

| Item No | Quantity | Rate | Amount |
|---|----------|---|--------|
| BILL NO. 1 | | | |
| <u>PRELIMINARIESNOTES</u> | | | |
| i) | | The agreement is to be the JBCC Series 2000 Principal Building Agreement, Edition 4.1 May 2005, and other contract documents that together form the contract between the employer and contractor | |
| ii) | | The preliminaries are to be the JBCC Series 2000 Code 2103 Preliminaries prepared by the Joint Building Contracts Committee, May 2005 edition and shall be deemed to be incorporated herein | |
| iii) | | Tenderers are referred to the abovementioned documents for the full intent and meaning of each clause thereof (hereinafter referred to by heading and clause number only) for which such allowance must be made as may be considered necessary | |
| iv) | | Where standard clauses or alternatives are not entirely applicable to this contract such modifications, corrections or supplements as will apply are given under each relevant clause heading | |
| v) | | Where any item is not relevant to this specific contract such item is marked N/A (signifying "not applicable") | |
| vi) | | If Alternative A as set out in clause B10.3 hereinafter is to be used for the adjustment of the preliminaries each item priced is to be allocated to one or more of the three categories, where "F" denotes a fixed amount (amount not to be varied), "V" denotes an amount variable in proportion to value and "T" denotes an amount in proportion to time | |
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| <u>SECTION A: PRINCIPAL BUILDING AGREEMENT</u> | | | |
| | | Carried to Collection | R |
| Section No. 1 Preliminaries Bill No. 1 Preliminaries | | | |

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|---|---|------|---|--|
| <u>Definitions (A1)</u> | | | | |
| 1 | Definitions and interpretation (clause 1)F:..... V:..... T:..... | Item | | |
| <u>Objective and Preparation (A2 to A14)</u> | | | | |
| 2 | Offer acceptance and performance (clause 2)F:..... V:..... T:..... | Item | | |
| 3 | Documents (clause 3)F:..... V:..... T:..... | Item | | |
| 4 | Design responsibility (clause 4)F:..... V:..... T:..... | Item | | |
| 5 | Employer's agents (clause 5)F:..... V:..... T:..... | Item | | |
| 6 | Site representative (clause 6)F:..... V:..... T:..... | Item | | |
| 7 | Compliance with regulations (clause 7)F:..... V:..... T:..... | Item | | |
| 8 | Works risk (clause 8)F:..... V:..... T:..... | Item | | |
| 9 | Indemnities (clause 9)F:..... V:..... T:..... | Item | | |
| 10 | Works insurances (clause 10) F:..... V:..... T:..... | Item | | |
| 11 | Liability insurances (clause 11)F:..... V:..... T:..... | Item | | |
| 12 | Effecting insurance (clause 12)F:..... V:..... T:..... | Item | | |
| 13 | NO CLAUSE | N/A | | |
| 14 | Security (clause 14)F:..... V:..... T:..... | Item | | |
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| <u>Execution (A15-A23)</u> | | | | |
| 15 | Preparation for and execution of the works (clause 15) fixed F:..... V:..... T:..... | Item | | |
| 16 | Access to the works (clause 16)F:..... V:..... T:..... | Item | | |
| 17 | Contract instructions (clause 17)F:..... V:..... T:..... | Item | | |
| 18 | Setting out of the works (clause 18)F:..... V:..... T:..... | Item | | |
| 19 | Assignment (clause 19)F:..... V:..... T:..... | Item | | |
| 20 | Nominated subcontractors (clause 20)F:..... V:..... T:..... | Item | | |
| 21 | Selected subcontractors (clause 21)F:..... V:..... T:..... | Item | | |
| 22 | Employer's Direct Contractors (clause 22) F:..... V:..... T:..... | Item | | |
| 23 | Contractor's Domestic Sub-Contractors (Clause 23) F:..... V:..... T:..... | Item | | |
| <u>Completion (A24-A30)</u> | | | | |
| 24 | Practical completion (clause 24)F:..... V:..... T:..... | Item | | |
| 25 | Works completion (clause 25)F:..... V:..... T:..... | Item | | |
| 26 | Final completion (clause 26)F:..... V:..... T:..... | Item | | |
| 27 | Latent defects liability period (clause 27)F:..... V:..... T:..... | Item | | |
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|---|---|------|---|--|
| 28 | Sectional completion (clause 28)F:..... V:..... T:..... | Item | | |
| 29 | Revision of date of practical completion (clause 29)F:..... V:..... T:..... | Item | | |
| 30 | Penalty for non-completion (clause 30)F:..... V:..... T:..... | Item | | |
| <u>Payment (A31 - A35)</u> | | | | |
| 31 | Interim payment to the contractor (clause 31)F:..... V:..... T:..... | Item | | |
| 32 | Adjustment to the contract value (clause 32)F:..... V:..... T:..... | Item | | |
| 33 | Recovery of expense and loss (clause 33)F:..... V:..... T:..... | Item | | |
| 34 | Final account and final payment (clause 34)F:..... V:..... T:..... | Item | | |
| 35 | Payment to other parties (clause 35) F:..... V:..... T:..... | Item | | |
| <u>Cancellation (A36-A39)</u> | | | | |
| 36 | Cancellation by employer - contractor's default (clause 36)F:..... V:..... T:..... | Item | | |
| 37 | Cancellation by employer - loss and damage (clause 37)F:..... V:..... T:..... | Item | | |
| 38 | Cancellation by contractor - employer's default (clause 38)F:..... V:..... T:..... | Item | | |
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| 39 | Cancellation - cessation of the works (clause 39)F:..... V:..... T:..... | Item | | |
| | <u>Dispute (A40)</u> | | | |
| 40 | Dispute Settlement (clause 40) F:..... V:..... T:..... | Item | | |
| | <u>Substitute Provisions (A41)</u> | | | |
| 41 | State clauses (Clause 41) F:..... V:..... T:..... | Item | | |
| | <u>THE SCHEDULE</u> | | | |
| | Information necessary for completion of those clauses contained in the schedule which are necessary for tender purposes is given hereunder | | | |
| 42 | Pre-tender information (clause 42) F:..... V:..... T:..... | Item | | |
| Carried to Collection | | | R | |
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42.1 CONTRACTING AND OTHER PARTIES

42.1.1

Employer:

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Postal address:

.....

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Code

Tel

Fax

E-mail

Physical Address:

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42.1.2

Principal Agent:

.....

Postal address:

.....

.....

Code

Tel

Fax

E-mail

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42.1.3

Agents service:Architect

Agent (1)

.....

Postal address:

.....

.....

Code

Tel

Fax

E-mail

42.1.4

Agents service: Quantity Surveyor

Agent (2)

.....

Postal address:

.....

.....

Code

Tel

Fax

E-mail

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42.1.5
Agents service: Structural & Civil Engineer

Agent (3)

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Postal address:

.....

.....

Code

Tel

Fax

E-mail

42.1.6
Agents service: Electrical Engineer

Agent (4)

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Postal address:

.....

.....

Code

Tel

Fax

E-mail

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42.1.7
Agents Service : Mechanical Engineer

Agent (5)

.....

Postal address:

.....

.....

Code

Tel

Fax

E-mail

42.1.8
Agents Service :

Agent (6)

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Postal address:

.....

