other close corporation(s) or company(ies) duly registered as profit or non-profit company(ies). | Copies of documents referred to in a. and/or b. above in respect of all such close corporation(s) and/or company(ies). |
| d. A profit company duly registered as a public company. | Copy of Certificate of Incorporation – CM1, and a signed statement of the company's Secretary or Auditor confirming that the company is a public company. |



List of Returnable Documents: PA-09 (EC)

| | |
|--|---|
| e. A non-profit company, incorporated in terms of Section 10 and Schedule 1 of the Companies Act, 2008 (Act 71 of 2008, as amended). | Copies of: i the Founding Statement – CK1; and ii the Memorandum of Incorporation setting out the object of the company, indicating the public benefit, cultural or social activity, or communal or group interest. |
| f. A natural person, sole proprietor or a Partnership | Copy(ies) of the Identity Document(s) of: i. such natural person/ sole proprietor, or each of the Partners to the Partnership. |
| g. A Trust | Deed of Trust duly indicating names of the Trustee(s) and Beneficiary (ies) as well as the purpose of the Trust and the mandate of the Trustees. |

Signed by the Tenderer

| | | |
|-------------------------------|------------------|-------------|
| | | |
| Name of representative | Signature | Date |

C1.1 FORM OF OFFER AND ACCEPTANCE

DPW-07 (EC): FORM OF OFFER AND ACCEPTANCE

| | | | |
|-----------------------|---|----------------------|----------------------------|
| Project title: | Upington:Employment and Labour:Total refurbishment of existing labour office | | |
| Tender no: | KM 13/2021 | Reference no: | 19/2/4/2/2/2349/192 |

OFFER

The Employer, identified in the acceptance signature block, has solicited offers to enter into a contract for the procurement of:

Upington:Employment and Labour:Total refurbishment of existing labour office

The Tenderer, identified in the offer signature block, has examined the documents listed in the tender data and addenda thereto as listed in the returnable schedules, and by submitting this offer has accepted the conditions of tender.

By the representative of the Tenderer, deemed to be duly authorized, signing this part of this form of offer and acceptance, the Tenderer offers to perform all of the obligations and liabilities of the Contractor under the contract including compliance with all its terms and conditions according to their true intent and meaning for an amount to be determined in accordance with the conditions of contract identified in the contract data.

THE TOTAL OFFER INCLUSIVE OF ALL APPLICABLE TAXES (All applicable taxes" includes value- added tax, pay as you earn, income tax, unemployment insurance fund contributions and skills development levies) IS :

| | |
|-------------------------|----------|
| Rand (in words): | |
| Rand in figures: | R |

The award of the tender may be subjected to further price negotiation with the preferred tenderer(s). The negotiated and agreed price will be considered for acceptance as **a firm and final offer.**

This offer may be accepted by the Employer by signing the acceptance part of this form of offer and acceptance and returning one copy of this document to the Tenderer before the end of the period of validity stated in the tender data, whereupon the Tenderer becomes the party named as the Contractor in the conditions of contract identified in the contract data.

THIS OFFER IS MADE BY THE FOLLOWING LEGAL ENTITY: (cross out block which is not applicable)

| | | |
|---|----|---|
| <p>Company or Close Corporation:</p> <p>.....</p> <p>.....</p> <p>And: Whose Registration Number is:</p> <p>.....</p> <p>And: Whose Income Tax Reference Number is:</p> <p>.....</p> <p>CSD supplier number:.....</p> | OR | <p>Natural Person or Partnership:</p> <p>.....</p> <p>.....</p> <p>Whose Identity Number(s) is/are:</p> <p>.....</p> <p>Whose Income Tax Reference Number is/are:</p> <p>.....</p> <p>CSD supplier number:.....</p> |
|---|----|---|

AND WHO IS (if applicable):

| |
|--|
| Trading under the name and style of: |
|--|

AND WHO IS:

*Any reference to words "Bid" or "Bidder" herein and/or in any other documentation shall be construed to have the same meaning as the words "Tender" or "Tenderer".

**Any reference to the words "payment reduction" herein shall be construed to have the same meaning as the word "retention"

| | |
|---|---|
| Represented herein, and who is duly authorised to do so, by: Mr/Mrs/Ms: In his/her capacity as: | Note: A Resolution / Power of Attorney, signed by all the Directors / Members / Partners of the Legal Entity must accompany this Offer, authorising the Representative to make this offer. |
|---|---|

Tender no: **KM 13/2021**

SIGNED FOR THE TENDERER:

| | | |
|------------------------|-----------|------|
| | | |
| Name of representative | Signature | Date |

WITNESSED BY:

| | | |
|-----------------|-----------|------|
| | | |
| Name of witness | Signature | Date |

This Offer is in respect of: (Please indicate with an "X" in the appropriate block)

- The official documents /N/A/
- The official alternative
- Own alternative (only if documentation makes provision therefore) ..

SECURITY OFFERED:

- (a) the Tenderer accepts that in respect of contracts up to R1 million, a payment reduction** of 5% of the contact value (excluding VAT) will be applicable and will be deducted by the Employer in terms of the applicable conditions of contract
- (b) in respect of contracts above R1 million, the Tenderer offers to provide security as indicated below:
- (1) cash deposit of 10 % of the Contract Sum (excluding VAT) Yes No
 - (2) variable construction guarantee of 10 % of the Contract Sum (excluding VAT) Yes No
DPW-10.3 EC (JBCC)
 - (3) payment reduction of 10% of the value certified in the payment certificate (excluding VAT) Yes No
 - (4) cash deposit of 5% of the Contract Sum (excluding VAT) and a payment reduction of 5% of the value certified in the payment certificate (excluding VAT) Yes No
 - (5) fixed construction guarantee of 5% of the Contract Sum (excluding VAT) and a payment reduction of 5% of the value certified in the payment certificate (excluding VAT) Yes No
DPW-10.1 EC (JBCC)

NB. Guarantees submitted must be issued by either an insurance company duly registered in terms of the Short-Term Insurance Act, 1998 (Act 35 of 1998) or by a bank duly registered in terms of the Banks Act, 1990 (Act 94 of 1990) on the pro-forma referred to above. No alterations or amendments of the wording of the pro-forma will be accepted.

The Tenderer elects as its *domicilium citandi et executandi* in the Republic of South Africa, where any and all legal notices may be served, as (physical address):

.....

Other Contact Details of the Tenderer are:

Telephone No..... Cellular Phone No.

*Any reference to words "Bid" or "Bidder" herein and/or in any other documentation shall be construed to have the same meaning as the words "Tender" or "Tenderer".

**Any reference to the words "payment reduction" herein shall be construed to have the same meaning as the word "retention" Page 2 of 4

Fax No
 Postal address
 Banker Branch.....
 Registration No of Tenderer at Department of Labour
 CIDB Registration Number:

Tender no: KM 13/2021

ACCEPTANCE

By signing this part of this form of offer and acceptance, the Employer identified below accepts the Tenderer's offer. In consideration thereof, the Employer shall pay the Contractor the amount due in accordance with the conditions of contract identified in the
 Part 3 Scope of work.
 Part 4 Site information

and drawings and documents or parts thereof, which may be incorporated by reference into Parts 1 to 4 above.

Deviations from and contract data. Acceptance of the Tenderer's offer shall form an agreement between the Employer and the Tenderer upon the terms and conditions contained in this agreement and in the contract that is the subject of this agreement.

The terms of the contract, are contained in:

Part 1 Agreement and contract data, (which includes this agreement)
 Part 2 Pricing data

amendments to the documents listed in the tender data and any addenda thereto as listed in the tender schedules as well as any changes to the terms of the offer agreed by the Tenderer and the Employer during this process of offer and acceptance, are contained in the schedule of deviations attached to and forming part of this agreement. No amendments to or deviations from said documents are valid unless contained in this schedule.

The Tenderer shall within two weeks after receiving a completed copy of this agreement, including the schedule of deviations (if any), contact the Employer's agent (whose details are given in the contract data) to arrange the delivery of any bonds, guarantees, proof of insurance and any other documentation to be provided in terms of the conditions of contract identified in the contract data. Failure to fulfil any of these obligations in accordance with those terms shall constitute a repudiation of this agreement.

Notwithstanding anything contained herein, this agreement comes into effect, if delivered by hand on the day of delivery, or if delivered by courier within two working days after submission by the Employer to the courier services for a door-to-door delivery to the Tenderer, provided that the Employer notifies the Tenderer of the tracking number within 24 hours of such submission. Unless the Tenderer (now Contractor) within seven working days of the date of such submission notifies the Employer in writing of any reason why he cannot accept the contents of this agreement, this agreement shall constitute a binding contract between the parties.

For the Employer:

| | | |
|-------------------|-----------|------|
| | | |
| Name of signatory | Signature | Date |

| | |
|------------------------------|----------------------------|
| Name of Organisation: | Department of Public Works |
|------------------------------|----------------------------|

*Any reference to words "Bid" or "Bllder" herein and/or in any other documentation shall be construed to have the same meaning as the words "Tender" or "Tenderer".

**Any reference to the words "payment reduction" herein shall be construed to have the same meaning as the word "retention"
 For Internal & External Use

| | |
|---------------------------------|--|
| Address of Organisation: | |
|---------------------------------|--|

WITNESSED BY:

| Name of witness | Signature | Date |
|-----------------|-----------|------|
| | | |

Tender no: *KM 13/2021*

Schedule of Deviations

| |
|------------------------|
| 1.1.1. Subject: |
| Detail: |
| |
| 1.1.2. Subject: |
| Detail: |
| |
| 1.1.3. Subject: |
| Detail: |
| |
| 1.1.4. Subject: |
| Detail: |
| |
| 1.1.5. Subject: |
| Detail: |
| |
| 1.1.6. Subject: |
| Detail: |
| |

By the duly authorised representatives signing this agreement, the Employer and the Tenderer agree to and accept the foregoing schedule of deviations as the only deviations from and amendments to the documents listed in the tender data and addenda thereto as listed in the tender schedules, as well as any confirmation, clarification or changes to the terms of the offer agreed by the Tenderer and the Employer during this process of offer and acceptance.

It is expressly agreed that no other matter whether in writing, oral communication or implied during the period between the issue of the tender documents and the receipt by the Tenderer of a completed signed copy of this Agreement shall have any meaning or effect in the contract between the parties arising from this agreement.

*Any reference to words "Bid" or "Bidder" herein and/or in any other documentation shall be construed to have the same meaning as the words "Tender" or "Tenderer".

**Any reference to the words "payment reduction" herein shall be construed to have the same meaning as the word "retention"
For Internal & External Use

C2.2 BILLS OF QUANTITIES



public works
& infrastructure

Department:
Public Works and Infrastructure
REPUBLIC OF SOUTH AFRICA

TENDER No: KIN 13.1/2021

CLOSING DATE: 19 NOVEMBER 2021

PROCUREMENT DOCUMENTS

BILLS OF QUANTITIES

DEPARTMENT OF EMPLOYMENT AND LABOUR

TOTAL REFURBISHMENT EXISTING LABOUR OFFICES REPAIRS AND RENOVATIONS

AT

UPINGTON

NORTHERN CAPE PROVINCE

**DEPARTMENT OF PUBLIC WORKS &
INFRASTRUCTURE
KIMBERLEY REGIONAL OFFICE
PRIVATE BAG X5002
KIMBERLEY
8300**

**PROJECT MANAGER:
GRAHAM MARTIN**

OCTOBER 2021

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SECTION 1**PRELIMINARIES****MEANING OF TERMS "TENDER / TENDERER"**

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"

PRELIMINARIES

The JBCC Preliminaries Code 2103, May 2005 edition for use with the JBCC Principal Building Agreement Edition 4.1 Code 2101, March 2005 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"

PRICING OF PRELIMINARIES

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

Items not priced in these Preliminaries shall be deemed to be included elsewhere in these Bills of Quantities

SECTION A: JBCC PRINCIPAL BUILDING AGREEMENT**DEFINITIONS**

A1.0

DEFINITIONS AND INTERPRETATION

Clause 1.0

Clause 1.1 Definition of "**Commencement Date**" is added:

"**COMMENCEMENT DATE**" means the date that the agreement, made in terms of the Form of Offer and Acceptance, comes into effect

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 Practice**" 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 the 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:

"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 words "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

A2.0

OFFER, ACCEPTANCE AND PERFORMANCE

Clause 2.0

Fixed: _____ Value related: _____ Time related: _____
Item

A3.0

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

A4.0

DESIGN RESPONSIBILITY

Clause 4.0

Clause 4.3 is amended by replacing it with the following:

No clause

Fixed: _____ Value related: _____ Time related: _____
Item

SECTION 1: PRELIMINARIES (SECTION A)

Each Item Carried to Collection

| | |
|--------------|---|
| <p>A5.0</p> | <p>EMPLOYER'S AGENTS</p> <p>Clause 5.0</p> <p>Clause 5.1.2 is amended to include clauses 32.6.3, 34.3, 34.4 and 38.5.8</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p style="text-align: right;">Item</p> |
| <p>A6.0</p> | <p>SITE REPRESENTATIVE</p> <p>Clause 6.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p style="text-align: right;">Item</p> |
| <p>A7.0</p> | <p>COMPLIANCE WITH REGULATIONS</p> <p>Clause 7.0</p> <p>Note: A separate clause has been included in Section C: Specific Preliminaries of the bills of quantities / lump sum document for the contractor to have the opportunity to price for all the requirements of the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p style="text-align: right;">Item</p> |
| <p>A8.0</p> | <p>WORKS RISK</p> <p>Clause 8.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p style="text-align: right;">Item</p> |
| <p>A9.0</p> | <p>INDEMNITIES</p> <p>Clause 9.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p style="text-align: right;">Item</p> |
| <p>A10.0</p> | <p>WORKS INSURANCES</p> <p>Clause 10.0</p> <p>Clause 10.0 is amended by the addition of the following clauses:</p> <p>10.5 Damage to the Works</p> <p>(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</p> <p>(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</p> <p>(c) The employer shall carry the risk of damage to or destruction of the works and materials paid for by the employer that is the result of the excepted risks as set out in 10.6</p> <p>(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</p> |

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 negligence of any person for whose actions the employer is legally liable
- (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 negligence 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:

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

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

A11.0 **LIABILITY INSURANCES**

Clause 11.0

Fixed: _____ Value related: _____ Time related: _____
Item

A12.0 **EFFECTING INSURANCES**

Clause 12.0

Fixed: _____ Value related: _____ Time related: _____
Item

A13.0 **No clause**

A14.0 **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 provided by the **contractor** to the **employer** will be 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**

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**

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 the last certificate 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)

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

A15.0 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**

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: _____

Item

| | |
|-------|--|
| A16.0 | <p>ACCESS TO THE WORKS</p> <p>Clause 16.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p style="text-align: right;">Item</p> |
| A17.0 | <p>CONTRACT INSTRUCTIONS</p> <p>Clause 17.0</p> <p>Clause 17.1.11 is amended by deleting the words "and the appointment of nominated and selected subcontractors"</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p style="text-align: right;">Item</p> |
| A18.0 | <p>SETTING OUT OF THE WORKS</p> <p>Clause 18.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p style="text-align: right;">Item</p> |
| A19.0 | <p>ASSIGNMENT</p> <p>Clause 19.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p style="text-align: right;">Item</p> |
| A20.0 | <p>NOMINATED SUBCONTRACTORS</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> <p style="text-align: right;">Item</p> |
| A21.0 | <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> <p style="text-align: right;">Item</p> |
| A22.0 | <p>EMPLOYER'S DIRECT CONTRACTORS</p> <p>Clause 22.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p style="text-align: right;">Item</p> |

| | |
|-------|---|
| A23.0 | CONTRACTOR'S DOMESTIC SUBCONTRACTORS Clause 23.0 Fixed: _____ Value related: _____ Time related: _____ Item |
| | COMPLETION |
| A24.0 | PRACTICAL COMPLETION Clause 24.0 Fixed: _____ Value related: _____ Time related: _____ Item |
| A25.0 | WORKS COMPLETION Clause 25.0 Fixed: _____ Value related: _____ Time related: _____ Item |
| A26.0 | FINAL COMPLETION Clause 26.0 Clause 26.1.2 is amended by inserting "#" next to 26.1.2 Fixed: _____ Value related: _____ Time related: _____ Item |
| A27.0 | LATENT DEFECTS LIABILITY PERIOD Clause 27.0 Fixed: _____ Value related: _____ Time related: _____ Item |
| A28.0 | SECTIONAL COMPLETION Clause 28.0 Fixed: _____ Value related: _____ Time related: _____ Item |
| A29.0 | 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 |
| A30.0 | PENALTY FOR NON-COMPLETION Clause 30.0 Fixed: _____ Value related: _____ Time related: _____ Item |
| | PAYMENT |
| A31.0 | 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** as a payment reduction in terms of 14.7 has been selected, 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**

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

A32.0 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

| | |
|-------|--|
| 33.0 | <p>RECOVERY OF EXPENSE AND LOSS</p> <p>Clause 33.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p style="text-align: right;">Item</p> |
| A34.0 | <p>FINAL ACCOUNT AND FINAL PAYMENT</p> <p>Clause 34.0</p> <p>Clause 34.1 is amended by removing “#” next to 34.1</p> <p>Clause 34.2 is amended by inserting “#” next to 34.2</p> <p>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”</p> <p>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”</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p style="text-align: right;">Item</p> |
| A35.0 | <p>PAYMENT TO OTHER PARTIES</p> <p>Clause 35.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p style="text-align: right;">Item</p> |
| A36.0 | <p>CANCELLATION</p> <p>CANCELLATION BY EMPLOYER – CONTRACTOR’S DEFAULT</p> <p>Clause 36.0</p> <p>Clause 36.1 is amended by the addition of the following clauses:</p> <p>36.1.3 refuses or neglects to comply strictly with any of the conditions of contract</p> <p>36.1.4 estate being sequestrated, liquidated or surrendered in terms of the insolvency laws in force within the Republic of South Africa</p> <p>36.1.5 in the judgement of the employer, has engaged in corrupt or fraudulent practices in competing for or in executing the contract</p> <p>Clause 36.3 is amended by removing the reference to “No clause” and replacing the words “principal agent” with “employer”</p> <p>Clause 36.0 is amended by the addition of the following clause:</p> <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> <p style="text-align: right;">Item</p> |

| | |
|--------------|---|
| <p>37.0</p> | <p>CANCELLATION BY EMPLOYER – LOSS AND DAMAGE</p> <p>Clause 37.0</p> <p>Clause 37.3.5 is amended by replacing “ninety (90)” with “one-hundred and twenty (120)”</p> <p>Clause 37.0 is amended by the addition of the following clause:</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> <p style="text-align: right;">Item</p> |
| <p>A38.0</p> | <p>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> <p style="text-align: right;">Item</p> |
| <p>A39.0</p> | <p>CANCELLATION – CESSATION OF THE WORKS</p> <p>Clause 39.0</p> <p>Clause 39.3.5 is amended by the addition of the following at the end of the sentence:</p> <p>“within one hundred and twenty (120) working days of completion of such a report”</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p style="text-align: right;">Item</p> |
| <p>A40.0</p> | <p>DISPUTE</p> <p>DISPUTE SETTLEMENT</p> <p>Clause 40.0</p> <p>Clause 40.2.2 is amended by replacing “one (1) year” with “three (3) years”</p> <p>Clause 40.6 is amended by removing the reference to:</p> <p>No clause</p> <p>Clause 40.7.1 is amended by replacing “(10)” with “(15)” and by the addition of the following:</p> <p>Whether or not mediation resolves the dispute, the parties shall bear their own costs concerning the mediation and equally share the costs of the mediator and related costs</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p style="text-align: right;">Item</p> |

SUBSTITUTE PROVISIONS

A41.0

STATE CLAUSES

Clause 41.0

Fixed: _____ Value related: _____ Time related: _____
Item

CONTRACT VARIABLES

A42.0

THE SCHEDULE (DPW-04EC)

Clause 42.0

Tenderers are referred to the Contract Data DPW-04(EC) for variables pertaining to this contract

Fixed: _____ Value related: _____ Time related: _____
Item

SECTION B: JBCC PRELIMINARIES**B1.0 DEFINITIONS AND INTERPRETATION****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**B2.1 *Checking of documents***

Fixed: _____ Value related: _____ Time related: _____
Item

B2.2 *Provisional bills of quantities*

Fixed: _____ Value related: _____ Time related: _____
Item

B2.3 *Availability of construction documentation*

Fixed: _____ Value related: _____ Time related: _____
Item

B2.4 *Interests of agents*

Fixed: _____ Value related: _____ Time related: _____
Item

B2.5 *Priced documents*

Fixed: _____ Value related: _____ Time related: _____
Item

B2.6 *Tender submission*

Clause 2.6 is amended by replacing "JBCC Form of Tender" with "Form of Offer and Acceptance DPW-07(EC)"

Fixed: _____ Value related: _____ Time related: _____
Item

B3.0 THE SITE**B3.1 *Defined works area***

Fixed: _____ Value related: _____ Time related: _____
Item

B3.2 *Geotechnical investigation*

Fixed: _____ Value related: _____ Time related: _____
Item

B3.3 *Inspection of the site*

Fixed: _____ Value related: _____ Time related: _____
Item

SECTION 1: PRELIMINARIES (SECTION B)

