



public works
& infrastructure

Department:
Public Works and Infrastructure
REPUBLIC OF SOUTH AFRICA

TENDER No: KIM 09/2022

CLOSING DATE: 09 DECEMBER 2022

PROCUREMENT DOCUMENTS

VOLUME 2: RETURNABLE DOCUMENTS

DEPARTMENT OF EMPLOYMENT AND LABOUR

TOTAL REFURBISHMENT OF EXISTING LABOUR OFFICES

AT

UPINGTON

NORTHERN CAPE PROVINCE

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

**PROJECT MANAGER:
SANDISO COSA**

NOVEMBER 2022



public works
& infrastructure

Department:
Public Works and Infrastructure
REPUBLIC OF SOUTH AFRICA

PROCUREMENT DOCUMENTS

DEPARTMENT OF EMPLOYMENT AND LABOUR TOTAL REFURBISHMENT OF EXISTING LABOUR OFFICES AT UPINGTON NORTHERN CAPE PROVINCE

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NOVEMBER 2022

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T2.1 LIST OF RETURNABLE DOCUMENTS

PA-09 (EC): LIST OF RETURNABLE DOCUMENTS

Project title:	UPINGTON: EMPLOYMENT AND LABOUR: TOTAL REFURBISHMENT OF EXISTING LABOUR CENTRE		
Tender / Quotation no:	KIM 09/2022	Reference no:	19/2/4/2/2/2327/192
Receipt Number:			

1. RETURNABLE DOCUMENTS REQUIRED FOR TENDER EVALUATION PURPOSES

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

Tender document name	Number of pages issued	Returnable document
Form of Offer and Acceptance (DPW-07 EC)	4 Pages	Yes
Submission of Bidder's disclosure (PA-11)	3 Pages	Yes
Resolution of Board of Directors (PA-15.1) <i>(if applicable)</i>	1 Page	Yes
Resolution of Board of Directors to enter into Consortia or JV's (PA-15.2) <i>(if applicable)</i>	2 Pages	Yes
Special Resolution of Consortia or JV's (PA-15.3) <i>(if applicable)</i>	3 Pages	Yes
Preference points claim form in terms of the Preferential Procurement Regulations 2017 (PA – 16.1)	5 Pages	Yes
Declaration Certificate for Local Production and Content for designated sectors (PA – 36 and Annexure/s C)	8	Yes
Fully completed Declaration of Designated Groups for Preferential Procurement (PA 40)	2 Pages	Yes
Registration on National Treasury's Central Supplier Database (CSD).	-	Yes
Particulars of Tenderer's Projects (DPW-09 EC)	2 Pages	Yes
Site Inspection Meeting Certificate (DPW-16 EC) <i>(if applicable)</i> .	1 Page	Yes
Record of attending compulsory virtual bid clarification / site inspection meeting <i>(if applicable)</i> .	1 Page	Yes
Record of Addenda to tender documents (DPW-21 EC)	1 Page	Yes
Proof of 30% Subcontracting participation and related documents in terms of the Preferential Procurement Regulations 2017 <i>(if applicable)</i> .		

* In compliance with the requirements of the cidb SFU Annexure G

Tender / Quotation no: KIM 09/2022

2. ADDITIONAL RETURNABLE DOCUMENTS REQUIRED FOR TENDER EVALUATION PURPOSES

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

Tender document name	Number of pages issued	Returnable document
Any <u>additional</u> information required to complete a risk assessment (<i>if applicable</i>)	-	Yes
Any correction to be initialled by the person authorised to sign the tender documentation as per PA 15.1 or PA 15.2 resolution of board/s of directors / or PA15.3 Special Resolution of Consortia or JV's .		
Submission of applicable (PA-15.1, PA-15.2, PA-15.3): Resolution by the legal entity, or consortium / joint venture, authorising a dedicated person(s) to sign documents on behalf of the firm / consortium / joint venture.		Yes

3. RETURNABLE DOCUMENTS THAT WILL BE INCORPORATED INTO THE CONTRACT

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

Tender document name	Number of pages issued	Returnable document
Schedule of proposed sub-contractors (DPW-15 EC) (<i>if applicable</i>)	1 Page	Yes
Particulars of Electrical Contractor (DPW-22 EC) (<i>if applicable</i>)	1 Page	Yes
Mechanical / Electrical / Security Work material and equipment schedules (<i>if applicable</i>)	1 Pages	Yes
Schedule for Imported Materials and Equipment (DPW-23 EC) (<i>if applicable</i>)	1 Page	Yes

4. OTHER DOCUMENTS THAT WILL BE INCORPORATED INTO THE CONTRACT

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

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

Tender document name	Number of pages issued	Returnable document
Priced Bills of Quantities / Lump Sum Document (complete document inclusive of all parts)	198 Pages	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Fully priced and completed sectional summary- and final summary pages with the tender.	Pages	<input type="checkbox"/> Yes <input type="checkbox"/> No

Tender / Quotation no: KIM 09/2022

Tender document name	Number of pages issued	Returnable document
<i>insert document name</i>	Pages	<input type="checkbox"/> Yes <input type="checkbox"/> No
<i>insert document name</i>	Pages	<input type="checkbox"/> Yes <input type="checkbox"/> No
<i>insert document name</i>	Pages	<input type="checkbox"/> Yes <input type="checkbox"/> No

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

Legal Status of Tendering Entity: If the Tendering Entity is:	Documentation to be submitted with the tender, or which may be required during the tender evaluation:
a. A close corporation, incorporated prior to 1 May 2011 under the Close Corporations Act, 1984 (Act 69 of 1984, as amended)	Copies of the Founding Statement – CK1
b. A profit company duly registered as a private company. [including a profit company that meets the criteria for a private company, whose Memorandum of Incorporation states that the company is a personal liability company in terms of Section 8(2)(c) of the Companies Act, 2008 (Act 71 of 2008, as amended)].	Copies of: i. Certificate of Incorporation – CM1; ii. Shareholding Certificates of all Shareholders of the company, plus a signed statement of the company's Auditor, certifying each Shareholder's ownership / shareholding percentage relative to the total; and/or iii. Memorandum of Incorporation in the case of a personal liability company.
c. A profit company duly registered as a private company in which any, or all, shares are held by one or more other close corporation(s) or company(ies) duly registered as profit or non-profit company(ies).	Copies of documents referred to in a. and/or b. above in respect of all such close corporation(s) and/or company(ies).
d. A profit company duly registered as a public company.	Copy of Certificate of Incorporation – CM1, and a signed statement of the company's Secretary or Auditor confirming that the company is a public company.
e. A non-profit company, incorporated in terms of Section 10 and Schedule 1 of the Companies Act, 2008 (Act 71 of 2008, as amended).	Copies of: i the Founding Statement – CK1; and ii the Memorandum of Incorporation setting out the object of the company, indicating the public benefit, cultural or social activity, or communal or group interest.
f. A natural person, sole proprietor or a Partnership	Copy(ies) of the Identity Document(s) of: i. such natural person/ sole proprietor, or each of the Partners to the Partnership.
g. A Trust	Deed of Trust duly indicating names of the Trustee(s) and Beneficiary (ies) as well as the purpose of the Trust and the mandate of the Trustees.

Signed by the Tenderer

Name of representative	Signature	Date

C1.1 FORM OF OFFER AND ACCEPTANCE

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

Project title:	UPINGTON: EMPLOYMENT AND LABOUR: TOTAL REFURBISHMENT OF EXISTING LABOUR CENTRE		
Tender / Quotation no:	KIM 09/2022	Reference no:	19/2/4/2/2327/192

OFFER

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

UPINGTON: EMPLOYMENT AND LABOUR: TOTAL REFURBISHMENT OF EXISTING LABOUR CENTRE

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

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

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

Rand (in words):
Rand in figures:	R

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

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

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

Company or Close Corporation: And: Whose Registration Number is: And: Whose Income Tax Reference Number is: CSD supplier number:.....	OR	Natural Person or Partnership: Whose Identity Number(s) is/are: Whose Income Tax Reference Number is/are: CSD supplier number:.....
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*Any reference to words "Bid" or "Bidder" herein and/or in any other documentation shall be construed to have the same meaning as the words "Tender" or "Tenderer".

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

Tender / Quotation no: KIM 09/2022

AND WHO IS (if applicable):	
Trading under the name and style of:	
AND WHO IS:	
Represented herein, and who is duly authorised to do so, by: Mr/Mrs/Ms: In his/her capacity as:	Note: A Resolution / Power of Attorney, signed by all the Directors / Members / Partners of the Legal Entity must accompany this Offer, authorising the Representative to make this offer.

SIGNED FOR THE TENDERER:

Name of representative	Signature	Date

WITNESSED BY:

Name of witness	Signature	Date

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

- The official documents ☐
- The official alternative ☐
- Own alternative (only if documentation makes provision therefore) ☐

(N.B.: Separate Offer and Acceptance forms are to be completed for the main and for each alternative offer)

SECURITY OFFERED:

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

NB. Guarantees submitted must be issued by either an insurance company duly registered in terms of the Insurance Act [Long-Term Insurance Act, 1998 (Act 52 of 1998) or Short-Term Insurance Act, 1998 (Act 35 of 1998)] or by a bank duly registered in terms of the Banks Act, 1990 (Act 94 of 1990) on the pro-forma referred to above. No alterations or amendments of the wording of the pro-forma will be accepted.

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

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

Tender / Quotation no: KIM 09/2022

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

.....

Other Contact Details of the Tenderer are:

Telephone No..... Cellular Phone No.

Fax No

Postal address

Banker Branch.....

Registration No of Tenderer at Department of Labour

CIDB Registration Number:

ACCEPTANCE

By signing this part of this form of offer and acceptance, the Employer identified below accepts the Tenderer's offer. In consideration thereof, the Employer shall pay the Contractor the amount due in accordance with the conditions of contract identified in the contract data. Acceptance of the Tenderer's offer shall form an agreement between the Employer and the Tenderer upon the terms and conditions contained in this agreement and in the contract that is the subject of this agreement.

The terms of the contract are contained in:

Part C1 Agreement and contract data, (which includes this agreement)

Part C2 Pricing data

Part C3 Scope of work

Part C4 Site information and drawings and documents or parts thereof, which may be incorporated by reference into the above listed Parts.

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

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

Notwithstanding anything contained herein, this agreement comes into effect on the date when the tenderer receives one fully completed original copy of this document, including the schedule of deviations (if any). Unless the tenderer (now contractor) within five (5) working days of the date of such receipt notifies the employer in writing of any reason why he/she cannot accept the contents of this agreement, this agreement shall constitute a binding contract between the parties.

For the Employer:

Name of signatory	Signature	Date

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

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

Tender / Quotation no: KIM 09/2022

Name of Organisation:	Department of Public Works and Infrastructure
Address of Organisation:	

WITNESSED BY:

Name of witness	Signature	Date

Schedule of Deviations

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

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

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

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

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

C2.2 BILLS OF QUANTITIES



public works
& infrastructure

Department:
Public Works and Infrastructure
REPUBLIC OF SOUTH AFRICA

TENDER No: KIM 09/2022

CLOSING DATE: 09 DECEMBER 2022

PROCUREMENT DOCUMENTS

BILLS OF QUANTITIES

DEPARTMENT OF EMPLOYMENT AND LABOUR

TOTAL REFURBISHMENT EXISTING LABOUR OFFICES REPAIRS AND RENOVATIONS

AT

UPINGTON

NORTHERN CAPE PROVINCE

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

**PROJECT MANAGER:
SANDISO COSA**

NOVEMBER 2022

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

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

BUILDING AGREEMENT AND PRELIMINARIES

The **JBCC** Principal Building Agreement (Edition 6.2 - May 2018) prepared by the Joint Building Contracts Committee shall be the applicable building agreement, amended as hereinafter described to be read in conjunction with the **Contract Data** issued with the tender.

The **JBCC** General Preliminaries (May 2018) published by the Joint Building Contracts Committee for use with the **JBCC** Principal Building Agreement (Edition 6.2 - May 2018) shall be deemed to be incorporated in these **bills of quantities** / lump sum document, amended as hereinafter described

The **contractor** is deemed to have referred to the abovementioned documents for the full intent and meaning of each clause

The clauses in the abovementioned documents are hereinafter referred to by clause number and heading only

Where any item is not relevant to this **agreement** such item is marked N/A signifying "not applicable"

Where standard clauses or alternatives are not entirely applicable to this **agreement** such amendments, modifications, corrections or supplements as will apply are given under each relevant clause heading and such amendments, modifications, corrections or supplements shall take precedence notwithstanding anything to the contrary contained in the abovementioned documents

TENDERER'S SELECTIONS

Before submission of his tender the **contractor** is to complete the tenderer's selections in the **contract data for organs of state and other public sector bodies**

STRUCTURE OF THIS PRELIMINARIES BILL

Section A : A recital of the headings of the individual clauses in the aforementioned **JBCC** Principal Building Agreement

Section B : A recital of the headings of the individual clauses in the aforementioned **JBCC** General Preliminaries

Section C : Any special clauses to meet the particular circumstances of the project

PRICING OF PRELIMINARIES

Should the **contractor** select Option A in the **contract data for organs of state and other public sector bodies** for the adjustment of **preliminaries**, the amounts entered against the relevant items in these **preliminaries** are to be divided into one or more of the three categories provided namely fixed (F), value related (V) and time related (T)

PRICING OF BILLS OF QUANTITIES

The **contractor** is to allow opposite each item for all costs in connection therewith. All prices to include, unless otherwise stated, for all materials, fabrication, conveyance and delivery, unloading, storing, unpacking, hoisting, labour, setting, fitting and fixing in position, cutting and waste (except where to be measured in accordance with the standard system of measurement), patterns, models and templates, plant, temporary works, returning of packaging, duties, taxes (other than Value Added Tax), imposts, establishment charges, overheads, profit and all other obligations arising out of this **agreement**.

Items left unpriced will be deemed to be covered in prices against other items throughout these **bills of quantities** and no claim for any extras arising out of the **contractor's** omission to price any item will be entertained

Prices for all **construction equipment**, temporary works, services and other items shall include for the supply, maintenance, operating cost and subsequent removal and making good as necessary

VALUE ADDED TAX

Provision is made in the summary page of these **bills of quantities** / lump sum document for the inclusion of Value Added Tax (VAT)

SECTION A: PRINCIPAL BUILDING AGREEMENT

INTERPRETATION

A1.0

DEFINITIONS AND INTERPRETATION

Clause 1.0

The following definitions replace corresponding definitions or are added to the definitions in the JBCC PRINCIPAL BUILDING AGREEMENT (Edition 6.2 of May 2018), whatever the case may be

ADVERSE WEATHER CONDITIONS: Adverse weather and inclement weather has the same meaning and used interchangeably and means any weather conditions i.e.: Rain, wind, snow, frost, temperature (cold or heat) that are not in the norm for the area where the construction takes place and during which no work is possible on site

AGREEMENT: The completed Form of Offer and Acceptance, the completed JBCC® Principal Building Agreement and contract data for organs of state and other public sector bodies, the contract drawings, the priced document and any other documents reduced to writing and signed by the authorised representative or representatives of the parties

CONSTRUCTION PERIOD: The period commencing on the date of possession of the **site** by the **contractor** and ending on the date of **practical completion**

CONTRACT PERIOD: The period commencing on the date of the letter of acceptance and ending on the date of final completion

COST FLUCTUATION shall mean contract price adjustment provision (CPAP) for the adjustment of fluctuation in the cost of labour, plant, material and goods as stated in the schedule

DEFAULT INTEREST: No Clause

SECTION 1: PRELIMINARIES (SECTION A)

Each Item Carried to Collection

GUARANTEE FOR CONSTRUCTION: A security in terms of the DPWI's Guarantee for Construction form/s, obtained by the contractor from an institution approved by the employer [CD]

INTEREST: 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) as amended, calculated as simple interest, in respect of debts owing to the State, and will be the rate as published by the Minister of Justice and Correctional Services from time to time, in terms of section 1(2) of the Prescribed Rate of Interest Act, 1975 (Act No 55 of 1975) as amended, calculated as simple interest, in respect of debts owing by the State

LETTER OF ACCEPTANCE: The letter of formal acceptance of the Contractor's or Service Provider's Tender / Bid, issued and signed by the Employer

PAYMENT CERTIFICATE: A certificate issued at regular agreed intervals [CD] by the principal agent to the parties certifying the amount due and payable in terms of Clause 25.3

PRINCIPAL AGENT: The person or entity appointed by the **employer** and named in the **contract data for organs of state and other public sector bodies**. 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 the employer's representative as named in the **contract data for organs of state and other public sector bodies**

TARGETED SUBCONTRACTORS: Subcontractors that must be appointed to a total of 30% or more of the contract sum, by the contractor, projects with a contract sum of the amount determined by the Minister in terms of the latest Preferential Procurement regulations, as may be amended from time to time.

F:..... V:..... T:.....

Item

A2.0

LAW, REGULATIONS AND NOTICES

Clause 2.0

F:..... V:..... T:.....

Item

A3.0

OFFER AND ACCEPTANCE

Replace Clause 3.3 with the following:

This **agreement** shall come into force on the date of **letter of acceptance** and continue to be of force and effect until the end of the **latent defects** liability period [22.0] notwithstanding termination [29.0] or the certification of **final completion** [21.0] and final payment [25.0]

F:..... V:..... T:.....

Item

A4.0

CESSION AND ASSIGNMENT

Clause 4.0

Ref Clause 6.7 [CD] - Clause 4.2

Replace Clause 4.3 with the following:

Where a **contractor** cedes any right or any monies due to or to become due under this **agreement** as security in favour of a financial institution, the prior written consent of the **employer**, which consent shall not be unreasonably withheld, must be obtained

F:..... V:..... T:.....

Item

SECTION 1: PRELIMINARIES (SECTION A)

Each Item Carried to Collection

Item		R	c
A5.0	<p>DOCUMENTS</p> <p>Clause 5.0</p> <p>Replace last sentence of Clause 5.2 with the following: The original signed agreement shall be held by the Employer</p> <p>Replace Clause 5.4 with the following: The Bills of Quantities shall not be used as a specification of material and goods or methods unless so instructed by the Principal Agent. The contractor may not use the Bills of Quantities for purpose of ordering material. All dimensions and quantities must be determined on site before ordering. In the event of discrepancy between the drawings and Bills of Quantity, the drawings shall take preference</p> <p>Replace Clause 5.5 with the following: The parties may publish or disclose on any platform only the contract scope and contract amount</p> <p>F:..... V:..... T:..... Item</p>		
A6.0	<p>EMPLOYER'S AGENTS</p> <p>Clause 6.0</p> <p>Replace Clause 6.5 with the following: Where the principal agent and/or an agent fails to act or is unable to act or ceases to be the principal agent or an agent in terms of this agreement, the employer shall appoint another principal agent and/or an agent</p> <p>Add the following as Clause 6.7: In terms of the clauses listed hereunder, the employer has retained its authority and has not given a mandate to the principal agent, notwithstanding other provisions in the contract. The employer shall sign all documents in relation to clauses 4.2, 14.1.4, 14.4.1, 14.6, 15.1.4, , 15.4.1, 23.1, 23.2, 23.3, 23.7, 23.8, 26.1, 26.7, 26.12</p> <p>F:..... V:..... T:..... Item</p>		
A7.0	<p>DESIGN RESPONSIBILITY</p> <p>Clause 7.0</p> <p>Replace first sentence of Clause 7.2 with the following: Any design responsibility undertaken by a subcontractor shall not devolve on the contractor except for items that require specific component design and or compatibility design and or shop drawings and or the assembly thereof</p> <p>F:..... V:..... T:..... Item</p>		
	INSURANCES AND SECURITIES		
A8.0	<p>WORKS RISK</p> <p>Clause 8.0</p> <p>Replace Clause 8.4 with the following: The contractor shall bear the full risk of damage to and/or destruction of the works by whatever cause during construction of the works and hereby indemnifies and holds harmless the employer against any such damage. The contractor shall take such precautions and security measures and other steps for the protection and security of the works as the contractor may deem necessary</p> <p>F:..... V:..... T:..... Item</p>		

SECTION 1: PRELIMINARIES (SECTION A)

Each Item Carried to Collection

Item		R	c
A9.0	<p>INDEMNITIES</p> <p>Clause 9.0</p> <p>Add the following to the end of the first sentence of Clause 9.2.7: “.... due to no fault of the contractor</p> <p>9.2.9 No Clause</p> <p>9.2.10 No Clause</p> <p>Add the following as clause 9.3: The employer's rights to claim damages for the contractor's omissions and actions will not be affected.</p> <p>F:..... V:..... T:..... Item</p>		
A10.0	<p>INSURANCES</p> <p>Clause 10.0</p> <p>Replace Clause 10.1 with the following: The party responsible shall effect and keep the respective insurances [CD] in force, in favour of the employer as beneficiary , from the date of possession of the site until the issue of the certificate of practical completion and with an extension to cover the contractors obligations after the date of practical completion [8.2.2]</p> <p>Add the following as Clause 10.1.5.1: Hi 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 sub-surface conditions that might result in catastrophic ground movement evident by sinkhole or doline formation the following will apply</p> <p>Add the following as Clause 10.1.5.1.1 Damage to the works The contractor shall, from the date of possession of the site 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</p> <p>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</p> <p>10.1.5.1.2 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</p> <p>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 property, 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</p> <p>10.1.5.1.3 Replace Clause with the following: It is the responsibility of the contractor to ensure that he has adequate insurance to cover his</p>		

SECTION 1: PRELIMINARIES (SECTION A)

Each Item Carried to Collection

risk and liability as mentioned in 10.1.5.1.1 and 10.1.5.1.2. Without limiting the **contractor's** obligations in terms of the contract, the **contractor** shall, within twenty-one (21) **calendar days of the date of letter of acceptance**, but before commencement of the **works**, submit to the **employer** proof of such insurance policy.