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Code

Tel

Fax

E-mail

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42.2 CONTRACT DETAILS

42.2.1 Works Description:

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42.2.2 Site Description:

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42.2.3 Work or installations by direct contractors:

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

Yes/No

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

?..... (Date)

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

?..... working days

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

?..... Date

?R..... Penalty Amount

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

Section 1

..... Date

R..... Penalty Amount

Section 2

..... Date

R..... Penalty Amount

Section 3

..... Date

R..... Penalty Amount

Section 4

..... Date

R..... Penalty Amount

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

..... (country)

42.3 INSURANCES

42.3.1 Contract works insurance to be effected by:

Employer/Contractor:

For the Sum of R

With a deductible of of R

42.3.2 Supplementary insurance is required

Yes/No

42.3.3 Public liability insurance to be effected by:

Employer/Contractor:

For the Sum of R

With a deductible of of R

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42.4 DOCUMENTS

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

Yes/No

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

..... *Number of*

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

(state system)

42.4.4 On acceptance of the tender the bills of quantities/lump sum document is to be submitted within **working days**

..... *Number of*

42.4.5 JBCC Engineering General Conditions are to be included in the **contract documents**:

Yes/No

42.4.6 The contract value is to be adjusted using escalation adjustment indices

Yes/No

Where **JBCC CPAP** is to be used

Base Month

42.4.7 Details of changes made to the provision of JBCC standard documentation:

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SECTION B: PRELIMINARIES

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|---|---|------|---|--|
| <u>Definitions and interpretation (B1)</u> | | | | |
| 43 | Definition and interpretation (B1.1 - B1.4.6) F:..... V:..... T:..... | Item | | |
| <u>Documents (B2)</u> | | | | |
| 44 | Checking of documents (B2.1)F:..... V:..... T:..... | Item | | |
| 45 | Provisional bills of quantities (B2.2)F:..... V:..... T:..... | Item | | |
| 46 | Availability of construction documentation (B2.3) F:..... V:..... T:..... | Item | | |
| 47 | Interests of agents (B2.4)F:..... V:..... T:..... | Item | | |
| 48 | Priced documents (B2.5)F:..... V:..... T:..... | Item | | |
| 49 | Tender submission (B2.6)F:..... V:..... T:..... | Item | | |
| <u>The site (B3)</u> | | | | |
| 50 | Defined works area (B3.1)F:..... V:..... T:..... | Item | | |
| 51 | Geotechnical investigation (B3.2)F:..... V:..... T:..... | Item | | |
| 52 | Inspection of the site (B3.3)F:..... V:..... T:..... | Item | | |
| 53 | Existing premises occupied (B3.4)F:..... V:..... T:..... | Item | | |
| 54 | Previous work - dimensional accuracy (B3.5)F:..... V:..... T:..... | Item | | |
| 55 | Previous work - defects (B3.6)F:..... V:..... T:..... | Item | | |
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| 56 | Services - known (B3.7)F:..... V:..... T:..... | Item | | |
| 57 | Services - unknown (B3.8)F:..... V:..... T:..... | Item | | |
| 58 | Protection of trees etc (B3.9)F:..... V:..... T:..... | Item | | |
| 59 | Articles of value (B3.10)F:..... V:..... T:..... | Item | | |
| 60 | Inspection of adjoining properties etc (B3.11)F:..... V:..... T:..... | Item | | |
| <u>Management of contract (B4)</u> | | | | |
| 61 | Management of the works (B4.1)F:..... V:..... T:..... | Item | | |
| 62 | Programme for the works (B4.2) F:..... V:..... T:..... | Item | | |
| 63 | Progress meetings (B4.3)F:..... V:..... T:..... | Item | | |
| 64 | Technical meetings (B4.4)F:..... V:..... T:..... | Item | | |
| 65 | Labour and Plant records (B4.5) F:..... V:..... T:..... | Item | | |
| <u>Samples, Shop Drawings and Manufacturer's Instructions (B5)</u> | | | | |
| 66 | Samples of materials (B5.1)F:..... V:..... T:..... | Item | | |
| 67 | Workmanship samples (B5.2)F:..... V:..... T:..... | Item | | |
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| 68 | Shop drawings (B5.3) F:..... V:..... T:..... | Item | | |
| 69 | Compliance with Manufacturer's Instructions (B5.4) F:..... V:..... T:..... | Item | | |
| <u>Temporary works and plant (B6)</u> | | | | |
| 70 | Deposits and fees (B6.1)F:..... V:..... T:..... | Item | | |
| 71 | Enclosure of the works (B6.2)F:..... V:..... T:..... | Item | | |
| 72 | Advertising (B6.3)F:..... V:..... T:..... | Item | | |
| 73 | Plant, equipment, sheds and offices (B6.4)F:..... V:..... T:..... | Item | | |
| 74 | Main notice board (B6.5)F:..... V:..... T:..... | Item | | |
| 75 | Subcontractors' notice board (B6.6) F:..... V:..... T:..... | Item | | |
| <u>Temporary services (B7)</u> | | | | |
| 76 | Location (B7.1)F:..... V:..... T:..... | Item | | |
| 77 | Water (B7.2) Option [A] / [B] ? shall apply F:..... V:..... T:..... | Item | | |
| 78 | Electricity (B7.3) Option [A] / [B] ? shall apply F:..... V:..... T:..... | Item | | |
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| 79 | Telecommunication facilities (B7.4) F:..... V:..... T:..... | Item | | |
| 80 | Ablution facilities (B7.5) Option [A] / [B] ? shall apply F:..... V:..... T:..... | Item | | |
| | <u>Prime cost amounts (B8)</u> | | | |
| 81 | Responsibility for prime cost amounts (B8.1)F:..... V:..... T:..... | Item | | |
| | <u>Attendance on N/S Subcontractors (B9)</u> | | | |
| 82 | General attendance (B9.1)F:..... V:..... T:..... | Item | | |
| 83 | Special attendance (B9.2)F:..... V:..... T:..... | Item | | |
| 84 | Commissioning - Fuel, water and power (B9.3)F:..... V:..... T:..... | Item | | |
| | <u>Financial aspects (B10)</u> | | | |
| | Statutory taxes, duties and levies (B10.1)F:..... V:..... T:..... | Item | | |
| 85 | Payment of preliminaries (B10.2) Option [A] / [B] ? shall apply F:..... V:..... T:..... | Item | | |
| 86 | Adjustment of preliminaries (B10.3)F:..... V:..... T:..... | Item | | |
| 87 | Payment certificate cash flow (B10.4)F:..... V:..... T:..... | Item | | |
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| <u>General (B11)</u> | | | | |
| 88 | Protection of works (B11.1)F:..... V:..... T:..... | Item | | |
| 89 | Protection/isolation of existing/sectionally occupied works (B11.2)F:..... V:..... T:..... | Item | | |
| 90 | Security of the Works (B11.3) F:..... V:..... T:..... | Item | | |
| 91 | Notice before covering work (B11.4)F:..... V:..... T:..... | Item | | |
| 92 | Disturbance (B11.5) F:..... V:..... T:..... | Item | | |
| 93 | Environmental Disturbance (B11.6) F:..... V:..... T:..... | Item | | |
| 94 | Works cleaning and clearing (B11.7) F:..... V:..... T:..... | Item | | |
| 95 | Vermin (B11.8) F:..... V:..... T:..... | Item | | |
| 96 | Overhand work (B11.9) F:..... V:..... T:..... | Item | | |
| 97 | Instruction manuals and guarantees (B11.10) F:..... V:..... T:..... | Item | | |
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|-----|---|------|---|--|
| 98 | As built information (B11.11) F:..... V:..... T:..... | Item | | |
| 99 | Tenant Installations (B11.12) F:..... V:..... T:..... | Item | | |
| | <u>Schedule of variables (B12)</u> | | | |
| 100 | Pre-tender information (B12.1)F:..... V:..... T:..... | Item | | |
| | 12.1.1 Provisional bills of quantities (B2.2) The quantities are provisional: <div>Yes/No</div> | | | |
| | 12.1.2 Availability of construction documentation (B2.3) Construction documentation is not complete <div>Yes/No</div> | | | |
| | 12.1.3 Interest of agents (B2.4) | | | |
| | 12.1.4 Defined works area (B3.1) | | | |
| | 12.1.5 Geotechnical investigation (B3.2) | | | |
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12.1.6 Existing premises occupied (B3.4)

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12.1.7 Previous work - dimensional accuracy (B3.4)

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12.1.8 Previous work - defects (B3.5)

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12.1.9 Services - known (B3.7)

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12.1.10 Protection of trees (B3.9)

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| <div>12.1.11 Inspection of adjoining properties (B3.11) </div> <div>12.1.12 Enclosure of the works (B6.2) </div> <div>12.1.13 Offices (B6.4.3) </div> <div>12.1.14 Main notice board (B6.5) </div> <div>12.1.15 Subcontractors notice board (B6.6)</div> | | |
| A notice board is required | | |
| | Yes/No | |
| 12.1.16 Water (B7.2) | | |
| Alternative Selected: | | |
| 12.1.17 Electricity (B7.3) | | |
| Alternative selected: | | |
| 12.1.18 Telecommunications (B7.4) | | |
| 12.1.19 Ablution facilities (B7.5) | | |
| Alternative selected: | | |
| | | |
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12.1.20 Protection of existing/sectionally occupied works (B11.2)