Each Item Carried to Collection

| | | | |
|-------|---|---|------|
| B3.4 | Existing premises occupied | Fixed: _____ Value related: _____ Time related: _____ | Item |
| B3.5 | Previous work – dimensional accuracy | Fixed: _____ Value related: _____ Time related: _____ | Item |
| B3.6 | Previous work – defects | Fixed: _____ Value related: _____ Time related: _____ | Item |
| B3.7 | Services – known | Fixed: _____ Value related: _____ Time related: _____ | Item |
| B3.8 | Services – unknown | Fixed: _____ Value related: _____ Time related: _____ | Item |
| B3.9 | Protection of trees | Fixed: _____ Value related: _____ Time related: _____ | Item |
| B3.10 | Articles of value | Fixed: _____ Value related: _____ Time related: _____ | Item |
| B3.11 | Inspection of adjoining properties | Fixed: _____ Value related: _____ Time related: _____ | Item |
| B4.0 | MANAGEMENT OF CONTRACT | | |
| B4.1 | Management of the works | Fixed: _____ Value related: _____ Time related: _____ | Item |
| B4.2 | Programme for the works | Fixed: _____ Value related: _____ Time related: _____ | Item |
| B4.3 | Progress meetings | Fixed: _____ Value related: _____ Time related: _____ | Item |
| B4.4 | Technical meetings | Fixed: _____ Value related: _____ Time related: _____ | Item |
| B4.5 | Labour and plant records | Fixed: _____ Value related: _____ Time related: _____ | Item |

SECTION 1: PRELIMINARIES (SECTION B)

Each Item Carried to Collection

| | | | |
|------|---|---|------|
| B5.0 | SAMPLES, SHOP DRAWINGS AND MANUFACTURERS' INSTRUCTIONS | | |
| B5.1 | Samples of materials | Fixed: _____ Value related: _____ Time related: _____ | Item |
| B5.2 | Workmanship samples | Fixed: _____ Value related: _____ Time related: _____ | Item |
| B5.3 | Shop drawings | Fixed: _____ Value related: _____ Time related: _____ | Item |
| B5.4 | Compliance with manufacturers' instructions | Fixed: _____ Value related: _____ Time related: _____ | Item |
| B6.0 | TEMPORARY WORKS AND PLANT | | |
| B6.1 | Deposits and fees | Fixed: _____ Value related: _____ Time related: _____ | Item |
| B6.2 | Enclosure of the works | Fixed: _____ Value related: _____ Time related: _____ | Item |
| B6.3 | Advertising | Fixed: _____ Value related: _____ Time related: _____ | Item |
| B6.4 | Plant, equipment, sheds and offices | Fixed: _____ Value related: _____ Time related: _____ | Item |
| B6.5 | Main notice board | Fixed: _____ Value related: _____ Time related: _____ | Item |
| B6.6 | Subcontractors' notice board | Fixed: _____ Value related: _____ Time related: _____ | Item |
| B7.0 | TEMPORARY SERVICES | | |
| B7.1 | Location | Fixed: _____ Value related: _____ Time related: _____ | Item |
| B7.2 | Water | Fixed: _____ Value related: _____ Time related: _____ | Item |

SECTION 1: PRELIMINARIES (SECTION B)

Each Item Carried to Collection

| | | | |
|-------|--|--|------|
| B7.3 | Electricity | Fixed: _____ Value related: _____ Time related: _____ | Item |
| B7.4 | Telecommunication facilities | Fixed: _____ Value related: _____ Time related: _____ | Item |
| B7.5 | Ablution facilities | Fixed: _____ Value related: _____ Time related: _____ | Item |
| B8.0 | PRIME COST AMOUNTS | | |
| B8.1 | Responsibility for prime cost amounts | Fixed: _____ Value related: _____ Time related: _____ | Item |
| B9.0 | ATTENDANCE ON N/S SUBCONTRACTORS | | |
| B9.1 | General attendance | Fixed: _____ Value related: _____ Time related: _____ | Item |
| B9.2 | Special attendance | Fixed: _____ Value related: _____ Time related: _____ | Item |
| B9.3 | Commissioning – fuel, water and electricity | Fixed: _____ Value related: _____ Time related: _____ | Item |
| B10.0 | FINANCIAL ASPECTS | | |
| B10.1 | Statutory taxes, duties and levies | Fixed: _____ Value related: _____ Time related: _____ | Item |
| B10.2 | Payment for prellminaries | Fixed: _____ Value related: _____ Time related: _____ | Item |
| 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 "when submitting his priced bills of quantities / lump sum document" | |
| | | Fixed: _____ Value related: _____ Time related: _____ | Item |
| B10.4 | Payment certificate cash flow | Fixed: _____ Value related: _____ Time related: _____ | Item |

SECTION 1: PRELIMINARIES (SECTION B)

Each Item Carried to Collection

| | | | | |
|--------|--|--------------|----------------------|------------------------------------|
| B11.0 | GENERAL | | | |
| B11.1 | Protection of the works | Fixed: _____ | Value related: _____ | Time related: _____ Item |
| B11.2 | Protection / isolation of existing / sectionally occupied works | Fixed: _____ | Value related: _____ | Time related: _____ Item |
| B11.3 | Security of the works | Fixed: _____ | Value related: _____ | Time related: _____ Item |
| B11.4 | Notice before covering work | Fixed: _____ | Value related: _____ | Time related: _____ Item |
| B11.5 | Disturbance | Fixed: _____ | Value related: _____ | Time related: _____ Item |
| B11.6 | Environmental disturbance | Fixed: _____ | Value related: _____ | Time related: _____ Item |
| B11.7 | Works cleaning and clearing | Fixed: _____ | Value related: _____ | Time related: _____ Item |
| B11.8 | Vermin | Fixed: _____ | Value related: _____ | Time related: _____ Item |
| B11.9 | Overhand work | Fixed: _____ | Value related: _____ | Time related: _____ Item |
| B11.10 | Instruction manuals and guarantees | Fixed: _____ | Value related: _____ | Time related: _____ Item |
| B11.11 | As built information | Fixed: _____ | Value related: _____ | Time related: _____ Item |
| B11.12 | Tenant installations | Fixed: _____ | Value related: _____ | Time related: _____ Item |

B12.0
B12.1

SCHEDULE OF VARIABLES

Schedule of variables

Fixed: _____ Value related: _____ Time related: _____
Item

This schedule contains all variables referred to in this document and is divided into pre-tender 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 italicised in [] brackets

12.1 PRE-TENDER INFORMATION

12.1.1 *Provisional bills of quantities*

[2.2] *The quantities are provisional* (yes/no) NO

12.1.2 *Availability of construction documentation*

[2.3] *Construction documentation is complete* (yes/no) YES

12.1.3 *Interests of agents*

[2.4] Details:

12.1.4 *Defined works area*

[3.1] Details:

12.1.5 *Geotechnical investigation*

[3.2] Details:

12.1.6 *Existing premises occupied*

[3.4] Specific requirements:

12.1.7 *Previous work – dimensional accuracy*

[3.5] Details:

12.1.8 *Previous work – defects*

[3.6] Details:

12.1.9 *Services – known*

[3.7] Details:

12.1.10 *Protection of trees*

[3.9] Specific requirements:

12.1.11 *Inspection of adjoining properties*

[3.11] Specific requirements:

12.1.12 *Enclosure of the works*

[6.2] Specific requirements:

SECTION 1: PRELIMINARIES (SECTION B)

Each Item Carried to Collection

| | | |
|--------------------|--|--|
| 12.1.13 [6.4.3] | <p>Offices 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, chair, drawing stool, drawing board and lock-up drawers for drawings. The office shall be kept clean and fit for use at all times</p> | |
| 12.1.14 [6.5] | <p>Main notice board Specific requirements: The contractor shall provide, erect where directed, maintain and remove on completion of the works a notice board size 3 x 3m as type Drawing GEN 063, constructed of suitable boarding with flat smooth surface and with edging bead 19mm thick round outer edges and projecting 12mm from face of boarding and rounded on front edge. 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 ivory white and the bead and 12mm wide dividing lines dark green. All wording shall be inscribed in dark green as per the coat of arms for SA. All wording shall be inscribed in dark green painted sans serif lettering</p> | |
| 12.1.15 [6.6] | <p>Subcontractors' notice board A notice board is required</p> | (yes/no) <input type="checkbox"/> no |
| 12.1.16 [7.2] | <p>Water Option A (by contractor)</p> | (yes/no) <input checked="" type="checkbox"/> yes |
| | <p>Option B (by employer – free of charge)</p> | (yes/no) <input type="checkbox"/> no |
| | <p>Option C (by employer – metered)</p> | (yes/no) <input type="checkbox"/> no |
| 12.1.17 [7.3] | <p>Electricity Option A (by contractor)</p> | (yes/no) <input checked="" type="checkbox"/> yes |
| | <p>Option B (by employer – free of charge)</p> | (yes/no) <input type="checkbox"/> no |
| | <p>Option C (by employer – metered)</p> | (yes/no) <input type="checkbox"/> no |
| 12.1.18 [7.4] | <p>Telecommunications Telephone</p> | (yes/no) <input checked="" type="checkbox"/> yes |
| | <p>Facsimile</p> | (yes/no) <input type="checkbox"/> no |
| | <p>E-mail</p> | (yes/no) <input checked="" type="checkbox"/> yes |
| 12.1.19 [7.5] | <p>Ablution facilities Option A (by contractor)</p> | (yes/no) <input checked="" type="checkbox"/> yes |
| | <p>Option B (by employer)</p> | (yes/no) <input type="checkbox"/> no |
| 12.1.20 [11.2] | <p>Protection of existing/sectionally occupied works Protection is required</p> | (yes/no) <input checked="" type="checkbox"/> yes |
| 12.1.21 [9.2] | <p>Special attendance Subcontractor (1) details: Subcontractor (2) details: Subcontractor (3) details: Subcontractor (4) details:</p> | |



| | | | |
|-------------------|--|----------|---|
| 12.1.22 [11.1] | Protection of the works Specific requirements: | | |
| 12.1.23 [11.5] | Disturbance Specific requirements: 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 | | |
| 12.1.24 [11.6] | Environmental disturbance Specific requirements: | | |
| 12.2 | POST-TENDER INFORMATION | | |
| 12.2.1 [10.2] | Payment of preliminaries | | |
| | Option A (prorated) | (yes/no) | <input type="checkbox"/> no |
| | Option B (calculated) | (yes/no) | <input checked="" type="checkbox"/> yes |
| 12.2.2 [10.3] | Adjustment of preliminaries | | |
| | Option A (three categories) | (yes/no) | <input checked="" type="checkbox"/> yes |
| | Option B (detailed breakdown) | (yes/no) | <input type="checkbox"/> no |
| 12.2.3 | Additional agreed preliminaries items Details: | | |

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

C1.0 CONTRACT DRAWINGS

** Select relevant paragraph and delete whichever is not applicable depending on whether the contract is based on a **bills of quantities or lump sum document***

** 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*

** A full set of drawings is issued with the tender documents indicating the full 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 understood by the tenderer he shall, before submitting his tender, obtain clarification in writing from the **principal agent**

Fixed: _____ Value related: _____ Time related: _____
Item

C2.0 PREAMBLES

The document "Construction Works: Specifications: General Specification (PW371-A) Edition 2.0" is obtainable on the Department's website (<http://www.publicworks.gov.za/> under "Consultants Guidelines"), and shall be read in conjunction with the **bills of quantities / lump sum document** and be referred to for the full descriptions of work to be done and materials to be used

The document "Construction Works: Specifications: Particular Specification (PW371-B) Edition 2.0" is issued together with the drawings and shall be read in conjunction with the drawings and the **bills of quantities / lump sum document**

Fixed: _____ Value related: _____ Time related: _____
Item

C3.0 TRADE NAMES

Wherever a trade name for any product has been described in the **bills of quantities / lump sum document**, the tenderer's attention is drawn to the fact that any other product of equal quality may be used subject to the written approval of the **principal agent** being obtained prior to the closing date for submission of tenders

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

4.0 **IMPORTED MATERIALS AND EQUIPMENT**

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 DPW-23(EC) to be completed by tenderer)

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)

Fixed: _____ Value related: _____ Time related: _____
Item

C5.0 **VIEWING THE SITE IN SECURITY AREAS**

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

Fixed: _____ Value related: _____ Time related: _____
Item

C6.0 **COMMENCEMENT OF WORKS IN SECURITY AREAS**

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

Fixed: _____ Value related: _____ Time related: _____
Item

C7.0 **ENTRANCE PERMITS TO SECURITY AREAS**

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

Fixed: _____ Value related: _____ Time related: _____
Item

C8.0 **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

9.0

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

C10.0

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 / lump sum document. 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 31.0 of Section A or any other clause to the contrary, reserves the right to delay issuing any progress payment certificate until the contractor provides satisfactory proof of compliance. The contractor shall not be entitled to any compensation of whatsoever nature, including interest, due to such delay of payment

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

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, conducting 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

C10.3

POSTERS, BOOKLETS, VIDEOS, ETC.

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

Fixed: _____ Value related: _____ Time related: _____

Item

| | |
|-------|--|
| C10.4 | <p>ACCESS TO CONDOMS</p> |
| | <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> |
| | <p>Item</p> |
| C10.5 | <p>MONITORING</p> |
| | <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> |
| | <p>Item</p> |
| C11.0 | <p>OCCUPATIONAL HEALTH AND SAFETY ACT</p> |
| | <p>The contractor shall comply with all the requirements as set out in the Construction Regulations, 2014 issued under the Occupational Health and Safety Act, 1993 (Act No 85 of 1993)</p> |
| | <p>It is required of the contractor to thoroughly study the Health and Safety Specification that must be read together with and is deemed to be incorporated under this Section of the bills of quantities / lump sum document</p> |
| | <p>The contractor must take note that compliance with the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is compulsory. In the event of partial or total non-compliance, the principal agent, notwithstanding the provisions of clause A31.0 of Section A or any other clause to the contrary, reserves the right to delay issuing any progress payment certificate until the contractor provides satisfactory proof of compliance. The contractor shall not be entitled to any compensation of whatsoever nature, including interest, due to such delay of payment</p> |
| | <p>Provision for pricing of the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is made under this clause and it is explicitly pointed out that all requirements of the aforementioned are deemed to be priced hereunder and no additional claims in this regard shall be entertained</p> |
| | <p>Fixed: _____ Value related: _____ Time related: _____</p> |
| | <p>Item</p> |
| C12.0 | <p>EMPLOYMENT AND TRAINING OF YOUTH WORKERS ON THE EXPANDED PUBLIC WORKS PROGRAMME (EPWP) INFRASTRUCTURE PROJECTS: NATIONAL YOUTH SERVICE (NYS)</p> |
| | <p>The contractor shall comply with all the requirements as set out in the "Additional Specification SL: Employment and Training of Youth Workers on the Expanded Public Works Programme (EPWP) Infrastructure Projects: National Youth Service (NYS)" as attached to these bills of quantities</p> |
| | <p>The contractor shall identify a minimum number of youth workers from a priority list, and shall employ them at the statutory labour rates for a minimum period and train them, all as per the aforementioned specification and as elsewhere measured in these bills of quantities</p> |
| | <p>The contractor shall liaise and co-ordinate with the employer and the EPWP Training Service Provider with regard to the priority list, the selection of youth workers, and the employment and training of the identified youth workers</p> |

The contractor shall avail the services of an adequately qualified foreman specifically for the EPWP-NYS youth workers, to act as their construction supervisor. The foreman will be responsible for continually monitoring the progress of the youth workers and for addressing questions and issues that may arise from the youth workers

Separate items which will be subject to remeasurement have been included elsewhere in these bills of quantities to cover the direct costs associated with the employment and training of the youth workers. Any additional requirements in respect of the aforementioned specification are deemed to be priced hereunder and no additional claims in this regard shall be entertained

Fixed: _____ Value related: _____ Time related: _____
Item

C13.0

IMPLEMENTATION OF LABOUR-INTENSIVE INFRASTRUCTURE PROJECTS UNDER THE EXPANDED PUBLIC WORKS PROGRAMME (EPWP)

The contractor shall comply with all the requirements of the "Code of Good Practice for Employment and Conditions of Work for Special Public Works Programmes" issued in terms of the "Basic Conditions of Employment Act, 1997 (Act No 75 of 1997)" and the related "Ministerial Determination", for the employment of locally employed temporary workers on a labour-intensive infrastructure project under the Expanded Public Works Programme (EPWP)

The contractor shall maintain daily records with regard to the workers employed and shall, on a monthly basis, submit a report to the principal agent in the prescribed format. Compulsory indicators such as the project budget, actual project expenditure, number of job opportunities created, demographic characteristics of workers employed, minimum daily wage rate, number of person-days of employment created and number of training person-days, shall be included in said report, all as defined in the "Guidelines for the Implementation of Labour-Intensive Infrastructure Projects under the Expanded Public Works Programme (EPWP)"

Provision for pricing of compliance with the aforementioned is made under this clause and it is explicitly pointed out that all requirements in respect of the aforementioned are deemed to be priced hereunder and no additional claims in this regard shall be entertained

Fixed: _____ Value related: _____ Time related: _____
Item

**SECTION 1
PRELIMINARIES**

COLLECTION

AMOUNT

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| Category: Fixed R | | |
| Category: Value R | | |
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| Item No | | Unit | Quantity | Rate | Amount R |
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| | <p><u>SECTION NO. 2</u></p> <p><u>BILL NO. 1</u></p> <p><u>ALTERATIONS (PROVISIONAL)</u></p> <p>NOTE : Tenderers are advised to study the 'Specification of Materials and Methods to be used' (PW 371-A and B, July 2013) before pricing this bill</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>View site</u></p> <p>Before submitting his tender the contractor shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials contained in the buildings or portions of the buildings to be demolished. No claim for any variations of the contract sum in respect of the nature and extent of the work or of inferior or damaged materials will be entertained</p> <p><u>Explosives</u></p> <p>No explosives whatsoever may be used for demolition purposes unless otherwise stated</p> <p><u>General</u></p> <p>The contractor shall carry out the whole of the works with as little mess and noise as possible and with a minimum of disturbance to adjoining premises and their tenants. He shall provide proper protection and provide, erect and remove when directed, any temporary tarpaulins that may be necessary during the progress of the works, all to the satisfaction of the principal agent</p> <p>Water supply pipes and other piping that may be encountered and found necessary to disconnect or cut, shall be effectually stopped off or grubbed up and removed, and any new connections that may be necessary shall be made with proper fittings, to the satisfaction of the principal agent</p> | | | | |
| | Carried to Collection | | | | |
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Doors, fanlights, fittings, frames, linings, etc which are to be re-used shall be thoroughly overhauled before refixing including taking off, easing and re-hanging, cramping up, re-wedging as required and making good cramps, dowels, etc, and easing, oiling, adjusting and repairing ironmongery as necessary, replacing any glass damaged in removal or subsequently and stopping up all nail and screw holes with tinted plastic wood to match timber, unless otherwise described. Re-painting or re-varnishing is given separately

Prices for taking out of doors, windows, etc shall include for removal of all beads, architraves, ironmongery, etc

Prices for taking out and removing doors and frames shall include for removing door stops, cabin hooks, etc and making good floor and wall finishes to match existing

With regard to building up of openings in existing walls, cement screeds and pavings, granolithic, tops of walls, etc, shall be levelled and prepared for raising of brickwork

Making good of finishes shall include making good of the brick and concrete surfaces onto which the new finishes are applied, where necessary

The contractor will be required to take all dimensions affecting the existing buildings on the site and he will be held solely responsible for the accuracy of all such dimensions where used in the manufacture of new items (doors, windows, fittings, etc)

Old material to become property of the contractor

Old material must be carted away and included in the rates

Old material of the alterations and all rubbish is to be carted away in regularly intervals and not stored on the site

Under no circumstances shall any work of any nature whatsoever on any ASBESTOS material be undertaken unless the work is entrusted and mandated to a "REGISTERED ASBESTOS CONTRACTOR" in terms of the Asbestos Regulations.

