

| Item No |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Quantity | Amount |
|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------|
|         | <p><b><u>SECTION NO 1</u></b></p> <p><b><u>BILL NO. 1</u></b></p> <p><b><u>PRELIMINARIES AND GENERAL</u></b></p> <p><b><u>MEANING OF TERMS "TENDER / TENDERER"</u></b></p> <p>Any reference to the words "Tender" or "Tenderer" herein and/or in any other documentation shall be construed to have the same meaning as the words "Bid" or "Bidder"</p> <p><b><u>PRELIMINARIES</u></b></p> <p>The JBCC Preliminaries , May 2018 edition for use with the JBCC Principal Building Agreement Edition 6.2 is taken to be incorporated herein. The tenderer is deemed to have referred to these documents for the full intent and meaning of each clause. These clauses are referred to by number and heading only. Where standard clauses or options are not applicable to the contract such modifications or corrections as are necessary are given under each relevant clause. Where an item is not relevant to this specific contract such item is marked "N/A" signifying "Not Applicable"</p> <p><b><u>PRICING OF PRELIMINARIES</u></b></p> <p>Should Option A, as set out in clause B10.3.1 hereinafter be used for the adjustment of preliminaries then each item priced is to be allocated to one or more of the three categories Fixed, Value Related or Time Related and the respective amounts entered in the spaces provided under each item</p> <p>Items not priced in these Preliminaries shall be deemed to be included elsewhere in these Bills of Quantities</p> <p><b><u>SECTION A: JBCC PRINCIPAL BUILDING AGREEMENT</u></b></p> <p><b><u>DEFINITIONS AND INTERPRETATION</u></b></p> |          |        |
| 1       | <p><b>A1.0 DEFINITIONS AND INTERPRETATION</b></p> <p>Clause 1.0</p> <p>Clause 1.1 Definition of "<b>Commencement Date</b>" is added:</p> <p>"<b>COMMENCEMENT DATE</b>" means the date that the <b>agreement</b>, made in terms of the Form of Offer and Acceptance, comes into effect</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |        |
|         | <p style="text-align: right;"><b>Carried to Collection</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | R        |        |
|         | <p>Bill No. 1<br/>PRELIMINARIES AND GENERAL</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |        |

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

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

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

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

Clause 1.1 Definition of "**Corrupt Practice**" is added:

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

Clause 1.1 Definition of "**Fraudulent 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

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**10.11 Damage to the Works**

- (a) Without in any way limiting the **contractor's** obligations in terms of the contract, the **contractor** shall bear the full risk of damage to and/or destruction of the **works** by whatever cause during construction of the **works** and hereby indemnifies and holds harmless the **employer** against any such damage. The **contractor** shall take such precautions and security measures and other steps for the protection and security of the **works** as the **contractor** may deem necessary
- (b) The **contractor** shall at all times proceed immediately to remove or dispose of any debris arising from damage to or destruction of the **works** and to rebuild, restore, replace and/or repair the **works**
- (c) The **employer** shall carry the risk of damage to or destruction of the **works** and materials paid for by the **employer** that is the result of the excepted risks as set out in 10.12
- (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 27.0 hereof

**10.12 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**

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- (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**

#### **10.13 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:

##### **10.13.1 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

##### **10.13.2 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

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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

**10.13.3** 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

**10.13.4** 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: \_\_\_\_\_

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**11 A11.0 SECURITIES**

Clause 11.0

Clauses 11.1 - 11.10 are amended by replacing them with the following:

11.1 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)

11.1.1 The payment reduction of the value certified in a **payment certificate** shall be *mutatis mutandi* in terms

11.1.2 The **employer** shall be entitled to recover expense and loss from the payment reduction in terms of 27.0 provided that the **employer** complies with the provisions of 27.4 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**

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11.2 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 11.3, 11.4, 11.5, 14.6, or 11.7 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 11.7 shall be deemed to have been selected

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

11.3.1 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**

11.3.2 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**

11.3.3 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**

11.3.4 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**

11.3.5 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**

11.3.6 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

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

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11.4.1 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**

Clause 11.4.1 is deemed to be amended by the addition of the following sentence;

No interest will be paid on such amounts withheld

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

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

11.4.4 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**

11.5 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:

11.5.1 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)

11.5.2 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**

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

11.5.4 The payment reduction of the value certified in a **payment certificate** shall be in terms of clause 25.

11.5.5 Where the **employer** has a right of recovery against the **contractor** in terms of 27.0, 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

11.6 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:

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11.6.1 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**

11.6.2 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**

11.6.3 The payment reduction of the value certified in a **payment certificate** shall be *mutatis mutandi* in terms of 25

11.6.4 Where the **employer** has a right of recovery against the **contractor** in terms of 27.0, the **employer** may issue a written notice in terms of 27.4 or may recover from the payment reduction or may do both

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

11.7.1 The payment reduction of the value certified in a **payment certificate** shall be *mutatis mutandi* in terms of clause 25

11.7.2 The **employer** shall be entitled to recover expense and loss from the payment reduction in terms of 27.0 provided that the **employer** complies with the provisions of 27.4 in which event the **employer's** entitlement shall take precedence over his obligations to refund the payment reduction or portions thereof to the **contractor**

11.8 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**

11.9 Should the **contractor** fail to furnish the **security** in terms of 11.2, 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 11.7 shall be applicable

Fixed:\_\_\_\_\_ Value related:\_\_\_\_\_ Time related:\_\_\_\_\_

## **EXECUTION**

### 12 **A12.0 OBLIGATIONS OF THE PARTIES**

Clause 12.0

Clause 12.1.1 is amended by replacing it with:

No clause

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|    | <p>Clause 12.2.4 is amended by the addition of the following clause:</p> <p>12.2.4 An acceptable health and safety plan, required in terms of the Occupational Health and Safety Act, 1993 (Act 85 of 1993), within twenty-one (10) <b>calendar days</b> of <b>commencement date</b></p> <p>Clause 12.2.7 is amended by replacing it with the following clause:</p> <p>Give the <b>contractor</b> possession of the <b>site</b> within ten (10) <b>working days</b> of the <b>contractor</b> complying with the terms of 12.2.4</p> <p>Fixed:_____ Value related:_____ Time related:_____</p> | Item |  |
| 13 | <p><b>A13.0 SETTING OUT OF THE WORKS</b></p> <p>Clause 13.0</p> <p>Fixed:_____ Value related:_____ Time related:_____</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Item |  |
| 14 | <p><b>A14.0 NOMINATED SUBCONTRACTORS</b></p> <p>Clause 14.0</p> <p>Clause 14.1.5 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 <b>nominated subcontractors</b> executing work allowed for under provisional sums</p> <p>Fixed:_____ Value related:_____ Time related:_____</p>                                                                                                                                                                                                                       | Item |  |
| 15 | <p><b>A15.0 SELECTED SUBCONTRACTORS</b></p> <p>Clause 15.0</p> <p>Clause 15.1.2 to 15.5 and 15.2 to 15.5 is amended by replacing it with:</p> <p>The Contractor and principal agent shall appoint a selected subcontractor in accordance with the CIDB practice #7</p> <p>Fixed:_____ Value related:_____ Time related:_____</p>                                                                                                                                                                                                                                                              | Item |  |
| 16 | <p><b>A16.0 DIRECT CONTRACTORS</b></p> <p>Clause 16.0</p> <p>Fixed:_____ Value related:_____ Time related:_____</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Item |  |
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| 17 | <p><b>A17.0 CONTRACT INSTRUCTIONS</b></p> <p>Clause 17.0</p> <p>Fixed:_____ Value related:_____ Time related:_____</p> <p><b><u>COMPLETION</u></b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Item |  |
| 18 | <p><b>A18.0 INTERIM COMPLETION</b></p> <p>Clause 18.0</p> <p>Fixed:_____ Value related:_____ Time related:_____</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Item |  |
| 19 | <p><b>A19.0 PRACTICAL COMPLETION</b></p> <p>Clause 19.0</p> <p>Fixed:_____ Value related:_____ Time related:_____</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Item |  |
| 20 | <p><b>A20.0 COMPLETION IN SECTIONS</b></p> <p>Clause 20.0</p> <p>Fixed:_____ Value related:_____ Time related:_____</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Item |  |
| 21 | <p><b>A21.0 DEFECTS LIABILITY PERIOD AND FINAL COMPLETION</b></p> <p>Clause 21.0</p> <p>Add the following to the end of sub-clause 21.1.2:</p> <p>“All civil, electrical, electronic, HVAC, fire detection, gas suppression and other specialist installations are subject to a three hundred and sixty five (365) calendar days defects liability and maintenance period.</p> <p>The contractor shall attend to defects during the works completion and defects liability periods on a progressive basis, to the satisfaction of the principal agent and will not be permitted to wait until the end of the defects liability period or until the amount of defects accumulate in order to attend to a comprehensive list of defects.”</p> <p>Fixed:_____ Value related:_____ Time related:_____</p> | Item |  |
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| 22 | <b>A22.0 LATENT DEFECTS LIABILITY PERIOD</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |  |
|    | Clause 22.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |  |
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| 23 | <b>A23.0 REVISION OF DATE FOR PRACTICAL COMPLETION</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |  |
|    | Clause 23.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |  |
|    | i) The addition of the following clauses:-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |  |
|    | Sub-clause 23.9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |  |
|    | "Revision to the date for practical completion shall only be considered when work on the critical path of the agreed programme for the works is delayed."                                                                                                                                                                                                                                                                                                                                                                                 |      |  |
|    | ii) Sub-clause 23.10 – Acceleration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |  |
|    | Sub-clause 23.10.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |  |
|    | "Irrespective of whether or not the principal agent rules that the contractor is entitled to an extension of time or a revision of the date for practical completion, the principal agent shall nevertheless, at any time, be entitled to instruct the contractor in writing to accelerate the progress of the remaining works to ensure that the works are completed by the original date for practical completion or revised date as the case may be."                                                                                  |      |  |
|    | Sub-clause 23.10.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |  |
|    | "Upon receipt of such instruction, the contractor shall take all necessary steps to ensure that the works are completed timeously including the provision by him of additional resources, plant, manpower, etc and the working overtime or additional overtime beyond that contemplated at the time of tender (at all times adhering to the regulations and requirements of all authorities) and by all other adequate and proper means and methods. The contractor shall prove that such steps are being taken if called upon to do so." |      |  |
|    | Sub-clause 23.10.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |  |
|    | "The contractor's entitlement to compensation arising out of or in respect of any revision to the date for practical completion that may have been granted by the principal agent or alternatively where the principal agent has instructed the contractor to accelerate, shall be adjudicated strictly in terms of clause 32."                                                                                                                                                                                                           |      |  |
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| 24 | <b>A24.0 PENALTY FOR LATE AND NON-COMPLETION</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |  |
|    | Clause 24.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |  |
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|    | <p style="text-align: right;"><b>Carried to Collection</b></p> <p>Bill No. 1<br/>PRELIMINARIES AND GENERAL</p>                                                                                                                                                                                                                                                                                                                                                                                                                            | R    |  |