12.1.21 Special attendance (B9.2)

Subcontractor (1) details:

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12.1.22 Protection of the works (B11.1)

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12.1.23 Disturbance (B11.5)

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12.1.24 Environmental Disturbance (B11.6)

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Post tender information (B12.2)

12.2.1 Payment of preliminaries
Alternative selected:

12.2.2 Adjustment of preliminaries
Alternative selected:

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12.2.3 Additional agreed preliminaries items
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.....-

SECTION C: SPECIFIC PRELIMINARIES

Any special items to meet the particular circumstances of a specific project are embodied in this section. Where required for an aspect of the works to be executed according to a design by a consulting engineer, a recital of the headings to the individual clauses of the JBCC Engineering General Conditions are included

101 Occupational Health and Safety Compliance (BoQ to be provided on award)

Item

102 Community Liaison Officer (CLO)

Allowance for the employment of a Community Liaison Officer @ R10,000.00 per month for the duration of the contract

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

Item

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Hlamvana High School Storm Damage Programme

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| Bill No. 1 | | | |
| Preliminaries | | | |
| <u>COLLECTION</u> | | | |
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Hlamvana High School Storm Damage Programme

[illegible]

| Item No | Quantity | Rate | Amount |
|---|----------|------|----------|
| <p><u>BILL NO. 1</u></p> <p><u>ALTERATIONS</u></p> <p><u>PREAMBLES</u></p> <p><u>Note:</u></p> <p>The Contractor is referred to the relevant Clauses in the separate document Specifications of Materials and Methods to be Used (PW 371) Fourth Revision October 1993 and the Supplementary Preambles and any amplification/s stated hereunder</p> <hr/> <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>Carried to Collection</p> | | | <p>R</p> |
| <p>Section No. 2 Repairs and Renovations Bill No. 1 Alterations</p> | | | |

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|--|-----------|------------|----------|--|
| <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>Doors, fanlights, fittings, frames, linings, etc which are to be re-used shall be thoroughly overhauled before refixing including taking off, easing and rehangng, 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><u>(CPAP WORK GROUP NO. 102) unless otherwise stated</u></p> <p><u>REMOVAL OF EXISTING WORK</u></p> <p><u>Breaking down and removing brickwork etc</u></p> | | | | |
| <p>1 Air bricks</p> | <p>No</p> | <p>363</p> | | |
| <p style="text-align: right;">Carried to Collection</p> <p>Section No. 2 Repairs and Renovations Bill No. 1 Alterations</p> | | | <p>R</p> | |

Hlamvana High School
Storm Damage Programme

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|---|--|----|-------|---|--|
| | <u>Taking out and removing doors, windows, etc</u> | | | | |
| 2 | Timber single door and frame not exceeding 2,5m ² | No | 60 | | |
| | <u>Taking out doors, windows, etc, including thresholds, sills, etc, setting aside for re-use and later refixing in similar new position</u> | | | | |
| 3 | Single security gate size 900 x 2030mm high overall | No | 51 | | |
| | <u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc</u> | | | | |
| 4 | Competent persons to inspect existing roof coverings and trusses and provide specifications for the removal and replacement (replacement elsewhere measured) of roof structure | m2 | 3,606 | | |
| 5 | Timber trusses not exceeding 10000 x 1500mm high overall | No | 29 | | |
| 6 | Existing Tile roof covering, prepare, clean and set aside for re-use | m2 | 3,606 | | |
| 7 | Fascias and bargeboards | m | 743 | | |
| 8 | Gutters and rainwater pipes | m | 726 | | |
| 9 | Gypsum plasterboard ceilings, including timber bandering, cornices, etc in patches | m2 | 3,606 | | |
| 10 | Ceramic floor tiles | m2 | 176 | | |
| 11 | Vinyl floor tiles | m2 | 343 | | |
| | <u>Taking out and removing sundry joinery work, fittings, etc</u> | | | | |
| 12 | Removal of existing roof trusses including purlins, wall plates, hoop iron ties etc. | m2 | 580 | | |
| 13 | Timber skirtings | m | 1,617 | | |
| 14 | Counter top 1160 x 700 x 70mm thick | No | 1 | | |
| | <u>Taking out and removing ironmongery</u> | | | | |
| 15 | Hinges | No | 120 | | |
| Carried to Collection | | | | R | |
| Section No. 2 Repairs and Renovations Bill No. 1 Alterations | | | | | |

| | | | |
|---|--|----|-------|
| 16 | Door handle | No | 60 |
| 17 | Door lock | No | 60 |
| 18 | Door stop | No | 60 |
| 19 | 1500 x 1500mm High pinning boards | No | 52 |
| 20 | Chalkboards | No | 98 |
| | <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> | | |
| 21 | 25mm Screed from floors | m2 | 3,483 |
| 22 | Internal plaster from walls and columns | m2 | 808 |
| | <u>Making good cement screeds</u> | | |
| 23 | On floors in patches not exceeding 35mm thick | m2 | 1,082 |
| 24 | Screed on floors not exceeding 35mm thick | m2 | 35 |
| | <u>Taking out and removing sanitary fittings, tanks, geysers, etc, including disconnecting from pipes, traps, etc and making good floor and wall finishes (making good tiling and paintwork elsewhere)</u> | | |
| 25 | WC Suite | No | 40 |
| 26 | Toilet seat | No | 22 |
| 27 | Basins | No | 24 |
| 28 | Pillar tap | No | 24 |
| 29 | Double toilet paper holder | No | 26 |
| 30 | Wall mounted brackets for sinks | No | 48 |
| | <u>Taking out and removing existing pipes including fittings and making good floor and wall finishes (making good tiling and paintwork elsewhere)</u> | | |
| 31 | 15mm copper pipes | m | 46 |
| 32 | 22mm Copper pipes | m | 24 |
| Carried to Collection | | | |
| Section No. 2 Repairs and Renovations Bill No. 1 Alterations | | | |

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|----|--|----|-------|---|--|
| | <u>Metal roof coverings:</u> | | | | |
| | <u>Surface preparation</u> <u>High-pressure clean roofs to remove of all dirt. Remove any fungal growth or algae with household bleach (3,5% solution of sodium hypochlorite) thinned 2 parts bleach to 1 part water by volume. Leave on surface for approximately 1 hour and then scrub with a hard bristle brush to remove all dead growth. Rinse thoroughly with fresh water. Allow to dry</u> | | | | |
| | <u>Repair leaks and defective flashing with Plascon multiseal (WSS 2) professional waterproofing compound (PWC 520) or similar approved and the appropriate waterproofing membrane</u> | | | | |
| | <u>Surfaces must be clean, firm and thoroughly dry before painting</u> | | | | |
| | <u>Where large perforations and damages in existing roof sheets, flashings, roof caps, etc are found the contractor is to remove the affected items and replace with new to match the existing (elsewhere masured). Sample of replacement items and technical data sheet to be provided to the Architect for approval prior to installation</u> | | | | |
| | <u>Architectural specification code: RF-M-01</u> | | | | |
| 40 | Existing metal roof coverings (measured on flat) | m2 | 3,430 | | |
| 41 | Flashings | m | 377 | | |
| | <u>Making good and sealing external face brickwork (sealing of face brickwork measured elsewhere)</u> | | | | |
| 42 | Clean down existing face brick walls with high pressure water hose | m2 | 210 | | |
| 43 | Facebrick walls (Architectural Specification Code: WF-FB-01) | m2 | 1,715 | | |
| | <u>Making good exposed concrete</u> | | | | |
| 44 | General maintenance to concrete verandah including washing down, repairing spalling, power float etc | m2 | 686 | | |
| 45 | General maintenance to exposed concrete at stormwater drains including washing down, repairing spalling, etc not exceeding 300mm wide | m | 392 | | |
| | Carried to Collection | | | R | |
| | Section No. 2 | | | | |
| | Repairs and Renovations | | | | |
| | Bill No. 1 | | | | |
| | Alterations | | | | |