REMOVAL OF EXISTING WORK

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| <u>TEMPORARY BARRICADES, SCREENS, ETC</u> | | | | |
|---|---|----------------|----|---|
| <u>Temporary barricades, screens, roofs, etc including removal</u> | | | | |
| 1 | Half brick barrier wall 2m high, including cement plaster and two coats interior quality PVA emulsion paint on one side | m | 5 | |
| 2 | Dust screen 4m high between concrete floor and ceiling, of suitable timber framing with 375 micron polyethylene sheeting stapled on one side, including corners, ends, etc | m | 10 | |
| 3 | Drywall barricade 2m high of galvanised steel channel section rails and studs covered on one side with 12,7mm gypsum plasterboard and finished with two coats interior quality PVA emulsion paint, including corners, ends, etc | m | 10 | |
| 4 | Extra over preceding item for hollow core single door 813 x 2032mm high, including steel frame, two-lever mortice lock, primer and two coats paint | No | 5 | |
| <u>Breaking up and removing unreinforced concrete</u> | | | | |
| 5 | 100mm Thick surface beds | m ² | 5 | |
| 6 | 150mm Thick surface beds | m ² | 5 | |
| <u>Breaking up and removing reinforced concrete, including cutting off and removing reinforcement</u> | | | | |
| 7 | 150mm Thick reinforced concrete slab | m ² | 4 | |
| <u>Breaking down and removing brickwork etc</u> | | | | |
| 8 | Half brick walls | m ² | 40 | |
| 9 | One brick walls | m ² | 5 | |
| <u>Taking out and removing doors, louvres, etc, including thresholds, sills, etc., including prepair opening to install new door of same size in brick wall and repairs to internal plaster and external face bricks on other side (making good paintwork, new doors elsewhere measured)</u> | | | | |
| 10 | Single door and frame with door size 813 x 2032mm in half brick wall | No | 13 | |
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|----|--|----------------|-------|---|--|
| 11 | Single door and frame with door size 813 x 2032mm in one brick wall | No | 32 | | |
| 12 | Single door and frame with door size 864 x 2032mm in one brick wall | No | 1 | | |
| 13 | Single door and frame with door size 813 x 2032mm in partition | No | 1 | | |
| 14 | Double door and frame with door size 1511 x 2032mm in one brick wall | No | 4 | | |
| | <u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc</u> | | | | |
| 15 | Corrugated sheet steel roof covering | m ² | 119 | | |
| 16 | Corrugated sheet steel roof covering and timber purlins | m ² | 86 | | |
| 17 | Gypsum plasterboard ceilings, including timber brandering, cornices, etc | m ² | 638 | | |
| 18 | Drywall partitions | m ² | 20 | | |
| | <u>Taking out and removing sundry joinery work, fittings, ironmongery and metalwork related to this, etc</u> | | | | |
| 19 | Timber skirtings | m | 1 295 | | |
| 20 | Soft board pinning boards or pinning carpets including timber surrounds | m ² | 126 | | |
| 21 | Timber fascias | m | 50 | | |
| 22 | 600mm Wide x 900mm high timber kitchen floor cupboard | m | 6 | | |
| 23 | 1200mm Wide worktop station with partitions | m | 5 | | |
| | <u>Taking up and removing wood block floor coverings, vinyl floor coverings, carpets, etc and preparing screeds for new floor coverings</u> | | | | |
| 24 | Vinyl tile floor covering | m ² | 351 | | |
| 25 | Carpet tile floor covering | m ² | 226 | | |
| | Carried to Collection | | | | |
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| | <u>Hacking up or stripping off the existing roof waterproofing and finishes to the areas to be covered with bituminous sheeting and clean down the surfaces</u> | | | | |
| 26 | Bitumen waterproof membrane on concrete roofs | m ² | 14 | | |
| | <u>Taking out and removing ironmongery</u> | | | | |
| 27 | Horizontal blinds not exceeding 2m long | m | 138 | | |
| 28 | Towel rail | No | 9 | | |
| 29 | Toilet paper holder | No | 12 | | |
| 30 | Brass peg stay | No | 34 | | |
| 31 | Brass sliding stay | No | 58 | | |
| 32 | Brass window handle | No | 58 | | |
| 33 | Chromium plated hanging rail | m | 8 | | |
| | <u>Taking out/off and removing sundry metalwork</u> | | | | |
| 34 | Steel bracket from carport columns | No | 8 | | |
| 35 | Previous contractor nameboard | No | 1 | | |
| 36 | Steel balustrades 1000mm high from concrete stairs, including making good granolithic finish | m | 12 | | |
| 37 | Steel motor vehicle bump rail 1000mm high | m | 21 | | |
| | <u>Taking down and removing</u> | | | | |
| 38 | Steel diamond mesh fence +/- 2000mm high with gates, steel posts and droppers | m | 77 | | |
| | <u>Hacking up/off and removing granolithic, screeds, plaster, etc from concrete or brickwork and preparing surfaces for new screed, plaster, tile finishes, etc</u> | | | | |
| 39 | 25mm Screeds from floors | m ² | 704 | | |
| 40 | 25mm Granolithic from floors | m ² | 8 | | |
| 41 | Granolithic skirtings 75mm high | m | 7 | | |
| 42 | Internal plaster from walls and columns | m ² | 504 | | |
| | Carried to Collection | | | | |
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|---|---|----------------|-----|---|--|
| 43 | External plaster from walls, columns and beams <u>Hacking up/off and removing ceramic tiles including removing mortar bed or adhesive from concrete or brickwork and preparing surfaces for new screed, plaster, tile finish, etc</u> | m ² | 121 | | |
| 44 | Ceramic tiles to walls | m ² | 282 | | |
| 45 | Ceramic tiles to floors | m ² | 134 | | |
| 46 | Ceramic tile skirting 75mm high <u>Taking out and removing piping, sanitary fittings, etc. including cutting off as necessary, disconnecting piping from fittings and making good floor and wall finishes (making good tiling and paintwork elsewhere)</u> | m | 23 | | |
| 47 | Sheet iron rain water gutters | m | 209 | | |
| 48 | Sheet iron rain water down pipes | m | 132 | | |
| 49 | Copper or steel piping not exceeding 50mm diameter | m | 55 | | |
| 50 | PVC or Cast iron piping not exceeding 50mm diameter | m | 85 | | |
| 51 | PVC or Cast iron piping exceeding 50mm and not exceeding 110mm diameter | m | 35 | | |
| 52 | Stainless steel urinal, including short lengths of piping, etc | No | 1 | | |
| 53 | Vitreous china or enamelled cast iron wash hand basin, including short lengths of piping, etc | No | 9 | | |
| 54 | Vitreous china WC pan with cistern, including short lengths of piping, etc | No | 12 | | |
| 55 | Stainless steel sink, including short lengths of piping, etc | No | 2 | | |
| 56 | Chromium plated shower head and two stop cocks, including short lengths of piping, etc | No | 1 | | |
| 57 | 150 Litre geyser | No | 4 | | |
| Carried to Collection | | | | R | |
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|---|---|----------------|-----|--|---|
| <u>Taking out/off and removing glass and mirrors</u> | | | | | |
| 58 | Glass from steel windows, including cleaning out rebates and preparing for new glass | m ² | 46 | | |
| 59 | Mirror 450 x 600mm high from wall | No | 9 | | |
| <u>MAKING GOOD OF FINISHES, ETC</u> | | | | | |
| <u>Making good untinted granolithic</u> | | | | | |
| 60 | 25mm Thick on floors in patches | m ² | 8 | | |
| 61 | 75mm Skirting | m | 15 | | |
| 62 | Clean out cracks in concrete floor, wet thoroughly and fill with 3:1 cement mortar well caulked | m | 8 | | |
| <u>Making good cement screeds</u> | | | | | |
| 63 | 25mm Thick on floors in patches | m ² | 704 | | |
| 64 | Clean out cracks in concrete floor, wet thoroughly and fill with 3:1 cement mortar well caulked | m | 139 | | |
| <u>Making good internal cement plaster, including gypsum skim plaster finishing coat</u> | | | | | |
| 65 | Walls in patches | m ² | 521 | | |
| 66 | On ceilings in patches | m ² | 2 | | |
| 67 | On narrow widths not exceeding 300mm wide in patches | m ² | 50 | | |
| 68 | Clean out cracks in wall, wet thoroughly and fill with 3:1 cement mortar well caulked | m | 504 | | |
| <u>Making good external plaster</u> | | | | | |
| 69 | Walls in patches | m ² | 121 | | |
| 70 | On narrow widths in patches | m ² | 15 | | |
| 71 | Clean out cracks in wall, wet thoroughly and fill with 3:1 cement mortar well caulked | m | 121 | | |
| <u>BUILDING UP OPENINGS</u> | | | | | |
| Carried to Collection | | | | | |
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|----|--|----------------|----|--|---|
| | <u>Brickwork in NFP bricks in class II mortar in building up openings</u> | | | | |
| 72 | Half brick walls | m ² | 14 | | |
| 73 | One brick walls | m ² | 10 | | |
| | <u>Sundries</u> | | | | |
| 74 | Cutting toothings and bonding new brickwork to existing | m ² | 3 | | |
| | <u>OPENINGS THROUGH EXISTING WALLS ETC</u> | | | | |
| | <u>Altering openings</u> | | | | |
| 75 | Altering opening in half brick wall where 900 x 2100mm high single door frame removed to form opening for new single door and frame with fanlight 900 x 2400mm high overall by breaking out brickwork on top, including prestressed concrete lintels, making good cement plaster on both sides and into reveals and soffit and with 20 MPa concrete threshold with steel trowelled finish (new door and frame and making good paintwork elsewhere) | No | 4 | | |
| 76 | Altering opening in one brick wall where 900 x 2100mm high single door frame removed to form opening for new single door and frame with fanlight 900 x 2400mm high overall by breaking out brickwork on top, including prestressed concrete lintels, making good cement plaster on both sides and into reveals and soffit and with 20 MPa concrete threshold with steel trowelled finish (new door and frame and making good paintwork elsewhere) | No | 26 | | |
| 77 | Altering opening in one brick wall where 1511 x 2100mm high single door frame removed to form opening for new double door and frame 1511 x 2400mm high overall by breaking out brickwork on top, including prestressed concrete lintels, making good cement plaster on both sides and into reveals and soffit and with 20 MPa concrete threshold with steel trowelled finish (new door and frame and making good paintwork elsewhere) | No | 4 | | |
| | Carried to Collection | | | | R |
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| | <p><u>Breaking out for and forming openings through brick walls for new doors and frames, including prestressed concrete lintels, making good cement plaster on both sides and into reveals and with 20 MPa concrete thresholds with steel trowelled finish (new doors and frames and making good paintwork elsewhere)</u></p> | | | | |
| 78 | <p>Opening for door with steel frame 900 x 2100mm high overall through one brick wall</p> | No | 3 | | |
| | <p><u>Breaking out for and forming openings through brick walls for new windows, including brick lintels, making good cement plaster on one side and into reveals and face brickwork on other side and into reveals and with sloping quarry tile sills on outside and flat quarry tile sills on inside (new windows and making good paintwork elsewhere)</u></p> | | | | |
| 79 | <p>Opening 600 x 900mm high through one brick wall</p> | No | 2 | | |
| 80 | <p>Opening 1200 x 900mm high through one brick wall</p> | No | 1 | | |
| | <p><u>PREPARATORY WORK TO EXISTING SURFACES</u></p> | | | | |
| 81 | <p>Hacking faces of existing painted plaster to receive tiling</p> | m ² | 225 | | |
| 82 | <p>Hacking surface of granolithic floor surface to receive tiling</p> | m ² | 11 | | |
| | <p><u>REMOVAL OF ASBESTOS BY SPECIALIST CONTRACTOR</u></p> | | | | |
| | <p><i>Please note that this part was provisional measured. It will also be remeasured as the whole bills of quantities will be, according to what is actually identified as asbestos and removed from the building and disposed from the site</i></p> | | | | |
| | <p><i>The building is occupied during the construction period and therefor the asbestos cannot be removed in one period, but in phases. The phases will only be determined during the construction period. No additional cost will be allowed for these phases.</i></p> | | | | |
| | <p style="text-align: right;">Carried to Collection</p> | | | | R |
| <p>Building Works Bill No. 1 Alterations</p> | | | | | |

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|---|--|----------------|------|---|--|
| 83 | Allow for the appointment of an Approved Inspection Authority (AIA) registered with the Department of Labour to facilitate the removal, handling and safe disposal of asbestos products removed from the building all in accordance with the Occupational Health and Safety Act, 1933 (Act 85 of 1993) and the Asbestos Regulations, 2001 as well as the Environmental Conservation Act, 1989 (Act 73 of 1989) | | Item | | |
| 84 | Allow for the appointment of a Registered Asbestos Contractor with the Department of Labour to facilitate the removal, handling and safe disposal of asbestos products removed from the building all in accordance with the Occupational Health and Safety Act, 1933 (Act 85 of 1993) and the Asbestos Regulations, 2001 as well as the Environmental Conservation Act, 1989 (Act 73 of 1989) | | Item | | |
| 85 | Allow for the removal of asbestos board ceilings, including cornices, timber brandering, isolation, etc | m ² | 106 | | |
| 86 | Allow for the disposal of asbestos board ceilings, including cornices, timber brandering, isolation, etc | m ² | 106 | | |
| 87 | Allow for the removal of asbestos fascias and barge boards | m | 208 | | |
| 88 | Allow for the disposal of asbestos fascias and barge boards | m | 208 | | |
| Carried to Collection | | | | R | |
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| <p>Section No. 2</p> <p>Building Works</p> <p>Bill No. 1</p> <p>Alterations</p> | | | | |
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| 1 | <p><u>SECTION NO. 2</u></p> <p><u>BILL NO. 2</u></p> <p><u>EARTHWORKS (PROVISIONAL)</u></p> <p>NOTE : Tenderers are advised to study the 'Specification of Materials and Methods to be used' (PW 371-A and B, July 2013) before pricing this bill</p> <p><u>Nature of ground</u></p> <p>The nature of the ground is assumed to be gravel, therefore "earth", but possibly interspersed with "soft rock" or "hard rock"</p> <p><u>Subterranean water</u></p> <p>No subterranean water is expected</p> <p><u>Carting away of excavated material</u></p> <p>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</p> <p><u>Filling and layer work materials</u></p> <p>References such as "G1", "G2", etc and "C1", "C2", etc in descriptions of filling and layer work materials refer to corresponding references in the document "Guidelines for Road Construction Materials. TRH 14 : 1985" compiled by the Committee of State Road Authorities and the properties set out therein for each kind shall be applicable to the respective materials described hereinafter</p> <p><u>EXCAVATION, FILLING, ETC</u></p> <p><u>EXCAVATIONS ETC</u></p> <p><u>Excavation in earth not exceeding 2m deep</u></p> <p>Ground beam trenches</p> | m³ | 17 | | |
| | Carried to Collection | | | R | |
| | <p>Building Works Bill No. 2 Earthworks</p> | | | | |

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|--|---|----------------|------|---|
| <u>Extra over excavation in earth for excavation in</u> | | | | |
| 2 | Soft rock | m ³ | 1 | |
| 3 | Hard rock | m ³ | 2 | |
| <u>Extra over all excavations for carting away</u> | | | | |
| 4 | Surplus material from excavations and/or stock piles on site, to a dumping site to be located by the contractor | m ³ | 17 | |
| <u>Risk of collapse of excavations</u> | | | | |
| 5 | Sides of bulk excavations not exceeding 1,5m deep | m ² | 73 | |
| <u>Keeping excavations free of water</u> | | | | |
| 6 | Keeping excavations free of all water other than subterranean water | | Item | |
| <u>WEED KILLERS, INSECTICIDES, ETC</u> | | | | |
| <u>Soil insecticide in accordance with SANS 5859</u> | | | | |
| 7 | To bottoms and sides of trenches etc | m ² | 107 | |
| Carried to Collection | | | | R |
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| | <p><u>SECTION NO. 2</u></p> <p><u>BILL NO. 3</u></p> <p><u>CONCRETE, FORMWORK AND REINFORCEMENT (PROVISIONAL)</u></p> <p>NOTE : Tenderers are advised to study the 'Specification of Materials and Methods to be used' (PW 371-A and B, July 2013) before pricing this bill</p> <p><u>Cost of tests</u></p> <p>The costs of making, storing and testing of concrete test cubes as required under clause 7 "Tests" of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests for approval. The testing shall be undertaken by an approved independent firm or institution nominated by the contractor (test cubes are measured separately)</p> <p><u>Breeze concrete</u></p> <p>Breeze concrete shall consist of twelve parts clean dry furnace ash, free from coal or other foreign matter, to one part cement (1:12); the ash graded up to particles which will pass a 16,5mm ring from a minimum which fails to pass a 4,75mm mesh. The finer materials from the screening are to be first mixed with the cement into a mortar and the ash added afterwards and thoroughly incorporated</p> <p><u>Lightweight concrete</u></p> <p>Lightweight concrete shall have a density of 600kg/m³ for the top 50mm and 400kg/m³ for the remaining thickness. The minimum thickness at outlets, channels, etc shall be 50mm</p> <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> | | | | |
| | Carried to Collection | | | | R |
| | <p>Building Works Bill No. 3 Concrete, formwork and reinforcement</p> | | | | |

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| <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 soffits of slabs, beams, etc shall be deemed to be propped up exceeding 1,5m and not exceeding 3,5m high 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>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u></p> | | | | |
| <p><u>25MPa/20mm concrete</u></p> | | | | |
| <p>1 Ground beam</p> | <p>m³</p> | <p>17</p> | | |
| <p><u>TEST CUBES</u></p> | | | | |
| <p>2 Making and testing 150 x 150 x 150mm concrete strength test cube</p> | <p>No</p> | <p>6</p> | | |
| <p><u>CONCRETE SUNDRIES</u></p> | | | | |
| <p><u>Finishing top surfaces of concrete smooth with a wood float and ripple paint roller finish</u></p> | | | | |
| <p>3 Surface beds, slabs, etc to falls</p> | <p>m²</p> | <p>34</p> | | |
| <p><u>ROUGH FORMWORK (DEGREE OF ACCURACY II)</u></p> | | | | |
| <p><u>Rough formwork to sides</u></p> | | | | |
| <p>4 Foundation beams</p> | <p>m²</p> | <p>73</p> | | |
| <p><u>REINFORCEMENT</u></p> | | | | |
| <p style="text-align: right;">Carried to Collection</p> | | | | <p>R</p> |
| <p>Building Works Bill No. 3 Concrete, formwork and reinforcement</p> | | | | |

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| <p>Section No. 2</p> <p>Building Works</p> <p>Bill No. 3</p> <p>Concrete, formwork and reinforcement</p> <p><u>COLLECTION PAGE</u></p> | | | | |
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| <p>Building Works</p> <p>Bill No. 3</p> <p>Concrete, formwork and reinforcement</p> | | | | |

| Item No | | Unit | Quantity | Rate | Amount R |
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| | <p><u>SECTION NO. 2</u></p> <p><u>BILL NO. 4</u></p> <p><u>MASONRY</u></p> <p>NOTE : Tenderers are advised to study the 'Specification of Materials and Methods to be used' (PW 371-A and B, July 2013) before pricing this bill</p> <p><u>BRICKWORK</u></p> <p><u>Sizes in descriptions</u></p> <p>Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick</p> <p><u>User note</u></p> <p><i>The following preamble generally applies for works in hot and humid coastal areas</i></p> <p><u>Bagged and sealed walls</u></p> <p>Walls in two skins described as "bagged and sealed" shall be deemed to include having the outer face of the inner skin bagged with 1:6 cement and sand mixture and sealed with two coats bitumen emulsion waterproofing coating</p> <p><u>Face bricks</u></p> <p>Bricks shall be ordered timeously to obtain uniformity in size and colour</p> <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>BRICKWORK</u></p> <p><u>SUPERSTRUCTURE</u></p> | | | | |
| | Carried to Collection | | | | R |
| | Building Works Bill No. 4 Masonry | | | | |

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|---|---|----------------|----|---|
| Brickwork of NFX bricks (14 MPa nominal compressive strength) in class II mortar in load bearing walls etc | | | | |
| 1 | Half brick wall | m ² | 20 | |
| 2.5mm Galvanised brick reinforcement | | | | |
| 2 | 75mm Wide reinforcement built in horizontally | m | 79 | |
| Galvanised hoop iron cramps, ties, etc | | | | |
| 3 | 30 x 1,6mm Roof tie 1,5m long with one end cast into concrete or build into brickwork and other end fixed to timber (provisional) | No | 39 | |
| Carried to Collection | | | | R |
| Building Works | | | | |
| Bill No. 4 | | | | |
| Masonry | | | | |

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| <p>Section No. 2</p> <p>Building Works</p> <p>Bill No. 4</p> <p>Masonry</p> <p><u>COLLECTION PAGE</u></p> <p>Total Brought Forward from Page No.</p> <p style="text-align: right;">Carried Forward to Summary of Section</p> <p>Building Works Bill No. 4 Masonry</p> | | <p style="text-align: center;">Page No</p> <p style="text-align: center;">49</p> <p style="text-align: center;">50</p> | | <p style="text-align: center;">Amount .R</p> <hr style="border-top: 1px dashed black;"/> <hr style="border-top: 1px dashed black;"/> <p style="text-align: center;">R</p> |
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| | <p><u>SECTION NO. 2</u></p> <p><u>BILL NO. 5</u></p> <p><u>WATERPROOFING</u></p> <p>NOTE : Tenderers are advised to study the 'Specification of Materials and Methods to be used' (PW 371-A and B, July 2013) before pricing this bill</p> <p><u>Waterproofing</u></p> <p>Waterproofing of roofs, basements, etc shall be laid under a ten year guarantee. Waterproofing to roofs shall be laid to even falls to outlets etc with necessary ridges, hips and valleys. Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs</p> <p><u>WATERPROOFING TO ROOFS ETC</u></p> <p><u>Prime with one coat bitumen primer and one layer 4mm fully bonded waterproof membrane comprising two bitumen layers reinforced with woven spunbonded polyester fabric and coated with polyethylene film for heat bonding, laid with 100mm side and 150mm end laps</u></p> | | | | |
| 1 | On flat roofs | m ² | 12 | | |
| 2 | Sealing edges to brickwork or concrete including trowelled mastic bead | m | 15 | | |
| 3 | Additional membrane 200mm girth at internal and external angles on walls | m | 15 | | |
| | <u>Two coats bituminous aluminium paint</u> | | | | |
| 4 | On waterproofing to roofs | m ² | 12 | | |
| | <u>JOINT SEALANTS ETC</u> | | | | |
| | <u>Clear silicone sealer</u> | | | | |
| 5 | To edges of sinks, door weather boards, at junction to walls, etc | m | 25 | | |
| | Carried to Collection | | | | R |
| | Building Works | | | | |
| | Bill No. 5 | | | | |
| | Waterproofing | | | | |