10.1.5.1.4 Replace Clause with the following:

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 10.1.5.1.1; 10.1.5.1.2 and 10.1.5.1.3. 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

10.2 Replace Clause with the following:

Where practical completion in sections is required [20.0), or where the works is for alterations and additions, the contractor shall effect and keep in force contract works insurance [10.1.1], supplementary insurance [10.1.2], public liability insurance [10.1.3] and where applicable, removal of lateral support insurance [10.1.4] and other insurances [10.1.5) in favour of the employer as beneficiary

10.6 No Clause

Add the following as Clause 10.11

In the event that an insurer dispute the amount of the claim to be paid to the employer, the contractor shall be liable to the employer for the difference between the claim (as determined by the employers QS appointed on the project) made by the employer and the amount that the insurer is willing to pay

F:..... V:..... T:.....

Item

A11.0

SECURITIES

Add the following as to the relevant related Clauses as follows:

Add the following to Clause 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).

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 C 1.0 Securities, as stated in the schedule. Such security shall be provided to the employer within fifteen (15) working 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 fifteen (15) working days from commencement date, the security in terms of C 1.0 Option C shall be deemed to have been selected.

The payment reduction of the value certified in a payment certificate shall be mutatis mutandis in terms of 25.12.1 - 25.12.5

11.1.1 No Clause

11.1.2 No Clause

11.2.2 No Clause

11.3 No Clause

Replace Clause 11.4.1 with the following:

Hand over the site to the contractor and withhold an amount equal to ten per cent (10%) of

SECTION 1: PRELIMINARIES (SECTION A)

Each Item Carried to Collection

each interim payment certificate until practical completion is achieved. The value certified shall be subject to the adjustments in terms of 25.12.6 to 25.12.10.

11.5 No Clause

11.6 No Clause

11.7 No Clause

11.8 No Clause

11.9 No Clause

11.10 No Clause

Add the following as Clause 11.11:

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

Add the following as Clause 11.11.1:

The contractor shall furnish the employer with a cash deposit equal in value to ten percent (10%) of the contract sum (excluding VAT) within fifteen (15) working days from commencement date. Failure to furnish the employer with a cash deposit within fifteen (15) working days Clause 11.4 will apply mutatis mutandis.

Add the following as Clause 11.11.2:

The employer shall be entitled to recover expense and loss from the cash deposit in terms of Clause 27.0 provided that the employer notifies the Contractor 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.

Add the following as Clause 11.11.3:

Within fifteen (15) working 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

Add the following as Clause 11.11.4:

Within fifteen (15) working 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.

Add the following as Clause 11.11.5:

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.

Add the following as Clause 11.11.6:

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.

Add the following as Clause 11.12:

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

Add the following as Clause 11.12.1:

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 fifteen (15) working days after issuance of the letter of acceptance. Failure to submit an acceptable variable construction guarantee within fifteen (15) working days Clause 11.4 will apply mutatis mutandis.

Add the following as Clause 11.12.2:

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

Add the following as Clause 11.12.3:

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

Add the following as Clause 11.12.4:

Where the employer has a right of recovery against the contractor in terms of 27.0, the employer shall issue a written demand in terms of the variable construction guarantee.

Add the following as Clause 11.13:

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:

Add the following as Clause 11.13.1:

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).

Add the following as Clause 11.13.2:

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.

Add the following as Clause 11.13.3:

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

Add the following as Clause 11.13.4:

The payment reduction of the value certified in a payment certificate shall be mutatis mutandis in terms of 25.12.1 - 25.12.5.

Add the following as Clause 11.13.5:

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 from both.

Add the following as Clause 11.14.1:

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:

Add the following as Clause 11.14.2:

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 fifteen (15) working days from commencement date. Failure to submit a cash deposit within fifteen (15) working days Clause 11.4 will apply mutatis mutandis.

Add the following as Clause 11.14.3:

Within fifteen (15) working days of the date of practical completion of the works the employer shall refund the cash deposit in total to the contractor.

Add the following as Clause 11.14.4:

The payment reduction of the value certified in a payment certificate shall be mutatis mutandis in terms of 25.12.1 - 25.12.5.

Add the following as Clause 11.14.5:

Where the employer has a right of recovery against the contractor in terms of 27, the employer may recover from the payment reduction or cash deposit or from both.

SECTION 1: PRELIMINARIES (SECTION A)**Each Item Carried to Collection**

Add the following as Clause 11.15:

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

Add the following as Clause 11.15.1:

The payment reduction of the value certified in a payment certificate shall be mutatis mutandis in terms of 25.12.6 to 25.12.10.

Add the following as Clause 11.15.2:

The employer shall be entitled to recover expense and loss from the cash deposit in terms of 27.0 provided that the employer notifies the Contractor 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.

Add the following as Clause 11.16:

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.

Add the following as Clause 11.17:

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).

F:..... V:..... T:.....

Item

EXECUTION

A12.0

OBLIGATIONS OF THE PARTIES

Clause 12.0

12.1.1 No Clause

Replace Clause 12.1.5 with the following:

Give possession of the site to the contractor within ten (10) working days after approval of the Health and Safety Plan or the issue of a construction permit by the Department of Labour, if applicable, after the contractor complied with the terms of 12.2.22

12.1.6 No Clause

12.1.8 No Clause

Replace Clause 12.2.2 with the following:

The priced Bills must be submitted to the Employer within fourteen (14) calendar days from date of request. Where the priced document contains errors or discrepancies and/or prices considered by the employer or principal agent to be imbalanced or unreasonable the employer or principal agent and the contractor shall adjust such prices without any change to the contract sum

Replace Clause 12.2.5 with the following :

Effect and keep in force insurances in favour of the employer as beneficiary where the contractor is responsible for providing insurances [10.0] [CD]

Replace Clause 12.2.13 with the following:

Designate a competent person full time on site to continuously administer and control the works on site and to receive and implement notices and contract instructions on behalf of the contractor

Add the following as Clause 12.2.22:

Within fourteen (14) working days of the date of the letter of acceptance submit to the principal agent an acceptable health and safety plan, required in terms of the Occupational Health and Safety Act, 1993 (Act No 85 of 1993)

Add the following as Clause 12.2.23:

The contractor shall within reasonable time inform the agents regarding inspection of the works before covering / closing [B 12.0]

Offices

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 [12.2.18]

F:..... V:..... T:.....

Item

Main notice board

The **contractor** shall provide, erect where directed, maintain and remove on completion of the **works** a notice board size 3 x 3m as type Drawing GEN 063, constructed of suitable boarding with flat smooth surface and with edging bead 19mm thick round outer edges and projecting 12mm from face of boarding and rounded on front edge. The board shall be securely fixed to hoarding, where hoarding is provided, or fixed to and including a suitable supporting structure of timber or tubular posts and braces. The board is to be painted ivory white and the bead and 12mm wide dividing lines dark green. All wording shall be inscribed in dark green as per the coat of arms for SA. All wording shall be inscribed in dark green painted sans serif lettering [12.2.18]

F:..... V:..... T:.....

Item

A13.0 SETTING OUT

Clause 13.0

F:..... V:..... T:.....

Item

A14.0 NOMINATED SUBCONTRACTORS

Clause 14.0

Ref Clause 6.7 [CD] - Clause 14.1.4

14.1.5 No Clause

Replace "principal agent " with "employer" [6.7 [CD]] in Clause 14.4.1

Ref Clause 6.7 [CD] - Clause 14.6

F:..... V:..... T:.....

Item

A15.0 SELECTED SUBCONTRACTORS

Clause 15.0

Ref Clause 6.7 [CD] - Clause 15.1.4 & Clause 15.5

15.1.5 No Clause

SECTION 1: PRELIMINARIES (SECTION A)**Each Item Carried to Collection**

Item		R	c
	<p>Replace Clause 15.1.2 with the following: The principal agent shall call for tenders from a list of tenderers agreed between the contractor and the employer</p> <p>Replace “principal agent ” with “employer” [6.7 [CD]] in Clause 15.4.1</p> <p>F:..... V:..... T:.....</p>		
A16.0	<p>DIRECT CONTRACTORS</p> <p>Clause 16.0</p> <p>F:..... V:..... T:.....</p>	Item	
A17.0	<p>CONTRACT INSTRUCTIONS</p> <p>Clause 17.0</p> <p>Replace Clause 17.4 with the following: The contractor shall comply with and duly execute all contract instructions except any contract instruction for additional work issued after the date of practical completion other than making good physical loss and repairing damage to the works in terms of 8.0 and 21</p> <p>Add the following clause as Clause 17.6: Minutes of meetings shall not constitute a site instruction unless reduced to a written contract instruction issued by the principal agent in terms of this contract / agreement.</p> <p>F:..... V:..... T:.....</p>	Item	
A18.0	<p>COMPLETION</p> <p>INTERIM COMPLETION</p> <p>Clause 18.0</p> <p>F:..... V:..... T:.....</p>	N/A	-
A19.0	<p>PRACTICAL COMPLETION</p> <p>Clause 19.0</p> <p>Replace Clause 19.5 with the following: On issue of the only or last certificate of practical completion the employer shall be entitled to possession of the works and the site. On issue of the certificate of practical completion for a section, the employer shall be entitled to possession of such section</p> <p>Add the following as Clause 19.8: WORKS COMPLETION</p> <p>(1) Within seven (7) calendar days of the date of practical completion the principal agent shall issue to the contractor a works completion list defining the outstanding work and defects apparent at the date of practical completion to be completed or rectified to achieve works completion.</p> <p>(2) Where, in the opinion of the contractor, the works completion list has been completed the contractor shall notify the principal agent who shall inspect within seven (7) calendar days of receipt of such a notice. Where, in the opinion of the principal agent, the Works Completion list:</p> <p>(2)(a) Has been satisfactorily completed, the principal agent shall forthwith issue a certificate of Works Completion to the contractor with a copy to the employer</p>		

SECTION 1: PRELIMINARIES (SECTION A)

Each Item Carried to Collection

- (2)(b) Has not been satisfactorily completed, the principal agent shall forthwith identify the works completion list items that are not yet complete and inform the contractor thereof. The contractor shall repeat the procedure in terms of 19.8(2)
- (3) Should the principal agent not issue a works completion list, in terms of 19.8 (1) or 19.8 (2)(b), within seven (7) calendar days from the end of the inspection period, the contractor shall notify the employer and principal agent. Should the principal agent not issue such Works Completion list within seven (7) calendar days of receipt of such notice, the employer may within seven (7) calendar days issue to the contractor a Works Completion list. Should the employer:
- (3)(a) Not issue such works completion list within seven (7) calendar days, then the certificate of Works Completion shall be deemed to have been issued on the date of expiry of the initial notice period and works completion shall be deemed to have been achieved on such date
- (3b) Issue a works completion list and the work on Works Completion list not have been completed or where further defects have become apparent, the employer shall forthwith identify such items on the updated works completion list and notify the contractor. The contractor shall repeat the procedure in terms of 19.8(2)(b) until such items have been completed to the satisfaction of the employer
- (4) Should the works completion list not be completed to the satisfaction of the employer within a period of twenty one (21) working days of the issue first works completion list the contractor shall be liable to a daily penalty as described in B12.0
- (5) The defects liability period in terms of 21.1 shall commence with the issue or deemed issue of the certificate of Works Completion in terms of 19.8(2)(a) or 19.8(3).

F:..... V:..... T:.....

Item

A20.0

COMPLETION IN SECTIONS

Clause 20.0

Add the following as Clause 20.2.1.A

A certificate of Works Completion [19.8]

F:..... V:..... T:.....

Item

A21.0

DEFECTS LIABILITY PERIOD AND FINAL COMPLETION

Clause 21.0

Replace Clause 21.1 with the following:

The defects liability period for the works shall commence on the calendar day following the date of works completion and end at midnight (00:00) ninety (90) calendar days from the date of works completion [CD] or when work on the list for completion has been satisfactorily attended to [21.6], whichever is the later (if we use works completion)

Replace Clause 21.6 with the following:

On the expiry of the ninety (90) calendar days defects liability period [21.1] for items not indicated as items with an extended liability as indicated in B14 and on receipt of the contractor's notice to the principal agent

And/or

On the expiry of the defects liability period as indicated in B14, for items indicated in B14 and on receipt of the contractor's notice to the principal agent, the principal agent shall:

- (1) inspect the works And within ten (10) working days either issue a list for final completion

SECTION 1: PRELIMINARIES (SECTION A)

Each Item Carried to Collection

- detailing all outstanding work or defects that must be attended to, or rectified to achieve final completion or
- (2) issue the certificate of final completion to the contractor with a copy to the employer for that part of the works where defects liability period has expired

21.6.1 Omit Clause

21.6.2 Omit Clause

Add the following as Clause 21.13:

The ninety (90) calendar days defects liability period for the works [21.1] is replaced with an extended defects liability period of three hundred and sixty-five (365) calendar days in respect of the listed applicable elements in B14

Add the following as Clause 21.14:

Penalties will be applied if the items on the completion list have not been attended to within a period of ninety (90) calendar days [21.1]. If additional defect items have being added to the list during this period, then the Principal Agent and Contractor will agree on a revised completion date. Failing in achieving the revised date will result in penalties being applied.[B12.0]

F:..... V:..... T:.....

Item

A22.0

LATENT DEFECTS LIABILITY PERIOD

Clause 22.0

22.3.2 No Clause

F:..... V:..... T:.....

Item

A23.0

REVISION OF THE DATE FOR PRACTICAL COMPLETION

Clause 23.0

Ref Clause 6.7 [CD] – Clause 23.1

Ref Clause 6.7 [CD] – Clause 23.2

23.2.13 No Clause

Replace Clause 23.3 with the following:

Further circumstances that delays practical completion due to any other cause beyond the contractor's reasonable control that could not have reasonably been anticipated and provided for which the contractor may be entitled to a revision of the date for practical completion, with or without an adjustment of the contract value as determined by the Employer [6.7 CD]

Ref Clause 6.7 [CD] - Clause 23.7

Ref Clause 6.7 [CD] - Clause 23.8

F:..... V:..... T:.....

Item

A24.0

PENALTY FOR LATE OR NON-COMPLETION

Clause 24.0

Replace Clause 24.1 with the following:

Where the contractor fails to bring the works, or a section thereof, to practical-, works-, or final-completion by the applicable completion date [CD], or the revised applicable completion date, the contractor shall be liable to the employer for the penalty [CD]

Replace Clause 24.2 with the following:

Where the employer elects to levy such penalty the employer, or the principal agent on

SECTION 1: PRELIMINARIES (SECTION A)

Each Item Carried to Collection

instruction from the employer, shall give notice thereof to the contractor. The principal agent shall determine the penalty due from the later of the date for practical- works-, or final-completion [CD], or the revised date for practical- works-, or final- completion, up to and including the earlier of:

Replace Clause 24.2.1 with the following:

The actual or deemed date of practical- works-, or final- completion, of the works, or a section thereof [23.7.1]

F:..... V:..... T:.....

Item

PAYMENT

A25.0

PAYMENT

Clause 25.0

Replace Clause 25.2 with the following:

The principal agent shall issue at regular agreed intervals [CD] payment certificates, to the contractor with a copy to the employer, up to and including practical completion. Interim Payment certificates may be issued to the contractor between practical completion and the final payment certificate. A payment certificate may be for a nil or negative amount

Add the following to Clause 25.3:

25.3.12 Monthly Local content report,

25.3.13 EPWP / NYS payment register, labour reports and certified ID document of EPWP/ NYS beneficiaries, Contract between Contractor and EPWP/ NYS beneficiaries, attendance register. (if applicable)

25.3.14 Tax Invoice

25.3.15 Labour intensive report

25.3.16 Contract participation goal reports

25.5 No Clause

Replace Clause 25.6 with the following:

Materials and goods will only be certified and paid for upon providing proof of full payment to the supplier and proof of transfer of ownership from the supplier to the contractor by the contractor. Once paid, material and goods shall become the property of the employer and shall not be removed from site without the written authority of the Employer.

25.7.5 No clause.

Replace Clause 25.10 with the following:

The employer shall pay the contractor the amount stipulated in an issued payment certificate, correct in all material respects, within thirty (30) calendar days from the date of receiving the payment certificate, invoice and all other substantiating documentation for items certified in the payment certificate

Replace Clauses 25.12 to 25.12.3 with the following:

The value certified shall be subject to the following percentage adjustments :

(Clauses 25.12.1 to 25.12.5 shall be applicable to a contract sum up to R1 million. In the event of a contract sum more than R1 million for Options D & E (C 1.0 Securities [11.0]) Clauses 25.12.1 to 25.12.5 shall be applicable)

25.12.1 Where a security is selected in terms of C 1.0 Securities [11.0], the value of the works in terms of 25.1 and of the materials and goods in terms of 25.4 shall be certified in

full. The value certified shall be subject to the following percentage adjustments:

25.12.2 Ninety-five per cent (95%) of such value in interim payment certificates issued up to the date of practical completion

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

25.12.4 Ninety-nine per cent (99%) of such value in interim payment certificates issued on the date of final completion and up to but excluding the final payment certificate in terms of 26

25.12.5 One hundred per cent (100%) of such value in the final payment certificate in terms of 26 except where the amount certified is in favour of the employer. In such an event the payment reduction shall remain at the adjustment level applicable to the final payment certificate.

(Clauses 25.12.6 to 25.12.10 shall be applicable to a contract sum more than R1 million for Option C (C 1.0 Securities [11.0])

25.12.6 Where security is a payment reduction in term of C 1.0 Option C, value of the works in terms of 25.1 and materials and goods in terms of 25.4 shall be certified in full. The value certified shall be subject to the following percentage adjustments:

25.12.7 Ninety per cent (90%) of such value in interim payment certificates issued up to the date of practical completion

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

25.12.9 Ninety-nine per cent (99%) of such value in interim payment certificates issued on the date of final completion and up to but excluding the final payment certificate in terms of 26

25.12.10 One hundred per cent (100%) of such value in the final payment certificate in terms of 26 except where the amount certified is in favour of the employer. In such an event the payment reduction shall remain at the adjustment level applicable to the final payment certificate

F:..... V:..... T:.....