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|------------------------------|---|----|--------|---|--|
| | <u>Making good gypsum plasterboard ceilings and timber brandering with taped joints and the whole finished with gypsum plaster trowelled to a smooth polished surface to the thickness recommended by the manufacturer</u> | | | | |
| 46 | Ceilings | m2 | 343 | | |
| | <u>SUNDRIES</u> | | | | |
| | <u>Overall, adjust, service and replace broken or missing hinges, stays, handles, glazing, hacking out damaged beading and re-bead to existing windows including cleaning glazing and frame including the cleaning and treatment for rust to burglar bars. Thereafter inspect and repair damages to frame beading and glazing. Repair all imperfections as per surface preparation guidelines</u> | | | | |
| 47 | Existing Windows | No | 49 | | |
| | <u>OPENINGS THROUGH EXISTING WALLS ETC</u> | | | | |
| | <u>Altering openings</u> | | | | |
| | <u>Structural cracks to internal walls</u> | | | | |
| 48 | Removal of existing plaster of 1500mm wide x 2800mm high to fix vertical crack | m2 | 147.00 | | |
| 49 | Removal of existing plaster of 1500mm high to fix vertical crack | m2 | 196.00 | | |
| 50 | Fix 32mm metal strap against wall including concrete nails | m | 147.00 | | |
| 51 | 20mm Thick plaster to internal walls or to match existing | m2 | 147.00 | | |
| 52 | Suitable crack filler on visible plaster cracks | m2 | 147.00 | | |
| | <u>Structural cracks to external walls</u> | | | | |
| 53 | Remove one skin of existing facebrick to make good to allow for metal strap to be fixed (New brickwork measured elsewhere) | m2 | 49 | | |
| 54 | Fix 32mm metal strap against wall including concrete nails | m | 49.00 | | |
| Carried to Collection | | | | R | |
| Section No. 2 | | | | | |
| Repairs and Renovations | | | | | |
| Bill No. 1 | | | | | |
| Alterations | | | | | |

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|----|--|----|--------|
| 55 | Replace facebricks to match existing including toothing, bonding and making good as per Architects Specification | m2 | 49 |
| | <u>Structural cracks to concrete surface beds</u> | | |
| 56 | Cut and remove of existing concrete to allow for working space | m3 | 49.00 |
| 57 | Drill 250mm long holes and epoxy Y10 bars into existing concrete | No | 294.00 |
| 58 | Y10 bars along the crack | t | 4.900 |
| 59 | 30 Mpa concrete | m3 | 49.00 |
| 60 | Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional) | No | 49.00 |

Carried to Collection

Section No. 2
Repairs and Renovations
Bill No. 1
Alterations

R

Hlamvana High School
Storm Damage Programme

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| Item No | Quantity | Rate | Amount |
|--|----------|------|----------|
| <p><u>BILL NO 3</u></p> <p><u>MASONRY</u></p> <p><u>PREAMBLES</u></p> <p><u>Note:</u></p> <p>The Contractor is referred to the relevant Clauses in the separate document Specifications of Materials and Methods to be Used (PW 371) Fourth Revision October 1993 and the Supplementary Preambles and any amplification/s stated hereunder</p> <hr/> <p><u>SUPPLEMENTARY PREAMBLES</u></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 width and "half brick" the width of a brick</p> <p><u>Hollow walls</u></p> <p>Descriptions of hollow walls shall be deemed to include leaving every fifth perpend of the bottom course of the external skin open as a weep hole</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>Carried to Collection</p> | | | <p>R</p> |
| <p>Section No. 2 Repairs and Renovations Bill No. 2 Masonry</p> | | | |

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|--|---|----|-----|---|--|
| <u>Face bricks</u> | | | | | |
| Bricks shall be ordered timeously to obtain uniformity in size and colour | | | | | |
| <u>Pointing</u> | | | | | |
| Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc | | | | | |
| <u>DECORATIVE BLOCKS</u> | | | | | |
| Blocks shall be of approved manufacture, sound, well burnt or cured and uniform and true in size, shape and colour | | | | | |
| <u>(CPAP WORK GROUP NO. 116) unless otherwise stated</u> | | | | | |
| <u>BRICKWORK</u> | | | | | |
| <u>SUPERSTRUCTURE</u> | | | | | |
| <u>Brickwork of NFP bricks in class II mortar</u> | | | | | |
| 1 | Half brick walls in beamfilling | m2 | 98 | | |
| <u>SUPERSTRUCTURE</u> | | | | | |
| 2 | Air brick | No | 364 | | |
| <u>Galvanised hoop iron cramps, ties, etc</u> | | | | | |
| 3 | 30 x 1,6mm Roof tie 1,5m long with one end built into brickwork or cast in on top of concrete and other end fixed to timber | No | 132 | | |
| Carried to Collection | | | | R | |
| Section No. 2 Repairs and Renovations Bill No. 2 Masonry | | | | | |

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| Item No | | Quantity | Rate | Amount |
|---------|---|----------|------|--------|
| | <u>BILL NO 4</u> | | | |
| | <u>WATERPROOFING</u> | | | |
| | <u>PREAMBLES</u> | | | |
| | <u>Note:</u> | | | |
| | The Contractor is referred to the relevant Clauses in the separate document Specifications of Materials and Methods to be Used (PW 371) Fourth Revision October 1993 and the Supplementary Preambles and any amplification/s stated hereunder | | | |
| | <u>SUPPLEMENTARY PREAMBLES</u> | | | |
| | <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>(CPAP WORK GROUP NO. 120) unless otherwise stated</u> | | | |
| | <u>WATERPROOFING TO ROOFS, BASEMENTS, ETC</u> | | | |
| | One layer 1,7mm self-adhesive fully bonded waterproof membrane comprising 1,4mm rubberised asphalt and a layer of heat-resistant woven polypropylene mesh, laid with 75mm side and 100mm end laps | | | |
| 1 | On concrete roofs | m2 | 14 | |
| | <u>SEALING STRIPS, JOINT SEALANTS, ETC</u> | | | |
| | <u>Silicone joint sealing strips</u> | | | |
| 2 | Approximately 5 x 5mm In joints between window frames and walls | m | 144 | |
| | Carried Forward to Summary of Section No. 2 | | R | |
| | Section No. 2 Repairs and Renovations Bill No. 3 Waterproofing | | | |

| Item No | | Quantity | Rate | Amount |
|---------|---|----------|-------|--------|
| | <u>BILL NO 5</u> | | | |
| | <u>ROOF COVERINGS</u> | | | |
| | <u>PREAMBLES</u> | | | |
| | <u>Note:</u> | | | |
| | The Contractor is referred to the relevant Clauses in the separate document Specifications of Materials and Methods to be Used (PW 371) Fourth Revision October 1993 and the Supplementary Preambles and any amplification/s stated hereunder | | | |
| | <u>(CPAP WORK GROUP NO. 124) unless otherwise stated</u> | | | |
| | <u>PROFILED METAL SHEETING AND ACCESSORIES</u> | | | |
| | <u>TILES</u> | | | |
| | <u>Concrete roof tiles to match existing tiles fixed to timber battens spaced as per structural engineer's specification</u> | | | |
| 1 | Roof covering with pitches not exceeding 17.5 degrees | m2 | 3,500 | |
| 2 | Concrete ridge cap | m | 343 | |
| 3 | Concrete Barge Ridge | m | 240 | |
| | <u>ROOF AND WALL INSULATION</u> | | | |
| 4 | 50mm Lamdaboard Insulation sheeting fixed to underside of rafters not exceeding 400mm centres and double-sided tape at edges where required | m2 | 3,430 | |
| | Carried Forward to Summary of Section No. 2 | | | |
| | Section No. 2 | | | |
| | Repairs and Renovations | | | |
| | Bill No. 4 | | | |
| | Roof Coverings | | | |

| Item No | Quantity | Rate | Amount |
|--|----------|------|----------|
| <p><u>BILL NO 6</u></p> <p><u>CARPENTRY AND JOINERY</u></p> <p><u>PREAMBLES</u></p> <p><u>Note:</u></p> <p>The Contractor is referred to the relevant Clauses in the separate document Specifications of Materials and Methods to be Used (PW 371) Fourth Revision October 1993 and the Supplementary Preambles and any amplification/s stated hereunder</p> <hr/> <p><u>SUPPLEMENTARY PREAMBLES</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>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>SUPPLEMENTARY PREAMBLES</u></p> | | | |
| <p>Carried to Collection</p> | | | <p>R</p> |
| <p>Section No. 2 Repairs and Renovations Bill No. 5 Carpentry and Joinery</p> | | | |