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| | <p><u>Two-part grey polysulphide sealing compound including backing cord, bond breaker, primer, etc</u></p> <p>6 10 x 10mm In expansion joints in floors</p> <p style="text-align: right;">Carried to Collection</p> <p>Building Works Bill No. 5 Waterproofing</p> | m | 1 042 | | <p style="text-align: center;">R</p> |
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| <p>Section No. 2</p> <p>Building Works</p> <p>Bill No. 5</p> <p>Waterproofing</p> <p><u>COLLECTION PAGE</u></p> | | | | | |
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| Item No | | Unit | Quantity | Rate | Amount R |
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| | SECTION NO. 2 | | | | |
| | BILL NO. 6 | | | | |
| | ROOF COVERINGS, CLADDINGS, ETC | | | | |
| | (PROVISIONAL) | | | | |
| | NOTE : Tenderers are advised to study the 'Specification of Materials and Methods to be used' (PW 371-A and B, July 2013) before pricing this bill | | | | |
| | TILES | | | | |
| 1 | Carefully examine entire tiled roof areas and locate leaks with particular attention given to roof leaks where marks are visible on walls and ceilings. Locate holes and cracks and repair with mortar filling and cover it with glass fibre bandage membrane set in two coats acrylic bitumen compound. Replace defective tile nails with non-corrosive tile nails. Similarly examine all flashing and valley linings, repair and refix loose sections. | m ² | 1 133 | | |
| | Concrete roof tiles size 332 x 420mm laid with straight bond and fixed with non-corrodible tile nails and/or clips fixing category A to sawn softwood battens on underlay (battens and underlay elsewhere measured) | | | | |
| 2 | Replace damaged roof tiles with new roof tiles that is matching the existing roof tiles with a 30 degree pitch in patches | m ² | 227 | | |
| 3 | Rake out loose mortar joints of ridges and hips and replace with new mortar to match existing (measurement in meter is the total length of the ridges and hips) | m | 131 | | |
| 4 | Replace damaged ridge and hip tiles with new ridge and hip of tiles to match roofing tiles, bedded and pointed in 1:3 tinted cement mortar, including 300mm wide strip of 375 micron embossed dampproof course in accordance with SANS 952 Type B underlay in patches | m | 26 | | |
| 5 | Open valleys including raking cutting on both sides and necessary additional battens in patches (valley gutters elsewhere) | m | 8 | | |
| 6 | Circular cutting | m | 10 | | |
| | Carried to Collection | | | | R |
| | Building Works Bill No. 6 Roof coverings, claddings, etc | | | | |

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|----|--|----------------|-----|--|---|
| | <u>EXISTING GALVANISED IRON ROOF COVERING</u> | | | | |
| | <u>Repairs to make roof sheets watertight</u> | | | | |
| | <u>IBR galvanised roof and wall sheeting</u> | | | | |
| 7 | Carefully examine entire roof areas and locate leaks with particular attention given to roof leaks where marks are visible on walls and ceilings. Locate holes and solder. Replace defective screws using longer screws where purlins are fixed on edge, and 6mm bolts where purlins are fixed on flat. Beat into corrugations damaged or buckled edges, fix in position where necessary using self-tapping screws, roofing screws or verandah bolts. Similarly examine all flashing, ridging and valley linings, repair and refix loose sections, as for roof covering. | m ² | 398 | | |
| | <u>NEW PROFILED METAL SHEETING AND ACCESSORIES IN PATCHES</u> | | | | |
| | <u>0.58mm Z275 galvanised spelter IBR profile steel sheeting and accessories fixed to steel structure</u> | | | | |
| 8 | Roof covering with pitch not exceeding 25 degrees | m ² | 76 | | |
| 9 | Side cladding | m ² | 43 | | |
| | <u>0.58mm Z200 spelter ISQ550 galvanised IBR profile roof sheeting in single lengths with factory applied paint finish with Dove Grey top coat and Pebble Grey backing coat, fixed to timber purlins</u> | | | | |
| 10 | Roof covering with pitch not exceeding 25 degrees, in transportable lengths not exceeding 20m | m ² | 86 | | |
| | <u>0.58mm Z200 spelter ISQ550 galvanised steel sheet accessories to preceding roof coverings with factory applied paint finish with Dove Grey top coat and Pebble Grey backing coat</u> | | | | |
| 11 | Cover flashings | m ² | 9 | | |
| 12 | Stepped cover flashings to roof pitches exceeding 25 degrees | m ² | 5 | | |
| 13 | Valley gutter 616mm girth 4 times bent along girth and notched on site to suit roof profile | m | 8 | | |
| 14 | Side wall flashing 408mm girth two times bent | m | 9 | | |
| | Carried to Collection | | | | |
| | Building Works Bill No. 6 Roof coverings, claddings, etc | | | | R |

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|--|---|----------------|-------|---|
| 15 | Headwall Flash 375mm girth 2 times bent and notched on site to suit roof profile | m | 17 | R |
| <u>TILE UNDERLAY</u> | | | | |
| <u>Tile underlay of multi-layered reinforced aluminium foil faced one side sheeting in accordance with SANS 1381-4 with a mass of not less than 218g/m² and a Class 1 fire rating in accordance with SANS 0177-3 fixed under battens with minimum laps of 150mm</u> | | | | |
| 16 | Tile underlay laid taut under battens and fixed concurrent with roof covering, including taped laps and straining wires fixed at 275mm centres to sloping truss rafters | m ² | 1 133 | |
| Carried to Collection | | | | |
| Building Works Bill No. 6 Roof coverings, claddings, etc | | | | |

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| <p>Section No. 2</p> <p>Building Works</p> <p>Bill No. 6</p> <p>Roof coverings, claddings, etc</p> <p><u>COLLECTION PAGE</u></p> | | | | |
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| <p>Building Works</p> <p>Bill No. 6</p> <p>Roof coverings, claddings, etc</p> | | | | |
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| | SECTION NO. 2 | | | | |
| | BILL NO. 7 | | | | |
| | CARPENTRY AND JOINERY | | | | |
| | NOTE : Tenderers are advised to study the 'Specification of Materials and Methods to be used' (PW 371-A and B, July 2013) before pricing this bill | | | | |
| | TIMBER | | | | |
| | All softwood to be South African Pine | | | | |
| | <u>Fixing</u> | | | | |
| | Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete | | | | |
| | Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere | | | | |
| | <u>Decorative thermosetting plastic laminate covering</u> | | | | |
| | Laminate covering shall be glued under pressure and edge strips of same shall be butt jointed at junctions with adjacent similar finish | | | | |
| | STRUCTURAL TIMBERWORK ETC | | | | |
| | Wrought Softwood | | | | |
| 1 | 38 x 38mm Battens in patches (provisional) | m | 544 | | |
| 2 | 38 x 50mm Battens in patches (provisional) | m | 363 | | |
| 3 | 38 x 114mm Bolted roof truss members in lengths not exceeding 2,4m (provisional) | m | 90 | | |
| 4 | 38 x 114mm Beams in geyser platform in lengths not exceeding 2,4m, fixed to truss rafters (provisional) | m | 54 | | |
| | Carried to Collection | | | | R |
| | Building Works | | | | |
| | Bill No. 7 | | | | |
| | Carpentry and joinery | | | | |

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|----|---|----------------|-------|--|---|
| | <u>Roof sundries</u> | | | | |
| 5 | Hurricane clip or similar approved galvanised purlin clip for new battens (provisional) | No | 1 587 | | |
| 6 | 64mm Diameter split ring timber connector including cutting grooves in timber | No | 25 | | |
| 7 | High tensile bolts, nuts and washers | kg | 50 | | |
| | <u>EAVES COVERING, FASCIAS AND BARGEBOARDS</u> | | | | |
| | <u>Wrought softwood</u> | | | | |
| 8 | Slatted eaves soffit covering of 32 x 69mm wide slats at 80mm centres fixed to truss overhang beams, including chicken wire netting fixed between slats and truss beams | m ² | 227 | | |
| | <u>Pressed fibre cement</u> | | | | |
| 9 | 15 x 225mm Fascias and barge boards, including aluminium H-profile jointing strips | m | 208 | | |
| | <u>SKIRTINGS</u> | | | | |
| | <u>Wrought Meranti</u> | | | | |
| 10 | 19 x 76mm Skirting, including 19mm quarter round plugged and pelleted to wall | m | 529 | | |
| 11 | 19 x 76mm Dado rail with rounded edges plugged and pelleted to wall | m | 594 | | |
| 12 | 19 x 75mm Skirting, including 19mm quarter round plugged and pelleted to gypsum partition wall | m | 41 | | |
| | <u>DOORS</u> | | | | |
| | <u>Solid laminated flush doors with hardwood veneer on both sides and hardwood edges</u> | | | | |
| 13 | 40mm Door 813 x 2032mm high | No | 44 | | |
| 14 | 40mm Door 864 x 2032mm high | No | 1 | | |
| | Carried to Collection | | | | R |
| | Building Works Bill No. 7 Carpentry and joinery | | | | |

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Bill No. 7

Carpentry and joinery

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| | <p><u>SECTION NO. 2</u></p> <p><u>BILL NO. 8</u></p> <p><u>JOINERY FITTINGS</u></p> <p>NOTE : Tenderers are advised to study the 'Specification of Materials and Methods to be used' (PW 371-A and B, July 2013) before pricing this bill</p> <p><u>DESCRIPTIONS</u></p> <p>The term "planted on" shall mean the nailing of one timber member to another</p> <p>The term "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete</p> <p>The term "screwed on" shall mean the countersunk screwing of one timber member to another</p> <p>The term "screwed on and pelleted" shall mean the screwing of one timber member to another with the heads of screws sunk and pelleted</p> <p>The term "plugged" shall mean the countersunk screwing of a timber member to and including plastic plugs in brickwork or concrete</p> <p>The term "plugged and pelleted" shall mean the screwing of a timber member to and including plastic plugs in brickwork or concrete with heads of screws sunk and pelleted</p> <p>Descriptions of floors, ceilings, joinery, etc. shall be deemed to include for all square cutting</p> <p>Descriptions of items given in lineal metre shall be deemed to include for mitres, stopped ends, fitted intersections, etc</p> <p>Descriptions of rounded angles, rebates, grooves, chamfers, moulded edges, etc. shall be deemed to include for angles, ends, etc</p> | | | |
| | Carried to Collection | | | R |
| | <p>Building Works Bill No. 8 Joinery</p> | | | |

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| <u>Joinery</u> | | | | |
| Descriptions of frames shall be deemed to include frames, transomes, rails, etc | | | | |
| Descriptions of hardwood joinery shall be deemed to include sinking and pelleting heads and nuts of bolts | | | | |
| <u>Decorative thermosetting plastic laminate covering</u> | | | | |
| Laminate covering shall be glued under pressure and edge strips of same shall be butt jointed at junctions with adjacent similar finish | | | | |
| <u>THE FOLLOWING IN CUPBOARDS IN KITCHENS</u> | | | | |
| <u>Wrought Meranti</u> | | | | |
| 1 | 25 x 45mm Bearers planted on | m | 22 | |
| 2 | 25 x 45mm Bearers plugged | m | 14 | |
| <u>Tempered hardboard</u> | | | | |
| 3 | 4mm Backboards | m ² | 5 | |
| <u>Medium density fibre board with melamine veneer both sides and edges</u> | | | | |
| 4 | 19mm Framed shelves, bottoms, sides and skirting | m ² | 33 | |
| 5 | 19mm Framed sides and skirting plugged and pelleted | m ² | 1 | |
| <u>Medium density fibre board with melamine veneer both sides and edges</u> | | | | |
| 6 | 19mm Door size 580 x 780mm high | No | 8 | |
| <u>Drawers</u> | | | | |
| 7 | Drawer 580mm wide x 243mm high x 600mm long externally of 19mm medium density fibre board in front, sides, back and bottom and 580mm wide x 243mm high front with melamine veneer finish both sides and on exposed edges | No | 6 | |
| <u>Caesarstone</u> | | | | |
| 8 | 32mm Thick x 600mm wide worktop | m | 6 | |
| Carried to Collection | | | | |
| Building Works Bill No. 8 Joinery | | | | R |

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| 9 | Extra over for hole in worktop for sink size 1500 x 535mm (sink elsewhere measured) | No | 2 | | |
| | <u>Ironmongery</u> | | | | |
| 10 | Brass two lever cupboard lock including escutcheon | No | 8 | | |
| 11 | Brass two lever drawer cupboard lock including escutcheon | No | 6 | | |
| 12 | Chromium plated concealed spring loaded self-closing A-grade cupboard hinge and fitting in circular recess | No | 16 | | |
| 13 | 100mm Anodised aluminium pull handle | No | 14 | | |
| 14 | One pair of 380mm extruded aluminium telescopic drawer slides with positive stops | No | 6 | | |
| 15 | 100mm Brass necked barrel bolt | No | 8 | | |
| 16 | Double roller catch with polyurethane rollers | No | 8 | | |
| | <u>THE FOLLOWING IN RECEPTION COUNTER (PROVISIONAL)</u> | | | | |
| | <u>Wrought Meranti</u> | | | | |
| 17 | 25 x 45mm Bearers planted on | m | 20 | | |
| | <u>Medium density fibre board with melamine veneer both sides and edges</u> | | | | |
| 18 | 19mm Framed sides | m ² | 12 | | |
| | <u>Caesarstone</u> | | | | |
| 19 | 32mm Thick x 1200mm wide worktop | m | 5 | | |
| | <u>CEILING BULKHEAD</u> | | | | |
| 20 | 50 x 150mm Ceiling joists and beams | m | 76 | | |
| 21 | 50 x 50mm Hangers | m | 31 | | |
| 22 | 50 x 150mm Galvanised truss beam hanger | No | 36 | | |
| 23 | 12mm Expansion bolt | No | 24 | | |
| | Carried to Collection | | | R | |
| | Building Works | | | | |
| | Bill No. 8 | | | | |
| | Joinery | | | | |

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| | <p><u>6 4mm Gypsum plasterboard with taped joints and the whole finished with gypsum plaster trowelled to a smooth polished surface to the thickness recommended by the manufacturer</u></p> | | | |
| 24 | Horizontal portion of bulkhead 1200mm wide including 38 x 50mm sawn softwood branderling at 400mm centres (supporting framework elsewhere) | m | 5 | |
| 25 | Vertical portion of bulkhead 246mm high including 38 x 50mm sawn softwood branderling at 400mm centres (supporting framework elsewhere) | m | 15 | |
| | <u>PARTITIONS ETC</u> | | | |
| | <u>DRYWALL PARTITIONS</u> | | | |
| | <u>PARTITIONS ETC</u> | | | |
| | <u>SUPPLEMENTARY PREAMBLES</u> | | | |
| | <u>Gypsum plasterboard drywall partition systems</u> | | | |
| | Gypsum plasterboard drywall partitioning shall comprise steel studding formed of 63,5mm top and bottom tracks with vertical and horizontal studs in both directions at maximum 600mm centres, friction fitted or pop-riveted to the top and bottom tracks with similar additional vertical studs as necessary at abutments, ends, etc and covered as described with wallboard screwed to studding with drywall screws at maximum 220mm centres. Boards are to be butt jointed and finished with tape and jointing compound all in accordance with the manufacturer's instructions. Intersections and abutments are measured separately and descriptions shall be deemed to include any additional studs, corner beads, jointing compound, tape, etc | | | |
| | Wall paper and paint finishes are given separately | | | |
| | <u>Partitions with 12,5mm thick gypsum board cladding (½ hour fire rating) on both sides and filled in with 50mm thick glasswool insulation in blanket form with a density of not less than 32kg/m²</u> | | | |
| 26 | Partitions | m² | 6 | |
| 27 | Extra over partitions for bottom track plugged to concrete floor | m | 4 | |
| | Carried to Collection | | | R |
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| | Bill No. 8 | | | |
| | Joinery | | | |

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| 28 | Extra over partitions for 89mm bronze anodised drywall aluminium head channel on edges | m | 13 | | |
| 29 | Extra over partitions for 89mm bronze anodised drywall aluminium head channel on rounded edges | m | 3 | | |
| <u>ALUMINIUM DOORS AND SHOPFRONTS</u> | | | | | |
| <u>Bronze anodised windows, complete with subframes, ironmongery, glass, sealing, etc and fixing to brickwork or concrete</u> | | | | | |
| 30 | Purpose made security window, fitted with 6,5mm laminated safety glass, with three mullions to form 4 fixed panes, over all size 5040 x 1910mm high | No | 1 | | |
| <u>THE FOLLOWING COUNTER WORK TOPS IN THE ABLUTIONS</u> | | | | | |
| <u>Caesarstone</u> | | | | | |
| 31 | 32mm Thick x 600mm wide worktop | m | 5 | | |
| 32 | 32mm Thick x 300mm wide fascia | m | 6 | | |
| 33 | Extra over for hole in worktop for basin size 460 x 390mm (basins elsewhere measured) | No | 4 | | |
| <u>Mild steel</u> | | | | | |
| 34 | Angle iron bracket | kg | 118 | | |
| 35 | 10mm Expansion bolt | No | 20 | | |
| <u>One coat alkyd based zinc phosphate primer, one coat alkyd based universal undercoat and two coats premium quality polyurethane enamel paint</u> | | | | | |
| 36 | Rails, bars, pipes, etc not exceeding 300mm girth | m | 31 | | |
| Carried to Collection | | | | | |
| Building Works Bill No. 8 Joinery | | | | R | |

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| <p>Section No. 2</p> <p>Building Works</p> <p>Bill No. 8</p> <p>Joinery</p> <p><u>COLLECTION PAGE</u></p> | | | |
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| | <p><u>SECTION NO. 2</u></p> <p><u>BILL NO. 9</u></p> <p><u>CEILING, PARTITIONS AND ACCESS FLOORING</u></p> <p>NOTE : Tenderers are advised to study the 'Specification of Materials and Methods to be used' (PW 371-A and B, July 2013) before pricing this bill</p> <p><u>Fixing</u></p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be 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 500mm centres, and where described as "bolted", the bolts have been given elsewhere</p> <p><u>Ceilings</u></p> <p>Unless otherwise described ceilings shall be deemed to be horizontal</p> <p><u>Bulkheads</u></p> <p>Unless otherwise described bulkheads shall be deemed to be horizontal along the length</p> <p><u>Steel components</u></p> <p>All steel components for ceilings, partitions, etc are to be galvanised in accordance with SANS 121</p> <p><u>CEILING TIMBERS, BEADS, INSULATION, ETC</u></p> <p><u>Non-combustible white thermally bonded synthetic polyester insulation of a density of not less than 10kg/m³ bonded with an inert thermosetting resin and shall comply with SABS Specification 1381 and Class 1 fire index rating</u></p> <p>1 135mm Insulation in blanket form closely fitted and laid on top of brading between roof timbers etc</p> <p style="text-align: right;">Carried to Collection</p> <p>Building Works Bill No. 9 Ceilings, partitions and access flooring</p> | m ² | 758 | | R |

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|--|--|----------------|----|--|---|
| <u>NAILED-UP CEILINGS</u> | | | | | |
| <u>SUPPLEMENTARY PREAMBLES</u> | | | | | |
| <u>Openings</u> | | | | | |
| Prices for openings for light fittings, ventilation grilles, air conditioning diffusers, etc are to include for any necessary additional support, trimming around, etc | | | | | |
| <u>6.4mm Gypsum plasterboard with taped joints and the whole finished with gypsum plaster trowelled to a smooth polished surface to the thickness recommended by the manufacturer</u> | | | | | |
| 2 | Ceilings including 38 x 38mm sawn softwood branderling at 300mm centres and across at joints see item 76.6 | m ² | 15 | | |
| 3 | Opening for 212mm diameter down lighter (provisional) | No | 4 | | |
| <u>6mm Fibre cement boards with galvanised H-type pressed steel jointing strips</u> | | | | | |
| 4 | Ceilings including 38 x 38mm sawn softwood branderling at 300mm centres and across at joints | m ² | 43 | | |
| 5 | Extra over ceiling for opening for 600 x 1200mm light fitting (provisional) | No | 5 | | |
| 6 | Extra over ceiling for 600 x 600 mm hinged standard pressed steel ceiling trap door (provisional) | No | 2 | | |
| <u>Gypsum plasterboard cornices</u> | | | | | |
| 7 | Standard 75mm Rhinoboard coved cornice | m | 22 | | |
| <u>Wrought Meranti</u> | | | | | |
| 8 | 19 x 76mm Cornice, including 19mm quarter round plugged and pelleted to wall | m | 22 | | |
| <u>SUSPENDED CEILINGS</u> | | | | | |
| <u>SUPPLEMENTARY PREAMBLES</u> | | | | | |
| <u>Proprietary suspended ceilings</u> | | | | | |
| Hangers, suspension grids, "lay-in" panels, etc are to be in accordance with the manufacturers' recommendations | | | | | |
| Carried to Collection | | | | | R |
| Building Works | | | | | |
| Bill No. 9 | | | | | |
| Ceilings, partitions and access flooring | | | | | |