Item

A26.0

ADJUSTMENT OF THE CONTRACT VALUE AND FINAL ACCOUNT

Clause 26.0

Ref Clause 6.7 [CD] – Clause 26.1

Omit Clause 26.4.3

Ref Clause 6.7 [CD] – Clause 26.7

Replace Clause 26.10 with the following:

The principal agent shall prepare the final account in consultation with the employer and issue the final account, to the contractor within sixty (60) working days of the date of practical completion

Ref Clause 6.7 [CD] – Clause 26.12

F:..... V:..... T:.....

Item

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Each Item Carried to Collection

Item		R	c
A27.0	<p>RECOVERY OF EXPENSE AND/OR LOSS</p> <p>Clause 27.0</p> <p>Replace Clause 27.1.2 with the following: Interest due to late payment only</p> <p>Replace Clause 27.1.4 with the following: Interest due to late payment only</p> <p>27.1.5 No Clause</p> <p>Replace Clause 27.5 with the following: Where the employer decides to recover an amount due in terms of 27.2 from a construction guarantee, cash deposit or retention money held as security, the employer shall issue a written demand to the contractor before recovering the amount. Should such amount not be paid to the employer within fourteen (14) calendar days of the date-of notice by the employer, the employer may recover such an amount from the security</p> <p>Add the following as Clause 27.6: Where a provisional sequestration or provisional liquidation order has been granted or where an order has been granted which commences sequestration, liquidation, bankruptcy, receivership, winding-up or any similar effect, against the contractor or this agreement is cancelled in terms of 29, the employer may issue a demand to the guarantor in terms of the construction guarantee or advance payment guarantee held as security</p> <p>F:..... V:..... T:.....</p> <p>SUSPENSION AND TERMINATION</p>		
A28.0	<p>SUSPENSION BY THE CONTRACTOR</p> <p>Clause 28.0</p> <p>28 No Clause 28.1 No Clause 28.1.1 No Clause 28.1.2 No Clause 28.1.3 No Clause 28.1.4 No Clause 28.1.5 No Clause 28.2 No Clause 28.3 No Clause 28.4 No Clause</p> <p>F:..... V:..... T:.....</p>	Item	
A29.0	<p>TERMINATION</p> <p>Clause 29.0</p> <p>Add the following as Clause 29.1.4: The contractor's estate has been sequestrated, liquidated or surrendered in terms of the insolvency laws in force within the Republic of South Africa</p> <p>Add the following as Clause 29.1.5: The contractor has engaged in corrupt or fraudulent practices in competing for or in executing the contract</p>	Item	

SECTION 1: PRELIMINARIES (SECTION A)

Each Item Carried to Collection

Add the following as Clause 29.1.6:

Honour his obligations in terms of Clauses 10.1.5.1.3, 11.4.1 and 12.2. sub Clauses 5, 6, 8, 9, 10, 11, 12, 13, 15, 16, 19, 20, 22.

Replace Clause 29.7 with the following:

The employer, on notice to the contractor, may recover damages from the contractor from the date of termination including, but not limited to, additional costs incurred in the completion, consultant cost, rental of alternative accommodation, invitation of completion tenders, salaries of officials and safeguarding the site, of the remaining work [25.3.7; 27.1.3]

Replace Clause 29.9 with the following:

The employer has the right of recovery against the contractor, where applicable, [CD] from:

The guarantee for construction (variable) until the final payment has been made;

or

The guarantee for construction (fixed) until the date of practical completion;

or

The payment reduction until the final payment is made;

or

The cash deposit made as security until the final payment is made

29.14.1 No Clause

29.14.3 No Clause

29.14.4 No Clause

29.14.5 No Clause

29.14.6 No Clause

29.14.7 No Clause

29.15 No Clause

29.16 No Clause

29.17.3 No Clause

29.17.6 No Clause

29.21.5 No Clause

29.22 No Clause

29.23 No Clause

29.25.3 No Clause

29.25.4 No Clause

29.27 No Clause

F:..... V:..... T:.....

Item

SECTION 1: PRELIMINARIES (SECTION A)**Each Item Carried to Collection**

DISPUTE RESOLUTION

A30.0

DISPUTE RESOLUTION

Clause 30.0

Replace Clause 30.2 with the following:

Where such disagreement is not resolved within ten (10) working days of receipt of such notice it shall be deemed to be a dispute and shall be submitted to Mediation as a first method of dispute resolution failing which the parties will resort to Litigation

30.3 to 30.7.7 No Clauses**Replace Clause 30.8 with the following:**

The parties may, by agreement and at any time before Litigation, refer a dispute to mediation, in which event:

30.8.1 No Clause**Replace Clause 30.8.2 with the following:**

The appointment of a mediator, the procedure, and the status of the outcome shall be agreed between the parties

Replace Clause 30.8.3 with the following:

Regardless of the outcome of a mediation the parties shall bear their own costs concerning the Mediation and equally share the costs of the mediator and related expenses

Replace Clause 30.9 with the following:

Institution of Litigation shall be commenced and process served within three (3) year from the date of existence of the dispute, failing which the dispute shall lapse

30.10 No Clause

30.12 No Clause

F:..... V:..... T:.....

Item

Item		R	c
	SECTION B: GENERAL PRELIMINARIES		
B1.0	DEFINITIONS AND INTERPRETATION		
B1.1	Definitions		
	F:..... V:..... T:.....	Item	
B1.2	Interpretation		
	F:..... V:..... T:.....	Item	
B2.0	DOCUMENTS		
B2.1	Checking of documents		
	F:..... V:..... T:.....	Item	
B2.2	Provisional bills of quantities		
	F:..... V:..... T:.....	Item	
B2.3	Availability of construction information		
	F:..... V:..... T:.....	Item	
B2.4	Ordering of materials and goods		
	F:..... V:..... T:.....	Item	
B3.0	PREVIOUS WORK AND ADJOINING PROPERTIES		
B3.1	Previous work - dimensional accuracy		
	F:..... V:..... T:.....	Item	
B3.2	Previous work - defects		
	F:..... V:..... T:.....	Item	
B3.3	Inspection of adjoining properties		
	F:..... V:..... T:.....	Item	
B4.0	THE SITE		
B4.1	Handover of site in stages		
	F:..... V:..... T:.....	Item	
B4.2	Enclosure of the works		
	F:..... V:..... T:.....	Item	
B4.3	Geotechnical and other investigations		
	F:..... V:..... T:.....	Item	
B4.4	Encroachments		
	F:..... V:..... T:.....	Item	

SECTION 1: PRELIMINARIES (SECTION B)

Each Item Carried to Collection

Item		R	c
B4.5	Existing premises occupied F:..... V:..... T:.....	Item	
B4.6	Services - known F:..... V:..... T:.....	Item	
B5.0	MANAGEMENT OF CONTRACT		
B5.1	Management of the works F:..... V:..... T:.....	Item	
B5.2	Progress meetings F:..... V:..... T:.....	Item	
B5.3	Technical meetings F:..... V:..... T:.....	Item	
B6.0	SAMPLES, SHOP DRAWINGS AND MANUFACTURER'S INSTRUCTIONS		
B6.1	Samples of materials F:..... V:..... T:.....	Item	
B6.2	Workmanship samples F:..... V:..... T:.....	Item	
B6.3	Shop drawings F:..... V:..... T:.....	Item	
B6.4	Compliance with manufacturer's instructions F:..... V:..... T:.....	Item	
B7.0	DEPOSITS AND FEES		
B7.1	Deposits and fees F:..... V:..... T:.....	Item	
B8.0	TEMPORARY SERVICES		
B8.1	Water F:..... V:..... T:.....	Item	
B8.2	Electricity F:..... V:..... T:.....	Item	
B8.3	Ablution and welfare facilities F:..... V:..... T:.....	Item	

SECTION 1: PRELIMINARIES (SECTION B)

Each Item Carried to Collection

Item		R	c
B8.4	Communication facilities F:..... V:..... T:.....	Item	
B9.0	PRIME COST AMOUNTS		
B9.1	Responsibility for prime cost amounts F:..... V:..... T:.....	Item	
B10.0	ATTENDANCE ON SUBCONTRACTORS		
B10.1	General attendance The contractor shall at his own expense provide the following general attendance on the subcontractors : Access to the site and places where the subcontract work is to be carried out, including the reasonable use of any temporary personnel hoists erected by the contractor The provision of water and lighting and single phase electric power to a position within 50 metres of the place where the subcontract work is to be carried out but excluding water, fuel and power for commissioning of any installation The provision of an area for the subcontractor to establish temporary office accommodation and workshops and for the storage of plant and materials The use of erected scaffolding belonging to the contractor , in common with others having the like right, while it remains erected on the site The use, at reasonable times by arrangement of the contractor's erected hoisting equipment F:..... V:..... T:.....	Item	
B10.2	Special attendance F:..... V:..... T:.....	Item	
B11.0	GENERAL		
B11.1	Protection of the works F:..... V:..... T:.....	Item	
B11.2	Protection/isolation of existing works and works occupied in sections F:..... V:..... T:.....	Item	
B11.3	Security of the works F:..... V:..... T:.....	Item	
B11.4	Notice before covering work F:..... V:..... T:.....	Item	

SECTION 1: PRELIMINARIES (SECTION B)

Each Item Carried to Collection

Item		R	c
B11.5	Disturbance The contractor shall keep the site , structures, etc well watered during operations to prevent dust and shall provide and erect and remove on completion of the works all necessary temporary dust screens all to the satisfaction of the principal agent F:..... V:..... T:.....		Item
B11.6	Environmental disturbance F:..... V:..... T:.....		Item
B11.7	Works cleaning and clearing F:..... V:..... T:.....		Item
B11.8	Vermin F:..... V:..... T:.....		Item
B11.9	Overhand work F:..... V:..... T:.....		Item
B11.10	Tenant installations F:..... V:..... T:.....		Item
B11.11	Advertising F:..... V:..... T:.....		Item

SECTION 1: PRELIMINARIES (SECTION B)

Each Item Carried to Collection

SECTION C: SPECIFIC PRELIMINARIES

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

C1.0 CONTRACT DRAWINGS

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

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

* A full set of drawings is issued with the tender documents indicating the full scope of the work to enable the tenderer to acquaint himself with the nature and extent of the **works** and the manner in which they are to be executed

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

F:..... V:..... T:.....

Item

C2.0 PREAMBLES

The document "Construction Works: Specifications: General Specification (PW371-A) Edition 2.1" is obtainable on the Department's website (<http://www.publicworks.gov.za/> under "Consultants Guidelines"), and shall be read in conjunction with the **bills of quantities** / lump sum document and be referred to for the full descriptions of work to be done and materials to be used

The document "Construction Works: Specifications: Particular Specification (PW371-B) Edition 2.2" is issued together with the drawings and shall be read in conjunction with the drawings and the **bills of quantities** / lump sum document

F:..... V:..... T:.....

Item

C3.0 TRADE NAMES

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

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

F:..... V:..... T:.....

Item

C4.0 IMPORTED MATERIALS AND EQUIPMENT

Where imported items are listed in the tender documents, the tenderer shall provide all the information called for, failing which the price of any such item, materials or equipment shall be excluded from currency fluctuations. (refer to Schedule of Imported Materials and Equipment DPW-23(EC) to be completed by tenderer)

Notwithstanding any provisions elsewhere regarding the adjustment of contract prices, the price of any item, material or equipment listed in terms of this clause shall be excluded from the

SECTION 1: PRELIMINARIES (SECTION C)

Each Item Carried to Collection

Item		R	c
	Contract Price Adjustment Provisions (if applicable) F:..... V:..... T:.....		Item
C5.0	VIEWING THE SITE IN SECURITY AREAS The site is situated in a security area and the tenderer must arrange with the unit commander or other responsible officer to obtain permission to enter the site for tendering purposes F:..... V:..... T:.....		Item
C6.0	COMMENCEMENT OF WORKS IN SECURITY AREAS As the works falls within a security area the contractor must give the unit commander or other responsible officer notice before commencement of the works . Should the contractor fail to make such arrangements, admission to the site may be refused and any additional costs will be for the contractor's account F:..... V:..... T:.....		Item
C7.0	ENTRANCE PERMITS TO SECURITY AREAS As the works falls within a security area the contractor shall obtain entrance permits for his personnel and workmen entering the area and shall comply with all regulations and instructions which may be issued from time to time regarding the protection of persons and property under the control of the Defence Force, Police or chief security officer F:..... V:..... T:.....		Item
C8.0	SECURITY CHECK OF PERSONNEL The principal agent may require the contractor to have his personnel and workmen, or a certain number of them, security classified In the event of the principal agent requesting the removal of a person or persons from the works for security reasons, the contractor shall do so forthwith and shall thereafter ensure that such person or persons are denied access to the works and the site and/or to any document or information relating to the works F:..... V:..... T:.....		Item
C9.0	PROHIBITION ON TAKING OF PHOTOGRAPHS In terms of article 119 of the Defence Act, 44 of 1957, it is prohibited to sketch or to take photographs of any military site or installation or any building or civil works thereon or to be in possession of a camera or other apparatus used for taking of photographs except when authorized thereto by or on behalf of the Minister The same prohibition is also applicable to all correctional institutions in terms of article 44.1(e) of the Correctional Services Act 8 of 1959 F:..... V:..... T:.....		Item
C10.0	HIV/AIDS AWARENESS It is required of the contractor to thoroughly study the HIV/AIDS Specification (PW 1544) of the Department that must be read together with and is deemed to be incorporated under this		

SECTION 1: PRELIMINARIES (SECTION C)

Each Item Carried to Collection

Section of the **bills of quantities** / lump sum document. Provision for pricing of HIV/AIDS awareness is made under items C10.1 to C10.5 hereafter and it is explicitly pointed out that all requirements of the aforementioned specification are deemed to be priced hereunder, as the said items represent the only method of measurement and no additional items or extras to the contract in this regard shall be entertained

The **contractor** must take note that compliance with the HIV/AIDS Specification is compulsory. In the event of partial or total non-compliance, the **principal agent**, notwithstanding the provisions of Clause A 25.0 of Section A or any other clause to the contrary, reserves the right to delay issuing any progress **payment certificate** until the **contractor** provides satisfactory proof of compliance. The **contractor** shall not be entitled to any compensation of whatsoever nature, including **interest**, due to such delay of payment

C10.1 **AWARENESS CHAMPION**

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

F:..... V:..... T:.....

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

F:..... V:..... T:.....

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

F:..... V:..... T:.....

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

F:..... V:..... T:.....

Item

C10.5 **MONITORING**

Monitoring HIV/AIDS awareness of workers, providing the **principal agent** with access to information including making available all reports, thoroughly completed and reflecting the correct information, for the duration of the **construction period** and close out, all in accordance with the HIV/AIDS Specification

F:..... V:..... T:.....

Item

C11.0 **OCCUPATIONAL HEALTH AND SAFETY ACT**

The **contractor** shall comply with all the requirements as set out in the Construction

SECTION 1: PRELIMINARIES (SECTION C)

Each Item Carried to Collection

Regulations, 2014 issued under the Occupational Health and Safety Act, 1993 (Act No 85 of 1993)

It is required of the **contractor** to thoroughly study the Health and Safety Specification that must be read together with and is deemed to be incorporated under this Section of the **bills of quantities** / lump sum document

The **contractor** must take note that compliance with the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is compulsory. In the event of partial or total non-compliance, the **principal agent**, notwithstanding the provisions of Clause A25.0 of Section A or any other clause to the contrary, reserves the right to delay issuing any progress **payment certificate** until the **contractor** provides satisfactory proof of compliance. The **contractor** shall not be entitled to any compensation of whatsoever nature, including **interest**, due to such delay of payment

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

F:..... V:..... T:.....

Item

C12.0

EMPLOYMENT AND TRAINING OF YOUTH WORKERS ON THE EXPANDED PUBLIC WORKS PROGRAMME (EPWP) INFRASTRUCTURE PROJECTS: NATIONAL YOUTH SERVICE (NYS)

The **contractor** shall comply with all the requirements as set out in the "Additional Specification SL: Employment and Training of Youth Workers on the Expanded Public Works Programme (EPWP) Infrastructure Projects: National Youth Service (NYS)" as attached to these **bills of quantities** / lump sum document

The **contractor** shall identify a minimum number of youth workers from a priority list, and shall employ them at the statutory labour rates for a minimum period and train them, all as per the aforementioned specification and as elsewhere measured in these **bills of quantities** / lump sum document

The **contractor** shall liaise and co-ordinate with the **employer** and the EPWP Training Service Provider with regard to the priority list, the selection of youth workers, and the employment and training of the identified youth workers

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

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

F:..... V:..... T:.....

Item

C13.0

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

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

SECTION 1: PRELIMINARIES (SECTION C)

Each Item Carried to Collection

intensive infrastructure project under the Expanded Public Works Programme (EPWP)

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

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

F:..... V:..... T:.....