(CPAP WORK GROUP NO. 126) unless otherwise stated

ROOFS ETC

SUPPLEMENTARY PREAMBLES

Plate nailed timber roof truss construction etc

Tenderers are to make allowance in their rates for additional expenses in regard to treatment of timber against insect pest affecting softwood fixed permanently in the building

The design of prefabricated roof trusses, bracings and secondary members forming part of the total timber roof construction shall be prepared by a professional structural engineer- Truss System Engineer

A copy of letter reference TR1 and TR2 must be completed and signed by the Truss System Engineer and submitted to the Architect

The tenderer is to allow in his rates for the roof trusses for the design, manufacture, supply, hoisting and fixing of the roof trusses and permanent bracings, any necessary temporary bracing, and for the costs of all inspections by the Truss System Engineer

Trusses are at maximum 1150mm centres

Roof coverings are 0,58mm embossed profile metal sheets on 50 x 76mm purlins

Ceilings are 12.5mm gypsumboard or mineral wool suspended ceilings on 38 x 50mm brandering or metal tees

Sawn softwood

Carried to Collection

Section No. 2
Repairs and Renovations
Bill No. 5
Carpentry and Joinery

R

**PLATE NAILED TIMBER ROOF TRUSS
CONSTRUCTION ETC**

- | | | | |
|---|--|----|----|
| 1 | Design, manufacture, supply, hoist and fix gang nailed trusses not exceeding 10000 x 1500mm high including trusses, rafters, temporary and permanent bracings, wall plates, runners, gangboards, valley boards, teco products, etc all as per Engineers design. Roof pitch not exceeding 22,5 degrees. The Contractor must submit the required TR1 and TR2 certificates which certify that the gang-nailed roof trusses have been designed by an approved competent person (registered with ECSA) and the TR2 certificate confirms that the installation of the gang-nailed roof trusses on site has been inspected, checked for compliance with the roof truss shop drawings and approved by an approved competent person (registered with ECSA). | No | 29 |
|---|--|----|----|

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|---|---|---|-------|
| 2 | 38 x 38mm Purlins installed as per architectural drawings | m | 4,004 |
|---|---|---|-------|

Sundries

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|---|---|----|-----|
| 3 | Two coats creosote on wall plate and exposed roof timbers | m2 | 104 |
|---|---|----|-----|

Tenderers are to make allowance in their rates for additional expenses in regard to treatment of timber against insect pest affecting softwood fixed permanently in the building

EAVES, VERGES, ETC

High density plain fibre-cement flat sheets

EVERITE NUTEC pressed fibre-cement fascia boards 12mm thick with aluminium H-profile fascia joiners (Product no. 685-195) screwed to soffit batten and purlin with cadmium-plated screws. Fixing to be hidden and no short fascia lengths permitted. Fascias to be sealed all sides.

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|---|--|---|-----|
| 4 | 12 x 225mm Fascias, including galvanised steel H-profile joiners (product no. 685-195) | m | 824 |
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SKIRTINGS

RAILS

Carried to Collection

R

Section No. 2
Repairs and Renovations
Bill No. 5
Carpentry and Joinery

| | | | | | |
|---|---|----|----|---|--|
| | <u>S A Pine</u> | | | | |
| 5 | 22 x 45mm Rebated and moulded dado rail | m | 8 | | |
| | <u>DOORS ETC</u> | | | | |
| | <u>Soild flush panel door leaf with veneer with 6.4mm laminated safety glass fanlights as per Bruply</u> | | | | |
| 6 | 40mm Door 813 x 2032mm high | No | 62 | | |
| | <u>Soild flush panel 1 and a half door leaf with veneer as per Bruply sanded down and treated with "Ruboult"</u> | | | | |
| 7 | 40mm Door 1575 x 2032mm high | No | 1 | | |
| | <u>Soild flush panel door leaf with veneer as per Bruply</u> | | | | |
| | <u>CUPBOARDS TO KITCHENS, BEDROOMS, ETC</u> | | | | |
| | <u>High density plain fibre-cement fascias</u> | | | | |
| | <u>SUPPLEMENTARY PREAMBLES</u> | | | | |
| | <p>The following cupboard fittings have been given as complete units i.e. the components of the units have not been given separately. Descriptions of such units shall, therefore, be deemed to include all components, assembling, housing, notching, glueing, blocking, planting-on and screwing with countersunk screws, edge strips, thermosetting plastic laminate, glass, ironmongery, metalwork, paint or varnish finishes, etc</p> <p>Prices are to include for all necessary filler pieces against walls etc</p> <p><u>References</u></p> <p>References given in descriptions refer to the respective types of fittings detailed on the architect's drawings numbered annexed to these bills of quantities for tender purposes</p> | | | | |
| | Carried to Collection | | | R | |
| | Section No. 2 | | | | |
| | Repairs and Renovations | | | | |
| | Bill No. 5 | | | | |
| | Carpentry and Joinery | | | | |

| | | | | | |
|---|---|----|----|--|---|
| | <u>Store room shelves etc</u> | | | | |
| 8 | Store room shelves type 2250 x 900 x 2900mm high including 25 x 50 x 2.5mm mild steel hollow section framework bolted with M10 heavy duty bolts with 25mm thick hardwood fixed to steel frame and 50 x 25 x 2.5mm thick mild steel bracket welded to frame and fixed to floor using M10 heavy duty bolts with adjustable foot (inner shelves-not fixed to the wall) | No | 6 | | |
| 9 | Store room shelves type 2250 x 880 x 2900mm high including 25 x 50 x 2.5mm mild steel hollow section framework bolted with M10 heavy duty bolts with 25mm thick hardwood fixed to steel frame and 100 x 50 x 25 x 2.5mm thick mild steel bracket welded to frame and fixed to floor using M10 heavy duty bolts with adjustable foot | No | 9 | | |
| | <u>Classroom cupboards</u> | | | | |
| 10 | Passage cupboards type 2500 x 600 x 1300mm, 16mm thick red oak "BISON PLY" with finish on both sides with 10mm solid red oak edging strips to all exposed edges with edging strip corners to be 45 degrees counter backing | No | 26 | | |
| Carried to Collection | | | | | |
| Section No. 2 Repairs and Renovations Bill No. 5 Carpentry and Joinery | | | | | R |

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| Item No | Quantity | Rate | Amount |
|---|----------|------|--------|
| <u>BILL NO 7</u> | | | |
| <u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u> | | | |
| <u>PREAMBLES</u> | | | |
| <u>Note:</u> | | | |
| The Contractor is referred to the relevant Clauses in the separate document Specifications of Materials and Methods to be Used (PW 371) Fourth Revision October 1993 and the Supplementary Preambles and any amplification/s stated hereunder | | | |
| <hr/> | | | |
| <u>SUPPLEMENTARY PREAMBLES</u> | | | |
| <u>Fixing</u> | | | |
| Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete | | | |
| Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere | | | |
| <u>Ceilings</u> | | | |
| Unless otherwise described ceilings shall be deemed to be horizontal | | | |
| <u>Steel components</u> | | | |
| All steel components for ceilings, partitions, etc are to be galvanised in accordance with SANS 121 | | | |
| <u>(CPAP WORK GROUP NO. 129) unless otherwise stated</u> | | | |
| <u>CEILING TIMBERS, BEADS, INSULATION, ETC</u> | | | |
| Carried to Collection | | | R |
| Section No. 2 | | | |
| Repairs and Renovations | | | |
| Bill No. 6 | | | |
| Ceilings, Partitions and Access Flooring | | | |

| | | | | | |
|--|---|----|-------|---|--|
| | <u>"Isotherm" polyester high density 7-10kg/m3 thermbonded insulation blanket</u> | | | | |
| 1 | 150mm Thick insulation fitted above ceilings | m2 | 3,430 | | |
| | <u>NAILED-UP CEILINGS</u> | | | | |
| | <u>SUPPLEMENTARY PREAMBLES</u> | | | | |
| | <u>Openings</u> | | | | |
| | Prices for openings for light fittings, ventilation grilles, air conditioning diffusers, etc are to include for any necessary additional support, trimming around, etc | | | | |
| | <u>12.5mm Gypsum plasterboard with rhinotape and all screw heads to be stopped and sanded level when dry</u> | | | | |
| 2 | Ceilings including 50 x 50mm sawn softwood brandering at 400mm centres and cross brandering at 700mm centres | m2 | 3,430 | | |
| 3 | Extra over ceiling for 600 x 600mm trap door of 38 x 114mm wrought softwood rebated framing with one cross brander, covered with ceiling board and fitted flush in opening, including necessary trimmers around | No | 51 | | |
| | <u>Gypsum plasterboard cornices</u> | | | | |
| 4 | 83mm Coved cornices as per 'Masonite' nailed at max 300mm centres | m | 1,732 | | |
| Carried to Collection | | | | R | |
| Section No. 2 Repairs and Renovations Bill No. 6 Ceilings, Partitions and Access Flooring | | | | | |