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|----|---|----------------|-----|--|---|
| | <p>Electrical light fittings, diffusers, panels etc are generally "lay-in" units of the same dimensions as the suspension grid described and allowance must be made in the rates accordingly for their support inclusive of any flexibility in setting out that may be required (ceiling panels have not been deducted and pricing is to take cognisance thereof)</p> <p><u>600 x 600 x 15mm Thick white biologically absorbable mineral wool ceiling tile, on exposed tee suspension system including main and cross tees, holding down clips, necessary hangers, grids, etc., strictly in accordance with the manufacturers instructions</u></p> | | | | |
| 9 | Ceilings suspended not exceeding 1m below timber roof construction | m ² | 531 | | |
| 10 | Extra over ceiling for opening for 600 x 600mm light fitting (provisional) | No | 200 | | |
| | <p><u>1200 x 600 x 9mm x 15mm Thick white biologically absorbable mineral wool ceiling tile, on exposed tee suspension system including main and cross tees, holding down clips, necessary hangers, grids, etc., strictly in accordance with the manufacturers instructions</u></p> | | | | |
| 11 | Ceilings suspended not exceeding 1m below timber roof construction | m ² | 170 | | |
| 12 | Extra over ceiling for opening for 600 x 1200mm light fitting (provisional) | No | 35 | | |
| | <u>Shadow line cornices to suspended ceilings</u> | | | | |
| 13 | Profile shadow line pre-painted cornices plugged | m | 724 | | |
| | Carried to Collection | | | | R |
| | Building Works Bill No. 9 Ceilings, partitions and access flooring | | | | |

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|---|--|---------------------------|--|----------------------------|--|
| <p>Section No. 2</p> <p>Building Works</p> <p>Bill No. 9</p> <p>Ceilings, partitions and access flooring</p> <p><u>COLLECTION PAGE</u></p> | | | | | |
| <p>Total Brought Forward from Page No.</p> | | <p>Page No</p> | | <p>Amount R</p> | |
| | | <p>69</p> | | <p>-----</p> | |
| | | <p>70</p> | | <p>-----</p> | |
| | | <p>71</p> | | <p>-----</p> | |
| <p>Carried Forward to Summary of Section</p> | | | | <p>R</p> | |
| <p>Building Works</p> <p>Bill No. 9</p> <p>Ceilings, partitions and access flooring</p> | | | | | |

| Item No | | Unit | Quantity | Rate | Amount R | |
|---------|--|------|----------|------|----------|--|
| | <u>SECTION NO. 2</u> | | | | | |
| | <u>BILL NO. 10</u> | | | | | |
| | <u>IRONMONGERY</u> | | | | | |
| | NOTE : Tenderers are advised to study the 'Specification of Materials and Methods to be used' (PW 371-A and B, July 2013) before pricing this bill | | | | | |
| | <u>SUPPLEMENTARY PREAMBLES</u> | | | | | |
| | <u>Finishes to ironmongery</u> | | | | | |
| | Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list: | | | | | |
| | BS Satin bronze lacquered | | | | | |
| | CH Chromium plated | | | | | |
| | SC Satin chromium plated | | | | | |
| | SE Silver enamelled | | | | | |
| | GE Grey enamelled | | | | | |
| | AS Anodised silver | | | | | |
| | AB Anodised bronze | | | | | |
| | AG Anodised gold | | | | | |
| | ABL Anodised black | | | | | |
| | PB Polished brass | | | | | |
| | PL Polished and lacquered | | | | | |
| | PT Epoxy coated | | | | | |
| | SD Sanded | | | | | |
| | <u>HINGES, BOLTS, ETC</u> | | | | | |
| 1 | 100 x 75mm Stainless steel medium duty flush butt hinges | No | 171 | | | |
| 2 | 150mm Brass barrel bolt and keep | No | 2 | | | |
| 3 | 100mm Brass necked barrel bolt | No | 2 | | | |
| 4 | Aluminium helping hand facility indicator bolt | No | 1 | | | |
| 5 | Aluminium morticed bathroom WC indicator bolt | No | 9 | | | |
| | <u>CATCHES, CABIN HOOKS, ETC</u> | | | | | |
| 6 | 250mm Brass peg stay, including screw | No | 34 | | | |
| 7 | 150mm Brass sliding stay, including screws | No | 58 | | | |
| | Carried to Collection | | | | R | |
| | Building Works Bill No. 10 Ironmongery | | | | | |

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|----|--|-------|----|--|---|
| 8 | Brass window handle, including handle bush and screw | No | 58 | | |
| 9 | 150mm Chromium plated cabin hook and eye including 70 x 70 x 20mm chamfered hardwood block twice oiled and plugged (provisional) | No | 8 | | |
| | <u>LOCKS</u> | | | | |
| | <u>Keys</u> | | | | |
| | Unless otherwise described locks shall have two keys each | | | | |
| 10 | 40mm Brass padlock | No | 5 | | |
| | <u>"EN-SUITE" LOCKS</u> | | | | |
| 11 | Double cylinder 5 pin tumbler with two keys | No | 39 | | |
| 12 | 76x22mm Upright cylinder lock case | No | 39 | | |
| 13 | Aluminium Dove spring loaded lever handle | Pairs | 39 | | |
| 14 | Aluminium cylinder escutcheon | Pairs | 39 | | |
| | <u>HANDLES</u> | | | | |
| | <u>DOOR CLOSERS (PROVISIONAL)</u> | | | | |
| 15 | Aluminium heavy duty over head door closer with adjustable delayed closing | No | 3 | | |
| | <u>HANDLES (PROVISIONAL)</u> | | | | |
| 16 | 100mm Anodised aluminium pull handle | No | 2 | | |
| | <u>PUSH PLATES AND KICKING PLATES</u> | | | | |
| | <u>1.6mm Brushed stainless steel plates fixed with epoxy glue and counter sunk screwed along edges at not exceeding 150mm centres</u> | | | | |
| 17 | 864 x 300mm Plate | No | 2 | | |
| | <u>LETTERS, NAMEPLATES, ETC (PROVISIONAL)</u> | | | | |
| 18 | 40 x 30mm Black printed brushed aluminium plate with one or two 20mm high engraved and painted numbers | No | 55 | | |
| | Carried to Collection | | | | |
| | Building Works Bill No. 10 Ironmongery | | | | R |

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|--|---|----|----|---|--|
| 19 | 150 x 150mm Black printed brushed aluminium plate with male or female symbol | No | 4 | | |
| 20 | 150 x 150mm Black printed brushed aluminium plate with paraplegic symbol | No | 1 | | |
| 21 | 150 x 150mm Red printed brushed aluminium plate with fire exit, fire extinguisher, fire hose reel or fire hydrant symbol | No | 50 | | |
| 22 | 300 x 300mm Black printed brushed aluminium name plate | No | 37 | | |
| <u>BATHROOM AND KITCHEN FITTINGS</u> | | | | | |
| 23 | 304 x 100 x 134mm Stainless steel soap dispenser | No | 6 | | |
| 24 | 304 x 156 x 140mm Stainless steel lockable double toilet holder | No | 12 | | |
| 25 | 300 x 134 x 305mm Stainless steel paper towel dispenser | No | 4 | | |
| 26 | 410 x 205 x 380mm Stainless steel waste bin with 180mm radius front | No | 4 | | |
| 27 | 304 x 205 x 134mm Stainless steel sanitary towel disposal bin | No | 4 | | |
| 28 | Horizontal wall mounted baby changing station | No | 2 | | |
| 29 | Automatic sensor operated wall mounting hand dryer size 280 x 207 x 245, manufactured from (18/10) 1,2mm stainless steel, satin finish, automatic cut-off, warm air output of 28m/s at 65°C, adjustable sensitivity from 100 to 300mm, vandal resistant lock, screws and key wrench, connection voltage 230 V, 50Hz, watts 2,2/2,4 kW, motor 200W Motor with 5500 RPM | No | 4 | | |
| <u>Grab rails formed of non-slip silver anodised 32mm diameter x 1.6mm round section rails and 75mm diameter x 4mm flat section fixing flanges each three times holed and plugged to walls with M12 stainless steel fixing screws</u> | | | | | |
| 30 | 32mm grab rail 300mm long with two 300mm return ends plugged | No | 2 | | |
| 31 | 32mm grab rail 750mm long with two 250mm return ends plugged | No | 1 | | |
| Carried to Collection | | | | | |
| Building Works Bill No. 10 Ironmongery | | | | R | |

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|----|--|----|-------|--|---|
| 32 | 32mm grab rail 900mm long, divided into three equal parts, bent twice at 45° with centre flange and two 80mm return ends plugged | No | 1 | | |
| | <u>SUNDRIES</u> | | | | |
| 33 | Aluminium rubber buffer door stop | No | 58 | | |
| 34 | Aluminium hat and coat hook including 70 x 70 x 20mm chamfered meranti block twice varnished and plugged and pelleted (provisional) | No | 10 | | |
| 35 | Set of three aluminium hat and coat hooks including 70 x 500 x 20mm chamfered meranti block twice varnished and plugged and pelleted (provisional) | No | 3 | | |
| 36 | Chromium plated single toilet paper holder | No | 12 | | |
| 37 | 19mm Diameter chromium plated towel rail 800mm long including end brackets, plugged | No | 9 | | |
| 38 | Brass key tag engraved with 3 numerals or letters with 25mm diameter chromium plated split ring | No | 92 | | |
| 39 | 25mm Long brass hook and key tag engraved with 3 numerals or letters fixed to keyboard (else where measured) | No | 46 | | |
| 40 | 3 x 50mm Flat section brass dividing strips between differing floor finishes | m | 7 | | |
| 41 | Powder coated lockable steel key cabinets for 50 keys size each size 395mm long x 50mm wide x 520mm high | No | 2 | | |
| | <u>HORIZONTAL BLINDS (PROVISIONAL)</u> | | | | |
| | <u>Aluminium Venetian horizontal blinds, slat thickness 0.21mm thick and 24mm wide coloured curved louvres, with matching aluminium powder coated top and bottom tracks with stainless steel separator pins, with adjustable strings, turning knobs, etc.</u> | | | | |
| | <u>Soffit mounted blinds</u> | | | | |
| 42 | Blinds for internal opening size 533 x 654mm | No | 10.00 | | |
| 43 | Blinds for internal opening size 533 x 1854mm | No | 4.00 | | |
| 44 | Blinds for internal opening size 600 x 900mm | No | 2.00 | | |
| | Carried to Collection | | | | |
| | Building Works Bill No. 10 Ironmongery | | | | R |

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|--|---|----|-------|---|--|
| 45 | Blinds for internal opening size 1022 x 1854mm | No | 37.00 | | |
| 46 | Blinds for internal opening size 1022 x 949mm | No | 2.00 | | |
| 47 | Blinds for internal opening size 1200 x 900mm | No | 1.00 | | |
| 48 | Blinds for internal opening size 1511 x 1854mm | No | 13 | | |
| 49 | Blinds for internal opening size 1511 x 1264mm | No | 2.00 | | |
| <u>WRITING BOARDS</u> | | | | | |
| 50 | White board writing board 2000 x 1000mm high with aluminium pen rail, plugged | No | 21 | | |
| Carried to Collection | | | | | |
| Building Works Bill No. 10 Ironmongery | | | | R | |

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|---|--|---------------------------|--|----------------------------|
| <p>Section No. 2</p> <p>Building Works</p> <p>Bill No. 10</p> <p>Ironmongery</p> <p><u>COLLECTION PAGE</u></p> | | | | |
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| <p>Carried Forward to Summary of Section</p> | | | | R |
| <p>Building Works</p> <p>Bill No. 10</p> <p>Ironmongery</p> | | | | |

| Item No | | Unit | Quantity | Rate | Amount R |
|---------|--|------|----------|------|----------|
| | <u>SECTION NO. 2</u> | | | | |
| | <u>BILL NO. 11</u> | | | | |
| | <u>METALWORK</u> | | | | |
| | NOTE : Tenderers are advised to study the 'Specification of Materials and Methods to be used' (PW 371-A and B, July 2013) before pricing this bill | | | | |
| | <u>SUPPLEMENTARY PREAMBLES</u> | | | | |
| | <u>Descriptions of bolts, anchors, etc</u> | | | | |
| | 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 | | | | |
| | Items described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described | | | | |
| | Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres | | | | |
| | <u>MILD STEEL</u> | | | | |
| 1 | 40 x 60 x 2,5mm Hollow section beam including 8mm diameter mild steel bar welded on top of beam and cast in concrete ground beam for sliding gates (concrete ground beam elsewhere measured) | kg | 540 | | |
| 2 | 305 x 102mm x 24,5kg/m I-section beam with base plates | kg | 118 | | |
| 3 | M12 x 75mm Chemical anchors | No | 8 | | |
| | Carried to Collection | | | | R |
| | Building Works Bill No. 11 Metalwork | | | | |

| WELDED STEEL GRILLE SCREENS, GATES, ETC | | | | | |
|--|---|----|---|--|---|
| 4 | Single gate formed of 25 x 50 x 2mm hollow section frame and two horizontal rails and filled in with 12mm diameter solid vertical rails at 100mm centres. Locking box formed of 3mm thick flat section steel size 160 x 125 x 40mm, including seven lever upright double throw security mortice lock, including barrel bolt fixed to bottom of gate, including gate holder formed of 60 x 60 x 6mm flat section twice holed and bolted to concrete floor with two 8mm expansion bolts, and once holed for keep. Gate fixed to hollow section surround frame with three 20 x 70mm diameter bullet hinges. Surround frame formed of 25 x 50 x 2,5mm hollow section frame and bolted to brickwork at 300mm centres with 8mm bolts, overall gate size 1040 x 2140mm high. | No | 1 | | |
| 5 | Double gate with each leave formed of 25 x 50 x 2mm hollow section frame and two horizontal rails and filled in with 12mm diameter solid vertical rails at 100mm centres. Locking box formed of 3mm thick flat section steel size 160 x 125 x 40mm, including seven lever upright double throw security mortice lock, including barrel bolts fixed to bottom of gates, including two gate holders formed of 60 x 60 x 6mm flat section twice holed and bolted to concrete floor with two 8mm expansion bolts, and holed for keep. Each gate fixed to hollow section surround frame with three 20 x 70mm diameter bullet hinges. Surround frame formed of 25 x 50 x 2,5mm hollow section frame and bolted to brickwork at 300mm centres with 8mm bolts, overall gate size 1650 x 2140mm high | No | 4 | | |
| 6 | Double gate with each leave formed of 25 x 50 x 2mm hollow section frame and two horizontal rails and filled in with 12mm diameter solid vertical rails at 100mm centres. Locking box formed of 3mm thick flat section steel size 160 x 125 x 40mm, including seven lever upright double throw security mortice lock, including barrel bolts fixed to bottom of gates, including two gate holders formed of 60 x 60 x 6mm flat section twice holed and bolted to concrete floor with two 8mm expansion bolts, and holed for keep. Each gate fixed to hollow section surround frame with three 20 x 70mm diameter bullet hinges. Surround frame formed of 25 x 50 x 2,5mm hollow section frame and bolted to brickwork at 300mm centres with 8mm bolts, overall gate size 2500 x 3000mm high | No | 2 | | |
| 7 | Repair and replace existing 40 x 60 x 2,5mm hollow section bottom rail of existing sliding gate | kg | 8 | | |
| Carried to Collection | | | | | |
| Building Works Bill No. 11 Metalwork | | | | | R |

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|---|---|----|-----|---|--|
| 8 | Service existing sliding gate and provide new 50mm padlock | No | 10 | | |
| <u>PRESSED STEEL DOOR FRAMES</u> | | | | | |
| <u>1.2 mm Double rebated frame suitable for half brick wall</u> | | | | | |
| 9 | Frame for door 813 x 2032 mm high | No | 9 | | |
| 10 | Frame for door 813 x 2032mm high and fixed fanlight 305mm high | No | 4 | | |
| <u>1.2 mm Double rebated frame suitable for one brick wall</u> | | | | | |
| 11 | Frame for door 813 x 2032 mm high | No | 8 | | |
| 12 | Frame for door 864 x 2032 mm high | No | 1 | | |
| 13 | Frame for door 813 x 2032mm high and fixed fanlight 305mm high | No | 26 | | |
| <u>STEEL WINDOWS, DOORS, ETC</u> | | | | | |
| <u>Standard residential windows with 20 x 5mm flat bar NBP2 burglar bars to opening and fixed sashes</u> | | | | | |
| 14 | Window type NCT1S size 533 x 949mm high | No | 2 | | |
| 15 | Window type NCT2S size 1022 x 949mm | No | 1 | | |
| <u>Service existing steel windows and gates</u> | | | | | |
| 16 | Service existing window top hung open section, remove old painting, oil and grease hinges and adjust to open and close freely. Clean, polish and adjust brass peg stay. | No | 68 | | |
| 17 | Service existing window side hung open section, remove old painting, oil and grease hinges and adjust to open and close freely. Clean, polish and adjust brass sliding stay and handle. | No | 116 | | |
| <u>ALUMINIUM WINDOWS, DOORS, ETC</u> | | | | | |
| <u>SUPPLEMENTARY PREAMBLES</u> | | | | | |
| Carried to Collection | | | | | |
| Building Works Bill No. 11 Metalwork | | | | R | |

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|--|--|----|---|---|--|
| | <p><u>Aluminium doors, windows, etc</u></p> <p>Doors and windows shall comply with AAAMSA design criteria</p> <p>Glazing shall comply with SAGGA regulations. <u>Glass shall be type 6.5mm laminated safety performance glass in all windows and doors.</u> Glass thickness shall comply with SAGGA regulations irrespective of thickness's shown on the schedules/drawings</p> <p>Doors and windows shall be supplied with protective tape and plastic and shall be removed only once surrounding trades have been completed</p> <p>The following certificates shall be provided prior to commencement of site work:</p> <ol style="list-style-type: none"> 1 A copy of the relevant AAAMSA Performance Test Certificate from the manufacturer/contractor supplying the architectural aluminium product 2 A Certificate of Conformance confirming that anodising or powder coating has been processed in accordance with SANS 999 and SANS 1796 respectively 3 A Certificate of Conformance confirming that glazing has been installed in accordance with SANS 0137, ensuring that safety glazing materials have been installed in the mandatory areas and that each individual pane of safety glazing materials has been permanently marked 4 A warranty from the manufacturer of the laminated safety glass and/or hermetically sealed glazing units guaranteeing the products against delamination and colour degradation for a period of not less than five years <p><u>ALUMINIUM DOORS AND SHOPFRONTS</u></p> <p><u>Bronze anodised doors and shopfronts, complete with subframes, ironmongery, glass, sealing, etc and fixing to brickwork or concrete</u></p> <p>18 Single door in one pane, with fitted with 6,5mm laminated safety glass, including 3 hinges, double cylinder lock and anodised door handles, size 900 x 2100mm high</p> <p style="text-align: right;">Carried to Collection</p> <p>Building Works Bill No. 11 Metalwork</p> | No | 1 | R | |
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|--|--|----|---|---|--|
| 19 | Double door, each door has a middle rail to form two panes, fitted with 6,5mm laminated safety glass, including 3 hinges to each door, double cylinder lock and anodised door handles, one pair 150mm anodised flush bolts, overall size 1524 x 2134mm high | No | 4 | | |
| 20 | Purpose made shopfront, fitted with 6,5mm laminated safety glass, with one transome and one mullion to form 3 fixed panes, with one single door size 1025 x 2400mm high, including 3 hinges, double cylinder lock with anodised door handles, over all size 2200 x 3200mm high | No | 1 | | |
| 21 | Purpose made shopfront, fitted with 6,5mm laminated safety glass, with one transome and one mullion to form 4 fixed panes, over all size 2500 x 3200mm high | No | 1 | | |
| Carried to Collection | | | | R | |
| Building Works Bill No. 11 Metalwork | | | | | |