Item

**SECTION 1
PRELIMINARIES
COLLECTION**

AMOUNT

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SECTION 1: PRELIMINARIES: COLLECTION

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	<p><u>SECTION NO. 2</u></p> <p><u>BILL NO. 1</u></p> <p><u>ALTERATIONS (PROVISIONAL)</u></p> <p>NOTE : Tenderers are advised to study the 'Specification of Materials and Methods to be used' (PW 371-A and B) before pricing this bill</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>View site</u></p> <p>Before submitting his tender the contractor shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials contained in the buildings or portions of the buildings to be demolished. No claim for any variations of the contract sum in respect of the nature and extent of the work or of inferior or damaged materials will be entertained</p> <p><u>Explosives</u></p> <p>No explosives whatsoever may be used for demolition purposes unless otherwise stated</p> <p><u>General</u></p> <p>The contractor shall carry out the whole of the works with as little mess and noise as possible and with a minimum of disturbance to adjoining premises and their tenants. He shall provide proper protection and provide, erect and remove when directed, any temporary tarpaulins that may be necessary during the progress of the works, all to the satisfaction of the principal agent</p> <p>Water supply pipes and other piping that may be encountered and found necessary to disconnect or cut, shall be effectually stopped off or grubbed up and removed, and any new connections that may be necessary shall be made with proper fittings, to the satisfaction of the principal agent</p>				
	<p style="text-align: right;">Carried to Collection</p> <p>Repairs and renovations to existing buildings Bill No. 1 Alterations</p>			R	

	<p>Doors, fanlights, fittings, frames, linings, etc which are to be re-used shall be thoroughly overhauled before refixing including taking off, easing and rehanging, cramping up, re-wedging as required and making good cramps, dowels, etc, and easing, oiling, adjusting and repairing ironmongery as necessary, replacing any glass damaged in removal or subsequently and stopping up all nail and screw holes with tinted plastic wood to match timber, unless otherwise described. Re-painting or re-varnishing is given separately</p> <p>Prices for taking out of doors, windows, etc shall include for removal of all beads, architraves, ironmongery, etc</p> <p>Prices for taking out and removing doors and frames shall include for removing door stops, cabin hooks, etc and making good floor and wall finishes to match existing</p> <p>With regard to building up of openings in existing walls, cement screeds and pavings, granolithic, tops of walls, etc, shall be levelled and prepared for raising of brickwork</p> <p>Making good of finishes shall include making good of the brick and concrete surfaces onto which the new finishes are applied, where necessary</p> <p>The contractor will be required to take all dimensions affecting the existing buildings on the site and he will be held solely responsible for the accuracy of all such dimensions where used in the manufacture of new items (doors, windows, fittings, etc)</p> <p>Old material to become property of the contractor</p> <p>Old material must be carted away and included in the rates</p> <p>Old material of the alterations and all rubbish is to be carted away in regularly intervals and not stored on the site</p> <p><u>The "JoJo" water tanks stay the property of Department of Labour</u></p> <p><i>Under no circumstances shall any work of any nature whatsoever on any ASBESTOS material be undertaken unless the work is entrusted and mandated to a "REGISTERED ASBESTOS CONTRACTOR" in terms of the Asbestos Regulations.</i></p> <p style="text-align: right;">Carried to Collection</p> <p>Repairs and renovations to existing buildings Bill No. 1 Alterations</p>				
				R	

	<u>SAFETY GUARD PROTECTION</u>					
1	24 Hour safety guard protection during the construction period		Item			
	<u>REMOVAL OF EXISTING WORK</u>					
	<u>TEMPORARY BARRICADES, SCREENS, ETC</u>					
	<u>Temporary barricades, screens, roofs, etc including removal</u>					
2	Half brick barrier wall 2m high, including cement plaster and two coats interior quality PVA emulsion paint on one side	m	5			
3	Dust screen 4m high between concrete floor and ceiling, of suitable timber framing with 375 micron polyethylene sheeting stapled on one side, including corners, ends, etc	m	10			
4	Drywall barricade 2m high of galvanised steel channel section rails and studs covered on one side with 12,7mm gypsum plasterboard and finished with two coats interior quality PVA emulsion paint, including corners, ends, etc	m	10			
5	Extra over preceding item for hollow core single door 813 x 2032mm high, including steel frame, two-lever mortice lock, primer and two coats paint	No	5			
	<u>Breaking up and removing unreinforced concrete</u>					
6	100mm Thick surface beds	m ²	5			
7	150mm Thick surface beds	m ²	5			
	<u>Breaking up and removing reinforced concrete, including cutting off and removing reinforcement</u>					
8	150mm Thick reinforced concrete slab	m ²	16			
	<u>Breaking down and removing brickwork etc</u>					
9	Half brick walls	m ²	40			
10	One brick walls	m ²	5			
	Carried to Collection				R	
	Repairs and renovations to existing buildings					
	Bill No. 1					
	Alterations					

	<u>Taking out and removing doors, louvres, etc., including thresholds, sills, etc., including prepair opening to install new door of same size in brick wall and repairs to internal plaster and external face bricks on other side (making good paintwork, new doors elsewhere measured)</u>					
11	Single door and frame with door size 813 x 2032mm in half brick wall	No	13			
12	Single door and frame with door size 813 x 2032mm in one brick wall	No	32			
13	Single door and frame with door size 864 x 2032mm in one brick wall	No	1			
14	Single door and frame with door size 813 x 2032mm in partition	No	1			
15	Double door and frame with door size 1511 x 2032mm in one brick wall	No	4			
16	Shower door	No	1			
17	Double steel garage door size 2560 x 2810mm high	No	2			
18	Single steel gate size 1040 x 2140mm high	No	1			
19	Double steel gate size 1650 x 2140mm high	No	4			
	<u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc</u>					
20	Tiled roof and timber purlins	m²	1 195			
21	IBR sheet steel roof covering	m²	119			
22	Corrugated sheet steel roof covering and timber purlins	m²	111			
23	Gypsum plasterboard ceilings, including timber bandering, cornices, etc	m²	638			
24	Drywall partitions	m²	20			
	Carried to Collection				R	
	Repairs and renovations to existing buildings					
	Bill No. 1					
	Alterations					

	<u>Taking out and removing sundry joinery work, fittings, ironmongery and metalwork related to this, etc</u>					
25	Timber skirtings	m	1 295			
26	Soft board pinning boards or pinning carpets including timber surrounds	m ²	126			
27	Timber fascias	m	50			
28	600mm Wide x 900mm high timber kitchen floor cupboard	m	6			
29	1200mm Wide worktop station with partitions	m	5			
30	400mm Wide x 900mm high wall mounted pigeon hole cupboard	m	5			
	<u>Taking up and removing wood block floor coverings, vinyl floor coverings, carpets, etc and preparing screeds for new floor coverings</u>					
31	Vinyl tile floor covering	m ²	351			
32	Carpet tile floor covering	m ²	226			
	<u>Hacking up or stripping off the existing roof waterproofing and finishes to the areas to be covered with bituminous sheeting and clean down the surfaces</u>					
33	Bitumen waterproof membrane on concrete roofs	m ²	14			
	<u>Taking out and removing ironmongery</u>					
34	Horizontal blinds not exceeding 2m long	m	138			
35	Towel rail	No	9			
36	Toilet paper holder	No	12			
37	Brass peg stay	No	35			
38	Brass sliding stay	No	58			
39	Brass window handle	No	58			
40	Chromium plated hanging rail	m	8			
	Carried to Collection				R	
	Repairs and renovations to existing buildings					
	Bill No. 1					
	Alterations					

	<u>Taking out/off and removing sundry metalwork</u>					
41	Steel bracket from carport columns	No	8			
42	Previous contractor nameboard	No	1			
43	Steel balustrades 1000mm high from concrete stairs, including making good granolithic finish	m	12			
44	Steel motor vehicle bump rail 1000mm high	m	27			
	<u>Taking down and removing</u>					
45	Steel diamond mesh fence +/- 2000mm high with gates, steel posts and droppers	m	78			
	<u>Hacking up/off and removing granolithic, screeds, plaster, etc from concrete or brickwork and preparing surfaces for new screed, plaster, tile finishes, etc</u>					
46	25mm Screeds from floors	m ²	704			
47	25mm Granolithic from floors	m ²	11			
48	Granolithic skirtings 75mm high	m	7			
49	Internal plaster from walls and columns	m ²	389			
50	External plaster from walls, columns and beams	m ²	106			
	<u>Hacking up/off and removing ceramic tiles including removing mortar bed or adhesive from concrete or brickwork and preparing surfaces for new screed, plaster, tile finish, etc</u>					
51	Ceramic tiles to walls	m ²	282			
52	Ceramic tiles to floors	m ²	134			
53	Ceramic tile skirting 75mm high	m	23			
	<u>Taking out and removing piping, sanitary fittings, etc, including cutting off as necessary, disconnecting piping from fittings and making good floor and wall finishes (making good tiling and paintwork elsewhere)</u>					
54	Sheet iron rain water gutters	m	234			
55	Sheet iron rain water down pipes	m	156			
	Carried to Collection				R	
	Repairs and renovations to existing buildings					
	Bill No. 1					
	Alterations					

56	Copper or steel piping not exceeding 50mm diameter	m	55		
57	PVC or Cast iron piping not exceeding 50mm diameter	m	85		
58	PVC or Cast iron piping exceeding 50mm and not exceeding 110mm diameter	m	35		
59	Stainless steel urinal, including short lengths of piping, etc	No	1		
60	Vitreous china or enamelled cast iron wash hand basin, including short lengths of piping, etc	No	9		
61	Vitreous china WC pan with cistern, including short lengths of piping, etc	No	12		
62	Stainless steel sink, including short lengths of piping, etc	No	2		
63	Chromium plated shower head and two stop cocks, including short lengths of piping, etc	No	1		
64	150 Litre geyser	No	4		
<u>Taking out/off and removing glass and mirrors</u>					
65	Glass from steel windows, including cleaning out rebates and preparing for new glass	m ²	46		
66	Mirror 450 x 600mm high from wall	No	8		
67	Mirror 450 x 900mm high from wall	No	1		
<u>MAKING GOOD OF FINISHES, ETC</u>					
<u>Making good untinted granolithic</u>					
68	25mm Thick on floors in patches	m ²	11		
69	75mm Skirting	m	15		
70	Clean out cracks in concrete floor, wet thoroughly and fill in with bird wire and 3:1 cement mortar well caulked	m	11		
<u>Making good cement screeds</u>					
71	25mm Thick on floors in patches	m ²	704		
Carried to Collection				R	
Repairs and renovations to existing buildings					
Bill No. 1					
Alterations					

72	Clean out cracks in concrete floor, wet thoroughly and fill with 3:1 cement mortar well caulked	m	139		
	<u>Making good internal cement plaster, including gypsum skim plaster finishing coat</u>				
73	Walls in patches	m ²	410		
74	On ceilings in patches	m ²	1		
75	On narrow widths not exceeding 300mm wide in patches	m ²	50		
76	Clean out cracks in wall, wet thoroughly and fill with 3:1 cement mortar well caulked	m	366		
77	Repair structural cracks in wall by replacing cracked bricks, 3:1 cement mortar, bird wire and repair plaster where it was damaged to form a smooth even finish and finish it of with a v-joint where necessary	m	145		
	<u>Making good external plaster</u>				
78	Walls in patches	m ²	110		
79	On narrow widths in patches	m ²	15		
80	Clean out cracks in wall, wet thoroughly and fill with 3:1 cement mortar well caulked	m	106		
81	Repair structural cracks in wall by replacing cracked bricks, 3:1 cement mortar, bird wire and repair plaster where it was damaged to form a smooth even finish and finish it of with a v-joint where necessary	m	35		
	<u>BUILDING UP OPENINGS</u>				
	<u>Brickwork in NFP bricks in class II mortar in building up openings</u>				
82	Half brick walls	m ²	14		
83	One brick walls	m ²	10		
	<u>Sundries</u>				
84	Cutting toothings and bonding new brickwork to existing	m ²	3		
	<u>OPENINGS THROUGH EXISTING WALLS ETC</u>				
	Carried to Collection				
	Repairs and renovations to existing buildings				
	Bill No. 1				
	Alterations				

	<u>Altering openings</u>					
85	Altering opening in half brick wall where 900 x 2100mm high single door frame removed to form opening for new single door and frame with fanlight 900 x 2400mm high overall by breaking out brickwork on top, including prestressed concrete lintels, making good cement plaster on both sides and into reveals and soffit and with 20 MPa concrete threshold with steel trowelled finish (new door and frame and making good paintwork elsewhere)	No	4			
86	Altering opening in one brick wall where 900 x 2100mm high single door frame removed to form opening for new single door and frame with fanlight 900 x 2400mm high overall by breaking out brickwork on top, including prestressed concrete lintels, making good cement plaster on both sides and into reveals and soffit and with 20 MPa concrete threshold with steel trowelled finish (new door and frame and making good paintwork elsewhere)	No	26			
87	Altering opening in one brick wall where 1511 x 2100mm high single door frame removed to form opening for new double door and frame 1511 x 2400mm high overall by breaking out brickwork on top, including prestressed concrete lintels, making good cement plaster on both sides and into reveals and soffit and with 20 MPa concrete threshold with steel trowelled finish (new door and frame and making good paintwork elsewhere)	No	4			
	<u>Breaking out for and forming openings through brick walls for new doors and frames, including pre-stressed concrete lintels, making good cement plaster on both sides and into reveals and with 20 MPa concrete thresholds with steel trowelled finish (new doors and frames and making good paintwork elsewhere)</u>					
88	Opening for door with steel frame 900 x 2100mm high overall through one brick wall	No	3			
	<u>Breaking out for and forming openings through brick walls for new windows, including brick lintels, making good cement plaster on one side and into reveals and face brickwork on other side and into reveals and with sloping quarry tile sills on outside and flat quarry tile sills on inside (new windows and making good paintwork elsewhere)</u>					
89	Opening 600 x 900mm high through one brick wall	No	2			
	Carried to Collection				R	
	Repairs and renovations to existing buildings					
	Bill No. 1					
	Alterations					

90	Opening 1200 x 900mm high through one brick wall	No	1		
	<u>PREPARATORY WORK TO EXISTING SURFACES</u>				
91	Hacking faces of existing painted plaster to receive tiling	m²	225		
92	Hacking surface of granolithic floor surface to receive tiling	m²	11		
	<u>REMOVAL OF ASBESTOS BY SPECIALIST CONTRACTOR</u>				
	<i>Please note that this part was provisional measured. It will also be remeasured as the whole bills of quantities will be, according to what is actually identified as asbestos and removed from the building and disposed from the site</i>				
	<i>The building is occupied during the construction period and therefore the asbestos cannot be removed in one period, but in phases. The phases will only be determined during the construction period. No additional cost will be allowed for these phases.</i>				
93	Allow for the appointment of an Approved Inspection Authority (AIA) registered with the Department of Labour to facilitate the removal, handling and safe disposal of asbestos products removed from the building all in accordance with the Occupational Health and Safety Act, 1933 (Act 85 of 1993) and the Asbestos Regulations, 2001 as well as the Environmental Conservation Act, 1989 (Act 73 of 1989)			Item	
94	Allow for the appointment of a Registered Asbestos Contractor with the Department of Labour to facilitate the removal, handling and safe disposal of asbestos products removed from the building all in accordance with the Occupational Health and Safety Act, 1933 (Act 85 of 1993) and the Asbestos Regulations, 2001 as well as the Environmental Conservation Act, 1989 (Act 73 of 1989)			Item	
95	Allow for the removal of asbestos board ceilings, including cornices, timber brandering, isolation, etc	m²	123		
96	Allow for the disposal of asbestos board ceilings, including cornices, timber brandering, isolation, etc	m²	123		
97	Allow for the removal of asbestos fascias and barge boards	m	227		
	Carried to Collection				
	Repairs and renovations to existing buildings			R	
	Bill No. 1				
	Alterations				

	<u>Extra over excavation in earth for excavation in</u>					
3	Soft rock	m ³	3			
4	Hard rock	m ³	28			
	<u>Back excavation of vertical sides of excavations in earth for working space including backfilling compacted to 95% Mod AASHTO density</u>					
5	Not exceeding 500mm deep for placing and removing formwork to bases etc, 1000mm away from excavated face	m ²	5			
6	Extra over for excavation in soft rock	m ²	1			
7	Extra over for excavation in hard rock	m ²	4			
8	Exceeding 500mm and not exceeding 1,5m deep for placing and removing formwork to bases etc, 1000mm away from excavated face	m ²	20			
9	Extra over for excavation in soft rock	m ²	1			
10	Extra over for excavation in hard rock	m ²	8			
11	Exceeding 1,5m and not exceeding 3m deep for placing and removing formwork to bases etc, 1000mm away from excavated face	m ²	10			
12	Extra over for excavation in soft rock	m ²	1			
13	Extra over for excavation in hard rock	m ²	4			
	<u>Extra over all excavations for carting away</u>					
14	Surplus material from excavations and/or stock piles on site, to a dumping site to be located by the contractor	m ³	67			
	<u>Risk of collapse of excavations</u>					
15	Sides of trench and hole excavations not exceeding 1,5m deep	m ²	120			
16	Sides of trench and hole excavations exceeding 1,5m deep	m ²	10			
	<u>Keeping excavations free of water</u>					
17	Keeping excavations free of all water other than subterranean water		Item			
	Carried to Collection				R	
	Repairs and renovations to existing buildings					
	Bill No. 2					
	Earthworks					

18	<u>WEED KILLERS, INSECTICIDES, ETC</u> <u>Soil insecticide in accordance with SANS 5859</u> To bottoms and sides of trenches etc	m²	193			
	<p style="text-align: right;">Carried to Collection</p> Repairs and renovations to existing buildings Bill No. 2 Earthworks				R	

Item No		Unit	Quantity	Rate	Amount R
	<p><u>SECTION NO. 2</u></p> <p><u>BILL NO. 3</u></p> <p><u>CONCRETE, FORMWORK AND REINFORCEMENT (PROVISIONAL)</u></p> <p>NOTE : Tenderers are advised to study the 'Specification of Materials and Methods to be used' (PW 371-A and B) before pricing this bill</p> <p><u>Cost of tests</u></p> <p>The costs of making, storing and testing of concrete test cubes as required under clause 7 "Tests" of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests for approval. The testing shall be undertaken by an approved independent firm or institution nominated by the contractor (test cubes are measured separately)</p> <p><u>Breeze concrete</u></p> <p>Breeze concrete shall consist of twelve parts clean dry furnace ash, free from coal or other foreign matter, to one part cement (1:12); the ash graded up to particles which will pass a 16,5mm ring from a minimum which fails to pass a 4,75mm mesh. The finer materials from the screening are to be first mixed with the cement into a mortar and the ash added afterwards and thoroughly incorporated</p> <p><u>Lightweight concrete</u></p> <p>Lightweight concrete shall have a density of 600kg/m³ for the top 50mm and 400kg/m³ for the remaining thickness. The minimum thickness at outlets, channels, etc shall be 50mm</p> <p><u>Formwork</u></p> <p>Descriptions of formwork shall be deemed to include use and waste only (except where described as "left in" or "permanent"), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use</p> <p style="text-align: right;">Carried to Collection</p> <p>Repairs and renovations to existing buildings Bill No. 3 Concrete, formwork and reinforcement</p>				
				R	

	<p>The vertical strutting shall be carried down to such construction as is sufficiently strong to afford the required support without damage and shall remain in position until the newly constructed work is able to support itself</p> <p>Formwork to soffits of solid slabs etc shall be deemed to be to slabs not exceeding 250mm thick unless otherwise described</p> <p>Formwork to soffits of slabs, beams, etc shall be deemed to be propped up exceeding 1,5m and not exceeding 3,5m high unless otherwise described</p> <p>Formwork to sides of bases, pile caps, ground beams, etc will only be measured where it is prescribed by the engineer for design reasons. Formwork necessitated by irregularity or collapse of excavated faces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavations, provision for which is made in "Earthworks"</p> <p><u>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u></p> <p><u>20MPa/20mm concrete</u></p>					
1	<p>Bases</p> <p><u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u></p> <p><u>25MPa/20mm concrete</u></p>	m ³	3			
2	Foundation beams	m ³	17			
3	Bases	m ³	50			
4	Surface beds cast in panels on waterproofing	m ³	2			
	<u>TEST CUBES</u>					
5	Making and testing 150 x 150 x 150mm concrete strength test cube	No	6			
	<u>CONCRETE SUNDRIES</u>					
	Carried to Collection				R	
	Repairs and renovations to existing buildings					
	Bill No. 3					
	Concrete, formwork and reinforcement					

	<u>Finishing top surfaces of concrete smooth with a wood float and ripple paint roller finish</u>					
	6 Surface beds, slabs, etc to falls	m ²	34			
	<u>ROUGH FORMWORK (DEGREE OF ACCURACY III)</u>					
	<u>Rough formwork to sides</u>					
	7 Bases	m ²	40			
	8 Foundation beams	m ²	73			
	<u>REINFORCEMENT</u>					
	<u>Mild steel reinforcement to structural concrete work</u>					
	9 8mm diameter bars	t	0.586			
	<u>High tensile steel reinforcement to structural concrete work</u>					
	10 12mm diameter bars	t	0.387			
	11 16mm diameter bars	t	4.500			
	12 20mm diameter bars	t	5.000			
	<u>Fabric reinforcement</u>					
	13 Type 245 fabric reinforcement in concrete surface beds, slabs, etc	m ²	12			
	Carried to Collection				R	
	Repairs and renovations to existing buildings					
	Bill No. 3					
	Concrete, formwork and reinforcement					

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

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1	Half brick wall beam filling
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2	Half brick wall
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3	One brick walls
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2,5mm Galvanised brick reinforcement

4 | 75mm Wide reinforcement built in horizontally

Galvanised hoop iron cramps, ties, etc

5	30 x 1,6mm Roof tie 1,5m long with one end cast into concrete or build into brickwork and other end fixed to timber (provisional)
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Carried to Collection