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| Item No | | Quantity | Rate | Amount |
|---------|---|----------|-------|--------|
| | <u>BILL NO 8</u> | | | |
| | <u>FLOOR COVERINGS, WALL LININGS, ETC</u> | | | |
| | <u>PREAMBLES</u> | | | |
| | <u>Note:</u> | | | |
| | The Contractor is referred to the relevant Clauses in the separate document Specifications of Materials and Methods to be Used (PW 371) Fourth Revision October 1993 and the Supplementary Preambles and any amplification/s stated hereunder | | | |
| | <u>SUPPLEMENTARY PREAMBLES</u> | | | |
| | <u>SELF LEVELLING SCREEDS</u> | | | |
| | <u>Laying</u> | | | |
| | Self-levelling screed to be laid on a dry clean surface. Screed to be laid in accordance with the manufacturer's specification with the relevant primers and bonding agents. Floor must comply with SABS 0155 1980 where no wave should exceed 3mm over a 3m span | | | |
| | <u>Fixing</u> | | | |
| | Floor coverings, wall linings, etc shall, where applicable, be fixed with adhesive as recommended by the manufacturers of the flooring, linings, etc | | | |
| | <u>FLOOR COVERINGS</u> | | | |
| | <u>2mm thick fully flexible vinyl sheeting as per Architects specification, acrylic adhesive to be laid on and including new TAL screedmaster self-levelling screed according to the manufacturer's specification</u> | | | |
| 1 | On floors | m2 | 3,430 | |
| | <u>POLISH, SEALERS, ETC</u> | | | |
| 2 | 2 coats wax polish on vinyl flooring | m2 | 3,430 | |
| | Carried Forward to Summary of Section No. 2 | | | |
| | Section No. 2 | | | |
| | Repairs and Renovations | | | |
| | Bill No. 7 | | | |
| | Floor Coverings, Wall Linings, etc. | | | |

| Item No | Quantity | Rate | Amount |
|--|----------|------|----------|
| <p><u>BILL NO 9</u></p> <p><u>IRONMONGERY</u></p> <p><u>PREAMBLES</u></p> <p><u>Note:</u></p> <p>The Contractor is referred to the relevant Clauses in the separate document Specifications of Materials and Methods to be Used (PW 371) Fourth Revision October 1993 and the Supplementary Preambles and any amplification/s stated hereunder</p> <hr/> <hr/> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Proprietary items</u></p> <p>Where applicable the manufacturers' names or product catalogue titles are given in sub-headings preceding the items</p> <p>Prices are to be based on the specific products/articles specified. If tenderers wish to offer alternative products/articles for certain items, these items are to be clearly marked and the alternative specification given with supporting brochures etc clarifying the features of the products/articles offered</p> <p>On request returnable samples are to be provided to the principal agent for consideration</p> | | | |
| <p>Carried to Collection</p> | | | <p>R</p> |
| <p>Section No. 2 Repairs and Renovations Bill No. 8 Ironmongery</p> | | | |

| | | | | | |
|---|---|----|-----|--|---|
| | <p><u>Finishes to ironmongery</u></p> <p>Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list: BS Satin bronze lacquered CH Chromium plated SC Satin chromium plated SE Silver enamelled GE Grey enamelled AN Anodised natural AS Anodised silver AB Anodised bronze AG Anodised gold ABL Anodised black PB Polished brass PL Polished and lacquered PT Epoxy coated SD Sanded</p> <p><u>(CPAP WORK GROUP NO. 132) unless otherwise stated</u></p> <p><u>HINGES, BOLTS, ETC</u></p> <p><u>"Union" or equal approved</u></p> | | | | |
| 1 | SS 2BB BUTT HINGE EN1935GRD13 (JH-BB-STD-2-SS) | No | 124 | | |
| | <p><u>LOCKS</u></p> <p><u>"EN-SUITE" LOCKS</u></p> <p>The following locks are to be suitable for master key operation</p> <p><u>"Union" or equal approved</u></p> | | | | |
| 2 | 4 lever union lock set | No | 62 | | |
| 3 | Union Euro CYL Deadlock SS (L-2109-78SS) | No | 51 | | |
| 4 | Union bathroom lock SS (2226-78SS) | No | 2 | | |
| | <p><u>DOOR CLOSERS</u></p> <p><u>"Dorma" or equal approved</u></p> | | | | |
| 5 | R & P Closer EN3-6 SIL (DC300) | No | 4 | | |
| Carried to Collection | | | | | R |
| <p>Section No. 2 Repairs and Renovations Bill No. 8 Ironmongery</p> | | | | | |

| | | | | |
|---|---|-------|----|---|
| <u>HANDLES</u> | | | | |
| <u>"Union" or equal approved</u> | | | | |
| 6 | 350mm Back to back pull handle (5213BBSS) | Pairs | 62 | |
| <u>LETTERS, NAMEPLATES, ETC</u> | | | | |
| <u>"Union" or equal approved</u> | | | | |
| 7 | 5mm Thick perspex plate with engraved and painted letters or numerals for office doors | No | 62 | |
| <u>"Solid" or equal approved</u> | | | | |
| 8 | Tea/Kitchen sign (SS5066-06SSE02) | No | 1 | |
| 9 | Male indicator sign (SS5066-06SSSE10) | No | 3 | |
| 10 | Female indicator sign (SS5066-06SSSE11) | No | 3 | |
| 11 | Paraplegic Toilet sign (SS5066-06SSSE14) | No | 5 | |
| 12 | 150 x 150mm Anodised aluminium plate with fire exit, fire extinguisher, fire hose reel or fire hydrant symbol and directional signage | No | 4 | |
| <u>KICK PLATES, ETC</u> | | | | |
| <u>Stainless steel kick plates and push plates</u> | | | | |
| 13 | Kick plates 200 x 800mm wide | No | 75 | |
| <u>ALUMINIUM VENTILATION LOUVRES</u> | | | | |
| <u>Trox natural anodised aluminium ventilation louvre fitted to hardwood door including cutting the hole in the door and fixing vent in place</u> | | | | |
| 14 | <u>Louvres 400 x 400mm high</u> | No | 8 | |
| <u>SUNDRIES</u> | | | | |
| <u>"Union" or equal approved</u> | | | | |
| 15 | Floor door stop satin SS (87001SS) | No | 62 | |
| 16 | Hat and coat hook with buffer (SS8025SS) | No | 13 | |
| Carried to Collection | | | | R |
| Section No. 2 Repairs and Renovations Bill No. 8 Ironmongery | | | | |

BATHROOM FITTINGS

"Union" or equal approved

| | | | |
|----|--------------|----|---|
| 17 | Sanitary bin | No | 2 |
|----|--------------|----|---|

BLINDS (PROVISIONAL)

Hunter Douglas SA supplying Luxaflex or equal approved manually operated 127mm 'Solar Bloc Grey' (code:240100),privacy and light control fabric vertical blinds complete with standard stacking flame retardant slats ,recess fixed to walls Contact no: (011) 624-1222/3/4

| | | | |
|----|--|----|---|
| 18 | 673 x 511mm high overall (Window type SS21/SS21) | No | 4 |
|----|--|----|---|

| | | | |
|----|----------------------------|----|---|
| 19 | 2000 x 2400mm high overall | No | 8 |
|----|----------------------------|----|---|

PINNING BOARDS, WRITING BOARDS, PROJECTION SCREENS, ETC

Vitrex System 2000 Pin Boards of Flortime Premier pinning material (colour:misty) laminated to a soft board, the unit to be beaded all around with a aluminum channels surround mitered at the corners (code:2304). Pin board supplied complete with necessary fixing components and fixed in position strictly according to manufacturer's instructions.