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|---|--|-----------------------|--|--------------------------------------|
| <p>Section No. 2</p> <p>Building Works</p> <p>Bill No. 11</p> <p>Metalwork</p> <p><u>COLLECTION PAGE</u></p> | | | | |
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| | | 80 | | ----- |
| | | 81 | | ----- |
| | | 82 | | ----- |
| | | 83 | | ----- |
| <p>Carried Forward to Summary of Section</p> | | | | R |
| <p>Building Works</p> <p>Bill No. 11</p> <p>Metalwork</p> | | | | |

| Item No | | Unit | Quantity | Rate | Amount R |
|--|------------------|----------------|----------|------|----------|
| <p><u>SECTION NO. 2</u></p> | | | | | |
| <p><u>BILL NO. 12</u></p> | | | | | |
| <p><u>TILING</u></p> | | | | | |
| <p>NOTE : Tenderers are advised to study the 'Specification of Materials and Methods to be used' (PW 371-A and B, July 2013) before pricing this bill</p> | | | | | |
| <p><u>Patterns</u></p> | | | | | |
| <p>Unless otherwise described, tiles shall be laid with continuous joints in both directions</p> | | | | | |
| <p><u>Fixing</u></p> | | | | | |
| <p>Unless described as "fixed with adhesive to plaster (plaster elsewhere)" descriptions of tiling on brick or concrete walls, columns, etc shall be deemed to include 1:4 cement plaster backing and descriptions of tiling on concrete floors etc shall be deemed to include 1:3 plaster bedding</p> | | | | | |
| <p>Tiling described as "fixed with adhesive on power floated concrete" shall be deemed to include for approved tiling key-coat</p> | | | | | |
| <p>Ceramic, porcelain, marble and granite tiles are to be fixed and grouted with suitable adhesives and grouts as recommended by the manufacturer of the tiles</p> | | | | | |
| <p><i>The Prime Cost (PC) amount per square meter is only for the tiles material purchased price, allow for additional off cut percentage, surface preparation material, adhesive, grout, transport to site, labour, profit, etc. in your unit price</i></p> | | | | | |
| <p><u>WALL TILING</u></p> | | | | | |
| <p><u>200 x 600 x 5mm Grade A porcelain tiles (PC R300/m²) fixed with adhesive to plaster (plaster elsewhere) and flush pointed with tinted waterproof grout</u></p> | | | | | |
| 1 | On walls | m ² | 379 | | |
| 2 | On narrow widths | m ² | 3 | | |
| <p>Carried to Collection</p> | | | | | R |
| <p>Building Works Bill No. 12 Tiling</p> | | | | | |

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| <p>Section No. 2</p> <p>Building Works</p> <p>Bill No. 12</p> <p>Tiling</p> <p><u>COLLECTION PAGE</u></p> <p>Total Brought Forward from Page No.</p> <p style="text-align: right;">Carried Forward to Summary of Section</p> <p>Building Works</p> <p>Bill No. 12</p> <p>Tiling</p> | | <p>Page No</p> <p>85</p> <p>86</p> | | <p>Amount R</p> <hr style="border-top: 1px dashed black;"/> <hr style="border-top: 1px dashed black;"/> |
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| Item No | | Unit | Quantity | Rate | Amount R |
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| | <p><u>SECTION NO. 2</u></p> <p><u>BILL NO. 13</u></p> <p><u>PLUMBING AND DRAINAGE</u> <u>(PROVISIONAL)</u></p> <p>NOTE : Tenderers are advised to study the 'Specification of Materials and Methods to be used' (PW 371-A and B, July 2013) before pricing this bill</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Stainless steel basins, sinks, wash troughs, urinals, etc</u></p> <p>Stainless steel for urinals, basins, quality sinks, wash troughs, institutional equipment, etc shall be Type 304 (18/8)</p> <p>Units shall have standard aprons on all exposed edges and tiling keys against walls where applicable</p> <p><u>Sealing of edges</u></p> <p>Outer edges of sinks, basins, baths, urinals, etc are to be sealed against adjacent surfaces with approved silicone</p> <p><u>uPVC pipes and fittings</u></p> <p>Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings</p> <p>Soil, waste and vent pipes and fittings shall be solvent weld jointed or sealed with butyl rubber rings</p> <p><u>uPVC pressure pipes and fittings</u></p> <p>Pipes of 50mm diameter and smaller shall be plain ended with solvent welded uPVC loose sockets and fittings</p> <p>Pipes of 63mm diameter and greater shall have sockets and spigots with push-in type integral rubber ring joints. Bends shall be uPVC and all other fittings shall be cast iron, all with similar push-in type joints</p> | | | | |
| | Carried to Collection | | | | R |
| | <p>Building Works Bill No. 13 Plumbing and drainage</p> | | | | |

Copper pipes

Pipes shall be hard drawn and half-hard "Maksal" pipes of the class described. Class 0 (thin walled hard drawn) pipes shall not be bent. Class 1 (thin walled half-hard), Class 2 (half-hard) and Class 3 (heavy walled half-hard) pipes shall only be bent with benders with inner and outer formers. Fittings to copper waste, vent and anti-syphon pipes, capillary solder fittings and compression fittings shall be "Cobra Watertech" type. Capillary solder fittings shall comply with ISO 2016

Copper pipes are to be installed in accordance with the latest revision of the Code of Practice for Copper Plumbing soldering techniques. Flux, solder, etc to be strictly in accordance with the manufacturer's requirements with special attention to copper flux composition

Reducing fittings

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

Fixing of pipes

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

Paper wrapping to pipes

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

Disinfection of water pipework

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

Carried to Collection

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Building Works
Bill No. 13
Plumbing and drainage

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| <p>General</p> <p>Descriptions of cast iron roof outlets shall be deemed to include joints to pipes and casting into concrete (adaptors for joints to PVC pipes, etc are given separately)</p> <p>Descriptions of overflow pipes where measured in number, shall be deemed to include joints to cisterns and splay cut ends</p> <p>Descriptions of pipes laid in and including trenches and of inspection chambers, catch pits, etc shall be deemed to include excavation, bedding, backfilling, compaction to a minimum of 90% Mod AASHTO density and disposal of surplus material on site</p> <p>Descriptions of service pipes and flexible connecting pipes shall be deemed to include connections to taps, cisterns, etc and to steel pipes (adaptors for connections to copper pipes, etc are given separately)</p> <p>Descriptions of WC pans, slop hoppers, etc shall be deemed to include for joints to soil pipes (pan connectors are separately measured)</p> <p><u>RAINWATER DISPOSAL</u></p> <p><u>0.5mm Armour Grey Colorbond factory coated Zincalume seamless gutters and rainwater down pipes</u></p> | | | | | |
| 1 | 125 x 85mm Ogee profile eaves gutters fixed to timber rafters | m | 209 | | |
| 2 | Extra over eaves gutter for stopped end | No | 2 | | |
| 3 | Extra over eaves gutter for angle | No | 27 | | |
| 4 | Extra over eaves gutter for outlet for 80mm diameter pipe | No | 22 | | |
| 5 | 80mm Diameter rainwater pipes, fixed to walls | m | 132 | | |
| 6 | Extra over rainwater pipe for shoe | No | 22 | | |
| 7 | Extra over rainwater pipe for eaves or plinth offset | No | 22 | | |
| <p><u>SANITARY FITTINGS</u></p> | | | | | |
| <p style="text-align: right;">Carried to Collection</p> | | | | | R |
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|----|---|----|----|--|---|
| | <u>Grade 304 (18/10) stainless steel</u> | | | | |
| 8 | 1500 x 435mm Inset stainless steel sink with double bowls on cupboard (cupboard elsewhere) | No | 2 | | |
| | <u>White vitreous china</u> | | | | |
| 9 | 560 x 405mm White vitreous china wash hand basin and pedestal | No | 4 | | |
| 10 | 560 x 390mm White vitreous china oval drop in vanity wash hand basin with semi punched tap holes | No | 4 | | |
| 11 | 520 x 435 x 250mm White vitreous china wash hand basin with semi-punched tap holes bolted to wall | No | 1 | | |
| 12 | White vitreous china close coupled wash down pan and matching 7 litre porcelain cistern complete with lid, fitments and sealing rings, with heavy duty plastic double flap seat and lid, installation to be according to manufacturers specifications | No | 11 | | |
| 13 | White vitreous china paraplegic paraplegic 90° outlet P-trap wash down pan with matching 9 litre cistern complete with heavy duty white double flap seat and lid, fitments and purpose made chromium plated side flush lever mounted on wall adjacent to cistern, installation according to manufacturers specifications complete with chromium plated fixing bolts | No | 1 | | |
| 14 | White vitreous china urinal mounted to wall with two hanger brackets and with top inlet, supplied with 38mm chromium plated domical grating, chromium spreader, complete with flush pipe connector and outlet flange with rubber seal and chromium plated bolts with flush pipe, installation according to manufacturers specifications. (flush valve elsewhere measured) | No | 2 | | |
| 15 | White vitreous china urinal division size 310 x 610 x 140mm fixed to wall | No | 2 | | |
| | <u>WASTE UNIONS ETC</u> | | | | |
| | <u>Waste unions, etc. with plug and chromium plated chain</u> | | | | |
| 16 | 32mm Chromium plated basin waste union | No | 9 | | |
| 17 | 40mm Chromium plated sink waste union | No | 4 | | |
| | Carried to Collection | | | | R |
| | Building Works Bill No. 13 Plumbing and drainage | | | | |

| TRAPS ETC | | | | | |
|--|---|----|----|--|---|
| 18 | 40 x 300mm Rubber sink combination for double bowl with deep seal "P" trap | No | 2 | | |
| 19 | 32 x 40mm Chromium plated brass deep seal bottle trap with cleaning eye and screwed coupling | No | 9 | | |
| 20 | 40 x 50mm Urinal chromium plated brass deep seal bottle trap with cleaning eye and screwed coupling | No | 2 | | |
| TAPS, VALVES, ETC | | | | | |
| 21 | 22mm Brass stopcock | No | 4 | | |
| 22 | 15mm Brass hose bib tap | No | 3 | | |
| 23 | 22mm Brass in-line strainer | No | 4 | | |
| 24 | 22mm Brass vacuum breaker | No | 8 | | |
| 25 | 22mm 400 KPa Pressure control valve | No | 4 | | |
| 26 | 22mm Brass non-return valve | No | 4 | | |
| 27 | 15mm Chromium plated extension piece with sliding wall flange | No | 4 | | |
| 28 | 15mm Chromium plated angle regulating valve | No | 34 | | |
| 29 | 15mm Chromium plated compression type full way ball valve | No | 2 | | |
| 30 | 22mm Chromium plated compression type full way ball valve | No | 2 | | |
| 31 | 15mm Chromium plated star bib tap | No | 2 | | |
| 32 | 22mm Chromium plated star bib tap | No | 2 | | |
| 33 | 15mm Chromium plated star pillar tap | No | 2 | | |
| 34 | 15mm Chromium plated single lever mixer pillar tap | No | 8 | | |
| 35 | 15mm Chromium plated elbow action pillar tap | No | 2 | | |
| 36 | 15mm Chromium plated star sink mixer | No | 2 | | |
| 37 | Chromium plated urinal flush valve | No | 2 | | |
| Carried to Collection | | | | | |
| Building Works Bill No. 13 Plumbing and drainage | | | | | R |

| SANITARY PLUMBING | | | | | |
|--|---|----|-----|---|--|
| <u>uPVC soil and vent pipes</u> | | | | | |
| 38 | 50mm Pipes | m | 26 | | |
| 39 | 110mm Pipes | m | 48 | | |
| 40 | 50mm Pipes chased into concrete floor and making good concrete floor | m | 39 | | |
| <u>Extra over uPVC soil and vent pipes for fittings</u> | | | | | |
| 41 | 110mm Pan connector | No | 12 | | |
| 42 | 110mm Bend pan connector | No | 1 | | |
| 43 | 50mm Bend | No | 26 | | |
| 44 | 50mm Access bend | No | 52 | | |
| 45 | 110mm Access bend | No | 36 | | |
| 46 | 110mm Access bend with anti-syphon horn | No | 12 | | |
| 47 | 50mm Access junction | No | 26 | | |
| 48 | 110mm Access junction | No | 24 | | |
| 49 | 110mm Access reducing junction | No | 24 | | |
| 50 | 50mm Air vent cowl | No | 10 | | |
| 51 | 110mm Air vent cowl | No | 12 | | |
| <u>Class 2 copper pipes</u> | | | | | |
| 52 | 15mm Pipes | m | 18 | | |
| 53 | 15mm Pipes chased into brickwork including brown paper lagging and making good plastering | m | 63 | | |
| 54 | 22mm Pipes | m | 160 | | |
| 55 | 22mm Pipes chased into brickwork including brown paper lagging and making good plastering | m | 143 | | |
| 56 | 28mm Pipes | m | 60 | | |
| Carried to Collection | | | | | |
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|----|---|----|-----|--|---|
| | <u>Polyethylene geyser drip tray with 50mm PVC pipe adaptor</u> | | | | |
| 71 | Standard geyser tray to suit 150 litre geyser | No | 3 | | |
| | <u>FIRE APPLIANCES ETC</u> | | | | |
| | <u>One coat water based galvanised iron primer and two coats UV-resistant water based alkyd roof paint on galvanised steel</u> | | | | |
| 72 | Fire hose reel with 30m rubber hose, chromium plated stopcock, shut-off nozzle and wall bracket, including galvanised sheet iron cupboard, prepare surfaces of cupboard, remove all loose material, dust, grease, salts and contamination with degreaser, rinse and apply galvanised iron primer and two coats Red High Gloss Enamel paint, fixed to wall | No | 3 | | |
| 73 | 9kg DPC portable fire extinguisher in and including galvanised sheet iron cupboard, prepare surfaces of cupboard, remove all loose material, dust, grease, salts and contamination with degreaser, rinse and apply galvanised iron primer and two coats Red High Gloss Enamel paint, fixed to wall | No | 2 | | |
| 74 | 5kg CO2 portable fire extinguisher in and including galvanised sheet iron cupboard, prepare surfaces of cupboard, remove all loose material, dust, grease, salts and contamination with degreaser, rinse and apply galvanised iron primer and two coats Red High Gloss Enamel paint, fixed to wall | No | 20 | | |
| | <u>PIPE INSULATION</u> | | | | |
| | <u>Synthetic foam rubber material pipe insulation</u> | | | | |
| 75 | Insulation 15mm thick to 15mm pipes | m | 36 | | |
| 76 | Insulation 15mm thick to 22mm pipes | m | 116 | | |
| | <u>Extra over pipe insulation for insulation around</u> | | | | |
| 77 | 15mm Fittings, valves, etc | No | 18 | | |
| 78 | 22mm Fittings, valves, etc | No | 58 | | |
| | <u>HOLES, CHASING, ETC.</u> | | | | |
| | Carried to Collection | | | | |
| | Building Works Bill No. 13 Plumbing and drainage | | | | R |

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| | <p><u>Core drilling hole not exceeding 50mm diameter</u></p> <p>79 One brick wall</p> <p><u>Core drilling hole exceeding 100mm and not exceeding 150mm diameter</u></p> <p>80 One brick wall</p> <p style="text-align: right;">Carried to Collection</p> <p>Building Works Bill No. 13 Plumbing and drainage</p> | <p>No</p> <p>No</p> | <p>61</p> <p>12</p> | | <p>R</p> |
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| 5 | <p>Mirrors shall be of 4mm thick silvered GG quality polished float glass with rounded and polished edges and splayed comers with foam backing</p> <p>Unless otherwise described, mirrors shall be with four holes for and screwed to and including approved patent plugs in plastered or tiled wall with countersunk steel screws tap-threaded for and including screw type chromium plated dome headed caps and felt washers</p> <p>Mirror size 450 x 600mm</p> <p style="text-align: right;">Carried to Collection</p> <p>Building Works Bill No. 14 Glazing</p> | No | 9 | | R |
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| Section No. 2 Building Works Bill No. 14 Glazing <u>COLLECTION PAGE</u> | | | | |
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| | <p><u>SECTION NO. 2</u></p> <p><u>BILL NO. 15</u></p> <p><u>PAINTWORK</u></p> <p>NOTE : Tenderers are advised to study the 'Specification of Materials and Methods to be used' (PW 371-A and B, July 2013) before pricing this bill</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>PREPARATORY WORK TO EXISTING WORK</u></p> <p><u>Previously painted plastered surfaces</u></p> <p>Surfaces shall be thoroughly washed down and allowed to dry completely before any paint is applied. Blistered or peeling paint shall be completely removed and cracks shall be opened, filled with a suitable filler and finished smooth</p> <p><u>Previously painted metal surfaces</u></p> <p>Surfaces shall be thoroughly rubbed and cleaned down. Blistered or peeling paint shall be completely removed down to bare metal</p> <p><u>Previously painted wood surfaces</u></p> <p>Surfaces shall be thoroughly cleaned down. Blistered or peeling paint shall be completely removed and cracks and crevices shall be primed, filled with suitable filler and finished smooth</p> <p><u>COLOURS</u></p> <p>Unless otherwise described paintwork on ceilings shall be deemed to be in the "White" colour group and paintwork on all other components shall be deemed to be in the "Pastel" colour group in accordance with the Natural Colour System (NCS) adopted by the SA National Standards</p> <p><u>PAINTWORK ETC TO NEW WORK</u></p> <p><u>ON INTERNAL FLOATED PLASTER SURFACES</u></p> | | | | |
| | Carried to Collection | | | | R |
| | <p>Building Works</p> <p>Bill No. 15</p> <p>Paintwork</p> | | | | |

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| <p><u>One coat alkali resistant primer and one coat bonding liquid and one under coat and two full coats premium quality polyurethane enamel paint</u></p> | | | | |
| <p>1 Walls</p> | m ² | 612 | | |
| <p><u>ON CONCRETE ROOF TILES</u></p> | | | | |
| <p><u>Clean the entire area thoroughly with soap detergent and rinse off thoroughly with clean water and allow to dry. Apply three coats UV-resistant water based alkyd roof paint, on concrete roof tiles</u></p> | | | | |
| <p>2 Concrete tile roofs (measured on flat)</p> | m ² | 227 | | |
| <p><u>ON PLASTERBOARD SURFACES</u></p> | | | | |
| <p><u>One coat alkali resistant primer and two coats PVA emulsion paint for interior use</u></p> | | | | |
| <p>3 Ceilings and cornices, including priming metal cover strips and nail heads</p> | m ² | 15 | | |
| <p><u>ON FIBRE-CEMENT BOARD SURFACES</u></p> | | | | |
| <p><u>One coat alkali resistant primer and one under coat and two coats premium quality smooth matt PVA acrylic copolymer emulsion paint</u></p> | | | | |
| <p>4 Ceilings and cornices, including priming metal cover strips and nail heads</p> | m ² | 43 | | |
| <p><u>One coat alkali resistant primer and one under coat and two coats two coats UV-resistant water based alkyd roof paint</u></p> | | | | |
| <p>5 Fascias and barge boards, including priming metal jointing strips</p> | m ² | 100 | | |
| <p><u>ON METAL SURFACES</u></p> | | | | |
| <p><u>One coat alkyd based zinc phosphate primer, one coat alkyd based universal undercoat and two coats premium quality polyurethane enamel paint</u></p> | | | | |
| <p>6 Doors and frames</p> | m ² | 13 | | |
| <p>7 Gates, grilles, burglar screens, ceiling screens, etc (both sides measured over the full flat area)</p> | m ² | 55 | | |
| <p>Carried to Collection</p> | | | R | |
| <p>Building Works Bill No. 15 Paintwork</p> | | | | |

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| 8 | Windows with burglar proofing (both sides measured over the full flat area) | m ² | 4 | | |
| 9 | Rails, bars, pipes, etc not exceeding 300mm girth | m | 224 | | |
| | <u>ON METAL SURFACES</u> | | | | |
| | <u>Clean the entire area thoroughly with a strong galvanised iron detergent and scrubbing brush, rinse off thoroughly with clean water and allow to dry. Apply one coat galvanised iron primer and one coat alkyd based universal undercoat and two coats UV-resistant water based alkyd roof paint, on galvanised steel</u> | | | | |
| 10 | IBR roofs and walls (measured on flat) | m ² | 239 | | |
| | <u>ON WOOD SURFACES</u> | | | | |
| | <u>One coat primer and one under coat and two coats high gloss enamel</u> | | | | |
| 11 | Roof timbers at eaves and verges | m ² | 150 | | |
| 12 | Slatted roof overhang | m ² | 227 | | |
| | <u>One coat primer and one under coat and two coats premium quality polyurethane enamel paint</u> | | | | |
| 13 | Doors | m ² | 183 | | |
| | <u>Three coats superior quality polyurethane suede varnish</u> | | | | |
| 14 | Skirtings, rails, etc not exceeding 300mm girth | m | 1 471 | | |
| | <u>PAINTWORK, ETC TO PREVIOUSLY PAINTED WORK</u> | | | | |
| | <u>ON QUARRY TILE SURFACES</u> | | | | |
| | <u>Two coats brick dressing</u> | | | | |
| 15 | Sills | m ² | 21 | | |
| | <u>ON GRANOLITHIC</u> | | | | |
| | <u>ON INTERNAL FLOATED PLASTER SURFACES</u> | | | | |
| | Carried to Collection | | | | R |
| | Building Works Bill No. 15 Paintwork | | | | |