R

Repairs and renovations to existing buildings
Bill No. 4
Masonry

Item No		Unit	Quantity	Rate	Amount R
	<u>SECTION NO. 2</u> <u>BILL NO. 5</u> <u>WATERPROOFING</u> NOTE : Tenderers are advised to study the 'Specification of Materials and Methods to be used' (PW 371-A and B) before pricing this bill <u>Waterproofing</u> Waterproofing of roofs, basements, etc shall be laid under a ten year guarantee. Waterproofing to roofs shall be laid to even falls to outlets etc with necessary ridges, hips and valleys. Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs <u>DAMPPROOFING OF WALLS AND FLOORS</u> <u>One layer 375 micron embossed polyethylene dampproof course (SANS 952-1985 type B)</u> 1 In walls m ² 3 <u>One layer 250 micron green polyethylene waterproof sheeting (SANS 952-1985 type C) sealed at laps with PVC self-adhesive tape</u> 2 Under surface beds m ² 12 <u>WATERPROOFING TO ROOFS ETC</u> <u>Prime with one coat bitumen primer and one layer 4mm fully bonded waterproof membrane comprising two bitumen layers reinforced with woven spunbonded polyester fabric and coated with polyethylene film for heat bonding, laid with 100mm side and 150mm end laps</u> 3 On flat roofs m ² 12 4 Sealing edges to brickwork or concrete including trowelled mastic bead m 15 5 Additional membrane 200mm girth at internal and external angles on walls m 15 <div> <div>Carried to Collection</div> <div>R</div> </div> Repairs and renovations to existing buildings Bill No. 5 Waterproofing				

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Item No		Unit	Quantity	Rate	Amount R
	<u>SECTION NO. 2</u>				
	<u>BILL NO. 6</u>				
	<u>ROOF COVERINGS, CLADDINGS, ETC (PROVISIONAL)</u>				
	NOTE : Tenderers are advised to study the 'Specification of Materials and Methods to be used' (PW 371-A and B) before pricing this bill				
	<u>CONCRETE ROOF TILES</u>				
	<u>Concrete roof tiles size 332 x 420mm laid with straight bond and fixed with non-corrodible tile nails and/or clips fixing category A to sawn softwood battens on underlay (battens and underlay elsewhere measured)</u>				
1	Roof covering with a 30 degree pitch	m²	1 195		
2	Circular cutting	m	10		
3	Close cut and fitted valleys including raking cutting on both sides and necessary additional battens (valley gutters elsewhere)	m	47		
4	Ridges of tiles to match roofing tiles, bedded and pointed in 1:3 tinted cement mortar, including 300mm wide strip of 375 micron embossed damp proof course in accordance with SANS 952 Type B underlay	m	82		
5	Hips of tiles to match roofing tiles, bedded and pointed in 1:3 tinted cement mortar, including 300mm wide strip of 375 micron embossed dampproof course in accordance with SANS 952 Type B underlay, raking cutting to tiles on both sides and necessary additional battens	m	68		
6	Extra over for purpose made tile to end of ridge	No	8		
7	Extra over for purpose made tile at intersection between ridge and two hips	No	8		
	<u>EXISTING GALVANISED IRON ROOF AND WALL SHEETING</u>				
	Carried to Collection				
	Repairs and renovations to existing buildings				
	Bill No. 6				
	Roof coverings, claddings, etc				

	<u>IBR galvanised roof and wall sheeting</u>				
8	Carefully examine entire roof areas and locate leaks with particular attention given to roof leaks where marks are visible on walls and ceilings. Locate holes and solder. Replace defective screws using longer screws where purlins are fixed on edge, and 6mm bolts where purlins are fixed on flat. Beat into corrugations damaged or buckled edges, fix in position where necessary using self- tapping screws, roofing screws or verandah bolts. Similarly examine all flashing, ridging and valley linings, repair and refix loose sections, as for roof covering.	m ²	398		
	<u>NEW PROFILED METAL SHEETING AND ACCESSORIES IN PATCHES</u>				
	<u>0,58mm Z275 galvanised spelter IBR profile steel sheeting and accessories fixed to steel structure</u>				
9	Roof covering with pitch not exceeding 25 degrees	m ²	76		
10	Side cladding	m ²	43		
	<u>0,58mm Z200 spelter ISQ550 galvanised IBR profile roof sheeting in single lengths with factory applied paint finish with Dove Grey top coat and Pebble Grey backing coat, fixed to steel purlins</u>				
11	Roof covering with pitch not exceeding 25 degrees, in transportable lengths not exceeding 20m	m ²	55		
	<u>0,58mm Z200 spelter ISQ550 galvanised IBR profile roof sheeting in single lengths with factory applied paint finish with Dove Grey top coat and Pebble Grey backing coat, fixed to timber purlins</u>				
12	Roof covering with pitch not exceeding 25 degrees, in transportable lengths not exceeding 20m	m ²	111		
	<u>0,58mm Z200 spelter ISQ550 galvanised steel sheet accessories to preceding roof coverings with factory applied paint finish with Dove Grey top coat and Pebble Grey backing coat</u>				
13	Cover flashings	m ²	19		
14	Stepped cover flashings to roof pitches exceeding 25 degrees	m ²	21		
15	Valley gutter 616mm girth 4 times bent along girth and notched on site to suit roof profile	m	47		
	Carried to Collection			R	
	Repairs and renovations to existing buildings				
	Bill No. 6				
	Roof coverings, claddings, etc				

16	Side wall flashing 408mm girth two times bent	m	43		
17	Headwall Flash 375mm girth 2 times bent and notched on site to suit roof profile	m	39		
<p><u>TILE UNDERLAY</u></p> <p><u>Tile underlay of multi-layered reinforced aluminium foil faced one side sheeting in accordance with SANS 1381-4 with a mass of not less than 218g/m² and a Class I fire rating in accordance with SANS 0177-3 fixed under battens with minimum laps of 150mm</u></p>					
18	Tile underlay insulation sheeting laid taut under purlins (at approximately 400mm centres) and fixed concurrent with roof covering with minimum 150mm stapled laps including galvanised steel straining wires at not exceeding 400mm centres and double-sided tape at edges where required	m²	1 195		
<p style="text-align: right;">Carried to Collection</p> <p>Repairs and renovations to existing buildings Bill No. 6 Roof coverings, claddings, etc</p>				R	

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Item No		Unit	Quantity	Rate	Amount R
	<p><u>SECTION NO. 2</u></p> <p><u>BILL NO. 7</u></p> <p><u>CARPENTRY AND JOINERY</u></p> <p>NOTE : Tenderers are advised to study the 'Specification of Materials and Methods to be used' (PW 371-A and B) before pricing this bill</p> <p><u>TIMBER</u></p> <p>All softwood to be <u>South African Pine</u></p> <p><u>Fixing</u></p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete</p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere</p> <p><u>Decorative thermosetting plastic laminate covering</u></p> <p>Laminate covering shall be glued under pressure and edge strips of same shall be butt jointed at junctions with adjacent similar finish</p> <p><u>STRUCTURAL TIMBERWORK ETC</u></p> <p><u>Wrought Softwood</u></p>				
1	38 x 38mm Battens in patches (provisional)	m	2 868		
2	38 x 50mm Battens in patches (provisional)	m	1 912		
3	38 x 114mm Bolted roof truss members in lengths not exceeding 2,4m (provisional)	m	144		
	<u>Roof sundries</u>				
4	Hurricane clip or similar approved galvanised purlin clip for new battens (provisional)	No	9 561		
	Carried to Collection				
	Repairs and renovations to existing buildings				
	Bill No. 7				
	Carpentry and joinery				

5	64mm Diameter split ring timber connector including cutting grooves in timber	No	25		
6	High tensile bolts, nuts and washers	kg	50		
<u>PLATE NAILED TIMBER ROOF TRUSS CONSTRUCTION ETC</u>					
<u>SUPPLEMENTARY PREAMBLES</u>					
Trusses are at maximum 1200mm centres					
Roof covering is type 0,58mm Nu-Rib profile steel sheeting on purlins					
The ceilings is 9,5mm gypsum plasterboard ceiling boards with gypsum plaster skimming on 38 x 38mm timber brandering					
Dimensions in descriptions of trusses are nominal and actual measurements are to be obtained from the architect/engineer and/or taken on site before design or fabrication commences					
<u>Engineer's design and certificate of approval</u>					
7	Allow for the design of prefabricated metal connector timber roof trusses by a registered professional engineer as well as the issuing of a certificate of approval by a independent engineer with regard to design, manufacturing and erection of these trusses			Item	
<u>Wrought softwood</u>					
8	Roof construction to double pitch roof size 4760mm long x 2580mm wide x 500mm high with 500mm over hang on all sides and double hip end on both sides, including wall plates, trusses, jack rafters, permanent bracing, purlins, connector plates, gang boarding, purlin ties, hurricane clips, etc. manufactured and erected complete in accordance the design (fascias and gutters elsewhere)	No	1		
<u>EAVES COVERING, FASCIAS AND BARGEBOARDS</u>					
				R	
Carried to Collection					
Repairs and renovations to existing buildings					
Bill No. 7					
Carpentry and joinery					

	<u>Wrought softwood</u>					
9	Slatted eaves soffit covering of 32 x 69mm wide slats at 80mm centres fixed to truss overhang beams, including chicken wire netting fixed between slats and truss beams	m ²	227			
	<u>Pressed fibre cement</u>					
10	15 x 225mm Fascias and barge boards, including aluminium H-profile jointing strips	m	227			
	<u>SKIRTINGS</u>					
	<u>Wrought Meranti</u>					
11	19 x 76mm Skirting, including 19mm quarter round plugged and pelleted to wall	m	529			
12	19 x 76mm Dado rail with rounded edges plugged and pelleted to wall	m	594			
13	19 x 75mm Skirting, including 19mm quarter round plugged and pelleted to gypsum partition wall	m	41			
	<u>DOORS</u>					
	<u>Solid laminated flush doors with hardwood veneer on both sides and hardwood edges</u>					
14	40mm Door 813 x 2032mm high	No	44			
15	40mm Door 864 x 2032mm high	No	1			
	<u>Wrought Meranti</u>					
16	44mm CKS Framed, ledged and braced batten door 813 x 2032mm high of 44 x 150mm wide top rail and stiles, 22 x 150mm middle ledge and braces and 44 x 230mm bottom rail, filled in with 22mm tongued and grooved V-jointed one side vertical boarding with tongued and grooved joints to top rail and stiles and with inner edges of framing and abutting edges of boarding chamfered to form V-joint one side and filled in at back with 6 mm plywood panel with veneer to match door let into and including rebates all round and provided with 75 x 32mm rebated, splayed and grooved weather board fixed in groove near bottom edge	No	3			
	<u>NOTICE BOARDS</u>					
	Carried to Collection				R	
	Repairs and renovations to existing buildings Bill No. 7 Carpentry and joinery					

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

<p><u>Joinery</u></p> <p>Descriptions of frames shall be deemed to include frames, transomes, rails, etc</p> <p>Descriptions of hardwood joinery shall be deemed to include sinking and pelleting heads and nuts of bolts</p> <p><u>Decorative thermosetting plastic laminate covering</u></p> <p>Laminate covering shall be glued under pressure and edge strips of same shall be butt jointed at junctions with adjacent similar finish</p> <p><u>THE FOLLOWING IN CUPBOARDS IN KITCHENS</u></p> <p><u>Wrought Hardwood</u></p>					
1	25 x 45mm Bearers planted on	m	22		
2	25 x 45mm Bearers plugged	m	14		
3	12 x 19mm Edge strips planted on	m	130		
<u>Tempered hardboard</u>					
4	4mm Backboards	m ²	5		
<u>Medium density fibre board with melamine veneer both sides and edges</u>					
5	19mm Framed shelves, bottoms, sides and skirting	m ²	33		
6	19mm Framed sides and skirting plugged and pelleted	m ²	1		
<u>Medium density fibre board with melamine veneer both sides and edges</u>					
7	19mm Door size 580 x 780mm high with 12 x 19mm hardwood edge strips all round	No	8		
<u>Drawers</u>					
8	Drawer 580mm wide x 243mm high x 600mm long externally of 19mm medium density fibre board in front, sides, back and bottom and 580mm wide x 243mm high front with melamine veneer finish both sides and on exposed edges	No	6		
Carried to Collection					
Repairs and renovations to existing buildings					
Bill No. 8					
Joinery					

	<u>Caesarstone quarts</u>				
9	30mm Thick x 600mm wide worktop	m	6		
10	Extra over for hole in worktop for sink size 1500 x 535mm (sink elsewhere measured)	No	2		
	<u>Ironmongery</u>				
11	Brass two lever cupboard lock including escutcheon	No	8		
12	Brass two lever drawer cupboard lock including escutcheon	No	6		
13	Chromium plated concealed spring loaded self-closing A-grade cupboard hinge and fitting in circular recess	No	16		
14	100mm Anodised aluminium pull handle	No	14		
15	One pair of 380mm extruded aluminium telescopic drawer slides with positive stops	No	6		
16	100mm Brass necked barrel bolt	No	8		
17	Double roller catch with polyurethane rollers	No	8		
	<u>THE FOLLOWING IN RECEPTION COUNTER</u>				
	<u>Wrought Hardwood</u>				
18	25 x 45mm Bearers planted on	m	20		
19	12 x 19mm Edge strips planted on	m	45		
	<u>Medium density fibre board with melamine veneer both sides and edges</u>				
20	19mm Framed front, sides and divisions	m ²	12		
	<u>Caesarstone quarts</u>				
21	30mm Thick x 1200mm wide worktop	m	5		
	<u>CEILING BULKHEAD</u>				
22	50 x 150mm Ceiling joists and beams	m	76		
23	50 x 50mm Hangers	m	31		
24	50 x 150mm Galvanised truss beam hanger	No	36		
	Carried to Collection			R	
	Repairs and renovations to existing buildings				
	Bill No. 8				
	Joinery				

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

29	Extra over partitions for bottom track plugged to concrete floor	m	4		
30	Extra over partitions for 89mm bronze anodised drywall aluminium head channel on edges	m	13		
31	Extra over partitions for 89mm bronze anodised drywall aluminium head channel on rounded edges	m	3		
<u>ALUMINIUM DOORS AND SHOPFRONTS</u>					
<u>Bronze anodised windows, complete with subframes, ironmongery, glass, sealing, etc and fixing to brickwork or concrete</u>					
32	Purpose made security window, fitted with 6,5mm laminated safety glass, with three mullions to form 4 fixed panes, over all size 5040 x 1910mm high	No	1		
<u>THE FOLLOWING COUNTER WORK TOPS IN THE ABLUTIONS</u>					
<u>Caesarstone</u>					
33	32mm Thick x 600mm wide worktop	m	5		
34	32mm Thick x 300mm wide fascia	m	6		
35	Extra over for hole in worktop for basin size 460 x 390mm (basins elsewhere measured)	No	4		
<u>Mild steel</u>					
36	Angle iron bracket	kg	118		
37	10mm Expansion bolt	No	20		
<u>One coat alkyd based zinc phosphate primer, one coat alkyd based universal undercoat and two coats premium quality polyurethane enamel paint</u>					
38	Rails, bars, pipes, etc not exceeding 300mm girth	m	31		
				R	
Carried to Collection Repairs and renovations to existing buildings Bill No. 8 Joinery					

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Item No		Unit	Quantity	Rate	Amount R
	<p><u>SECTION NO. 2</u></p> <p><u>BILL NO. 9</u></p> <p><u>CEILINGS AND PARTITIONS</u></p> <p>NOTE : Tenderers are advised to study the 'Specification of Materials and Methods to be used' (PW 371-A and B) before pricing this bill</p> <p><u>Fixing</u></p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete</p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere</p> <p><u>Ceilings</u></p> <p>Unless otherwise described ceilings shall be deemed to be horizontal</p> <p><u>Bulkheads</u></p> <p>Unless otherwise described bulkheads shall be deemed to be horizontal along the length</p> <p><u>Steel components</u></p> <p>All steel components for ceilings, partitions, etc are to be galvanised in accordance with SANS 121</p> <p><u>CEILING TIMBERS, BEADS, INSULATION, ETC</u></p> <p><u>Non-combustible white thermally bonded synthetic polyester insulation of a density of not less than 10kg/m3 bonded with an inert thermosetting resin and shall comply with SABS Specification 1381 and Class 1 fire index rating</u></p> <p>1 135mm Insulation in blanket form closely fitted and laid on top of branderling between roof timbers etc</p> <p><u>NAILED-UP CEILINGS</u></p> <p style="text-align: right;">Carried to Collection</p> <p>Repairs and renovations to existing buildings Bill No. 9 Ceilings and partitions</p>	m ²	776		
				R	

<u>SUPPLEMENTARY PREAMBLES</u>						
<u>Openings</u>						
Prices for openings for light fittings, ventilation grilles, air conditioning diffusers, etc are to include for any necessary additional support, trimming around, etc						
<u>6.4mm Gypsum plasterboard with taped joints and the whole finished with gypsum plaster trowelled to a smooth polished surface to the thickness recommended by the manufacturer</u>						
2	Ceilings including 38 x 38mm sawn softwood brandering at 300mm centres and across at joints	m²	15			
3	Opening for 212mm diameter down lighter (provisional)	No	4			
<u>6mm Fibre cement boards with galvanised H-type pressed steel jointing strips</u>						
4	Ceilings including 38 x 38mm sawn softwood brandering at 300mm centres and across at joints	m²	60			
5	Extra over ceiling for opening for 600 x 1200mm light fitting (provisional)	No	5			
6	Extra over ceiling for 600 x 600 mm hinged standard pressed steel ceiling trap door (provisional)	No	2			
<u>Gypsum plasterboard cornices</u>						
7	Standard 75mm Rhinoboard coved cornice	m	22			
<u>Wrought Meranti</u>						
8	19 x 76mm Cornice, including 19mm quarter round plugged and pelleted to wall	m	22			
<u>SUSPENDED CEILINGS</u>						
<u>SUPPLEMENTARY PREAMBLES</u>						
<u>Proprietary suspended ceilings</u>						
Hangers, suspension grids, "lay-in" panels, etc are to be in accordance with the manufacturers' recommendations						
Carried to Collection					R	
Repairs and renovations to existing buildings						
Bill No. 9						
Ceilings and partitions						

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

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Item No		Unit	Quantity	Rate	Amount R
	<u>SECTION NO. 2</u> <u>BILL NO. 10</u> <u>IRONMONGERY</u> NOTE : Tenderers are advised to study the 'Specification of Materials and Methods to be used' (PW 371-A and B) before pricing this bill <u>SUPPLEMENTARY PREAMBLES</u> <u>Finishes to ironmongery</u> Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list: BS Satin bronze lacquered CH Chromium plated SC Satin chromium plated SE Silver enamelled GE Grey enamelled AS Anodised silver AB Anodised bronze AG Anodised gold ABL Anodised black PB Polished brass PL Polished and lacquered PT Epoxy coated SD Sanded <u>HINGES, BOLTS, ETC</u> 1 100 x 75mm Stainless steel medium duty flush butt hinges 2 150mm Brass barrel bolt and keep 3 100mm Brass necked barrel bolt 4 Aluminium helping hand facility indicator bolt 5 Aluminium morticed bathroom WC indicator bolt <u>CATCHES, CABIN HOOKS, ETC</u> 6 250mm Brass peg stay, including screw 7 150mm Brass sliding stay, including screws <div>Carried to Collection</div> Repairs and renovations to existing buildings Bill No. 10 Ironmongery				
		No	171		
		No	2		
		No	2		
		No	1		
		No	9		
		No	35		
		No	58		
				R	