**PAYMENT**

**25 A25.0 PAYMENT**

Clause 25.0

Notwithstanding this or any other clause, materials and goods stored off site shall not be included in the amount authorized for payment.

The first sentence of sub-clause 25.10 is deemed to be deleted and replaced with the following:

The employer shall pay the contractor the amount certified within thirty (30) calendar days of the date.

Fixed:\_\_\_\_\_ Value related:\_\_\_\_\_ Time related:\_\_\_\_\_

**26 A26.0 ADJUSTMENT TO THE CONTRACT VALUE**

Clause 26.0

Adjustment to the contract value (Clause 26.0)

Where prices are submitted by the contractor or nominated/selected subcontractors during the progress of the works in respect of contract instructions or in regard to a claim under the terms of the contract and notwithstanding the fact that such prices may be used in an interim payment certificate, there is to be no presumption of acceptance. Should the principal agent wish to accept any such prices prior to the issue of the final certificate, it will be in writing.

Fixed:\_\_\_\_\_ Value related:\_\_\_\_\_ Time related:\_\_\_\_\_

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**27 A27.0 RECOVERY OF EXPENSE AND LOSS**

Clause 27.0

Clause 27.2 is amended by adding the following sub-clauses:

27.2.11 The contractor's failure or neglect to commence with the works on the dates prescribed in the contract.

27.2.12 The contractor's failure or neglect to proceed with the works in terms of the contract.

27.2.13 The contractor's failure or neglect for any reason to complete the works in accordance with the contract.

27.2.14 The contractor's refusal or neglect to comply strictly with any of the conditions of contract or any contract instructions and/or orders in writing given in terms of the contract.

27.2.15 The contractor's estate being sequestrated or surrendered in terms of the Insolvency laws in force within the Republic of South Africa."

Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time related: \_\_\_\_\_

**SUSPENSION AND TERMINATION**

**28 A28.0 SUSPENSION BY BY CONTRACTOR**

Clause 28.0

Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time related: \_\_\_\_\_

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| 29 | <p><b>A29.0 TERMINATION</b></p> <p>Clause 29.0</p> <p>Add the following sub-clauses 29.1.4 to 29.1.6 under 29.1 to read as follows:</p> <p>29.1.4 The contractor's refusal or neglect to comply strictly with any of the conditions of contract.</p> <p>29.1.5 The contractor's estate being sequestrated, liquidated or surrendered in terms of the insolvency laws in force with the Republic of South Africa.</p> <p>29.1.6 The contractor, in the judgment of the employer, has engaged in corrupt or fraudulent practices in competing for or in executing the contract.</p> <p>Replace clause 29.3 with the following:<br/>he employer may give notice of cancellation should the contractor remain in default for ten (10) working days after the date of of issue of such a notice of default</p> <p>Clause 29.25.4<br/>Replace "Sixty (60)" with "one hundred and twenty (120)".</p> <p>Add the following sub-clauses 29.29 under 29 to read as follows:<br/>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 stated date 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><b><u>DISPUTE RESOLUTION</u></b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |  |
| 30 | <p><b>A30.0 DISPUTE RESOLUTION</b></p> <p>Clause 30.0</p> <p>Fixed:_____ Value related:_____ Time related:_____</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Item |  |
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|    | <p>Bill No. 1<br/>PRELIMINARIES AND GENERAL</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |  |



## **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"

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

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**B10.0 FINANCIAL ASPECTS**

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

Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time related: \_\_\_\_\_

Item

74 ***B10.2 Payment for preliminaries***

Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time related: \_\_\_\_\_

Item

75 ***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

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

Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time related: \_\_\_\_\_

Item

**B11.0 GENERAL**

77 ***B11.1 Protection of the works***

Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time related: \_\_\_\_\_

Item

78 ***B11.2 Protection / isolation of existing / sectionally occupied works***

Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time related: \_\_\_\_\_

Item

79 ***B11.3 Security of the works***

Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time related: \_\_\_\_\_

Item

80 ***B11.4 Notice before covering work***

Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time related: \_\_\_\_\_

Item

81 ***B11.5 Disturbance***

Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time related: \_\_\_\_\_

Item

82 ***B11.6 Environmental disturbance***

Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time related: \_\_\_\_\_

Item

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|                                         |                                                   |   |  |
|-----------------------------------------|---------------------------------------------------|---|--|
| 12.1.2                                  | <b>Availability of construction documentation</b> |   |  |
| [2.3]                                   | Construction documentation is complete<br>YES/NO  |   |  |
| 12.1.3                                  | <b>Interests of agents</b>                        |   |  |
| [2.4]                                   | Details:                                          |   |  |
| 12.1.4                                  | <b>Defined works area</b>                         |   |  |
| [3.1]                                   | Details:                                          |   |  |
| 12.1.5                                  | <b>Geotechnical investigation</b>                 |   |  |
| [3.2]                                   | Details:                                          |   |  |
| 12.1.6                                  | <b>Existing premises occupied</b>                 |   |  |
| [3.4]                                   | Specific requirements:                            |   |  |
| 12.1.7                                  | <b>Previous work - dimensional accuracy</b>       |   |  |
| [3.5]                                   | Details:                                          |   |  |
| 12.1.8                                  | <b>Previous work - defects</b>                    |   |  |
| [3.6]                                   | Details:                                          |   |  |
| 12.1.9                                  | <b>Services - known</b>                           |   |  |
| [3.7]                                   | Details:                                          |   |  |
| 12.1.10                                 | <b>Protection of trees</b>                        |   |  |
| [3.9]                                   | Specific requirements:                            |   |  |
| 12.1.11                                 | <b>Inspection of adjoining properties</b>         |   |  |
| [3.11]                                  | Specific requirements:                            |   |  |
| 12.1.12                                 | <b>Enclosure of the works</b>                     |   |  |
| [6.2]                                   | Specific requirements:                            |   |  |
| Carried to Collection                   |                                                   | R |  |
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12.1.13 **Offices**