| | | | |
|----|--|----|-----|
| 20 | Pinning boards size 1000 x 1500mm high | No | 106 |
|----|--|----|-----|

| | | | |
|----|--------------------------------------|----|-----|
| 21 | White boards size 1000 x 1500mm high | No | 106 |
|----|--------------------------------------|----|-----|

Carried to Collection

R

Section No. 2
Repairs and Renovations
Bill No. 8
Ironmongery

[illegible]

| Item No | Quantity | Rate | Amount |
|---|----------|------|----------|
| <p><u>BILL NO. 10</u></p> <p><u>METALWORK</u></p> <p><u>PREAMBLES</u></p> <p><u>Note:</u></p> <p>The Contractor is referred to the relevant Clauses in the separate document Specifications of Materials and Methods to be Used (PW 371) Fourth Revision October 1993 and the Supplementary Preambles and any amplification/s stated hereunder</p> <hr/> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Descriptions of bolts, anchors, etc</u></p> <p>Descriptions of bolts shall be deemed to include nuts and washers</p> <p>Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete</p> <p>Items described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described</p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres</p> <p><u>(CPAP WORK GROUP NO. 136) unless otherwise stated</u></p> <p><u>STEEL GATES</u></p> | | | |
| <p>Carried to Collection</p> | | | <p>R</p> |
| <p>Section No. 2 Repairs and Renovations Bill No. 9 Metalwork</p> | | | |

| | | | | | |
|---|---|----|----|---|--|
| | <u>Gates</u> | | | | |
| 1 | 40 x 40 x 3mm Galvanised mild steel gate with mitred corners including pre-drilled holes for barrel bolt locking, including padlock, including 50 x 50 x 3mm square galvanised mild steel hollow section gate frame with mitred corners, bolted to concrete palisade posts through pre-drilled holes in steel frame, overall size 950 x 2195mm high as per gate schedule GT01 | No | 50 | | |
| 2 | Galvanised mild steel double gate with mitred corners including mentex flatex mesh welded to gate frame including 3 x 50 x 50mm square hollow section galvanised mild steel gate frame with mitred corners, bolted to concrete palisade posts through pre-drilled holes in steel frame, overall size 1700 x 2100mm high as per gate schedule GT03 | No | 1 | | |
| | <u>GALVANISED STEEL WINDOWS, DOORS, ETC</u> | | | | |
| | <u>Standard industrial type rolled steel window sections with standard brass fittings and with standard 20 x 5mm flat section burglar bars to fixed and opening sections</u> | | | | |
| 3 | Window type SS21/SS21, 673 x 511mm high overall | No | 50 | | |
| 4 | Window type, 2000 x 2400mm high overall | No | 3 | | |
| | <u>GALVANISED PRESSED STEEL DOOR FRAMES</u> | | | | |
| | <u>1,6mm Single rebated mild steel frames suitable for one brick walls</u> | | | | |
| 5 | Frame for door 813 x 2032mm high | No | 61 | | |
| | <u>1,6mm Single rebated mild steel frames suitable for one brick walls (180 degrees swing)</u> | | | | |
| 6 | Frame for door 1690 x 2032mm high | No | 1 | | |
| | <u>SERVICING OF EXISTING STEEL DOOR FRAMES</u> | | | | |
| | <u>Overall, adjust, service, replace missing or broken hinges, striking plate, etc and leave in perfect working condition</u> | | | | |
| 7 | Frame for door 813 x 2032mm high in one brickwall | No | 2 | | |
| | Carried to Collection | | | R | |
| | Section No. 2 Repairs and Renovations Bill No. 9 Metalwork | | | | |

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| Item No | | Quantity | Rate | Amount |
|------------|---|----------|------|--------|
| | <u>BILL NO. 11</u> | | | |
| | <u>PLASTERING</u> | | | |
| | <u>PREAMBLES</u> | | | |
| | <u>Note:</u> | | | |
| | The Contractor is referred to the relevant Clauses in the separate document Specifications of Materials and Methods to be Used (PW 371) Fourth Revision October 1993 and the Supplementary Preambles and any amplification/s stated hereunder | | | |
| | <hr/> | | | |
| | <u>GRANOLITHIC</u> | | | |
| | <u>Method</u> | | | |
| | The method to be used shall be either the monolithic method or the bonded method | | | |
| | <u>Preparation</u> | | | |
| | For granolithic applied monolithically, the concrete floor shall be swept clean after bleeding of the concrete has ceased and the slab has begun to stiffen; any remaining bleed water shall be removed and the granolithic applied immediately thereafter. For granolithic to be bonded to the floor slab after it has hardened, the slab surface shall be hacked (preferably by mechanical means) until all laitance, dirt, oil, etc is dislodged and swept clean of all loose matter. The slab shall then be wetted and kept damp for at least six hours before applying the granolithic | | | |
| | <u>Mix</u> | | | |
| | Granolithic shall attain a compressive strength of at least 41MPa. The coarse aggregate shall comply with SANS 1083 and shall generally be capable of passing a 10mm mesh sieve. Where the thickness of the granolithic exceeds 25mm, the size of the coarse aggregate shall be increased to the maximum size compatible with the thickness of the granolithic | | | |
| | Carried to Collection | | R | |
| | Section No. 2 | | | |
| | Repairs and Renovations | | | |
| | Bill No. 10 | | | |
| | Plastering | | | |

Panels

Granolithic shall be laid in panels not exceeding 14m² for monolithic finishes, not exceeding 9,5m² for bonded finishes and not exceeding 6m² for all external granolithic. Wherever possible, panels shall be square but at no time should the length of the panel exceed 1,5 times its width

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

Laying

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

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

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

Curing, seasoning and protection

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

Colour

Coloured granolithic shall be tinted with an approved colouring pigment mixed into a true and even colour

(CPAP WORK GROUP NO. 142) unless otherwise stated

Carried to Collection

Section No. 2
Repairs and Renovations
Bill No. 10
Plastering

R

PREAMBLES

The contractor is referred to relevant Clause in the document Model Preambles for Trades and Methods as published by the Association of South African Quantity Surveyors (2008 edition)

SCREEDS

Cement plaster screeds steel trowelled, on concrete

| | | | |
|---|---|----|-------|
| 1 | Average 20mm thick on roofs with upper surface to falls | m2 | 3,690 |
|---|---|----|-------|

GRANOLITHIC

Non-slip untinted granolithic, on concrete

| | | | |
|---|----------------------|----|-----|
| 2 | 35mm Thick on floors | m2 | 294 |
|---|----------------------|----|-----|

INTERNAL PLASTER

15mm Cement plaster steel trowelled, on brickwork

| | | | |
|---|----------|----|-----|
| 3 | On walls | m2 | 767 |
|---|----------|----|-----|

| | | | |
|---|------------------|----|---|
| 4 | On narrow widths | m2 | 6 |
|---|------------------|----|---|

EXTERNAL PLASTER

Cement plaster wood floated, on brickwork

| | | | |
|---|----------|----|-------|
| 5 | On walls | m2 | 1,124 |
|---|----------|----|-------|

Carried to Collection

R

Section No. 2
Repairs and Renovations
Bill No. 10
Plastering

Hlamvana High School Storm Damage Programme

[illegible]

| Item No | Quantity | Rate | Amount |
|--|----------|------|----------|
| <p><u>BILL NO. 12</u></p> <p><u>TILING</u></p> <p><u>PREAMBLES</u></p> <p><u>Note:</u></p> <p>The Contractor is referred to the relevant Clauses in the separate document Specifications of Materials and Methods to be Used (PW 371) Fourth Revision October 1993 and the Supplementary Preambles and any amplification/s stated hereunder</p> <hr/> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Fixing</u></p> <p>Unless described as "fixed with adhesive to plaster (plaster elsewhere)" descriptions of tiling on brick or concrete walls, columns, etc shall be deemed to include 1:4 cement plaster backing and descriptions of tiling on concrete floors etc shall be deemed to include 1:3 plaster bedding</p> <p>Tiling described as "fixed with adhesive on power floated concrete" shall be deemed to include for approved tiling key-coat</p> <p>Ceramic, porcelain, marble and granite tiles are to be fixed and grouted with suitable adhesives and grouts from the "Tal Professional" ("Ceresit Tylon") range of products as recommended by the manufacturer of the tiles</p> <p><u>(CPAP WORK GROUP NO. 144) unless otherwise stated</u></p> <p><u>WALL TILING</u></p> | | | |
| <p>Carried to Collection</p> | | | <p>R</p> |
| <p>Section No. 2 Repairs and Renovations Bill No. 11 Tiling</p> | | | |