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

19	150 x 150mm Black printed brushed aluminium plate with male or female symbol	No	4		
20	150 x 150mm Black printed brushed aluminium plate with paraplegic symbol	No	1		
21	150 x 150mm Red printed brushed aluminium plate with fire exit, fire extinguisher, fire hose reel or fire hydrant symbol	No	52		
22	300 x 300mm Black printed brushed aluminium name plate	No	37		
<u>BATHROOM AND KITCHEN FITTINGS</u>					
23	304 x 100 x 134mm Stainless steel soap dispenser	No	6		
24	304 x 156 x 140mm Stainless steel lockable double toilet holder	No	12		
25	300 x 134 x 305mm Stainless steel paper towel dispenser	No	4		
26	410 x 205 x 380mm Stainless steel waste bin with 180mm radius front	No	4		
27	304 x 205 x 134mm Stainless steel sanitary towel disposal bin	No	4		
28	Horizontal wall mounted baby changing station	No	2		
29	Automatic sensor operated wall mounting hand dryer size 280 x 207 x 245, manufactured from (18/10) 1,2mm stainless steel, satin finish, automatic cut-off, warm air output of 28m/s at 65°C, adjustable sensitivity from 100 to 300mm, vandal resistant lock, screws and key wrench, connection voltage 230 V, 50Hz, watts 2,2/2,4 kW, motor 200W Motor with 5500 RPM	No	4		
<u>Grab rails formed of non-slip silver anodised 32mm diameter x 1.6mm round section rails and 75mm diameter x 4mm flat section fixing flanges each three times holed and plugged to walls with M12 stainless steel fixing screws</u>					
30	32mm grab rail 300mm long with two 300mm return ends plugged	No	2		
31	32mm grab rail 750mm long with two 250mm return ends plugged	No	1		
Carried to Collection				R	
Repairs and renovations to existing buildings Bill No. 10 Ironmongery					

32	32mm grab rail 900mm long, divided into three equal parts, bent twice at 45° with centre flange and two 80mm return ends plugged	No	1		
	<u>SUNDRIES</u>				
33	Aluminium rubber buffer door stop	No	58		
34	Aluminium hat and coat hook including 70 x 70 x 20mm chamfered meranti block twice varnished and plugged and pelleted (provisional)	No	10		
35	Set of three aluminium hat and coat hooks including 70 x 500 x 20mm chamfered meranti block twice varnished and plugged and pelleted (provisional)	No	3		
36	Chromium plated single toilet paper holder	No	12		
37	19mm Diameter chromium plated towel rail 800mm long including end brackets, plugged	No	9		
38	Plastic key tag with 25mm diameter chromium plated split ring	No	92		
39	3 x 50mm Flat section brass dividing strips between differing floor finishes	m	7		
40	Powder coated lockable steel key cabinets for 50 keys size each size 395mm long x 50mm wide x 520mm high	No	2		
	<u>HORIZONTAL BLINDS (PROVISIONAL)</u>				
	<u>Aluminium Venetian horizontal blinds, slat thickness 0,21mm thick and 24mm wide coloured curved louvres , with matching aluminium powder coated top and bottom tracks with stainless steel separator pins, with adjustable strings, turning knobs, etc.</u>				
	<u>Soffit mounted blinds</u>				
41	Blinds for internal opening size 533 x 654mm	No	10.00		
42	Blinds for internal opening size 533 x 1854mm	No	4.00		
43	Blinds for internal opening size 600 x 900mm	No	2.00		
44	Blinds for internal opening size 1022 x 1854mm	No	37.00		
45	Blinds for internal opening size 1022 x 949mm	No	2.00		
	Carried to Collection			R	
	Repairs and renovations to existing buildings				
	Bill No. 10				
	Ironmongery				

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Item No		Unit	Quantity	Rate	Amount R
	<u>SECTION NO. 2</u>				
	<u>BILL NO. 11</u>				
	<u>METALWORK</u>				
	NOTE : Tenderers are advised to study the 'Specification of Materials and Methods to be used' (PW 371-A and B) before pricing this bill				
	<u>SUPPLEMENTARY PREAMBLES</u>				
	<u>Descriptions of bolts, anchors, etc</u>				
	Descriptions of bolts shall be deemed to include nuts and washers				
	Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete				
	Items described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described				
	Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres				
	<u>MILD STEEL</u>				
1	40 x 60 x 2,5mm Hollow section beam including 8mm diameter mild steel bar welded on top of beam and cast in concrete ground beam for sliding gates (concrete ground beam elsewhere measured)	kg	540		
2	305 x 102mm x 24,5kg/m I-section beam with base plates	kg	118		
3	150 x 50 x 20 x 2,5mm Lip channel beams, purlins, cleats and connection plates	kg	443		
4	75 x 75 x 2,5mm Hollow section column, including foot and head plates	kg	275		
5	M12mm Diameter expansion bolt	No	8		
6	M12 x 75mm Chemical anchors	No	8		
	Carried to Collection				
	Repairs and renovations to existing buildings				
	Bill No. 11				
	Metalwork				

7	16mm Diameter L-shaped threaded anchor bolt 600mm girth embedded in top of concrete	No	16		
	<u>WELDED STEEL GRILLE SCREENS, GATES, ETC</u>				
8	Single gate formed of 25 x 50 x 2mm hollow section frame and two horizontal rails and filled in with 12mm diameter solid vertical rails at 100mm centres. Locking box formed of 3mm thick flat section steel size 160 x 125 x 40mm, including seven lever upright double throw security mortice lock, including barrel bolt fixed to bottom of gate, including gate holder formed of 60 x 60 x 6mm flat section twice holed and bolted to concrete floor with two 8mm expansion bolts, and once holed for keep. Gate fixed to hollow section surround frame with three 20 x 70mm diameter bullet hinges. Surround frame formed of 25 x 50 x 2,5mm hollow section frame and bolted to brickwork at 300mm centres with 8mm bolts, overall gate size 1040 x 2140mm high.	No	1		
9	Double gate with each leave formed of 25 x 50 x 2mm hollow section frame and two horizontal rails and filled in with 12mm diameter solid vertical rails at 100mm centres. Locking box formed of 3mm thick flat section steel size 160 x 125 x 40mm, including seven lever upright double throw security mortice lock, including barrel bolts fixed to bottom of gates, including two gate holders formed of 60 x 60 x 6mm flat section twice holed and bolted to concrete floor with two 8mm expansion bolts, and holed for keep. Each gate fixed to hollow section surround frame with three 20 x 70mm diameter bullet hinges. Surround frame formed of 25 x 50 x 2,5mm hollow section frame and bolted to brickwork at 300mm centres with 8mm bolts, overall gate size 1650 x 2140mm high	No	4		
10	Double steel garage door with each leave formed of 25 x 50 x 2mm hollow section frame and one horizontal rail and including covering whole door with 0,58mm Z200 spelter ISQ550 galvanised IBR profile sheeting in single lengths with factory applied paint finish with Dove Grey top coat and Pebble Grey backing coat, fixed to frame and rail of doors, including locking device and padlock, including barrel bolts fixed to bottom of doors, including two door holders formed of 60 x 60 x 6mm flat section twice holed and bolted to concrete floor with two 8mm expansion bolts, and holed for keep. Each door fixed to hollow section surround frame with three 20 x 70mm diameter bullet hinges. Surround frame formed of 25 x 50 x 2,5mm hollow section frame and bolted to brickwork at 300mm centres with 8mm bolts, overall size 2560 x 2810mm high	No	2		
	Carried to Collection			R	
	Repairs and renovations to existing buildings				
	Bill No. 11				
	Metalwork				

11	Repair and replace existing 40 x 60 x 2,5mm hollow section bottom rail of existing sliding gate	kg	8		
12	Sliding vehicle gate size 4000 x 3000mm high (overall), formed of 75 x 50 x 2,5mm hollow section frame, filled in with 30 x 30 x 3mm angle section vertical devils fork bars at maximum 130mm centres, including two 75mm diameter brass wheels with lubricated ball bearings, 50 x 50 x 5mm U-section stop lug with hole for padlock welded to portal guide post and 50 x 50 x 5mm angle iron with hole for padlock welded to top of gate frame, including 40mm brass padlock	No	4		
13	Sliding vehicle gate size 8000 x 3000mm high (overall), formed of 75 x 50 x 2,5mm hollow section frame, filled in with 30 x 30 x 3mm angle section vertical devils fork bars at maximum 130mm centres, including two 75mm diameter brass wheels with lubricated ball bearings, 50 x 50 x 5mm U-section stop lug with hole for padlock welded to portal guide post and 50 x 50 x 5mm angle iron with hole for padlock welded to top of gate frame, including 40mm brass padlock	No	1		
14	Pedestrian gate size 800 x 2000mm high (overall), formed of 75 x 50 x 2,5mm hollow section frame, filled in with 30 x 30 x 3mm angle section vertical devils fork bars at maximum 130mm centres, including two heavy duty hinges and 50 x 50 x 5mm U-section stop lug with hole for padlock welded to portal guide post and 50 x 50 x 5mm angle iron with hole for padlock welded to top of gate frame, including 40mm brass padlock	No	1		
15	Service existing sliding gate and provide new 50mm padlock	No	10		
<u>PRESSED STEEL DOOR FRAMES</u>					
<u>1.2 mm Double rebated frame suitable for half brick wall</u>					
16	Frame for door 813 x 2032 mm high	No	9		
17	Frame for door 813 x 2032mm high and fixed fanlight 305mm high	No	4		
<u>1.2 mm Double rebated frame suitable for one brick wall</u>					
18	Frame for door 813 x 2032 mm high	No	8		
19	Frame for door 864 x 2032 mm high	No	1		
Carried to Collection				R	
Repairs and renovations to existing buildings					
Bill No. 11					
Metalwork					

20	Frame for door 813 x 2032mm high and fixed fanlight 305mm high	No	26		
	<u>STEEL WINDOWS, DOORS, ETC</u>				
	<u>Standard residential windows with 20 x 5mm flat bar NBP2 burglar bars to opening and fixed sashes</u>				
21	Window type NCT1S size 533 x 949mm high	No	2		
22	Window type NCT2S size 1022 x 949mm	No	1		
	<u>Service existing steel windows and gates</u>				
23	Service existing window top hung open section, remove old painting, oil and grease hinges and adjust to open and close freely. Clean, polish and adjust brass peg stay.	No	70		
24	Service existing window side hung open section, remove old painting, oil and grease hinges and adjust to open and close freely. Clean, polish and adjust brass sliding stay and handle.	No	116		
	<u>ALUMINIUM WINDOWS, DOORS, ETC</u>				
	<u>SUPPLEMENTARY PREAMBLES</u>				
	<u>Aluminium doors, windows, etc</u>				
	Doors and windows shall comply with AAAMSA design criteria				
	Glazing shall comply with SAGGA regulations. <u>Glass shall be type 6,5mm laminated safety performance glass in all windows and doors.</u> Glass thickness shall comply with SAGGA regulations irrespective of thickness's shown on the schedules/drawings				
	Doors and windows shall be supplied with protective tape and plastic and shall be removed only once surrounding trades have been completed				
	Carried to Collection			R	
	Repairs and renovations to existing buildings				
	Bill No. 11				
	Metalwork				

	<p>The following certificates shall be provided prior to commencement of site work:</p> <ol style="list-style-type: none"> 1 A copy of the relevant AAAMSA Performance Test Certificate from the manufacturer/contractor supplying the architectural aluminium product 2 A Certificate of Conformance confirming that anodising or powder coating has been processed in accordance with SANS 999 and SANS 1796 respectively 3 A Certificate of Conformance confirming that glazing has been installed in accordance with SANS 0137, ensuring that safety glazing materials have been installed in the mandatory areas and that each individual pane of safety glazing materials has been permanently marked 4 A warranty from the manufacturer of the laminated safety glass and/or hermetically sealed glazing units guaranteeing the products against delamination and colour degradation for a period of not less than five years <p><u>ALUMINIUM DOORS AND SHOPFRONTS</u></p> <p><u>Bronze anodised doors and shopfronts, complete with subframes, ironmongery, glass, sealing, etc and fixing to brickwork or concrete</u></p>					
25	Single door in one pane, with fitted with 6,5mm laminated safety glass, including 3 hinges, double cylinder lock and anodised door handles, size 900 x 2100mm high	No	1			
26	Double door, each door has a middle rail to form two panes, fitted with 6,5mm laminated safety glass, including 3 hinges to each door, double cylinder lock and anodised door handles, one pair 150mm anodised flush bolts, overall size 1524 x 2134mm high	No	4			
27	Purpose made shopfront, fitted with 6,5mm laminated safety glass, with one transome and one mullion to form 3 fixed panes, with one single door size 1025 x 2400mm high, including 3 hinges, double cylinder lock with anodised door handles, over all size 2200 x 3200mm high	No	1			
28	Purpose made shopfront, fitted with 6,5mm laminated safety glass, with one transome and one mullion to form 4 fixed panes, over all size 2500 x 3200mm high	No	1			
	Carried to Collection				R	
	Repairs and renovations to existing buildings					
	Bill No. 11					
	Metalwork					

[illegible]

3	Fair exposed cutting and fitting around pipe not exceeding 100mm internal diameter	No	55
4	Fair exposed cutting and fitting around pipe exceeding 100mm and not exceeding 150mm internal diameter	No	12
	<u>600 x 600 x 8mm Grade A coloured porcelain floor tiles (PC R300/m²) fixed with adhesive to screed (screed elsewhere) and flush pointed with tinted waterproof grout</u>		
5	On floors	m²	715
6	Skirting 600mm high on walls	m²	57
7	Skirting 100mm high on walls	m	23
8	Fair exposed cutting and fitting around pipe not exceeding 100mm internal diameter	No	9
	<u>Aluminium corner protectors, stair nosing's, expansion joint strips, etc</u>		
9	13mm Wall edge trim	m	24
10	Expansion Joint PVC Light Grey 10mm	m	1 042
Carried to Collection			
Repairs and renovations to existing buildings Bill No. 12 Tiling			

[illegible]

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

	<p><u>Copper pipes</u></p> <p>Pipes shall be hard drawn and half-hard copper pipes of the class described. Class 0 (thin walled hard drawn) pipes shall not be bent. Class 1 (thin walled half-hard), Class 2 (half-hard) and Class 3 (heavy walled half-hard) pipes shall only be bent with benders with inner and outer formers. Fittings to copper waste, vent and anti-syphon pipes, capillary solder fittings and compression fittings shall be "Cobra Watertech" type. Capillary solder fittings shall comply with ISO 2016</p> <p>Copper pipes are to be installed in accordance with the latest revision of the Code of Practice for Copper Plumbing soldering techniques. Flux, solder, etc to be strictly in accordance with the manufacturer's requirements with special attention to copper flux composition</p> <p><u>Reducing fittings</u></p> <p>Where fittings have reducing ends or branches they are described as "reducing" and only the largest end or branch size is given. Should the contractor wish to use other fittings and bushes or reducers he may do so on the understanding that no claim in this regard will be entertained</p> <p><u>Fixing of pipes</u></p> <p>Unless specifically otherwise stated, descriptions of pipes shall be deemed to include fixing to walls, etc, casting in, building in or suspending not exceeding 1m below suspension level</p> <p><u>Paper wrapping to pipes</u></p> <p>Pipes chased into brickwork must be wrapped with two layers of stout brown paper tied with wire. Rates are to include for wrapping around joints and fittings</p> <p><u>Disinfection of water pipework</u></p> <p>Water pipework is to be disinfected at completion in accordance with SABS 1200L (provision for disinfection elsewhere)</p> <p style="text-align: right;">Carried to Collection</p> <p>Repairs and renovations to existing buildings Bill No. 13 Plumbing and drainage</p>				
				R	

<p><u>General</u></p> <p>Descriptions of cast iron roof outlets shall be deemed to include joints to pipes and casting into concrete (adaptors for joints to PVC pipes, etc are given separately)</p> <p>Descriptions of overflow pipes where measured in number, shall be deemed to include joints to cisterns and splay cut ends</p> <p>Descriptions of pipes laid in and including trenches and of inspection chambers, catch pits, etc shall be deemed to include excavation, bedding, backfilling, compaction to a minimum of 90% Mod AASHTO density and disposal of surplus material on site</p> <p>Descriptions of service pipes and flexible connecting pipes shall be deemed to include connections to taps, cisterns, etc and to steel pipes (adaptors for connections to copper pipes, etc are given separately)</p> <p>Descriptions of WC pans, slop hoppers, etc shall be deemed to include for joints to soil pipes (pan connectors are separately measured)</p> <p><u>RAINWATER DISPOSAL</u></p> <p><u>0,5mm Armour Grey Colorbond factory coated Zincalum seamless gutters and rainwater down pipes</u></p>						
1	125 x 85mm Ogee profile eaves gutters fixed to timber rafters	m	234			
2	Extra over eaves gutter for stopped end	No	2			
3	Extra over eaves gutter for angle	No	27			
4	Extra over eaves gutter for outlet for 80mm diameter pipe	No	26			
5	80mm Diameter rainwater pipes, fixed to walls	m	156			
6	Extra over rainwater pipe for shoe	No	26			
7	Extra over rainwater pipe for eaves or plinth offset	No	26			
<p><u>SANITARY FITTINGS</u></p>						
<p style="text-align: right;">Carried to Collection</p>					R	
<p>Repairs and renovations to existing buildings Bill No. 13 Plumbing and drainage</p>						

	<u>Grade 304 (18/10) stainless steel</u>					
8	1500 x 435mm Inset stainless steel sink with double bowls on cupboard (cupboard elsewhere)	No	2			
	<u>White vitreous china</u>					
9	560 x 405mm White vitreous china wash hand basin and pedestal	No	4			
10	560 x 390mm White vitreous china oval drop in vanity wash hand basin with semi punched tap holes	No	4			
11	520 x 435 x 250mm White vitreous china wash hand basin with semi-punched tap holes bolted to wall	No	1			
12	White vitreous china close coupled wash down pan and matching 7 litre porcelain cistern complete with lid, fitments and sealing rings, with heavy duty plastic double flap seat and lid, installation to be according to manufacturers specifications	No	11			
13	White vitreous china paraplegic paraplegic 90° outlet P-trap wash down pan with matching 9 litre cistern complete with heavy duty white double flap seat and lid, fitments and purpose made chromium plated side flush lever mounted on wall adjacent to cistern, installation according to manufacturers specifications complete with chromium plated fixing bolts	No	1			
14	White vitreous china urinal mounted to wall with two hanger brackets and with top inlet, supplied with 38mm chromium plated domical grating, chromium spreader, complete with flush pipe connector and outlet flange with rubber seal and chromium plated bolts with flush pipe, installation according to manufacturers specifications. (flush valve elsewhere measured)	No	2			
15	White vitreous china urinal division size 310 x 610 x 140mm fixed to wall	No	2			
	<u>WASTE UNIONS ETC</u>					
	<u>Waste unions, etc. with plug and chromium plated chain</u>					
16	32mm Chromium plated basin waste union	No	9			
17	40mm Chromium plated sink waste union	No	4			
	Carried to Collection				R	
	Repairs and renovations to existing buildings					
	Bill No. 13					
	Plumbing and drainage					

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

	<u>SANITARY PLUMBING</u>					
	<u>uPVC soil and vent pipes</u>					
38	50mm Pipes	m	26			
39	110mm Pipes	m	48			
40	50mm Pipes chased into concrete floor and making good concrete floor	m	39			
	<u>Extra over uPVC soil and vent pipes for fittings</u>					
41	110mm Pan connector	No	12			
42	110mm Bend pan connector	No	1			
43	50mm Bend	No	26			
44	50mm Access bend	No	52			
45	110mm Access bend	No	36			
46	110mm Access bend with anti-syphon horn	No	12			
47	50mm Access junction	No	26			
48	110mm Access junction	No	24			
49	110mm Access reducing junction	No	24			
50	50mm Air vent cowl	No	10			
51	110mm Air vent cowl	No	12			
	<u>Class 2 copper pipes</u>					
52	15mm Pipes	m	18			
53	15mm Pipes chased into brickwork including brown paper lagging and making good plastering	m	63			
54	22mm Pipes	m	160			
55	22mm Pipes chased into brickwork including brown paper lagging and making good plastering	m	143			
56	28mm Pipes	m	60			
	Carried to Collection				R	
	Repairs and renovations to existing buildings					
	Bill No. 13					
	Plumbing and drainage					