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| 16 | <p><u>Remove any loose and flaking residue by means, wash with sugar soap, open up cracks and make good with flexible plaster filler sanded smooth apply one coat alkali resistant plaster primer to bare substrate areas and one coat bonding liquid and one under coat and two coats premium quality smooth matt PVA emulsion paint</u></p> <p>Ceilings</p> | m ² | 9 | | |
| 17 | <p><u>Remove any loose and flaking residue, wash with sugar soap, open up cracks and make good with flexible plaster filler, sanded smooth and apply one coat alkali resistant plaster primer to bare substrate areas and one coat bonding liquid and one under coat and two full coats low odour premium quality highly washable and stain resistant velvet sheen acrylic emulsion paint</u></p> <p>Walls</p> | m ² | 33 | | |
| 18 | <p><u>Remove any loose and flaking residue, wash with sugar soap, open up cracks and make good with flexible plaster filler, sanded smooth and apply one coat alkali resistant plaster primer to bare substrate areas and one coat bonding liquid and one under coat and two coats two full coats premium quality polyurethane enamel paint</u></p> <p>Walls</p> | m ² | 1 923 | | |
| 19 | <p><u>ON PLASTERBOARD SURFACES</u></p> <p><u>Remove any loose and flaking residue, wash with sugar soap, open up cracks and make good with flexible plaster filler, sanded smooth and apply one coat alkali resistant plaster primer to bare substrate areas and one coat bonding liquid and one under coat and two full coats low odour premium quality highly washable and stain resistant velvet sheen acrylic emulsion paint</u></p> <p>Partitions</p> | m ² | 165 | | |
| <u>ON EXTERNAL FLOATED PLASTER SURFACES</u> | | | | | |
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| <p>Building Works Bill No. 15 Paintwork</p> | | | | | |
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|---|---|----------------|-----|---|--|
| 20 | <p><u>Remove any loose and flaking residue, wash with sugar soap, open up cracks and make good with flexible plaster filler sanded smooth apply one coat alkali resistant plaster primer to bare substrate areas and one coat bonding liquid and one under coat and two full coats extremely durable UV-resistant water based mica reinforced fine textured acrylic paint</u></p> <p>Walls</p> | m ² | 559 | | |
| 21 | <p><u>ON CONCRETE ROOF TILES</u></p> <p><u>Clean the entire area thoroughly with soap detergent and rinse off thoroughly with clean water and allow to dry. Apply three coats UV-resistant water based alkyd roof paint, on concrete roof tiles</u></p> <p>Concrete tile roofs (measured on flat)</p> | m ² | 907 | | |
| 22 | <p><u>ON METAL SURFACES</u></p> <p><u>Remove any loose and flaking residue, treated rusted areas with chemical rust remover, spot priming bare metal surfaces with alkyd based zinc phosphate primer, one coat alkyd based universal undercoat and two coats premium quality polyurethane enamel paint</u></p> <p>Door frames</p> | m ² | 84 | | |
| 23 | <p>Windows with burglar proofing (both sides measured over the full flat area)</p> | m ² | 245 | | |
| 24 | <p>Gates, grilles, burglar screens, ceiling screens, balustrades, etc (both sides measured over the full flat area)</p> | m ² | 313 | | |
| 25 | <p>Rails, bars, pipes, etc</p> | m ² | 49 | | |
| 26 | <p><u>Remove any loose and flaking residue. Remove all rust by mechanical or hand cleaning methods. Treat the remaining light rust with chemical rust neutraliser. Clean the entire area thoroughly with a strong galvanised iron detergent and scrubbing brush, rinse off thoroughly with clean water and allow to dry. Apply one coat galvanised iron primer and three coats red UV-resistant water based alkyd roof paint, on galvanised steel</u></p> <p>IBR roofs and walls (measured on flat)</p> | m ² | 557 | | |
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| <p>Building Works Bill No. 15 Paintwork</p> | | | | | |

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| 27 | <p><u>ON WOOD SURFACES</u></p> <p><u>Remove any loose and flaking residue, spot priming bare wood surfaces with wood primer, one coat alkyd based universal undercoat and two coats premium quality polyurethane enamel paint</u></p> <p>Doors</p> <p style="text-align: right;">Carried to Collection</p> <p>Building Works Bill No. 15 Paintwork</p> | m ² | 11 | | |
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| <u>SECTION NO. 2</u> | | | | |
| <u>BILL NO. 16</u> | | | | |
| <u>BUILDER'S WORK IN CONNECTION WITH SPECIAL SERVICES (PROVISIONAL)</u> | | | | |
| NOTE : Tenderers are advised to study the 'Specification of Materials and Methods to be used' (PW 371-A and B, July 2013) before pricing this bill | | | | |
| <u>ELECTRICAL INSTALLATION</u> | | | | |
| 1 | 75mm PVC sleeve pipe and excavations not exceeding 1m deep | m | 20 | |
| 2 | 110mm PVC sleeve pipe and excavations not exceeding 1m deep | m | 20 | |
| 3 | Extra for 75mm bend | No | 12 | |
| 4 | Extra for 100mm bend | No | 12 | |
| 5 | Excavate in earth for and build manhole with one brick side on and including a 100mm thick 20MPa/19mm mass concrete base projecting 100mm under wall for face all round, including finishing in 3:1 cement plaster on inside, with 100mm thick 20MPa/19mm mass concrete slab over finished on all exposed surfaces in untinted granolithic with angles rounded with opening for and including 600 x 600mm cast iron double seal heavy duty manhole cover and frame with a mass of 75kg, laid in cement and sealed in tallow; size internally 0,6 x 0,6 x 0,9m deep | No | 2 | |
| 6 | 50mm wide chasing into existing wall for piping including making good plastering | m | 250 | |
| Carried Forward to Summary of Section | | | | R |
| Building Works Bill No. 16 Builders work in connection with services | | | | |

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| <u>SECTION NO. 3</u> | | | | |
| <u>BILL NO. 1</u> | | | | |
| <u>GENERAL SITE WORKS (PROVISIONAL)</u> | | | | |
| NOTE : Tenderers are advised to study the 'Specification of Materials and Methods to be used' (PW 371-A and B, July 2013) before pricing this bill | | | | |
| <u>REMOVAL OF TREES ETC</u> | | | | |
| <u>Cutting existing tree branches and removing</u> | | | | |
| 1 | Tree branch not exceeding 200mm girth | No | 3 | |
| 2 | Tree branch exceeding 200mm and not exceeding 500mm girth | No | 2 | |
| 3 | Tree branch exceeding 500mm and not exceeding 1000mm girth | No | 2 | |
| <u>Cutting down and removing, grubbing up roots and filling in holes</u> | | | | |
| 4 | Tree exceeding 200mm and not exceeding 500mm girth | No | 1 | |
| 5 | Tree exceeding 500mm and not exceeding 1000mm girth | No | 1 | |
| 6 | Tree exceeding 1000mm and not exceeding 1500mm girth | No | 1 | |
| 7 | Tree exceeding 1500mm and not exceeding 2000mm girth | No | 1 | |
| Carried Forward to Summary of Section | | | | R |
| External works Bill No. 1 General Site Works | | | | |

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| | <u>SECTION NO 3</u> | | | |
| | <u>BILL NO 2</u> | | | |
| | <u>PAVING, RAMPS AND SCREEN WALLS</u> | | | |
| | NOTE : Tenderers are advised to study the 'Specification of Materials and Methods to be used' (PW 371-A and B, July 2013) before pricing this bill | | | |
| | All excavations are measured as being in "earth" and/or filling compacted to 98% modified AASHTO density | | | |
| | <u>DEMOLITIONS ETC</u> | | | |
| | <u>Breaking up and removing</u> | | | |
| 1 | 60mm Thick concrete block paving on sand bed | m ² | 199 | |
| 2 | 80mm Thick concrete block paving on sand bed | m ² | 770 | |
| | <u>Breaking up and removing unreinforced concrete</u> | | | |
| 3 | 100mm Thick surface beds | m ² | 132 | |
| 4 | Steps | m ³ | 1 | |
| | <u>Breaking down and removing brickwork etc</u> | | | |
| 5 | One brick walls | m ² | 7 | |
| | <u>THE FOLLOWING IN STORMWATERPAVING, APRONS, SURFACE BEDS</u> | | | |
| | <u>EARTHWORKS</u> | | | |
| | <u>Open face excavation in earth over sloping site</u> | | | |
| 6 | Open face excavations in earth to reduce levels | m ³ | 214 | |
| | <u>Extra over bulk excavation in earth for excavation in</u> | | | |
| 7 | Soft rock | m ³ | 11 | |
| 8 | Hard rock | m ³ | 21 | |
| | Carried to Collection | | | |
| | External works Bill No. 2 Paving and ramps | | | R |

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|----|---|----------------|-----|--|---|
| | <u>Extra over all excavations for carting away</u> | | | | |
| 9 | Extra over all excavations for carting away surplus material from excavations and/or stockpile on site to a dumping site to be located by the Contractor | m ³ | 214 | | |
| | <u>Earth filling supplied by the contractor</u> | | | | |
| 10 | Filling of imported selected G5 gravel material and compacted in 150mm layers to 95% modified AASHTO density. | m ³ | 214 | | |
| | <u>Compaction of surfaces</u> | | | | |
| 11 | Compaction of ground surface under pavings, etc including scarifying for a depth of 150mm, breaking down over size material, adding suitable material where necessary and compact to 90% modified AASHTO density | m ² | 969 | | |
| | <u>Weed killer</u> | | | | |
| 12 | Weed killer under roads, paving, etc. | m ² | 969 | | |
| | <u>Prescribed density tests on filling</u> | | | | |
| 13 | "Modified AASHTO Density" test | No | 10 | | |
| | <u>One layer 250 micron black polyethylene waterproof sheeting (SANS 952-1985 type C) sealed at laps with PVC self-adhesive tape</u> | | | | |
| 14 | Under pavings | m ² | 969 | | |
| | <u>PRECAST CONCRETE</u> | | | | |
| | <u>Paving of 200 x 100 x 65mm thick 25MPa precast concrete paving blocks with butt joints on and including 20mm thick river sand bed with sand-and-cement mixture swept into joints and hosed down, including preparation of ground or filling</u> | | | | |
| 15 | Paving in stretcher bond to falls, including edge blocks | m ² | 199 | | |
| 16 | 200mm Wide brick-on-flat header course edging on 50mm thick mortar bed | m | 170 | | |
| 17 | Fair circular cutting | m | 5 | | |
| 18 | Pressure test to precast concrete paving blocks | No | 5 | | |
| | Carried to Collection | | | | R |
| | External works Bill No. 2 Paving and ramps | | | | |

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|----|--|----------------|-----|--|---|
| | <u>Fabric reinforcement</u> | | | | |
| 28 | Type 311 fabric reinforcement in concrete surface beds, slabs, etc | m ² | 9 | | |
| | <u>PRECAST CONCRETE</u> | | | | |
| 29 | Type "SABS 927 Fig. 3" barrier kerb 150 x 300mm high with and including 150 x 150 x 300mm unreinforced concrete haunching at back of each joint including excavation, backfilling, etc | m | 5 | | |
| 30 | Type "SABS 927 Fig. 3" barrier kerb 150 x 300mm high with and including 150 x 150 x 300mm unreinforced concrete haunching at back of each joint circular on plan not exceeding 4m radius formed of short lengths of straight kerb including excavation, backfilling, etc | m | 3 | | |
| 31 | Type "SABS 927 Fig. 14" mountable kerb 300 x 125mm high with and including 150 x 150 x 300mm unreinforced concrete haunching at back of each joint including excavation, backfilling, etc | m | 8 | | |
| | <u>THE FOLLOWING IN RAMP AND CONCRETE SLAB FOR GENERATOR</u> | | | | |
| | <u>EARTHWORKS</u> | | | | |
| | <u>Open face excavation in earth over sloping site</u> | | | | |
| 32 | Open face excavations in earth to reduce levels | m ³ | 10 | | |
| | <u>Excavation in earth not exceeding 2m deep</u> | | | | |
| 33 | Trenches | m ³ | 7 | | |
| | <u>Extra over excavation in earth for excavation in</u> | | | | |
| 34 | Soft rock | m ³ | 0.4 | | |
| 35 | Hard rock | m ³ | 1 | | |
| | <u>Extra over all excavations for carting away</u> | | | | |
| 36 | Extra over all excavations for carting away surplus material from excavations and/or stockpile on site to a dumping site to be located by the Contractor | m ³ | 4 | | |
| | Carried to Collection | | | | R |
| | External works | | | | |
| | Bill No. 2 | | | | |
| | Paving and ramps | | | | |

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|----|--|----------------|------|---|--|
| | <u>Risk of collapse of excavations</u> | | | | |
| 37 | Sides of trench and hole excavations not exceeding 1,5m deep | m ² | 12 | | |
| | <u>Keeping excavations free of water</u> | | | | |
| 38 | Keeping excavations free of water | | Item | | |
| | <u>Earth filling obtained from the excavations and/or prescribed stock piles on site, compacted to 93% Mod AASHTO density</u> | | | | |
| 39 | Backfilling to trenches, holes, etc | m ³ | 2 | | |
| | <u>Earth filling supplied by the contractor</u> | | | | |
| 40 | Filling of imported selected G5 gravel material and compacted in 150mm layers to 96% modified AASHTO density, including stabilisation with cement PI<6 stabilized 3% = C4 | m ³ | 9 | | |
| | <u>Compaction of surfaces</u> | | | | |
| 41 | Compaction of ground surface under pavings, etc including scarifying for a depth of 150mm, breaking down over size material, adding suitable material where necessary and compact to 90% modified AASHTO density | m ² | 15 | | |
| | <u>Weed killer</u> | | | | |
| 42 | Weed killer under roads, paving, etc. | m ² | 15 | | |
| | <u>One layer 250 micron black polyethylene waterproof sheeting (SANS 952-1985 type C) sealed at laps with PVC self-adhesive tape</u> | | | | |
| 43 | Under pavings, aprons and walkways | m ² | 15 | | |
| | <u>CONCRETE</u> | | | | |
| | <u>UNREINFORCED CONCRETE</u> | | | | |
| | <u>25MPa/19mm concrete cast against excavated surfaces</u> | | | | |
| 44 | Strip footings | m ³ | 4 | | |
| 45 | Steps | m ³ | 1 | | |
| | Carried to Collection | | | R | |
| | External works | | | | |
| | Bill No. 2 | | | | |
| | Paving and ramps | | | | |

| <u>REINFORCED CONCRETE</u> | | | | |
|---|--|----------------|----|---|
| <u>30 MPa/19mm stone</u> | | | | |
| 46 | In surface beds cast in panels over waterproofing membrane (elsewhere) | m ³ | 5 | |
| <u>Finishing top surfaces of concrete smooth with a wood float and ripple paint roller finish</u> | | | | |
| 47 | Surface beds, slabs, etc to falls | m ² | 31 | |
| <u>SMOOTH FORMWORK (DEGREE OF ACCURACY I)</u> | | | | |
| <u>Smooth formwork to sides</u> | | | | |
| 48 | Steps | m ² | 1 | |
| 49 | Edges, risers, ends and reveals not exceeding 300mm high or wide | m | 26 | |
| <u>TILING</u> | | | | |
| <i>The Prime Cost (PC) amount per square meter is only for the tiles material purchased price, allow for additional off cut percentage, surface preparation material, adhesive, grout, transport to site, labour, profit, etc. in your unit price</i> | | | | |
| <u>600 x 600 x 8mm Grade A coloured porcelain floor tiles (PC R300/m²) fixed with adhesive to screed (screed elsewhere) and flush pointed with tinted waterproof grout</u> | | | | |
| 50 | On floors to falls | m ² | 15 | |
| 51 | On treads 270mm wide of cut tiles | m | 10 | |
| 52 | On risers 170mm high of cut tiles | m | 10 | |
| <u>Aluminium corner protectors, stair nosing's, expansion joint strips, etc</u> | | | | |
| 53 | 40 x 20 x 2mm Aluminium stair nosing edge trim fixed with epoxy glue and screws at 100mm centres | m | 10 | |
| <u>MOVEMENT JOINTS ETC</u> | | | | |
| Carried to Collection | | | | R |
| External works | | | | |
| Bill No. 2 | | | | |
| Paving and ramps | | | | |

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|----|---|----------------|----|---|--|
| | <u>Expansion joints with softboard between vertical concrete and brick surfaces</u> | | | | |
| 54 | 20mm Joint not exceeding 300mm high | m | 9 | | |
| | <u>Two-part grey polysulphide sealing compound including backing cord, bond breaker, primer, etc</u> | | | | |
| 55 | 10 x 10mm In expansion joints in floors | m | 9 | | |
| | <u>REINFORCEMENT</u> | | | | |
| | <u>Fabric reinforcement</u> | | | | |
| 56 | Type 345 fabric reinforcement in concrete surface beds, slabs, etc | m ² | 30 | | |
| | <u>BRICKWORK</u> | | | | |
| | <u>Brickwork of NFP bricks in class II mortar</u> | | | | |
| 57 | One brick walls | m ² | 12 | | |
| | <u>Brickwork reinforcement</u> | | | | |
| 58 | 150mm Wide reinforcement built in horizontally | m | 25 | | |
| | <u>METALWORK</u> | | | | |
| | <u>STEEL BALUSTRADES</u> | | | | |
| | <u>Welded balustrades to ramps</u> | | | | |
| 59 | Horizontal balustrades 1000mm high, of 50mm diameter x 2mm thick continuous pipe handrail, 50 x 5mm flat section continuous top and bottom rails, 40mm diameter x 2mm thick posts with 120 x 60 x 6mm footplates bolted to concrete (bolts elsewhere) at 1,5m centres and 12mm diameter intermediate vertical balusters at 100mm centres between top and bottom rails | m | 2 | | |
| 60 | Raking balustrades 1000mm high, of 50mm diameter x 2mm thick continuous pipe handrail, 50 x 5mm flat section continuous top and bottom rails, 40mm diameter x 2mm thick posts with 120 x 60 x 6mm footplates bolted to concrete (bolts elsewhere) at 1,5m centres and 12mm diameter intermediate vertical balusters at 100mm centres between top and bottom rails | m | 9 | | |
| 61 | Extra over for flat closed end | No | 2 | | |
| | Carried to Collection | | | R | |
| | External works | | | | |
| | Bill No. 2 | | | | |
| | Paving and ramps | | | | |

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|--|--|----------------|-----|---|--|
| 62 | Extra over for L-intersection | No | 1 | | |
| 63 | Extra over for ramp or knee | No | 1 | | |
| 64 | 10mm Expansion bolt | No | 20 | | |
| <u>PLASTERING</u> | | | | | |
| <u>Granolithic</u> | | | | | |
| 65 | 25mm Thick on floors | m ² | 15 | | |
| <u>EXTERNAL PLASTER</u> | | | | | |
| <u>Cement plaster on brickwork</u> | | | | | |
| 66 | On walls | m ² | 5 | | |
| <u>PAINTWORK</u> | | | | | |
| <u>FLOATED PLASTER SURFACES WITH</u> | | | | | |
| <u>Prepare surfaces and remove all loose material, apply one coat plaster primer one universal under coat and two coats Micatex or other approved paint</u> | | | | | |
| 67 | On walls | m ² | 5 | | |
| <u>Prepare surfaces and remove all loose material, dust, grease, salts and contamination with degreaser, rinse and apply one coat metal primer, apply one universal undercoat and two coats High Gloss Enamel paint on galvanised steel</u> | | | | | |
| 68 | Balustrading (both sides measured over the full flat area) | m ² | 24 | | |
| <u>THE FOLLOWING IN SCREEN WALLS</u> | | | | | |
| <u>EARTHWORKS</u> | | | | | |
| <u>Excavation in earth not exceeding 2m deep</u> | | | | | |
| 69 | Trenches | m ³ | 6 | | |
| <u>Extra over excavation in earth for excavation in</u> | | | | | |
| 70 | Soft rock | m ³ | 0.3 | | |
| 71 | Hard rock | m ³ | 1 | | |
| Carried to Collection | | | | | |
| External works Bill No. 2 Paving and ramps | | | | R | |

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|----|--|----------------|-------|--|---|
| | <u>Extra over all excavations for carting away</u> | | | | |
| 72 | Extra over all excavations for carting away surplus material from excavations and/or stockpile on site to a dumping site to be located by the Contractor | m ³ | 5 | | |
| | <u>Risk of collapse of excavations</u> | | | | |
| 73 | Sides of trench and hole excavations not exceeding 1,5m deep | m ² | 21 | | |
| | <u>Keeping excavations free of water</u> | | | | |
| 74 | Keeping excavations free of water | | Item | | |
| | <u>Earth filling obtained from the excavations and/or prescribed stock piles on site, compacted to 93% Mod AASHTO density</u> | | | | |
| 75 | Backfilling to trenches, holes, etc | m ³ | 2 | | |
| | <u>CONCRETE</u> | | | | |
| | NOTE : Work Group No 110 for JBCC CPAP purposes | | | | |
| | <u>REINFORCED CONCRETE</u> | | | | |
| | <u>30MPa/19mm concrete cast against excavated surfaces</u> | | | | |
| 76 | Strip footings | m ³ | 4 | | |
| | <u>MOVEMENT JOINTS ETC</u> | | | | |
| | <u>Expansion joints with softboard between vertical brick surfaces</u> | | | | |
| 77 | 20mm Joint not exceeding 300mm high | m | 4 | | |
| | <u>Two-part grey polysulphide sealing compound including backing cord, bond breaker, primer, etc</u> | | | | |
| 78 | 10 x 10mm In expansion joints in floors | m | 8 | | |
| | <u>REINFORCEMENT</u> | | | | |
| | <u>Mild steel reinforcement to structural concrete work</u> | | | | |
| 79 | 8mm Diameter bars | t | 0.020 | | |
| | Carried to Collection | | | | R |
| | External works | | | | |
| | Bill No. 2 | | | | |
| | Paving and ramps | | | | |