[6.4.3] Specific requirements:

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

12.1.14 **Main notice board**

[6.5] Specific requirements:

The **contractor** shall provide, erect where directed, maintain and remove on completion of the **works** a notice board size 3 x 3m as per Drawing, 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

12.1.15 **Subcontractors' notice board**

[6.6] A notice board is required

YES/NO

Specific requirements:

12.1.16 **Water**

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

YES/NO

Option B (by **employer** - free of charge)

YES/NO

Option C (by **employer** - metered)

YES/NO

12.1.17 **Electricity**

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

YES/NO

Option B (by **employer** - free of charge)

YES/NO

Option C (by **employer** - metered)

YES/NO

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| <p>12.1.18 <b>Telecommunications</b><br/>[7.4] Telephone<br/>YES/NO</p> <p>Facsimile<br/>YES/NO</p> <p>E-mail<br/>YES/NO</p> <p>12.1.19 <b>Ablution facilities</b><br/>[7.5] Option A (by <b>contractor</b>)<br/>YES/NO</p> <p>Option B (by <b>employer</b>)<br/>YES/NO</p> <p>12.1.20 <b>Protection of existing/sectionally occupied works</b><br/>[11.2] Protection is required<br/>YES/NO</p> <p>12.1.21 <b>Special attendance</b><br/>[9.2] <b>Subcontractor</b> (1) details:</p> <p><b>Subcontractor</b> (2) details:</p> <p><b>Subcontractor</b> (3) details:</p> <p><b>Subcontractor</b> (4) details:</p> <p>12.1.22 <b>Protection of the works</b><br/>[11.1] Specific requirements:</p> <p>12.1.23 <b>Disturbance</b><br/>[11.5] Specific requirements:<br/>The <b>contractor</b> shall keep the site, structures, etc well watered during operations to prevent dust and shall provide and erect and remove on completion of the <b>works</b> all necessary temporary dust screens all to the satisfaction of the <b>principal agent</b></p> <p>12.1.24 <b>Environmental disturbance</b><br/>[11.6] Specific requirements:</p> <p>12.2 <b>POST-TENDER INFORMATION</b></p> <p>Carried to Collection</p> <p>Bill No. 1<br/>PRELIMINARIES AND GENERAL</p> | <p>R</p> |
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| <p>12.2.1 <b>Payment of preliminaries</b><br/>[10.2] Option A (prorated)<br/>YES/NO</p> <p>Option B (calculated)<br/>YES/NO</p> <p>12.2.2 <b>Adjustment of preliminaries</b><br/>[10.3] Option A (three categories)<br/>YES/NO</p> <p>Option B (detailed breakdown)<br/>YES/NO</p> <p>12.2.3 <b>Additional agreed preliminaries items</b><br/>Details:</p> |   |  |
| <p>Carried to Collection</p>                                                                                                                                                                                                                                                                                                                               | R |  |
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## 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

### 90 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

### 91 C2.0 GENERAL PREAMBLES

The document "Specification of Materials and Methods to be used (PW371)" 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

Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time related: \_\_\_\_\_

Item

### 92 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: \_\_\_\_\_

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| 93                                              | <p><b>C4.0 IMPORTED MATERIALS AND EQUIPMENT</b></p> <p>Where imported items are listed in the tender documents, the tenderer shall provide all the information called for, failing which the price of any such item, materials or equipment shall be excluded from currency fluctuations. (refer to Schedule of Imported Materials and Equipment DPW-23(EC) to be completed by tenderer)</p> <p>Notwithstanding any provisions elsewhere regarding the adjustment of contract prices, the price of any item, material or equipment listed in terms of this clause shall be excluded from the Contract Price Adjustment Provisions (if applicable)</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item |  |
| 94                                              | <p><b>C5.0 VIEWING THE SITE IN SECURITY AREAS</b></p> <p>The <b>site</b> 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 <b>site</b> for tendering purposes</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>                                                                                                                                                                                                                                                                                                                                                                                   | Item |  |
| 95                                              | <p><b>C6.0 COMMENCEMENT OF WORKS IN SECURITY AREAS</b></p> <p>As the <b>works</b> falls within a security area the <b>contractor</b> must give the unit commander or other responsible officer notice before commencement of the <b>works</b>. Should the <b>contractor</b> fail to make such arrangements, admission to the <b>site</b> may be refused and any additional costs will be for the <b>contractor's</b> account</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>                                                                                                                                                                                                                      | Item |  |
| 96                                              | <p><b>C7.0 ENTRANCE PERMITS TO SECURITY AREAS</b></p> <p>As the <b>works</b> falls within a security area the <b>contractor</b> shall obtain entrance permits for his personnel and workmen entering the area and shall comply with all regulations and instructions which may be issued from time to time regarding the protection of persons and property under the control of the Defence Force, Police or chief security officer</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>                                                                                                                                                                                                              | Item |  |
| <b>Carried to Collection</b>                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | R    |  |
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| 97                                      | <p><b>C8.0 SECURITY CHECK OF PERSONNEL</b></p> <p>The <b>principal agent</b> may require the <b>contractor</b> to have his personnel and workmen, or a certain number of them, security classified</p> <p>In the event of the <b>principal agent</b> requesting the removal of a person or persons from the <b>works</b> for security reasons, the <b>contractor</b> shall do so forthwith and shall thereafter ensure that such person or persons are denied access to the <b>works</b> and the <b>site</b> and/or to any document or information relating to the <b>works</b></p> <p>Fixed: _____ Value related: _____ Time related: _____</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Item |  |
| 98                                      | <p><b>C9.0 PROHIBITION ON TAKING OF PHOTOGRAPHS</b></p> <p>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</p> <p>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</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Item |  |
| 99                                      | <p><b>C10.0 HIV/AIDS AWARENESS</b></p> <p>It is required of the <b>contractor</b> 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 <b>bills of quantities / lump sum document</b>. 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</p> <p>The <b>contractor</b> must take note that compliance with the HIV/AIDS Specification is compulsory. In the event of partial or total non-compliance, the <b>principal agent</b>, 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 <b>payment certificate</b> until the <b>contractor</b> provides satisfactory proof of compliance. The <b>contractor</b> shall not be entitled to any compensation of whatsoever nature, including interest, due to such delay of payment</p> |      |  |
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| Bill No. 1<br>PRELIMINARIES AND GENERAL |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |  |

#### 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 ACCESS TO CONDOMS

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

Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time related: \_\_\_\_\_

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|     | <p><b>C10.5 MONITORING</b></p> <p>Monitoring HIV/AIDS awareness of workers, providing the <b>principal agent</b> with access to information including making available all reports, thoroughly completed and reflecting the correct information, for the duration of the <b>construction period</b> and close out, all in accordance with the HIV/AIDS Specification</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Item |  |
| 100 | <p><b>C11.0 OCCUPATIONAL HEALTH AND SAFETY ACT</b></p> <p>The <b>contractor</b> shall comply with all the requirements set out in the Construction Regulations, 2003 issued under the Occupational Health and Safety Act, 1993 (Act No 85 of 1993)</p> <p>It is required of the <b>contractor</b> 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 <b>bills of quantities / lump sum document</b></p> <p>The <b>contractor</b> 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 <b>principal agent</b>, 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 <b>payment certificate</b> until the <b>contractor</b> provides satisfactory proof of compliance. The <b>contractor</b> 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> | Item |  |
| 101 | <p><b><u>PPE</u></b></p> <p><b>C11.1 HI-VISIBILTY CONTI-SUIT</b></p> <p>Annual/ As required or needing replacing</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Item |  |
|     | <p style="text-align: right;"><b>Carried to Collection</b></p> <p>Bill No. 1<br/>PRELIMINARIES AND GENERAL</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | R    |  |