57	28mm Pipes chased into brickwork including brown paper lagging and making good plastering	m	140
	<u>Extra over Class 2 copper pipes for capillary fittings</u>		
58	15mm Fittings	No	124
59	22mm Fittings	No	148
60	28mm Fittings	No	72
	<u>Extra over Class 2 copper pipes for brass compression fittings</u>		
61	15mm Fittings	No	108
62	22mm Fittings	No	92
63	28mm Fittings	No	32
	<u>Galvanized mild steel pipes</u>		
64	25mm Pipes	m	240
	<u>Extra over galvanized mild steel pipes for fittings</u>		
65	25mm Fittings	No	40
	<u>Flexible service pipes</u>		
66	15mm Service pipe 350mm girth	No	34
	<u>Testing</u>		
67	Provide all necessary apparatus water, etc for and test the whole of the Sanitary Plumbing and Water Supply installation to the satisfaction of the Representative/Agent and Municipality, replace any defective work free of charge and leave perfect		Item
	<u>ELECTRIC WATER HEATERS</u>		
68	150 Litre wall or floor mounted electric water heater	No	1
69	15 Litre stainless steel hydroboil wall mounted electric water heater	No	2
	<u>DRIP TRAYS, TANKS, ETC</u>		
	Carried to Collection		
	Repairs and renovations to existing buildings Bill No. 13 Plumbing and drainage		

70	<u>Polyethylene geyser drip tray with 50mm PVC pipe adaptor</u>					
	Standard geyser tray to suit 150 litre geyser	No	3			
	<u>FIRE APPLIANCES ETC</u>					
	<u>One coat water based galvanised iron primer and two coats UV-resistant water based alkyd roof paint, on galvanised steel</u>					
	71 Fire hose reel with 30m rubber hose, chromium plated stopcock, shut-off nozzle and wall bracket, including galvanised sheet iron cupboard, prepare surfaces of cupboard, remove all loose material, dust, grease, salts and contamination with degreaser, rinse and apply galvanised iron primer and two coats Red High Gloss Enamel paint, fixed to wall	No	4			
	72 9kg DPC portable fire extinguisher in and including galvanised sheet iron cupboard, prepare surfaces of cupboard, remove all loose material, dust, grease, salts and contamination with degreaser, rinse and apply galvanised iron primer and two coats Red High Gloss Enamel paint, fixed to wall	No	2			
	73 5kg CO2 portable fire extinguisher in and including galvanised sheet iron cupboard, prepare surfaces of cupboard, remove all loose material, dust, grease, salts and contamination with degreaser, rinse and apply galvanised iron primer and two coats Red High Gloss Enamel paint, fixed to wall	No	20			
	<u>PIPE INSULATION</u>					
	<u>Synthetic foam rubber material pipe insulation</u>					
	74 Insulation 15mm thick to 15mm pipes	m	36			
75	Insulation 15mm thick to 22mm pipes	m	116			
	<u>Extra over pipe insulation for insulation around</u>					
76	15mm Fittings, valves, etc	No	18			
77	22mm Fittings, valves, etc	No	58			
	<u>HOLES, CHASING, ETC.</u>					
	Carried to Collection				R	
	Repairs and renovations to existing buildings					
	Bill No. 13					
	Plumbing and drainage					

	<u>Core drilling hole not exceeding 50mm diameter</u>					
78	One brick wall	No	61			
	<u>Core drilling hole exceeding 100mm and not exceeding 150mm diameter</u>					
79	One brick wall	No	12			

[illegible]

Unless otherwise described, mirrors shall be with four holes for and screwed to and including approved patent plugs in plastered or tiled wall with countersunk steel screws tap-threaded for and including screw type chromium plated dome headed caps and felt washers

5	Mirror size 450 x 600mm	No	8
6	Mirror size 450 x 900mm	No	1

Carried to Collection

Repairs and renovations to existing buildings
Bill No. 14
Glazing

[illegible]

Item No		Unit	Quantity	Rate	Amount R
	<p><u>SECTION NO. 2</u></p> <p><u>BILL NO. 15</u></p> <p><u>PAINTWORK</u></p> <p>NOTE : Tenderers are advised to study the 'Specification of Materials and Methods to be used' (PW 371-A and B) before pricing this bill</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>PREPARATORY WORK TO EXISTING WORK</u></p> <p><u>Previously painted plastered surfaces</u></p> <p>Surfaces shall be thoroughly washed down and allowed to dry completely before any paint is applied. Blistered or peeling paint shall be completely removed and cracks shall be opened, filled with a suitable filler and finished smooth</p> <p><u>Previously painted metal surfaces</u></p> <p>Surfaces shall be thoroughly rubbed and cleaned down. Blistered or peeling paint shall be completely removed down to bare metal</p> <p><u>Previously painted wood surfaces</u></p> <p>Surfaces shall be thoroughly cleaned down. Blistered or peeling paint shall be completely removed and cracks and crevices shall be primed, filled with suitable filler and finished smooth</p> <p><u>COLOURS</u></p> <p>Unless otherwise described paintwork on ceilings shall be deemed to be in the "White" colour group and paintwork on all other components shall be deemed to be in the "Pastel" colour group in accordance with the Natural Colour System (NCS) adopted by the SA National Standards</p> <p><u>PAINTWORK ETC TO NEW WORK</u></p> <p><u>ON INTERNAL FLOATED PLASTER SURFACES</u></p>				
	<p style="text-align: right;">Carried to Collection</p> <p>Repairs and renovations to existing buildings Bill No. 15 Paintwork</p>			R	

	<u>One coat alkali resistant primer and one coat bonding liquid and one under coat and two full coats premium quality polyurethane enamel paint</u>				
1	Walls	m ²	493		
	<u>ON EXTERNAL FLOATED PLASTER SURFACES</u>				
	<u>Remove any loose and flaking residue, wash with sugar soap, open up cracks and make good with flexible plaster filler sanded smooth apply one coat alkali resistant plaster primer to bare substrate areas and one coat bonding liquid and one under coat and two full coats extremely durable UV-resistant water based mica reinforced fine textured acrylic paint</u>				
2	Walls	m ²	4		
	<u>ON CONCRETE ROOF TILES</u>				
	<u>Clean the entire area thoroughly with soap detergent and rinse off thoroughly with clean water and allow to dry. Apply three coats UV-resistant water based alkyd roof paint, on concrete roof tiles</u>				
3	Concrete tile roofs (measured on flat)	m ²	1 195		
	<u>ON PLASTERBOARD SURFACES</u>				
	<u>One coat alkali resistant primer and two coats PVA emulsion paint for interior use</u>				
4	Ceilings and cornices, including priming metal cover strips and nail heads	m ²	15		
	<u>ON FIBRE-CEMENT BOARD SURFACES</u>				
	<u>One coat alkali resistant primer and one under coat and two coats premium quality smooth matt PVA acrylic copolymer emulsion paint</u>				
5	Ceilings and cornices, including priming metal cover strips and nail heads	m ²	60		
	<u>One coat alkali resistant primer and one under coat and two coats two coats UV-resistant water based alkyd roof paint</u>				
6	Fascias and barge boards, including priming metal jointing strips	m ²	109		

	<u>ON METAL SURFACES</u> <u>One coat alkyd based zinc phosphate primer, one coat alkyd based universal undercoat and two coats premium quality polyurethane enamel paint</u>					
7	Doors and frames	m ²	13			
8	Gates, grilles, burglar screens, ceiling screens, etc (both sides measured over the full flat area)	m ²	199			
9	Windows with burglar proofing (both sides measured over the full flat area)	m ²	4			
10	Rails, bars, pipes, etc not exceeding 300mm girth	m	160			
11	Rails, bars, pipes, etc	m ²	48			
	<u>ON METAL SURFACES</u> <u>Clean the entire area thoroughly with a strong galvanised iron detergent and scrubbing brush, rinse off thoroughly with clean water and allow to dry. Apply one coat galvanised iron primer and one coat alkyd based universal undercoat and two coats UV-resistant water based alkyd roof paint, on galvanised steel</u>					
12	IBR roofs and walls (measured on flat)	m ²	239			
	<u>ON WOOD SURFACES</u> <u>One coat primer and one under coat and two coats high gloss enamel</u>					
13	Roof timbers at eaves and verges	m ²	164			
14	Slatted roof overhang	m ²	227			
	<u>One coat primer and one under coat and two coats premium quality polyurethane enamel paint</u>					
15	Doors	m ²	183			
	<u>Three coats superior quality polyurethane suede varnish</u>					
16	Skirtings, rails, etc not exceeding 300mm girth	m	1 471			
	<p style="text-align: right;">Carried to Collection</p> Repairs and renovations to existing buildings Bill No. 15 Paintwork			R		

	<u>PAINTWORK, ETC TO PREVIOUSLY PAINTED WORK</u>				
	<u>ON QUARRY TILE SURFACES</u>				
	<u>Two coats brick dressing</u>				
17	Sills	m²	21		
	<u>ON GRANOLITHIC</u>				
	<u>ON INTERNAL FLOATED PLASTER SURFACES</u>				
	<u>Remove any loose and flaking residue by means, wash with sugar soap, open up cracks and make good with flexible plaster filler sanded smooth apply one coat alkali resistant plaster primer to bare substrate areas and one coat bonding liquid and one under coat and two coats premium quality smooth matt PVA emulsion paint</u>				
18	Ceilings	m²	9		
	<u>Remove any loose and flaking residue, wash with sugar soap, open up cracks and make good with flexible plaster filler, sanded smooth and apply one coat alkali resistant plaster primer to bare substrate areas and one coat bonding liquid and one under coat and two full coats low odour premium quality highly washable and stain resistant velvet sheen acrylic emulsion paint</u>				
19	Walls	m²	33		
	<u>Remove any loose and flaking residue, wash with sugar soap, open up cracks and make good with flexible plaster filler, sanded smooth and apply one coat alkali resistant plaster primer to bare substrate areas and one coat bonding liquid and one under coat and two coats two full coats premium quality polyurethane enamel paint</u>				
20	Walls	m²	2 102		
	<u>ON PLASTERBOARD SURFACES</u>				
Carried to Collection					
Repairs and renovations to existing buildings					
Bill No. 15					
Paintwork					

	<u>Remove any loose and flaking residue, wash with sugar soap, open up cracks and make good with flexible plaster filler, sanded smooth and apply one coat alkali resistant plaster primer to bare substrate areas and one coat bonding liquid and one under coat and two full coats low odour premium quality highly washable and stain resistant velvet sheen acrylic emulsion paint</u>				
21	Partitions	m ²	165		
	<u>ON EXTERNAL FLOATED PLASTER SURFACES</u>				
	<u>Remove any loose and flaking residue, wash with sugar soap, open up cracks and make good with flexible plaster filler sanded smooth apply one coat alkali resistant plaster primer to bare substrate areas and one coat bonding liquid and one under coat and two full coats extremely durable UV-resistant water based mica reinforced fine textured acrylic paint</u>				
22	Walls	m ²	677		
	<u>ON METAL SURFACES</u>				
	<u>Remove any loose and flaking residue, treated rusted areas with chemical rust remover, spot priming bare metal surfaces with alkyd based zinc phosphate primer, one coat alkyd based universal undercoat and two coats premium quality polyurethane enamel paint</u>				
23	Door frames	m ²	84		
24	Windows with burglar proofing (both sides measured over the full flat area)	m ²	253		
25	Gates, grilles, burglar screens, ceiling screens, balustrades, etc (both sides measured over the full flat area)	m ²	313		
26	Rails, bars, pipes, etc not exceeding 300mm girth	m	25		
27	Rails, bars, pipes, etc	m ²	239		
	Carried to Collection				
	Repairs and renovations to existing buildings				
	Bill No. 15				
	Paintwork				

	<p><u>Remove any loose and flaking residue. Remove all rust by mechanical or hand cleaning methods. Treat the remaining light rust with chemical rust neutraliser. Clean the entire area thoroughly with a strong galvanised iron detergent and scrubbing brush, rinse off thoroughly with clean water and allow to dry. Apply one coat galvanised iron primer and three coats red UV-resistant water based alkyd roof paint, on galvanised steel</u></p> <p>28 IBR roofs and walls (measured on flat)</p> <p><u>ON WOOD SURFACES</u></p> <p><u>Remove any loose and flaking residue, spot priming bare wood surfaces with wood primer, one coat alkyd based universal undercoat and two coats premium quality polyurethane enamel paint</u></p> <p>29 Doors</p>	m ²	557		
	<p style="text-align: right;">Carried to Collection</p> <p>Repairs and renovations to existing buildings Bill No. 15 Paintwork</p>			R	

Item No		Quantity	Rate	Amount R
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 16</u>			
	<u>BUILDER'S WORK IN CONNECTION WITH SPECIAL SERVICES (PROVISIONAL)</u>			
	NOTE : Tenderers are advised to study the 'Specification of Materials and Methods to be used' (PW 371-A and B) before pricing this bill			
	<u>ELECTRICAL INSTALLATION</u>			
1	75mm PVC sleeve pipe and excavations not exceeding 1m deep	m	20	
2	110mm PVC sleeve pipe and excavations not exceeding 1m deep	m	20	
3	Extra for 75mm bend	No	12	
4	Extra for 100mm bend	No	12	
5	Excavate in earth for and build manhole with one brick side on and including a 100mm thick 20MPa/19mm mass concrete base projecting 100mm under wall for face all round, including finishing in 3:1 cement plaster on inside, with 100mm thick 20MPa/19mm mass concrete slab over finished on all exposed surfaces in untinted granolithic with angles rounded with opening for and including 600 x 600mm cast iron double seal heavy duty manhole cover and frame with a mass of 75kg, laid in cement and sealed in tallow; size internally 0,6 x 0,6 x 0,9m deep	No	2	
6	50mm wide chasing into existing wall for piping including making good plastering	m	250	
	Carried Forward to Summary of Section			
	Repairs and renovations to existing buildings			
	Bill No. 16			
	Builders work in connection with services			
			R	

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

Item No		Quantity	Rate	Amount R
	<u>SECTION NO 3</u>			
	<u>BILL NO 2</u>			
	<u>PAVING, RAMPS AND SCREEN WALLS</u>			
	NOTE : Tenderers are advised to study the 'Specification of Materials and Methods to be used' (PW 371-A and B) before pricing this bill			
	All excavations are measured as being in "earth" and/or filling compacted to 98% modified AASHTO density			
	<u>DEMOLITIONS ETC</u>			
	<u>Lifting up existing precast concrete paving and removing</u>			
1	60mm Thick concrete block paving on sand bed	m ²	199	
2	80mm Thick concrete block paving on sand bed	m ²	924	
	<u>Breaking up and removing unreinforced concrete</u>			
3	100mm Thick surface beds	m ²	180	
4	Steps	m ³	1	
	<u>Breaking down and removing brickwork etc</u>			
5	One brick walls	m ²	7	
	<u>THE FOLLOWING IN STORMWATERPAVING, APRONS, SURFACE BEDS</u>			
	<u>EARTHWORKS</u>			
	<u>Open face excavation in earth over sloping site</u>			
6	Open face excavations in earth to reduce levels	m ³	245	
	<u>Extra over bulk excavation in earth for excavation in</u>			
7	Soft rock	m ³	12	
	Carried to Collection			
	External works			
	Bill No. 2			
	Paving, ramps and screen walls			
			R	

8	Hard rock	m ³	98		
	<u>Extra over all excavations for carting away</u>				
9	Extra over all excavations for carting away surplus material from excavations and/or stockpile on site to a dumping site to be located by the Contractor	m ³	245		
	<u>Earth filling supplied by the contractor</u>				
10	Filling of imported selected G5 gravel material and compacted in 150mm layers to 95% modified AASHTO density.	m ³	245		
	<u>Compaction of surfaces</u>				
11	Compaction of ground surface under pavings, etc including scarifying for a depth of 150mm, breaking down over size material, adding suitable material where necessary and compact to 90% modified AASHTO density	m ²	1 123		
	<u>Weed killer</u>				
12	Weed killer under roads, paving, etc.	m ²	1 123		
	<u>Prescribed density tests on filling</u>				
13	"Modified AASHTO Density" test	No	10		
	<u>One layer 250 micron black polyethylene waterproof sheeting (SANS 952-1985 type C) sealed at laps with PVC self-adhesive tape</u>				
14	Under pavings	m ²	1 123		
	<u>PRECAST CONCRETE</u>				
	<u>Paving of 200 x 100 x 65mm thick 25MPa precast concrete paving blocks with butt joints on and including 20mm thick river sand bed with sand-and-cement mixture swept into joints and hosed down, including preparation of ground or filling</u>				
15	Paving in stretcher bond to falls, including edge blocks	m ²	199		
16	200mm Wide brick-on-flat header course edging on 50mm thick mortar bed	m	170		
17	Fair circular cutting	m	5		
	Carried to Collection			R	
	External works				
	Bill No. 2				
	Paving, ramps and screen walls				

18	Pressure test to precast concrete paving blocks	No	5	
	<u>80mm Standard grey double zig-zag interlocking precast concrete paving blocks laid to pattern, on 25mm riversand bed with sand sept into joints</u>			
19	Paving in stretcher bond to falls, including edge blocks	m ²	924	
20	200mm Wide brick-on-flat header course edging on 50mm thick mortar bed	m	248	
21	Fair circular cutting	m	5	
22	Pressure test to precast concrete paving blocks	No	5	
	<u>Lifting up existing precast concrete paving, including storing for re-use</u>			
23	Existing 80mm thick concrete block paving on sand bed paving	m ²	8	
	<u>Relaying existing concrete paving blocks with butt joints on and including 20mm thick river sand bed with sand-and-cement mixture swept into joints and hosed down, including preparation of ground or filling</u>			
24	Existing 80mm thick concrete block paving on sand bed paving	m ²	8	
	<u>PAINTWORK</u>			
	<u>Prepare and apply one coat white reflective road marking paint on precast concrete paving blocks, etc</u>			
25	100mm Wide line	m	65	
	<u>REINFORCED CONCRETE</u>			
	<u>30MPa/19mm concrete cast against excavated surfaces</u>			
26	In surface bed ramp cast in panels	m ³	1	
	<u>Finishing top surfaces of concrete smooth with a wood float and ripple paint roller finish</u>			
27	Surface beds, slabs, etc	m ²	9	
	<u>REINFORCEMENT</u>			
	Carried to Collection			R
	External works Bill No. 2 Paving, ramps and screen walls			

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

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

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

62	Extra over for L-intersection	No	1		
63	Extra over for ramp or knee	No	1		
64	10mm Expansion bolt	No	20		
	<u>PLASTERING</u>				
	<u>Granolithic</u>				
65	25mm Thick on floors	m ²	15		
	<u>EXTERNAL PLASTER</u>				
	<u>Cement plaster on brickwork</u>				
66	On walls	m ²	5		
	<u>PAINTWORK</u>				
	<u>FLOATED PLASTER SURFACES WITH</u>				
	<u>Prepare surfaces and remove all loose material, apply one coat plaster primer one universal under coat and two coats Micatex or other approved paint</u>				
67	On walls	m ²	5		
	<u>Prepare surfaces and remove all loose material, dust, grease, salts and contamination with degreaser, rinse and apply one coat metal primer, apply one universal undercoat and two coats High Gloss Enamel paint on galvanised steel</u>				
68	Balustrading (both sides measured over the full flat area)	m ²	24		
	<u>THE FOLLOWING IN SCREEN WALLS</u>				
	<u>EARTHWORKS</u>				
	<u>Excavation in earth not exceeding 2m deep</u>				
69	Trenches	m ³	8		
	<u>Extra over excavation in earth for excavation in</u>				
70	Soft rock	m ³	0.4		
71	Hard rock	m ³	3		
	Carried to Collection			R	
	External works				
	Bill No. 2				
	Paving, ramps and screen walls				