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| <p>Section No. 3</p> <p>External works</p> <p>Bill No. 2</p> <p>Paving and ramps</p> <p><u>COLLECTION PAGE</u></p> | | | |
| <p>Total Brought Forward from Page No.</p> | <p>Page No</p> | | <p>Amount R</p> |
| | <p>111</p> | | <p>-----</p> |
| | <p>112</p> | | <p>-----</p> |
| | <p>113</p> | | <p>-----</p> |
| | <p>114</p> | | <p>-----</p> |
| | <p>115</p> | | <p>-----</p> |
| | <p>116</p> | | <p>-----</p> |
| | <p>117</p> | | <p>-----</p> |
| | <p>118</p> | | <p>-----</p> |
| | <p>119</p> | | <p>-----</p> |
| | <p>120</p> | | <p>-----</p> |
| <p>Carried Forward to Summary of Section</p> | | | <p>R</p> |
| <p>External works</p> <p>Bill No. 2</p> <p>Paving and ramps</p> | | | |

| Item No | | Quantity | Rate | Amount R |
|---------|--|----------|------|----------|
| | <p><u>SECTION NO. 3</u></p> <p><u>BILL NO. 3</u></p> <p><u>STORMWATER DRAINAGE, SOIL DRAINAGE AND WATER SUPPLY (PROVISIONAL)</u></p> <p>NOTE : Tenderers are advised to study the 'Specification of Materials and Methods to be used' (PW 371-A and B, July 2013) before pricing this bill</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>uPVC pipes and fittings</u></p> <p>Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings</p> <p>Soil, waste and vent pipes and fittings shall be solvent weld jointed or sealed with butyl rubber rings</p> <p><u>uPVC pressure pipes and fittings</u></p> <p>Pipes of 50mm diameter and smaller shall be plain ended with solvent welded uPVC loose sockets and fittings</p> <p>Pipes of 63mm diameter and greater shall have sockets and spigots with push-in type integral rubber ring joints. Bends shall be uPVC and all other fittings shall be cast iron, all with similar push-in type joints</p> <p><u>High density polyethylene (HDPE) pipes and fittings</u></p> <p>Pipes shall be type IV and of the class specified with compression fittings</p> <p><u>Reducing fittings</u></p> <p>Where fittings have reducing ends or branches they are described as "reducing" and only the largest end or branch size is given. Should the contractor wish to use other fittings and bushes or reducers he may do so on the understanding that no claim in this regard will be entertained</p> | | | |
| | Carried to Collection | | | |
| | External works Bill No. 3 Stormwater drainage, soil drainage and water supply | | R | |

Fixing of pipes

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

Disinfection of water pipework

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

Laying, backfilling, bedding, etc of pipes

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

Where no manufacturers' instructions exist, pipes shall be laid in accordance with Clauses 5.1 and 5.2 of each of the following:

- SABS 1200L : Medium-pressure pipelines
- SABS 1200LD : Sewers
- SABS 1200LE : Stormwater drainage

Pipe trenches, etc shall be backfilled in accordance with Clauses 3, 5.5, 5.6, 5.7 and 7 of SABS 1200DB : Earthworks (Pipe trenches)

Pipes shall be bedded in accordance with Clauses 3.1 to 3.4.1, 5.1 to 5.3 and 7 of SABS 1200LB : Bedding (Pipes)

Unless otherwise described bedding of rigid pipes shall be Class B bedding

General

Descriptions of pipes laid in and including trenches and of inspection chambers, catch pits, etc shall be deemed to include excavation, bedding, backfilling, compaction to a minimum of 93% Mod AASHTO density and disposal of surplus material on site

Descriptions of service pipes and flexible connecting pipes shall be deemed to include connections to taps, cisterns, etc and to steel pipes (adaptors for connections to copper pipes, etc are given separately)

Carried to Collection

External works
Bill No. 3
Stormwater drainage, soil drainage and water supply

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| <u>STORMWATER DRAINAGE</u> | | | | | |
|--|---|----------------|--|----|---|
| NOTE : All excavations are measured as being in "earth" and/or filling compacted to 98% modified AASHTO density | | | | | |
| <u>STORMWATER DRAINAGE</u> | | | | | |
| <u>uPVC</u> | | | | | |
| 1 | 110mm Pipes laid in and including trenches not exceeding 1m deep | m | | 21 | |
| 2 | 160mm Pipes laid in and including trenches exceeding 1m and not exceeding 2m deep | m | | 32 | |
| <u>Concrete stormwater channels</u> | | | | | |
| 3 | 750 x 350mm Channel with segmental channel formed therein and finished smooth on exposed surfaces including two Y12 steel reinforcing bars, including necessary excavation and formwork | m | | 53 | |
| 4 | Extra over for angles, intersections, ends, etc | No | | 5 | |
| <u>Sump, catchpits, etc including excavations. 100mm thick 20MPa concrete bottom. one brick walls with plaster to inside and 100mm thick concrete coping slab rebated all round</u> | | | | | |
| 5 | Catchpit 600 x 600mm and exceeding 500 and not exceeding 750mm deep and including cast iron dished grating and frame | No | | 6 | |
| <u>SUNDRIES</u> | | | | | |
| 6 | Extra over excavation in earth for pipe trenches, chambers, etc for excavation in soft rock | m ³ | | 3 | |
| 7 | Extra over excavation in earth for pipe trenches, chambers, etc for excavation in hard rock | m ³ | | 5 | |
| 8 | Extra over excavation for pipe trenches, chambers, etc for carting away surplus material to a dumping site to be located by the contractor | m ³ | | 8 | |
| 9 | Extra over backfilling to drain trenches, chambers, etc for suitable earth backfilling supplied by the contractor | m ³ | | 8 | |
| 10 | Concrete encasing to 110mm horizontal pipes | m | | 21 | |
| Carried to Collection | | | | | |
| External works Bill No. 3 Stormwater drainage, soil drainage and water supply | | | | | R |

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|----|--|----|------|---|--|
| 11 | Concrete encasing to 160mm horizontal pipes | m | 32 | | |
| | <u>Testing</u> | | | | |
| 12 | Testing stormwater drainage | | Item | | |
| | <u>TESTING</u> | | | | |
| | <u>SOIL DRAINAGE</u> | | | | |
| | NOTE : All excavations are measured as being in "earth" and/or filling compacted to 98% modified AASHTO density | | | | |
| | <u>Normal duty (Class 51) uPVC sewer and drain pipes</u> | | | | |
| 13 | 110mm Pipes vertically or ramped to cleaning eyes etc (no excavation) | m | 11 | | |
| 14 | 110mm Pipes laid in and including trenches not exceeding 1m deep | m | 126 | | |
| 15 | 110mm Pipes laid in and including trenches exceeding 1m and not exceeding 2m deep | m | 16 | | |
| | <u>Extra over normal duty (Class 51) uPVC sewer and drain pipes for fittings</u> | | | | |
| 16 | 110mm Bend | No | 17 | | |
| 17 | 110mm Access bend | No | 5 | | |
| 18 | 110mm Access junction | No | 13 | | |
| 19 | 110mm Rodding eye cover and frame with 300 x 300 x 300 mm concrete surround. | No | 3 | | |
| | <u>uPVC gulleys</u> | | | | |
| 20 | 110mm 'P' trap gulley, including gulley head and grating, including excavating for, bedding on and encasing in 15MPa/19mm mass concrete and fitted with precast concrete gulley top, not exceeding 500mm deep. | No | 4 | | |
| | <u>Precast concrete circular inspection chambers including precast concrete cover slabs (covers elsewhere) including bottom concrete slab and channels in benching</u> | | | | |
| 21 | 1000mm Diameter inspection chamber not exceeding 1000mm deep internally | No | 1 | | |
| | Carried to Collection | | | R | |
| | External works | | | | |
| | Bill No. 3 | | | | |
| | Stormwater drainage, soil drainage and water supply | | | | |

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|----|--|----------------|-----|------|---|
| 22 | 1000mm Diameter inspection chamber exceeding 1000mm and not exceeding 1500mm deep internally | No | 1 | | |
| | <u>Cast iron covers etc</u> | | | | |
| 23 | Heavy duty precast concrete manhole cover and frame | No | 2 | | |
| 24 | Lifting-key for manhole cover (handed to employer) | No | 1 | | |
| | <u>SUNDRIES</u> | | | | |
| 25 | Extra over excavation in earth for pipe trenches, chambers, etc for excavation in soft rock | m ³ | 7 | | |
| 26 | Extra over excavation in earth for pipe trenches, chambers, etc for excavation in hard rock | m ³ | 14 | | |
| 27 | Extra over excavation for pipe trenches, chambers, etc for carting away surplus material to a dumping site to be located by the contractor | m ³ | 20 | | |
| 28 | Extra over backfilling to drain trenches, chambers, etc for suitable earth backfilling supplied by the contractor | m ³ | 20 | | |
| 29 | Concrete encasing to 110mm horizontal pipes | m | 120 | | |
| | <u>Testing</u> | | | | |
| 30 | Testing soil drainage system | | | Item | |
| | <u>WATER SUPPLIES</u> | | | | |
| | NOTE : All excavations are measured as being in "earth" and/or filling compacted to 98% modified AASHTO density | | | | |
| | <u>Class 10 HDPE type IV pipes</u> | | | | |
| 31 | 25mm Pipes laid in and including trenches not exceeding 1m deep | m | 50 | | |
| 32 | 40mm Pipes laid in and including trenches not exceeding 1m deep | m | 5 | | |
| | <u>Extra over Class 10 HDPE type IV pipes for compression fittings</u> | | | | |
| 33 | 25mm Fittings | No | 9 | | |
| 34 | 40mm Stop end | No | 1 | | |
| | Carried to Collection | | | | R |
| | External works | | | | |
| | Bill No. 3 | | | | |
| | Stormwater drainage, soil drainage and water supply | | | | |

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|----|--|----------------|---|------|--|
| 35 | 40 x 25mm Reducer | No | 2 | | |
| 36 | 40mm Elbow | No | 3 | | |
| 37 | 40mm Tee | No | 2 | | |
| 38 | 40 x 25mm Reducing tee | No | 2 | | |
| | <u>Galvanized mild steel pipes</u> | | | | |
| 39 | 20mm Pipes | m | 4 | | |
| | <u>Extra over galvanized mild steel pipes for fittings</u> | | | | |
| 40 | 20mm Fittings | No | 8 | | |
| | <u>VALVES. ETC</u> | | | | |
| | <u>Valves, etc. including joints to pipes and/or fittings</u> | | | | |
| 41 | 15mm Brass hose bib tap | No | 4 | | |
| 42 | 25mm Gate valve including connections to pipe | No | 3 | | |
| 43 | 40mm Gate valve including connections to pipe | No | 2 | | |
| | <u>STOPCOCK BOXES. ETC</u> | | | | |
| | <u>Precast concrete circular valve chambers including precast concrete bottom and cover slabs and precast concrete cover</u> | | | | |
| 44 | 675mm Diameter inspection chamber 1000mm deep internally | No | 5 | | |
| | <u>TESTING</u> | | | | |
| 45 | Testing the water supply installation | | | Item | |
| | <u>SUNDRIES</u> | | | | |
| 46 | Extra over excavation in earth for pipe trenches, chambers, etc for excavation in soft rock | m ³ | 3 | | |
| 47 | Extra over excavation in earth for pipe trenches, chambers, etc for excavation in hard rock | m ³ | 6 | | |
| 48 | Extra over excavation for pipe trenches, chambers, etc for carting away surplus material to a dumping site to be located by the contractor | m ³ | 8 | | |
| | Carried to Collection | | | | |
| | External works | | | | |
| | Bill No. 3 | | | | |
| | Stormwater drainage, soil drainage and water supply | | | | |

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| 49 | Extra over backfilling to drain trenches, chambers, etc for suitable earth backfilling supplied by the contractor | m ³ | 8 | | |
| 50 | Concrete encasing to 25mm horizontal pipes | m | 5 | | |
| 51 | Concrete encasing to 40mm horizontal pipes | m | 1 | | |
| Carried to Collection | | | | | |
| External works Bill No. 3 Stormwater drainage, soil drainage and water supply | | | | R | |

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|--|----------------------------------|--|------------------------|
| <p>Section No. 3</p> <p>External works</p> <p>Bill No. 3</p> <p>Stormwater drainage, soil drainage and water supply</p> <p><u>COLLECTION PAGE</u></p> | | | |
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| | <p>123</p> | | <p>-----</p> |
| | <p>124</p> | | <p>-----</p> |
| | <p>125</p> | | <p>-----</p> |
| | <p>126</p> | | <p>-----</p> |
| | <p>127</p> | | <p>-----</p> |
| | <p>128</p> | | <p>-----</p> |
| <p>Carried Forward to Summary of Section</p> | | | <p>R</p> |
| <p>External works</p> <p>Bill No. 3</p> <p>Stormwater drainage, soil drainage and water supply</p> | | | |

| Item No | | Quantity | Rate | Amount R |
|---------|--|----------|------|----------|
| | <p><u>SECTION NO. 3</u></p> <p><u>BILL NO. 4</u></p> <p><u>FENCING</u></p> <p>The perimeter fence consist of Heavy, high security welded panel fence, with rectangular mesh</p> <p><u>Posts</u></p> <ul style="list-style-type: none"> • Bekafix Secure 70 x 44 x 2.0mm x 3400 mm long. (I Profile) • Set posts vertically into ground at 3000mm centres. • Longer posts will be required where fence steps > 200mm. <p><u>Foundations</u></p> <ul style="list-style-type: none"> • Cast 400 x 400 x 700 deep 15MPa/19 stone at each post. • Ground conditions may require additional concrete. <p><u>Heavy Security Mesh Panels</u></p> <ul style="list-style-type: none"> • Mesh panels shall be ref. 35 10 3V, fabricated from high tensile steel with a weld strength of 60% and a tensile strength of 500N/mm². • Horizontal and vertical wires shall have a core diameter of 3.00mm with a tolerance of +- 0,0 7mm • Apertures shall be 76.2mm W x 12.7mm H c/c of wires. • Panels are laterally strengthened by incorporation of 3 x 43mm deep, V-profiled horizontal stiffener bends. • Panel finish size tolerance s: width +- 2.0mm and height +-6mm □ Mesh panels are manufactured with Zincalu wire (Galfan). <p><u>Vandal Resistant Fixing</u></p> <ul style="list-style-type: none"> • To Posts: Mini spider fixators bolted through the post using M8 anti-vandal cupsquare bolts, shear-off nuts & flat washers. • Top spike rail: Bolted using M8 anti-vandal cupsquare bolts, shear-off nuts & Fender washers. • All fasteners and fixing screws shall be Grade 316 Stainless Steel. | | | |
| | Carried to Collection | | | |
| | External works | | | |
| | Bill No. 4 | | | |
| | Fencing and gates | | | |
| | | | R | |

| FENCING | | | | | |
|---|---|----|----|---|--|
| 14 | 2000mm High security fence in 3000mm wide heavy security panels with 3mm tension steel, including 70 x 44 x 2mm wall thickness mild steel hollow section top rail, security spikes and cross coiled razor barbed wire on top and fittings. Strictly according to the manufacturers specification. | m | 77 | | |
| 15 | 70 x 44 x 2mm Wall thickness mild steel I profile post 3400mm long with 2mm cover plate welded on top, mass concrete (20 MPa) base size 400 x 400 x 700mm deep, excavations, backfilling, ramming, etc. | No | 30 | | |
| Carried to Collection | | | | | |
| External works Bill No. 4 Fencing and gates | | | | R | |

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|--|----------------------------------|--|------------------------|
| <p>Section No. 3</p> <p>External works</p> <p>Bill No. 4</p> <p>Fencing and gates</p> <p><u>COLLECTION PAGE</u></p> | | | |
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| | <p>132</p> | | <p>-----</p> |
| | <p>133</p> | | <p>-----</p> |
| <p>Carried Forward to Summary of Section</p> | | | <p>R</p> |
| <p>External works</p> <p>Bill No. 4</p> <p>Fencing and gates</p> | | | |

| Bill No | <u>SECTION SUMMARY - External works</u> | Page No | Amount R |
|---------|---|---------|----------|
| | Section No. 3 | | |
| | External works | | |
| 1 | General Site Works | 110 | |
| 2 | Paving and ramps | 121 | |
| 3 | Stormwater drainage, soil drainage and water supply | 129 | |
| 4 | Fencing and gates | 134 | |
| | Carried to Final Summary | | R |
| | External works | | |

| Item No | | Quantity | Rate | Amount R |
|---------|--|----------|------|------------|
| | <u>SECTION NO. 4</u> | | | |
| | <u>BILL NO. 1</u> | | | |
| | <u>EMPLOYMENT AND TRAINING OF LABOUR ON THE EPWP-NYS INFRASTRUCTURE PROJECTS</u> | | | |
| | <u>SUPPLEMENTARY PREAMBLES</u> | | | |
| | Tenderers are advised to study the Additional Specification SL: Employment and Training of Labour on the Expanded Public Works Programme (EPWP) Infrastructure Projects: National Youth Service, as bound elsewhere in the Specification section of these procurement documents and then price this bill accordingly | | | |
| | <u>TRAINING OF YOUTH WORKERS(TARGET: 12 YOUTH WORKERS)</u> | | | |
| | <u>Orientation and life skills development and Technical training</u> | | | |
| 1 | Provide the sum of R192 000.00 (One Hundred and Ninety Two Thousand Rand) net for 30 days skills development and training for youth workers | Item | | 192 000.00 |
| 2 | Allow for profit on last if required | Item | | |
| 3 | Allow for attendance | Item | | |
| | Penalty per youth worker due to not meeting the target is R2000.00 | | | |
| | <u>EMPLOYMENT OF YOUTH WORKERS</u> | | | |
| 4 | Provide the sum of R224 400.00 (Two Hundred and Twenty Four Thousand Four Hundred Rand) net for the employment of youth workers | Item | | 224 400.00 |
| 5 | Allow for profit on last if required | Item | | |
| 6 | Allow for attendance | Item | | |
| | Carried to Collection | | | R |
| | Employment and training for labour and EPWP-NYS Bill No. 1 Employment and training for labour and EPWP-NYS | | | |

| <u>PROVISION OF EPWP DESIGNED OVERHALLS, HARD HATS AND SAFETY BOOTS TO YOUTH WORKERS</u> | | | | |
|---|--|------|---|-----------|
| 7 | Provide the sum of R11 200.00 (Eleven Thousand Two Hundred Rand) net for the supply of EPWP designed overalls, hard hats and safety boots to youth workers | Item | | 11 200.00 |
| 8 | Allow for profit on last if required | Item | | |
| 9 | Allow for attendance | Item | | |
| <u>PROVISION OF SMALL TOOLS FOR YOUTH WORKERS</u> | | | | |
| 10 | Provide the sum of R18 000.00 (Eighteen Thousand Rand) net for the supply of small tools to youth workers. Specification to be supplied by the EPWP-NYS Service provider for the respective trades | Item | | 18 000.00 |
| 11 | Allow for profit on last if required | Item | | |
| 12 | Allow for attendance | Item | | |
| <u>PROVISION FOR MEDICAL FITNESS TEST FOR YOUTH WORKERS</u> | | | | |
| 13 | Provide the sum of R7 560.00 (Seven Thousand Five Hundred and Sixty Rand) net for the medical fitness test for the learners before coming on site | Item | | 7 560.00 |
| 14 | Allow for profit on last if required | Item | | |
| 15 | Allow for attendance | Item | | |
| <u>PROVISION FOR GRADUATION CEREMONY OF THE LEARNERS AND EXTERNAL STAKEOLDERS</u> | | | | |
| 16 | Provide the sum of R13 500.00 (Thirteen Thousand Five Hundred Rand) net for the provisional for the graduation ceremony of the learners and external stakeholders | Item | | 13 500.00 |
| 17 | Allow for profit on last if required | Item | | |
| 18 | Allow for attendance | Item | | |
| Carried to Collection | | | R | |
| Employment and training for labour and EPWP-NYS | | | | |
| Bill No. 1 | | | | |
| Employment and training for labour and EPWP-NYS | | | | |

| <u>PROVISION OF EPWP-NYS SUPERVISOR FOR YOUTH WORKERS</u> | | | | |
|--|--|-----|-------|-----------|
| 19 | Provide the sum of R60 000.00 (Sixty Thousand Rand) net for the supervisor as appointed by the main contractor | | Item | 60 000.00 |
| 20 | Allow for profit on last if required | | Item | |
| 21 | Allow for attendance | | Item | |
| <u>Liason with Service Provider</u> | | | | |
| 22 | Liason with Service Provider | Hrs | 50.00 | |
| <u>EPWP-NYS Name board</u> | | | | |
| 23 | EPWP-NYS Name board | | Item | |
| Carried to Collection | | | | |
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| <u>COLLECTION PAGE</u> | | | |
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| 1 | Preliminaries | 30 | |
| 2 | Building Works | 109 | |
| 3 | External works | 135 | |
| 4 | Employment and training for labour and EPWP-NYS | 139 | |
| 5 | Provisional sums | 140 | |
| | Electrical Installation summary of Electrical Engineer's Bills of Quantities <i>(Total must include main contractor profit and attendance)</i> | Item | |
| | Subtotal | | R |
| | ADD: Value added Tax at 15% | | R |
| | Total Carried to Form of Offer and Acceptance DPW-07(EC) | | R |