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| 102                                     | <b>C11.2 HI-VISIBILITY T-SHIRTS</b><br><br>Annual/ As required or needing replacing<br><br>Fixed: _____ Value related: _____ Time related: _____        | Item |  |
| 103                                     | <b>C11.3 STEEL TOE-CAPPED SAFETY BOOTS</b><br><br>Annual/ As required or needing replacing<br><br>Fixed: _____ Value related: _____ Time related: _____ | Item |  |
| 104                                     | <b>C11.4 HI-VISIBILITY SAFETY VEST</b><br><br>Annual/ As required or needing replacing<br><br>Fixed: _____ Value related: _____ Time related: _____     | Item |  |
| 105                                     | <b>C11.5 SABS APPROVED HARD HAT</b><br><br>Annual/ As required or needing replacing<br><br>Fixed: _____ Value related: _____ Time related: _____        | Item |  |
| 106                                     | <b>C11.6 HI-VISIBILITY RAIN SUITS</b><br><br>Annual/ As required or needing replacing<br><br>Fixed: _____ Value related: _____ Time related: _____      | Item |  |
| 107                                     | <b>C11.7 STEEL TOE CAPPED GUMBOOTS</b><br><br>Annual/ As required or needing replacing<br><br>Fixed: _____ Value related: _____ Time related: _____     | Item |  |
| Carried to Collection                   |                                                                                                                                                         | R    |  |
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| 108                                     | <b>C11.8 DUST MASKS (STIPULATE FFP)</b><br><br>Annual/ As required or needing replacing<br><br>Fixed: _____ Value related: _____ Time related: _____              | Item |  |
| 109                                     | <b>C11.9 SAFETY GLASSES</b><br><br>Annual/ As required or needing replacing<br><br>Fixed: _____ Value related: _____ Time related: _____                          | Item |  |
| 110                                     | <b>C11.10 GLOVES (STIPULATE TYPE):</b><br><br>Annual/ As required or needing replacing<br><br>Fixed: _____ Value related: _____ Time related: _____               | Item |  |
| 111                                     | <b>C11.11 SAFETY HARNESES</b><br><br>Annual/ As required or needing replacing<br><br>Fixed: _____ Value related: _____ Time related: _____                        | Item |  |
| 112                                     | <b>C11.12 ISSUE OF COVID-19 COMPLIANT FACE MASKS</b><br><br>Annual/ As required or needing replacing<br><br>Fixed: _____ Value related: _____ Time related: _____ | Item |  |
| 113                                     | <b>C11.13 ISSUE OF DISPOSABLE GLOVES</b><br><br>Annual/ As required or needing replacing<br><br>Fixed: _____ Value related: _____ Time related: _____             | Item |  |
| Carried to Collection                   |                                                                                                                                                                   | R    |  |
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| 114 | <b>C11.14 ISSUE OF FACE SHIELDS</b><br><br>Annual/ As required or needing replacing<br><br>Fixed: _____ Value related: _____ Time<br>related: _____    | Item |
| 115 | <b>C11.15 OTHER</b><br><br>Annual/ As required or needing replacing<br><br>Fixed: _____ Value related: _____ Time<br>related: _____                    | Item |
|     | <b><u>TRAINING</u></b>                                                                                                                                 |      |
| 116 | <b>C11.16 SAFETY REPRESENTATIVE TRAINING</b><br><br>Training of safety representatives<br><br>Fixed: _____ Value related: _____ Time<br>related: _____ | Item |
| 117 | <b>C11.17 FIRST AIDER TRAINING</b><br><br>Training of first aiders<br><br>Fixed: _____ Value related: _____ Time<br>related: _____                     | Item |
| 118 | <b>C11.18 FIRE FIGHTING TRAINING</b><br><br>Fixed: _____ Value related: _____ Time<br>related: _____                                                   | Item |
|     | <b>Carried to Collection</b>                                                                                                                           | R    |
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| 124 | <b>C11.24 SCAFFOLDING ERECTOR</b><br><br>Once off<br><br>Fixed: _____ Value related: _____ Time related: _____          | Item |  |
| 125 | <b>C11.25 INDUCTION TRAINING INCLUDING COVID AWARENESS</b><br><br>Fixed: _____ Value related: _____ Time related: _____ | Item |  |
| 126 | <b>C11.26 OTHER</b><br><br>Fixed: _____ Value related: _____ Time related: _____                                        | Item |  |
|     | <b><u>HEALTH AND SAFETY SALARIES</u></b>                                                                                |      |  |
| 127 | <b>C11.27 CHC MANAGER</b><br><br>Monthly Salary<br><br>Fixed: _____ Value related: _____ Time related: _____            | Item |  |
| 128 | <b>C11.28 CHC OFFICER</b><br><br>Monthly Salary<br><br>Fixed: _____ Value related: _____ Time related: _____            | Item |  |
|     | <b>Carried to Collection</b>                                                                                            | R    |  |
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| 129 | <b>C11.29 COVID CONTROL OFFICER</b><br><br>Monthly Salary<br><br>Fixed: _____ Value related: _____ Time related: _____                                       | Item |  |
| 130 | <b>C11.30 OTHER</b><br><br>Monthly Salary<br><br>Fixed: _____ Value related: _____ Time related: _____                                                       | Item |  |
|     | <b><u>SPECIFIC HEALTH AND SAFETY ITEMS</u></b>                                                                                                               |      |  |
| 131 | <b>C11.31 MEDICALS INCLUDING COVID SCREENING</b><br><br>Pre-placement, Annual and Exist<br><br>Fixed: _____ Value related: _____ Time related: _____         | Item |  |
| 132 | <b>C11.32 SPILL KIT</b><br><br>Once off<br><br>Fixed: _____ Value related: _____ Time related: _____                                                         | Item |  |
| 133 | <b>C11.33 ACCOMMODATION OF TRAFFIC</b><br><br>Accommodation of Traffic as per Client tender BOQ<br><br>Fixed: _____ Value related: _____ Time related: _____ | Item |  |
|     | <b>Carried to Collection</b>                                                                                                                                 | R    |  |
|     | Bill No. 1<br>PRELIMINARIES AND GENERAL                                                                                                                      |      |  |

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| 134                                     | <b>C11.34 INDUCTIONS</b><br><br>Annual<br><br>Fixed: _____ Value related: _____ Time<br>related: _____           | Item |  |
| 135                                     | <b>C11.35 FIRST AID KITS</b><br><br>Once off<br><br>Fixed: _____ Value related: _____ Time<br>related: _____     | Item |  |
| 136                                     | <b>C11.36 FIRE EXTINGUISHERS</b><br><br>Once off<br><br>Fixed: _____ Value related: _____ Time<br>related: _____ | Item |  |
| 137                                     | <b>C11.37 ABLUTIONS</b><br><br>Once off<br><br>Fixed: _____ Value related: _____ Time<br>related: _____          | Item |  |
| 138                                     | <b>C11.38 BARRIER NETTING</b><br><br>Once off<br><br>Fixed: _____ Value related: _____ Time<br>related: _____    | Item |  |
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| 139                                     | <b>C11.39 FALL PROTECTION PLAN</b><br><br>Fall Protection Plan drafted by a Fall Protection Planner US22994 and 229998 (once off and ongoing implementation)<br><br>Fixed: _____ Value related: _____ Time related: _____ | Item |  |
| 140                                     | <b>C11.40 NON-TOUCH THERMOMETER</b><br><br>Fixed: _____ Value related: _____ Time related: _____                                                                                                                          | Item |  |
| 141                                     | <b>C11.41 HAND SANITIZER</b><br><br>Fixed: _____ Value related: _____ Time related: _____                                                                                                                                 | Item |  |
| 142                                     | <b>C11.42 BIO HAZARD BINS AND DISPOSAL</b><br><br>Fixed: _____ Value related: _____ Time related: _____                                                                                                                   | Item |  |
| 143                                     | <b>C11.43 OTHER</b><br><br>Fixed: _____ Value related: _____ Time related: _____<br><br><b><u>SAFETY SIGNAGE</u></b>                                                                                                      | Item |  |
| 144                                     | <b>C11.44 CONSTRUCTION BOARDS</b><br><br>Once off<br><br>Fixed: _____ Value related: _____ Time related: _____                                                                                                            | Item |  |
| Carried to Collection                   |                                                                                                                                                                                                                           | R    |  |
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| 145                                     | <b>C11.45 FIRE EXTINGUISHER</b><br><br>Once off<br><br>Fixed: _____ Value related: _____ Time<br>related: _____                | Item |
| 146                                     | <b>C11.46 DIRECTIONAL SIGNAGE</b><br><br>Once off<br><br>Fixed: _____ Value related: _____ Time<br>related: _____              | Item |
| 147                                     | <b>C11.47 EMERGENCY ASSEMBLY POINT</b><br><br>Once off<br><br>Fixed: _____ Value related: _____ Time<br>related: _____         | Item |
| 148                                     | <b>C11.48 NO SMOKING SIGNAGE</b><br><br>Once off<br><br>Fixed: _____ Value related: _____ Time<br>related: _____               | Item |
| 149                                     | <b>C11.49 LADIES AND MEN'S TOILETS SIGNAGE</b><br><br>Once off<br><br>Fixed: _____ Value related: _____ Time<br>related: _____ | Item |
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| 150                                     | <b>C11.50 'NO NAKED FLAMES' SIGNAGE</b><br><br>Once off<br><br>Fixed: _____ Value related: _____ Time<br>related: _____ | Item |   |
| 151                                     | <b>C11.51 OTHER (OTHER SIGNAGE)</b><br><br>Once off<br><br>Fixed: _____ Value related: _____ Time<br>related: _____     | Item |   |
| <b><u>SAFETY DOCUMENTATION</u></b>      |                                                                                                                         |      |   |
| 152                                     | <b>C11.52 HEALTH AND SAFETY PLAN</b><br><br>Fixed: _____ Value related: _____ Time<br>related: _____                    | Item |   |
| 153                                     | <b>C11.53 HEALTH AND SAFETY FILE</b><br><br>Fixed: _____ Value related: _____ Time<br>related: _____                    | Item |   |
| 154                                     | <b>C11.54 COVID PLAN AND PROCEDURES</b><br><br>Once off<br><br>Fixed: _____ Value related: _____ Time<br>related: _____ | Item |   |
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155 **C11.55 FALL PROTECTION PLAN**