	<u>Extra over all excavations for carting away</u>				
72	Extra over all excavations for carting away surplus material from excavations and/or stockpile on site to a dumping site to be located by the Contractor	m ³	6		
	<u>Risk of collapse of excavations</u>				
73	Sides of trench and hole excavations not exceeding 1,5m deep	m ²	27		
	<u>Keeping excavations free of water</u>				
74	Keeping excavations free of water		Item		
	<u>Earth filling obtained from the excavations and/or prescribed stock piles on site, compacted to 93% Mod AASHTO density</u>				
75	Backfilling to trenches, holes, etc	m ³	2		
	<u>CONCRETE</u>				
	<u>REINFORCED CONCRETE</u>				
	<u>30MPa/19mm concrete cast against excavated surfaces</u>				
76	Strip footings	m ³	5		
	<u>MOVEMENT JOINTS ETC</u>				
	<u>Expansion joints with softboard between vertical brick surfaces</u>				
77	20mm Joint not exceeding 300mm high	m	4		
	<u>Two-part grey polysulphide sealing compound including backing cord, bond breaker, primer, etc</u>				
78	10 x 10mm In expansion joints in floors	m	8		
	<u>REINFORCEMENT</u>				
	<u>Mild steel reinforcement to structural concrete work</u>				
79	8mm Diameter bars	t	0.012		
	Carried to Collection			R	
	External works				
	Bill No. 2				
	Paving, ramps and screen walls				

80	<u>High tensile steel reinforcement to structural concrete work</u>				
	12mm Diameter bars	t	0.146		
81	<u>BRICKWORK</u>				
	<u>Brickwork of NFP bricks in class II mortar</u>				
82	One brick walls	m ²	55		
	<u>Brickwork reinforcement</u>				
83	150mm Wide reinforcement built in horizontally	m	215		
	<u>METALWORK</u>				
84	Galvanised security spikes fixed on walls	m	27		
	<u>PLASTERING</u>				
85	<u>EXTERNAL PLASTER</u>				
	<u>Cement plaster on brickwork</u>				
86	On walls	m ²	109		
	On narrow widths	m ²	6		
86	<u>PAINTWORK</u>				
	<u>FLOATED PLASTER SURFACES WITH</u>				
86	<u>Prepare surfaces and remove all loose material, apply one coat plaster primer one universal under coat and two coats Micatex or other approved paint</u>				
	On walls	m ²	116		
Carried to Collection				R	
External works					
Bill No. 2					
Paving, ramps and screen walls					

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

	<p><u>Fixing of pipes</u></p> <p>Unless specifically otherwise stated, descriptions of pipes shall be deemed to include fixing to walls, etc, casting in, building in or suspending not exceeding 1m below suspension level</p> <p><u>Disinfection of water pipework</u></p> <p>Water pipework is to be disinfected at completion in accordance with SABS 1200L (provision for disinfection elsewhere)</p> <p><u>Laying, backfilling, bedding, etc of pipes</u></p> <p>Pipes shall be laid and bedded in accordance with manufacturers' instructions and trenches shall be carefully backfilled</p> <p>Where no manufacturers' instructions exist, pipes shall be laid in accordance with Clauses 5.1 and 5.2 of each of the following: SABS 1200L : Medium-pressure pipelines SABS 1200LD : Sewers SABS 1200LE : Stormwater drainage</p> <p>Pipe trenches, etc shall be backfilled in accordance with Clauses 3, 5.5, 5.6, 5.7 and 7 of SABS 1200DB : Earthworks (Pipe trenches)</p> <p>Pipes shall be bedded in accordance with Clauses 3.1 to 3.4.1, 5.1 to 5.3 and 7 of SABS 1200LB : Bedding (Pipes)</p> <p>Unless otherwise described bedding of rigid pipes shall be Class B bedding</p> <p><u>General</u></p> <p>Descriptions of pipes laid in and including trenches and of inspection chambers, catch pits, etc shall be deemed to include excavation, bedding, backfilling, compaction to a minimum of 93% Mod AASHTO density and disposal of surplus material on site</p> <p>Descriptions of service pipes and flexible connecting pipes shall be deemed to include connections to taps, cisterns, etc and to steel pipes (adaptors for connections to copper pipes, etc are given separately)</p> <p style="text-align: right;">Carried to Collection</p> <p>External works Bill No. 3 Stormwater drainage, soil drainage and water supply</p>			
			R	

	<u>STORMWATER DRAINAGE</u>				
	NOTE : All excavations are measured as being in "earth" and/or filling compacted to 98% modified AASHTO density				
	<u>STORMWATER DRAINAGE</u>				
	<u>uPVC</u>				
1	110mm Pipes laid in and including trenches not exceeding 1m deep	m	21		
2	160mm Pipes laid in and including trenches exceeding 1m and not exceeding 2m deep	m	32		
	<u>Concrete stormwater channels</u>				
3	750 x 350mm Channel with segmental channel formed therein and finished smooth on exposed surfaces including two Y12 steel reinforcing bars, including necessary excavation and formwork	m	53		
4	Extra over for angles, intersections, ends, etc	No	5		
	<u>Sump, catchpits, etc including excavations, 100mm thick 20MPa concrete bottom, one brick walls with plaster to inside and 100mm thick concrete coping slab rebated all round</u>				
5	Catchpit 600 x 600mm and exceeding 500 and not exceeding 750mm deep and including cast iron dished grating and frame	No	6		
	<u>SUNDRIES</u>				
6	Extra over excavation in earth for pipe trenches, chambers, etc for excavation in soft rock	m ³	3		
7	Extra over excavation in earth for pipe trenches, chambers, etc for excavation in hard rock	m ³	21		
8	Extra over excavation for pipe trenches, chambers, etc for carting away surplus material to a dumping site to be located by the contractor	m ³	24		
9	Extra over backfilling to drain trenches, chambers, etc for suitable earth backfilling supplied by the contractor	m ³	24		
10	Concrete encasing to 110mm horizontal pipes	m	21		
	Carried to Collection			R	
	External works				
	Bill No. 3				
	Stormwater drainage, soil drainage and water supply				

11	Concrete encasing to 160mm horizontal pipes	m	32		
	<u>Testing</u>				
12	Testing stormwater drainage		Item		
	<u>TESTING</u>				
	<u>SOIL DRAINAGE</u>				
	NOTE : All excavations are measured as being in "earth" and/or filling compacted to 98% modified AASHTO density				
	<u>Normal duty (Class 51) uPVC sewer and drain pipes</u>				
13	110mm Pipes vertically or ramped to cleaning eyes etc (no excavation)	m	11		
14	110mm Pipes laid in and including trenches not exceeding 1m deep	m	166		
15	110mm Pipes laid in and including trenches exceeding 1m and not exceeding 2m deep	m	16		
	<u>Extra over normal duty (Class 51) uPVC sewer and drain pipes for fittings</u>				
16	110mm Bend	No	17		
17	110mm Access bend	No	5		
18	110mm Access junction	No	13		
19	110mm Rodding eye cover and frame with 300 x 300 x 300 mm concrete surround.	No	3		
	<u>uPVC gulleys</u>				
20	110mm 'P' trap gully, including gully head and grating, including excavating for, bedding on and encasing in 15MPa/19mm mass concrete and fitted with precast concrete gully top, not exceeding 500mm deep.	No	4		
	<u>Precast concrete circular inspection chambers including precast concrete cover slabs (covers elsewhere) including bottom concrete slab and channels in benching</u>				
21	1000mm Diameter inspection chamber not exceeding 1000mm deep internally	No	1		
	Carried to Collection			R	
	External works				
	Bill No. 3				
	Stormwater drainage, soil drainage and water supply				

22	1000mm Diameter inspection chamber exceeding 1000mm and not exceeding 1500mm deep internally	No	1		
	<u>Cast iron covers etc</u>				
23	Heavy duty precast concrete manhole cover and frame	No	2		
24	Lifting-key for manhole cover (handed to employer)	No	1		
	<u>SUNDRIES</u>				
25	Extra over excavation in earth for pipe trenches, chambers, etc for excavation in soft rock	m³	9		
26	Extra over excavation in earth for pipe trenches, chambers, etc for excavation in hard rock	m³	68		
27	Extra over excavation for pipe trenches, chambers, etc for carting away surplus material to a dumping site to be located by the contractor	m³	77		
28	Extra over backfilling to drain trenches, chambers, etc for suitable earth backfilling supplied by the contractor	m³	77		
29	Concrete encasing to 110mm horizontal pipes	m	160		
	<u>Testing</u>				
30	Testing soil drainage system		Item		
	<u>WATER SUPPLIES</u>				
	NOTE : All excavations are measured as being in "earth" and/or filling compacted to 98% modified AASHTO density				
	<u>Class 10 HDPE type IV pipes</u>				
31	25mm Pipes laid in and including trenches not exceeding 1m deep	m	106		
32	40mm Pipes laid in and including trenches not exceeding 1m deep	m	5		
33	75mm Pipes laid in and including trenches not exceeding 1m deep	m	59		
	Carried to Collection			R	
	External works				
	Bill No. 3				
	Stormwater drainage, soil drainage and water supply				

	<u>Extra over Class 10 HDPE type IV pipes for compression fittings</u>				
34	25mm Fittings	No	14		
35	40mm Stop end	No	1		
36	40 x 25mm Reducer	No	2		
37	40mm Elbow	No	3		
38	40mm Tee	No	2		
39	40 x 25mm Reducing tee	No	2		
40	75mm Elbow	No	5		
41	75mm Female adaptor	No	2		
42	75mm Male adaptor	No	2		
	<u>Galvanized mild steel pipes</u>				
43	20mm Pipes	m	4		
44	25mm Pipes	m	11		
45	32mm Pipes	m	22		
46	80mm Pipes	m	2		
47	80mm Pipes laid in and including trenches not exceeding 1m deep	m	2		
	<u>Extra over galvanized mild steel pipes for fittings</u>				
48	20mm Fittings	No	8		
49	25mm Fittings	No	5		
50	32mm Fittings	No	10		
51	32mm Elbow	No	1		
52	80mm Reducing bush	No	1		
53	80mm Elbow	No	1		
54	80mm Single screwed flange	No	4		
	Carried to Collection			R	
	External works				
	Bill No. 3				
	Stormwater drainage, soil drainage and water supply				

55	80 x 65mm Brass right-angle hydrant valve with cap and chain	No	1			
56	Hydrant tee drilled to table 16, including connecting bolts, gaskets	No	1			
	<u>VALVES, ETC</u>					
	<u>Valves, etc. including joints to pipes and/or fittings</u>					
57	15mm Brass hose bib tap	No	4			
58	25mm Gate valve including connections to HDPE pipe	No	3			
59	25mm Gate valve including connections galvanized mild steel pipe	No	1			
60	32mm Gate valve including connections galvanized mild steel pipe	No	2			
61	40mm Gate valve including connections HDPE pipe	No	2			
	<u>STOPCOCK BOXES, ETC</u>					
	<u>Precast concrete circular valve chambers including precast concrete bottom and cover slabs and precast concrete cover</u>					
62	675mm Diameter inspection chamber 1000mm deep internally	No	5			
	<u>Fire hydrant pedestals</u>					
63	Unreinforced concrete hydrant pedestal 900mm high cast around vertical pipe with bottom 300mm below ground, 300 x 300mm square at base and tapering to octagonal shaped top 200 x 200mm overall including necessary excavation, form work and two coats paint to exposed surfaces	No	1			
	<u>TESTING</u>					
64	Testing the water supply installation		Item			
	<u>Municipal Connection</u>					
65	Provide the sum of R15 000.00 (Fifteen Thousand Rand) net for the Municipal fire water Connection		Item		15 000.00	
66	Allow for profit		Item			
	Carried to Collection			R		
	External works					
	Bill No. 3					
	Stormwater drainage, soil drainage and water supply					

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Item No		Quantity	Rate	Amount R
	<p><u>SECTION NO. 3</u></p> <p><u>BILL NO. 4</u></p> <p><u>FENCING</u></p> <p>NOTE : Tenderers are advised to study the 'Specification of Materials and Methods to be used' (PW 371-A and B) before pricing this bill</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Clearvu or similar approved fence</u></p> <p>The perimeter fence consist of Heavy, high security welded panel fence, with rectangular mesh</p> <p><u>Posts</u></p> <ul style="list-style-type: none"> · Bekafix Secure 70 x 44 x 2.0mm x 3600 mm long. (I Profile) · Set posts vertically into ground at 3000mm centres. · Longer posts will be required where fence steps > 200mm. <p><u>Foundations</u></p> <ul style="list-style-type: none"> · Cast 400 x 400 x 700 deep 15MPa/19 stone at each post. · Ground conditions may require additional concrete. <p><u>Heavy Security Mesh Panels</u></p> <ul style="list-style-type: none"> · Mesh panels shall be ref. 35 10 3V, fabricated from high tensile steel with a weld strength of 60% and a tensile strength of 500N/mm². · Horizontal and vertical wires shall have a core diameter of 3.00mm with a tolerance of +/- 0,0 7mm · Apertures shall be 76.2mm W x 12.7mm H c/c of wires. · Panels are laterally strengthened by incorporation of 3 x 43mm deep, V-profiled horizontal stiffener bends. · Panel finish size tolerance s: width +/- 2.0mm and height +/-6mm □ Mesh panels are manufactured with Zincalu wire (Galfan). 			
	<p style="text-align: right;">Carried to Collection</p> <p>External works Bill No. 4 Fencing</p>		R	

	<u>Vandal Resistant Fixing</u> <ul style="list-style-type: none"> To Posts: Mini spider fixators bolted through the post using M8 anti-vandal cupsquare bolts, shear-off nuts & flat washers. Top spike rail: Bolted using M8 anti-vandal cupsquare bolts, shear-off nuts & Fender washers. All fasteners and fixing screws shall be Grade 316 Stainless Steel. 				
	<u>Anti Climb Over Prevention</u> <ul style="list-style-type: none"> At the top, a purpose bent Z- profile combo sawtooth serrated edge spike/rail 40 x 20 x 40 x 2.5mm thick fabricated from 100mm wide sheet metal strip shall cap over the mesh panel and be fixed to the mesh to deter climbing. 				
	<u>Corrosion Protection</u> <u>Initial Coating</u> <ul style="list-style-type: none"> Mesh Panels: Zincalu. Posts/Structure /Rails/Spikes : HD Galvanised. <u>Additional Coating</u> <ul style="list-style-type: none"> Fence Mesh Panels, Posts, Structure & Spike rails shall be uniformly PVC coated, which is free of lead, cadmium and D OP, to a minimum thickness of Organic coatings on steel wire - Part 2: PVC finished wire. Finish colours shall be either RAL 7021 Anthracite or RAL 6005 Gree 				
	<u>THE FOLLOWING IN CONCRETE BEAM BELOW FENCE</u>				
	<u>EARTHWORKS</u>				
	<u>Site clearance</u>				
1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs, bush, etc and trees not exceeding 200mm girth	m ²	156		
	<u>Excavate in earth not exceeding 2m deep below natural, elevated or reduced ground level for</u>				
2	Trenches	m ³	12		
	Carried to Collection			R	
	External works Bill No. 4 Fencing				

	<u>Extra over trench and hole excavations in earth for excavation in</u>				
3	Soft rock	m ³	1		
4	Hard rock	m ³	5		
	<u>Extra over all excavations for carting away</u>				
5	Extra over all excavations for carting away surplus material from excavations and/or stockpile on site to a dumping site to be located by the Contractor	m ³	12		
	<u>Risk of collapse of excavations</u>				
6	Sides of trench and hole excavations to not exceeding 1,5m deep	m ²	78		
	<u>Keeping excavations free of water</u>				
7	Keeping excavations free from water and mud		Item		
	<u>Weed killer</u>				
8	To bottoms and sides of trenches	m ²	102		
	<u>CONCRETE</u>				
	<u>20MPa/20mm concrete</u>				
9	Ground beam	m ³	12		
	<u>Finishing top surfaces of concrete smooth with a wood float and ripple paint roller finish</u>				
10	Striking of and curing with wood float on top of beams	m ²	23		
	<u>SMOOTH FORMWORK</u>				
11	Edges, risers, ends and reveals exceeding 300mm high or wide	m	78		
	<u>MOVEMENT JOINTS ETC</u>				
	<u>Expansion joints with 10mm softboard between vertical concrete surfaces</u>				
12	Exceeding 300mm high through ground beams	m ²	78		
	Carried to Collection			R	
	External works				
	Bill No. 4				
	Fencing				

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External works

Bill No. 4

Fencing

COLLECTION PAGE

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No**

**Amount
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External works

Bill No. 4

Fencing

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

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

<u>PROVISION OF EPWP-NYS SUPERVISOR FOR YOUTH WORKERS</u>			
19	Provide the sum of R60 000.00 (Sixty Thousand Rand) net for the supervisor as appointed by the main contractor	Item	60 000.00
20	Allow for profit on last if required	Item	
21	Allow for attendance	Item	
<u>Liason with Service Provider</u>			
22	Liason with Service Provider	Hrs	50.00
Carried to Collection			
Employment and training for labour and EPWP-NYS Bill No. 1			R
Employment and training for labour and EPWP-NYS			

Provide the sum of R60 000.00 (Sixty Thousand Rand) net for the supervisor as appointed by the main contractor

Item	60 000.00
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Allow for profit on last if required

Item

Allow for attendance

Item

Liason with Service Provider

Liason with Service Provider

Hrs	50.00
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Carried to Collection

R

Employment and training for labour and EPWP-NYS
Bill No. 1
Employment and training for labour and EPWP-NYS

<p>Section No. 4</p> <p>Employment and training for labour and EPWP-NYS</p> <p>Bill No. 1</p> <p>Employment and training for labour and EPWP-NYS</p> <p><u>COLLECTION PAGE</u></p> <p>Total Brought Forward from Page No.</p>	<p>Employment and training for labour and EPWP-NYS</p> <p>Bill No. 1</p> <p>Employment and training for labour and EPWP-NYS</p> <p><u>COLLECTION PAGE</u></p> <p>Total Brought Forward from Page No.</p>	<p>Page No</p> <p>141</p> <p>142</p> <p>143</p>	<p>Amount R</p>	<p>Amount R</p>
<p>Carried to Final Summary</p> <p>Employment and training for labour and EPWP-NYS</p> <p>Bill No. 1</p> <p>Employment and training for labour and EPWP-NYS</p>	<p>Carried to Final Summary</p> <p>Employment and training for labour and EPWP-NYS</p> <p>Bill No. 1</p> <p>Employment and training for labour and EPWP-NYS</p>	<p></p>	<p>R</p>	<p></p>

Item No		Quantity	Rate	Amount R
<u>SECTION NO. 5</u>				
<u>BILL NO. 1</u>				
<u>PROVISIONAL SUMS</u>				
<u>AIR-CONDITIONING</u>				
1	Provide the sum of R800 000.00 (Eight Hundred Thousand Rand) net for air-conditioning	Item		800 000.00
2	Allow for profit on last if required	Item		
3	Allow for attendance	Item		
<u>STEEL WATER TANK AND STAND</u>				
4	Provide the sum of R500 000.00 (Five Hundred Thousand Rand) net for steel water tank and stand	Item		500 000.00
5	Allow for profit on last if required	Item		
6	Allow for attendance	Item		
Carried to Final Summary				R
Provisional sums Bill No. 1 Provisional sums				

Section No	<u>FINAL SUMMARY</u>	Page No		Amount R	
1	Preliminaries	31			
2	Repairs and renovations to existing buildings	113			
3	External works	140			
4	Employment and training for labour and EPWP-NYS	144			
5	Provisional sums	145			
	Electrical Installation summary of Electrical Engineer's Bills of Quantities <i>(Total must include main contractor profit and attendance)</i>	Item			
	Subtotal			R	
	ADD: Value added Tax at 15%			R	
	Total Carried to Form of Offer and Acceptance DPW-07(EC)			R	