Once off

Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time  
related: \_\_\_\_\_

Item

156 **C11.56 OTHER**

Once off

Fixed: \_\_\_\_\_ Value related: \_\_\_\_\_ Time  
related: \_\_\_\_\_

Item

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| Item No |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Quantity | Rate | Amount |
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|         | <b><u>BILL NO 2</u></b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |      |        |
|         | <b><u>ALTERATIONS TO EXISTING BUILDING</u></b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |      |        |
|         | <p><b>Notes:</b> 1. Tenderers are advised to study the 'Construction specification PW371-A and B as ammended (downloadable from Department of Public Works website, <a href="http://www.publicworks.gov.za">www.publicworks.gov.za</a>) before pricing this bill 2. Unless otherwise stated all items in this Bill</p> <p><b><u>GENERAL NOTES</u></b></p> <p>For further preambles and full descriptions of items not fully described in this Bill, reference must be made to supplementary preambles and descriptions in the other Bills of this Section. Such supplementary preambles and descriptions shall apply equally</p> <p><b><u>GENERAL</u></b></p> <p>In taking down and removing existing work the utmost care shall be observed to prevent any structural or other damage to remaining portions of the building and the Contractor shall provide all shoring, needling, strutting, etc. to ensure stability</p> <p>Any water supply and other piping that may be encountered and which is found necessary to disconnect or cut shall, after such disconnection or cutting has been authorised by the Representative/Agent, be effectively stopped off</p> <p><b><u>EXISTING BUILDINGS</u></b></p> <p>The existing buildings will be in use and occupied during the progress of the contract and the Contractor will be required to carry out the works in such a manner as will least interfere with the occupants and with the minimum of disturbance</p> |          |      |        |
|         | <b>Carried to Collection</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          | R    |        |
|         | Bill No. 2<br>ALTERATIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |      |        |

**SIZE PERTAINING TO EXISTING WORK**

The Contractor is advised to take all dimensions affecting the existing buildings on the site and he will be held solely responsible for the correctness of sizes of all new work. All sizes given in relation to existing work are approximate.

**MAKING GOOD DAMAGED WORK**

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

**FORMING NEW OPENINGS OR ALTERING OPENINGS IN EXISTING WALLS**

Descriptions of forming new openings or altering openings in existing walls shall be deemed to include breaking out for and forming new brick, in-situ concrete or prestressed concrete lintels, including all reinforcement, formwork, turning pieces, etc.

**BUILDING UP OPENINGS**

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

**PAINTWORK**

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

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

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

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### **PROCEDURE OF WORK**

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

### **LOSS BY THEFT, FIRE OR OTHERWISE**

The risk of loss, theft, fire, storm, riot or otherwise of the buildings to be demolished and the materials therein shall rest entirely with the contractor immediately upon the handing over of the site.

### **WATER AND OTHER PIPING**

Any water supply or other piping that may be met with and found necessary to disconnect or cut are to be effectually stopped off or grubbed up and removed and any new connections that may be necessary and are to be made with proper fittings

### **ELECTRICAL AND OTHER SERVICES**

Special care is to be exercised not to unnecessarily interfere with any electric light, bell, power, telephone or other wires and fittings that may be met with and due notice must be given to the Architect.

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

### **OCCUPATION OF EXISTING BUILDINGS**

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

### **NOISE PREVENTION**

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

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|         | <b><u>BILL NO 3</u></b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |      |        |
|         | <b><u>CARPENTRY AND JOINERY</u></b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |      |        |
|         | <p><b>Notes:</b> 1. Tenderers are advised to study the 'Construction specification PW371-A and B as ammended (downloadable from Department of Public Works website, <a href="http://www.publicworks.gov.za">www.publicworks.gov.za</a>) before pricing this bill 2. Unless otherwise stated all items in this Bill</p>                                                                                                                                                                                 |          |      |        |
|         | <b><u>SUPPLEMENTARY PREAMBLES</u></b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |      |        |
|         | <p>Joinery Descriptions of frames shall be deemed to include frames, transomes, mullions, rails, etc</p> <p>Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes</p> <p>Fixing Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete</p> <p>Decorative laminate finish Laminate finish shall be glued under pressure. Edge strips shall be butt jointed at junctions with adjacent similar finish</p> |          |      |        |
|         | <b><u>DOORS, ETC</u></b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |      |        |
|         | <b><u>Internal single flush panel timber doors</u></b>                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |      |        |
|         | NOTE: All frames, ironmongery and finishes to doors are measured elsewhere                                                                                                                                                                                                                                                                                                                                                                                                                             |          |      |        |
| 1       | Single doors 40mm thick x 813mm wide x 2032mm high                                                                                                                                                                                                                                                                                                                                                                                                                                                     | No       | 1,00 |        |
| 2       | Double doors 40mm thick x 1640mm wide x 2100mm high                                                                                                                                                                                                                                                                                                                                                                                                                                                    | No       | 1,00 |        |
|         | <b><u>External single hardwood door</u></b>                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |      |        |
| 3       | 40mm thick x 813mm wide x 2032mm high external hardwood doors to match existing                                                                                                                                                                                                                                                                                                                                                                                                                        | No       | 1,00 |        |
|         | <b><u>Shelving, storage, etc</u></b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |      |        |
|         | <b>Carried to Collection</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          | R    |        |
|         | Bill No. 3<br>CARPENTRY AND JOINERY                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |      |        |

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CARPENTRY AND JOINERY

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|         | <b><u>BILL NO 4</u></b>                                                                                                                                                                                                                                             |          |      |        |
|         | <b><u>IRONMONGERY</u></b>                                                                                                                                                                                                                                           |          |      |        |
|         | <b>Notes: 1. Tenderers are advised to study the 'Construction specification PW371-A and B as ammended (downloadable from Department of Public Works website) before pricing this bill 2. Unless otherwise stated all items in this Bill shall be deemed to fall</b> |          |      |        |
|         | <b><u>SUPPLEMENTARY PREAMBLES</u></b>                                                                                                                                                                                                                               |          |      |        |
|         | <b><u>Finishes to ironmongery</u></b>                                                                                                                                                                                                                               |          |      |        |
|         | 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      |          |      |        |
|         | <b><u>HINGES, BOLTS, ETC</u></b>                                                                                                                                                                                                                                    |          |      |        |
| 1       | Steel hinges (to existing frames)                                                                                                                                                                                                                                   | No       | 8,00 |        |
|         | <b><u>LOCKS</u></b>                                                                                                                                                                                                                                                 |          |      |        |
|         | <b><u>'UNION' or other approved</u></b>                                                                                                                                                                                                                             |          |      |        |
| 2       | 75mm four lever upright mortice lockset with satin chrome furniture                                                                                                                                                                                                 | No       | 3,00 |        |
|         | <b><u>HANDLES</u></b>                                                                                                                                                                                                                                               |          |      |        |
|         | <b><u>'UNION' or other equal and approved</u></b>                                                                                                                                                                                                                   |          |      |        |
| 3       | Union' or similar approved door handles                                                                                                                                                                                                                             | Pairs    | 4,00 |        |
|         | <b><u>Window Furniture</u></b>                                                                                                                                                                                                                                      |          |      |        |
| 4       | Brass window stays                                                                                                                                                                                                                                                  | No       | 4,00 |        |
|         | <b><u>SUNDRIES</u></b>                                                                                                                                                                                                                                              |          |      |        |
|         | <b>Carried to Collection</b>                                                                                                                                                                                                                                        |          | R    |        |
|         | Bill No. 4<br>IRONMONGERY                                                                                                                                                                                                                                           |          |      |        |

|                              |                                         |    |       |   |
|------------------------------|-----------------------------------------|----|-------|---|
|                              | <b><u>White board</u></b>               |    |       |   |
| 5                            | White boards 2400mm x 900mm high        | No | 1,00  |   |
|                              | <b><u>Pinning board</u></b>             |    |       |   |
| 6                            | Pinning boards 2400mm x 900mm high      | No | 2,00  |   |
|                              | <b><u>Blinds</u></b>                    |    |       |   |
| 7                            | Blinds: 1800 x 1500                     | No | 28,00 |   |
| 8                            | Blinds: 950 x 1500                      | No | 25,00 |   |
|                              | <b><u>'UNION' or other approved</u></b> |    |       |   |
| 9                            | Door stop (code CZ8731)                 | No | 4,00  |   |
|                              |                                         |    |       |   |
|                              |                                         |    |       |   |
|                              |                                         |    |       |   |
|                              |                                         |    |       |   |
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|                              |                                         |    |       |   |
|                              |                                         |    |       |   |
| <b>Carried to Collection</b> |                                         |    |       | R |
| Bill No. 4<br>IRONMONGERY    |                                         |    |       |   |

Bill No. 4

IRONMONGERY

**COLLECTION**

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Bill No. 4  
IRONMONGERY



| Item No |                                                                                                                                                                                                                                                                                                                                        | Quantity | Rate | Amount |
|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------|--------|
|         | <b><u>BILL NO 5</u></b>                                                                                                                                                                                                                                                                                                                |          |      |        |
|         | <b><u>METALWORK</u></b>                                                                                                                                                                                                                                                                                                                |          |      |        |
|         | <b><u>Tenderers are to refer to the Model Preambles for Trades (Latest Edition) and Supplementary Preambles for further description and amplification of work in this section</u></b>                                                                                                                                                  |          |      |        |
|         | <b><u>SUPPLEMENTARY PREAMBLES</u></b>                                                                                                                                                                                                                                                                                                  |          |      |        |
|         | Descriptions of bolts shall be deemed to include nuts and washers Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete Metalwork described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described |          |      |        |
|         | <b><u>FENCES, GATES ETC</u></b>                                                                                                                                                                                                                                                                                                        |          |      |        |
|         | <b><u>SECURITY GATES</u></b>                                                                                                                                                                                                                                                                                                           |          |      |        |
|         | <b><u>'Trellidor' or similar approved pre-painted external door screen complete with locking mechanism to be supplied and installed to existing doorways</u></b>                                                                                                                                                                       |          |      |        |
| 1       | To door opening 1600mm wide x 2150mm high                                                                                                                                                                                                                                                                                              | No       | 1,00 |        |
|         | <b><u>Steel burglar bars</u></b>                                                                                                                                                                                                                                                                                                       |          |      |        |
| 2       | Mild Steel burglar bars over existing window openings :3400 x 1500mm high                                                                                                                                                                                                                                                              | No       | 2,00 |        |
| 3       | Mild Steel burglar bars over existing window openings :3400 x 950mm high                                                                                                                                                                                                                                                               | No       | 1,00 |        |
|         | <b><u>PRESSED STEEL DOOR FRAMES</u></b>                                                                                                                                                                                                                                                                                                |          |      |        |
|         | <b><u>1,2mm Double rebated frames suitable for one brick walls</u></b>                                                                                                                                                                                                                                                                 |          |      |        |
| 4       | Frame for door 810 x 2030mm high                                                                                                                                                                                                                                                                                                       | No       | 1,00 |        |
|         | <b>Carried to Summary</b>                                                                                                                                                                                                                                                                                                              |          | R    |        |
|         | Bill No. 5<br>METALWORK                                                                                                                                                                                                                                                                                                                |          |      |        |

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| Item No |                                                                                                            | Quantity | Rate   | Amount |
|---------|------------------------------------------------------------------------------------------------------------|----------|--------|--------|
|         | <b><u>BILL NO 8</u></b>                                                                                    |          |        |        |
|         | <b><u>ELECTRICAL WORKS</u></b>                                                                             |          |        |        |
|         | <b><u>ELECTRICAL RETICULATION</u></b>                                                                      |          |        |        |
|         | <b><u>DISTRIBUTION BOARDS(Modification)</u></b>                                                            |          |        |        |
|         | <u>Supply and install the following circuit breakers</u>                                                   |          |        |        |
| 1       | 25A, 3P circuit breaker                                                                                    | No       | 1,00   |        |
| 2       | 10A 1P circuit breaker                                                                                     | No       | 20,00  |        |
| 3       | 63A E/L circuit breaker                                                                                    | No       | 6,00   |        |
| 4       | 10A, 2P circuit breaker                                                                                    | No       | 3,00   |        |
| 5       | 32A, 2P circuit breaker                                                                                    | No       | 1,00   |        |
| 6       | 20A, 2P circuit breaker                                                                                    | No       | 2,00   |        |
|         | <b><u>FIXED EQUIPMENT ISOLATORS</u></b>                                                                    |          |        |        |
| 7       | 10A, 2P isolator                                                                                           | No       | 3,00   |        |
| 8       | 32A, 2P isolator                                                                                           | No       | 1,00   |        |
| 9       | 20A, 2P isolator                                                                                           | No       | 2,00   |        |
| 10      | 25A, 3P isolator in a weatherproof box                                                                     | No       | 1,00   |        |
|         | <b><u>POWER SKIRTING</u></b>                                                                               |          |        |        |
|         | <b><u>Supply and install the following power skirting in the position as indicated on the drawings</u></b> |          |        |        |
|         | <u>2-Compartment with cover plate</u>                                                                      |          |        |        |
| 11      | Supply                                                                                                     | m        | 125,00 |        |
| 12      | Install                                                                                                    | m        | 125,00 |        |
|         | <b>Carried to Collection</b>                                                                               |          |        | R      |
|         | Bill No. 8<br>ELECTRICAL                                                                                   |          |        |        |

|    |                                                                                                                                                                                                          |    |        |   |  |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|--------|---|--|
|    | <u>T piece</u>                                                                                                                                                                                           |    |        |   |  |
| 13 | Supply                                                                                                                                                                                                   | No | 4,00   |   |  |
| 14 | Install                                                                                                                                                                                                  | No | 4,00   |   |  |
|    | <u>90 bend: Inside</u>                                                                                                                                                                                   |    |        |   |  |
| 15 | Supply                                                                                                                                                                                                   | No | 2,00   |   |  |
| 16 | Install                                                                                                                                                                                                  | No | 2,00   |   |  |
|    | <u>End Cap</u>                                                                                                                                                                                           |    |        |   |  |
| 17 | Supply                                                                                                                                                                                                   | No | 13,00  |   |  |
| 18 | Install                                                                                                                                                                                                  | No | 13,00  |   |  |
|    | <b><u>WIRING CHANNELS</u></b>                                                                                                                                                                            |    |        |   |  |
|    | Metal trunking suspended in ceiling void complete with steel supports, Tees, bends, and covers for fire rating                                                                                           |    |        |   |  |
|    | <b><u>P9000(Electricalservices)</u></b>                                                                                                                                                                  |    |        |   |  |
| 19 | Supply                                                                                                                                                                                                   | m  | 100,00 |   |  |
| 20 | Install                                                                                                                                                                                                  | m  | 100,00 |   |  |
|    | <b><u>SOCKET OUTLET</u></b>                                                                                                                                                                              |    |        |   |  |
|    | Supply and install the following 3-pin socket outlets complete with cover plates in the position as indicated on the drawings, draw boxes measured elsewhere                                             |    |        |   |  |
|    | <b><u>16A 3-pin dedicated SSO on powerskirting</u></b>                                                                                                                                                   |    |        |   |  |
| 21 | Supply                                                                                                                                                                                                   | No | 116,00 |   |  |
| 22 | Install                                                                                                                                                                                                  | No | 116,00 |   |  |
|    | Conduits and accessories for both electrical as well as telephone and data installations including couplings, bushes, locknuts, cutting bending, fixing draw boxes in accordance with the specifications |    |        |   |  |
|    | <b><u>25mm dia galvanised</u></b>                                                                                                                                                                        |    |        |   |  |
| 23 | Supply                                                                                                                                                                                                   | m  | 120,00 |   |  |
|    | <b>Carried to Collection</b>                                                                                                                                                                             |    |        | R |  |
|    | Bill No. 8<br>ELECTRICAL                                                                                                                                                                                 |    |        |   |  |

|                                                                                                                            |         |   |        |   |  |
|----------------------------------------------------------------------------------------------------------------------------|---------|---|--------|---|--|
| 24                                                                                                                         | Install | m | 120,00 |   |  |
| <b><u>PVC INSULATED WIRE</u></b>                                                                                           |         |   |        |   |  |
| Supply and install the following 600/1000V grade PVC insulated wire into conduit, trunking and power skirting as specified |         |   |        |   |  |
| <b><u>4mm2(sockets)</u></b>                                                                                                |         |   |        |   |  |
| 25                                                                                                                         | Supply  | m | 800,00 |   |  |
| 26                                                                                                                         | Install | m | 800,00 |   |  |
| <b><u>6mm2(HVAC)</u></b>                                                                                                   |         |   |        |   |  |
| 27                                                                                                                         | Supply  | m | 180,00 |   |  |
| 28                                                                                                                         | Install | m | 180,00 |   |  |
| <b><u>6mm2, 4 core(HVAC)</u></b>                                                                                           |         |   |        |   |  |
| 29                                                                                                                         | Supply  | m | 80,00  |   |  |
| 30                                                                                                                         | Install | m | 80,00  |   |  |
| <b><u>EARTH WIRE IN CONDUIT</u></b>                                                                                        |         |   |        |   |  |
| Supply and install the following bare stranded earth wire in conduit, trunking and power skirting                          |         |   |        |   |  |
| <b><u>2.5mm<sup>2</sup>(sockets)</u></b>                                                                                   |         |   |        |   |  |
| 31                                                                                                                         | Supply  | m | 400,00 |   |  |
| 32                                                                                                                         | Install | m | 400,00 |   |  |
| <b><u>4mm<sup>2</sup>(HVAC)</u></b>                                                                                        |         |   |        |   |  |
| 33                                                                                                                         | Supply  | m | 260,00 |   |  |
| 34                                                                                                                         | Install | m | 260,00 |   |  |
| <b><u>AUDIO VISUAL(Boardroom)</u></b>                                                                                      |         |   |        |   |  |
| <b>Carried to Collection</b>                                                                                               |         |   |        | R |  |
| Bill No. 8<br>ELECTRICAL                                                                                                   |         |   |        |   |  |

|    |                                                                                                                                                     |    |       |   |  |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------|----|-------|---|--|
|    | <b><u>5000 ANSI Lumen 1080p Ceiling mounted Data Projector with Mounting Pole(Epson or equiv)</u></b>                                               |    |       |   |  |
| 35 | Supply                                                                                                                                              | No | 1,00  |   |  |
| 36 | Install                                                                                                                                             | No | 1,00  |   |  |
|    | <b><u>Motorised Projection Screen</u></b>                                                                                                           |    |       |   |  |
| 37 | Supply                                                                                                                                              | No | 1,00  |   |  |
| 38 | Install                                                                                                                                             | No | 1,00  |   |  |
|    | <b><u>Retractable Cable Culby</u></b>                                                                                                               |    |       |   |  |
| 39 | Supply                                                                                                                                              | No | 1,00  |   |  |
| 40 | Install                                                                                                                                             | No | 1,00  |   |  |
|    | <b><u>WIRED &amp; WIRELESS DATA NETWORK</u></b>                                                                                                     |    |       |   |  |
|    | <b><u>Data Outlet -RJ45</u></b>                                                                                                                     |    |       |   |  |
| 41 | Supply                                                                                                                                              | No | 36,00 |   |  |
| 42 | Install                                                                                                                                             | No | 36,00 |   |  |
|    | <b><u>Business 802.11ac Dual Band Wireless Access Point, 450/1300 Mbps (2.4/5 GHz), Integrated Power over Ethernet (IEEE 802.3, PoE indoor)</u></b> |    |       |   |  |
| 43 | Supply                                                                                                                                              | No | 3,00  |   |  |
| 44 | Install                                                                                                                                             | No | 3,00  |   |  |
|    | <b><u>Field Access Switch - L3+ - Managed - 48 x 10/100/1000 + 2 x combo SFP + 2 x10Gb Ethernet - rack-mountable - PoE+</u></b>                     |    |       |   |  |
| 45 | Supply                                                                                                                                              | No | 1,00  |   |  |
| 46 | Install                                                                                                                                             | No | 1,00  |   |  |
|    | <b>Carried to Collection</b>                                                                                                                        |    |       | R |  |
|    | Bill No. 8<br>ELECTRICAL                                                                                                                            |    |       |   |  |

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Bill No. 8

ELECTRICAL

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| Item No |                                                                                                                                                                                                                                                                                                           | Quantity | Rate | Amount |
|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------|--------|
|         | <b><u>BILL NO 9</u></b>                                                                                                                                                                                                                                                                                   |          |      |        |
|         | <b><u>MECHANICAL WORK</u></b>                                                                                                                                                                                                                                                                             |          |      |        |
|         | <b><u>SUPPLEMENTARY PREAMBLES</u></b>                                                                                                                                                                                                                                                                     |          |      |        |
|         | <u>Ductwork</u>                                                                                                                                                                                                                                                                                           |          |      |        |
|         | Descriptions of ducts shall be deemed to include stiffeners, jointing materials, sealants, couplers in the running length and access/inspection panels in accordance with the specification                                                                                                               |          |      |        |
|         | <u>Piping</u>                                                                                                                                                                                                                                                                                             |          |      |        |
|         | Pipe diameters are nominal internal unless otherwise stated                                                                                                                                                                                                                                               |          |      |        |
|         | <u>Fixing of pipes</u>                                                                                                                                                                                                                                                                                    |          |      |        |
|         | Unless 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                                                                                                                             |          |      |        |
|         | <u>Insulation</u>                                                                                                                                                                                                                                                                                         |          |      |        |
|         | Descriptions of insulation shall be deemed to include priming the pipes with zinc chromate primer before the insulation is applied, painting the insulation when completed and applying vapour barrier where specified                                                                                    |          |      |        |
|         | <b><u>HVAC INSTALLATION</u></b>                                                                                                                                                                                                                                                                           |          |      |        |
|         | <b><u>VRV OUTDOOR UNITS</u></b>                                                                                                                                                                                                                                                                           |          |      |        |
|         | Supply and install VRV Heat Pump outdoor unit complete with fittings and fixtures including mountings and TICO Pads, avm and additional topup 20 kg (R410a) refrigerant gas for commisioning as specified and shown on the drawing. All units shall be IP addressable ready for BMS connection by others. |          |      |        |
| 1       | Nominal Cooling Capcity : 40[kW] and Norminal Heating 42.1[kW] {VRV1}                                                                                                                                                                                                                                     | No       | 1,00 |        |
|         | <b>Carried to Collection</b>                                                                                                                                                                                                                                                                              |          |      | R      |
|         | Bill No. 9<br>MECHANICAL                                                                                                                                                                                                                                                                                  |          |      |        |

**VRV INDOOR UNITS**

|   |                                                                                                                           |    |      |
|---|---------------------------------------------------------------------------------------------------------------------------|----|------|
| 2 | Supply and install 2.2KW High Wall Indoor Units complete with fittings and fixtures as specified and shown on the drawing | No | 2,00 |
| 3 | Supply and install 3.5KW High Wall Indoor Unit complete with fittings and fixtures as specified and shown on the drawing  | No | 1,00 |
| 4 | Supply and install 10KW High Wall Indoor Unit complete with fittings and fixtures as specified and shown on the drawing   | No | 2,00 |
| 5 | Supply and install 20.0KW Ducted Indoor Units complete with fittings and fixtures as specified and shown on the drawing   | No | 1,00 |

**DUCTWORK FOR HIDEAWAY UNIT**

Supply and install galvanized sheet metal ducting, low pressure cw 25mm foil backed insulation, stop ends, transformations, fixtures and fittings suspended not exceeding 1m below concrete soffits, including supports to SMACNA. Mezz Flanged

|    |                                                          |    |       |
|----|----------------------------------------------------------|----|-------|
| 6  | 500x600 Externally insulated duct                        | m  | 10,00 |
| 7  | 350x600 Externally insulated duct                        | m  | 10,00 |
| 8  | 300diameter to 200diameter transformtion ( 500mm Length) | No | 2,00  |
| 9  | Slip joints 200mm diameter                               | No | 30,00 |
| 10 | 90 degree Bends, 300mm diameter to 300mm                 | No | 2,00  |
| 11 | Stop End 300mmx300mm                                     | No | 2,00  |
| 12 | Jubileeclamps 300mm                                      | No | 30,00 |

**Fire dampers installed in ducting**

|    |                         |    |      |
|----|-------------------------|----|------|
| 13 | 500 x 600mm Fire damper | No | 2,00 |
| 14 | 350 x 600mm Fire damper | No | 2,00 |

**Diffusers, grilles, etc**

**Carried to Collection**

**R**

Bill No. 9  
MECHANICAL

|    |                                                                                                                                                                                                                                                                     |    |       |   |  |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|-------|---|--|
|    | 600 x 600 mm Supply air ceiling diffuser, 200 litres/second complete with 200mm diameter spigot, and fitted into ceiling grid and connection to air supply                                                                                                          |    |       |   |  |
| 15 | Powder coated aluminium supply diffusers                                                                                                                                                                                                                            | No | 14,00 |   |  |
|    | <b><u>FRESH AIR SUPPLY FANS, ETC</u></b>                                                                                                                                                                                                                            |    |       |   |  |
|    | <b><u>Fans</u></b>                                                                                                                                                                                                                                                  |    |       |   |  |
| 16 | 600mm Diameter in-line duct fan 2200 litres/second fixed in hole through wall including filter box, two sound attenuators, fan and motor, connection to electrical supply, hangers, fixing to concrete or brickwork and connection to air additional supply ducting | No | 1,00  |   |  |
|    | <b><u>Return air plenums with interconnecting piping, joints valves, drain pumps, wiring, gas, R410 refrigerant, mounting brackets and electrical connections installed complete condensate-, and refrigerant pipework elsewhere)(ductwork</u></b>                  |    |       |   |  |
| 17 | Return air plenum box 600 x 600mm complete with filters, hinged door grilles, fresh air introduction point and connection to indoor units                                                                                                                           | No | 1,00  |   |  |
|    | <b><u>Control systems</u></b>                                                                                                                                                                                                                                       |    |       |   |  |
| 18 | Wired (fixed) remote controller                                                                                                                                                                                                                                     | No | 5,00  |   |  |
|    | <b><u>Supply and install R410a refrigerant piping c/w refnet joints and and all necessary fixtures and fittings as specified and shown on the drawings to make a complete functional system</u></b>                                                                 |    |       |   |  |
| 19 | Copper Piping as per selected Manufacturer' specifications including insulation and cable ties to make a complete installation                                                                                                                                      |    | Item  |   |  |
| 20 | Condensate Piping as per Selected Manufacturer's Specifications including tees and elbows to complete installation                                                                                                                                                  |    | Item  |   |  |
| 21 | Cable tray for Piping and Cabling to suite installation. Minimum thickness 1.2mm with 19mm return. Hot-dip galvanised to SABS 763. Support to maximum 1,5m spacing                                                                                                  |    | Item  |   |  |
| 22 | Galvanised steel trunking for outside pipes to suite installations                                                                                                                                                                                                  |    | Item  |   |  |
|    | <b>Carried to Collection</b>                                                                                                                                                                                                                                        |    |       | R |  |
|    | Bill No. 9<br>MECHANICAL                                                                                                                                                                                                                                            |    |       |   |  |

|                                     |                                                                                                                                                          |      |   |  |
|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|--|
| 23                                  | PVC Cable truckings for wired remotes                                                                                                                    | Item |   |  |
| <b><u>ELECTRICAL WORK</u></b>       |                                                                                                                                                          |      |   |  |
| 24                                  | Supply and install electrical work including power and control cabling and connections as specified for the VRV air conditioning units c/w Communication | Item |   |  |
| <b><u>TEST &amp; COMMISSION</u></b> |                                                                                                                                                          |      |   |  |
| 25                                  | Test and Commission the Entire VRV Air conditioning system                                                                                               | Item |   |  |
| 26                                  | Ditto but in the presence of and to the entire satisfaction of the Consulting Engineer.                                                                  | Item |   |  |
| 27                                  | Allow for drilling and make good of walls                                                                                                                | Item |   |  |
| 28                                  | Make good the ceiling after installation                                                                                                                 | Item |   |  |
| <b>Carried to Collection</b>        |                                                                                                                                                          |      | R |  |
| Bill No. 9<br>MECHANICAL            |                                                                                                                                                          |      |   |  |

Bill No. 9

MECHANICAL

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Bill No. 9  
MECHANICAL

| Item No |                                                                                                                                                                                                                                                              | Quantity | Rate   | Amount |
|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------|--------|
|         | <b><u>BILL NO 9</u></b>                                                                                                                                                                                                                                      |          |        |        |
|         | <b><u>PAINTWORK</u></b>                                                                                                                                                                                                                                      |          |        |        |
|         | Notes: 1. Tenderers are advised to study the 'Construction specification PW371-A and B as ammended (downloadable from Department of Public Works website) before pricing this bill 2. Unless otherwise stated all items in this Bill shall be deemed to fall |          |        |        |
|         | <b><u>SUPPLEMENTARY PREAMBLES</u></b>                                                                                                                                                                                                                        |          |        |        |
|         | <b><u>DESCRIPTIONS</u></b>                                                                                                                                                                                                                                   |          |        |        |
|         | Descriptions of paintwork shall be deemed to include for all cutting in                                                                                                                                                                                      |          |        |        |
|         | <b><u>PREPARATORY WORK TO EXISTING WORK</u></b>                                                                                                                                                                                                              |          |        |        |
|         | Previously painted plastered surfaces shall be thoroughly washed down with polycell sugar-soap solution, rinse with clean water to remove all traces of soap, sand glossy surface to a matt finish and allowed to dry completely for 24 hours before any     |          |        |        |
|         | Previously painted metal surfaces shall be cleaned of all rust, scale and dirt, removed by scraping or with steel brushes. All oil and grease shall be removed and perfectly clean surfaces obtained. If necessary, the surfaces shall be de-grease          |          |        |        |
|         | Previously painted wood 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                                           |          |        |        |
|         | <b><u>FACEBRICK DRESSING</u></b>                                                                                                                                                                                                                             |          |        |        |
|         | <b><u>Degrease, wash off, sand lightly and dust off surfaces to receive new finishes and apply two coats brick dressing on</u></b>                                                                                                                           |          |        |        |
| 1       | Internal faced brick walls                                                                                                                                                                                                                                   | m2       | 105,00 |        |
|         | <b>Carried to Collection</b>                                                                                                                                                                                                                                 |          | R      |        |
|         | Bill No. 10<br>PAINTWORK                                                                                                                                                                                                                                     |          |        |        |

**INTERNAL AND EXTERNAL PLASTERED SURFACES**

**Paint work to previously painted plastered wall surfaces**

Apply 2 coats approved and suitable emulsion paint

|   |                    |    |        |
|---|--------------------|----|--------|
| 2 | To plastered walls | m2 | 266,00 |
| 3 | Soffits of slabs   | m2 | 257,00 |

**WOOD SURFACES**

**Grain filling, two coats sanding sealer and staining then prepare and apply one coat oil wood primer, one coat universal undercoat and two coats enamel 'Velvaglow' or other equal and approved paint on**

|   |                         |    |       |
|---|-------------------------|----|-------|
| 4 | Doors and wood surfaces | m2 | 27,00 |
|---|-------------------------|----|-------|

**ON METAL SURFACES**

**One coat alkyd based zinc phosphate primer and two coats premium quality polyurethane enamel paint, on steel**

|   |                                                                         |    |       |
|---|-------------------------------------------------------------------------|----|-------|
| 5 | Door frames                                                             | m2 | 8,00  |
| 6 | To steel windows (both sides measured)                                  | m2 | 99,00 |
| 7 | To steel entrance gates, burglar bars and screens (both sides measured) | m2 | 15,00 |

**Carried to Collection**

**R**

Bill No. 10  
PAINTWORK





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