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Hlamvana High School Storm Damage Programme

[illegible]

| Item No | Quantity | Rate | Amount |
|--|----------|------|----------|
| <p><u>BILL NO. 13</u></p> <p><u>PLUMBING AND DRAINAGE</u></p> <p><u>(PROVISIONAL)</u></p> <p><u>PREAMBLES</u></p> <p><u>Note:</u></p> <p>The Contractor is referred to the relevant Clauses in the separate document Specifications of Materials and Methods to be Used (PW 371) Fourth Revision October 1993 and the Supplementary Preambles and any amplification/s stated hereunder</p> <hr/> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Wire gratings</u></p> <p>Descriptions of gutter outlets etc shall be deemed to include wire balloon gratings</p> <p><u>Stainless steel basins, sinks, wash troughs, urinals, etc</u></p> <p>Stainless steel for economy basins, domestic sinks and worktops shall be Type 430 (17/0)</p> <p>Stainless steel for urinals, basins, quality sinks, wash troughs, institutional equipment, etc shall be Type 304 (18/8)</p> <p>Stainless steel for laboratory sinks, photographic equipment, etc shall be Type 316 (18/8)</p> <p>Units shall have standard aprons on all exposed edges and tiling keys against walls where applicable</p> <p><u>Sealing of edges</u></p> <p>Outer edges of sinks, basins, baths, urinals, etc are to be sealed against adjacent surfaces with approved silicone</p> | | | |
| <p>Carried to Collection</p> | | | <p>R</p> |
| <p>Section No. 2 Repairs and Renovations Bill No. 12 Plumbing and Drainage (Provisional)</p> | | | |

uPVC pipes and fittings

Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings

Soil, waste and vent pipes and fittings shall be solvent weld jointed or sealed with butyl rubber rings

uPVC pressure pipes and fittings

Pipes of 50mm diameter and smaller shall be plain ended with solvent welded uPVC loose sockets and fittings

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

High density polyethylene (HDPE) pipes and fittings

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

"Polycop" polypropylene pipes

Polypropylene pipes 54mm diameter and smaller shall be seamless copper coloured Class 16 pipes jointed with "Fast-fuse" heat welded thermoplastic or where so described "Polylock" compression fittings

Pipes shall be firmly fixed to walls, etc with coloured nylon snap-in pipe clips with provision for accommodating thermal movement and jointed and fixed strictly in accordance with the manufacturer's instructions

Copper pipes

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

Carried to Collection

Section No. 2
Repairs and Renovations
Bill No. 12
Plumbing and Drainage (Provisional)

R

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

Reducing fittings

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

Fixing of pipes

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

Paper wrapping to pipes

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

Disinfection of water pipework

Water pipework is to be disinfected at completion in accordance with SABS 1200L

"Densyl" petrolatum anti-corrosion tape as manufactured by Denso SA (Pty) Ltd.

Pipes to be taped shall be coated with the appropriate primer and the tape shall be applied in the appropriate widths and with overlaps

Couplings and fittings to pipes shall be taped in strict accordance with the manufacturer's instructions including mastic, tape, "Layflat" sheeting, securing of same, etc

Prices for wrapping of pipes shall include for all work as described to couplings in the length

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Section No. 2
Repairs and Renovations
Bill No. 12
Plumbing and Drainage (Provisional)

R

Laying, backfilling, bedding, etc of pipes

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

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

SABS 1200L : Medium-pressure pipelines

SABS 1200LD : Sewers

SABS 1200LE: Stormwater drainage

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

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

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

General

Descriptions of 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)

Descriptions of overflow pipes where measured in number, shall be deemed to include joints to cisterns and splay cut ends

Descriptions of pipes laid in and including trenches and of inspection chambers, catchpits, etc shall be deemed to include excavation, bedding, backfilling, compaction and disposal of surplus material on site

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

Descriptions of WC pans, slop hoppers, etc shall be deemed to include for joints to soil pipes (pan connectors are separately measured)

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R

(CPAP WORK GROUP NO. 148) unless otherwise stated

RAINWATER DISPOSAL

Seamless aluminium gutters and rainwater pipes with baked enamel finish

Seamless aluminium prepainted gutters and rainwater pipes

| | | | |
|---|--|----|-----|
| 1 | 75 x 125mm PVC gutters | m | 775 |
| 2 | Extra over gutter for outlet for 100 x 75mm pipe | No | 29 |
| 3 | Extra over gutter for stopped end | No | 29 |
| 4 | 100 x 75mm Rainwater pipes | m | 113 |
| 5 | Extra over rainwater pipe for shoe | No | 29 |
| 6 | Extra over rainwater pipe for eaves or plinth offset | No | 57 |

SOIL DRAINAGE

uPVC pipes

| | | | |
|---|--|---|----|
| 7 | 110mm Vent pipes vertically to walls | m | 24 |
| 8 | 110mm Pipes laid in and including trenches not exceeding 1m deep | m | 84 |
| 9 | 110m Pipes laid in and including trenches exceeding 1m and not exceeding 2m deep | m | 24 |

Extra over uPVC pipes for fittings

| | | | |
|----|-----------------------|----|----|
| 10 | 110mm Bend | No | 64 |
| 11 | 110mm Access junction | No | 42 |

SANITARY FITTINGS

Carried to Collection

R

Section No. 2
Repairs and Renovations
Bill No. 12
Plumbing and Drainage (Provisional)

| | | | | | |
|----|--|----|----|---|--|
| | <u>"Vaal" or similar approved</u> | | | | |
| 12 | "Protea Paraplegic" WC suite comprising suite product code 750246 comprising white vitreous china pan or similar approved with 90 degrees P-trap, conversion bend complete with white heavy duty single plastic flap seat and matching 9 litre vitreous china cistern complete with lid, fittings and flush pipe (code 710539) including C.P flush lever with bottom inlet pipe which must be on the same side as as flush lever | No | 1 | | |
| 13 | WC suite white aquasave low level suite product code 750151 comprising white vitreous china pan or similar approved with 90 degrees P-trap, conversion bend complete with white heavy duty single plastic flap seat and matching 6 litre SISO white vitreous china cistern complete with lid, fittings and flush pipe | No | 43 | | |
| 14 | 7023 Vaal Hibiscus basin 510 x 405mm with two tapholes integrated overflow and chainstay hole bolted to wall with two 10mm bolts 8448ZO | No | 26 | | |
| | <u>WASTE UNIONS ETC</u> | | | | |
| | <u>"Cobra Watertech"</u> | | | | |
| 15 | 32mm 301 CP basin waste union | No | 26 | | |
| 16 | 40mm 309-40 CP anti-theft plug with spindle | No | 26 | | |
| | <u>TRAPS ETC</u> | | | | |
| | <u>uPVC</u> | | | | |
| 17 | 38mm "P" or "S" trap | No | 26 | | |
| | <u>"Cobra Watertech" or equal approved</u> | | | | |
| | <u>Brass</u> | | | | |
| 18 | 40mm Floor drain with CP grating | No | 8 | | |
| | <u>TAPS, VALVES, ETC</u> | | | | |
| | <u>Brass</u> | | | | |
| 19 | 15mm Stopcock | No | 8 | | |
| 20 | 20mm Stopcock | No | 4 | | |
| | Carried to Collection | | | R | |
| | Section No. 2 | | | | |
| | Repairs and Renovations | | | | |
| | Bill No. 12 | | | | |
| | Plumbing and Drainage (Provisional) | | | | |

| | | | |
|----|--|----|----|
| 21 | 15mm Fullway gate valve | No | 6 |
| 22 | 22mm Fullway gate valve | No | 4 |
| | <u>"Cobra Watertech"</u> | | |
| 23 | 15mm, 111-15CP "Star" pillartap | No | 26 |
| 24 | 15mm, 505-21CP Lever elbow action pillartap | No | 1 |
| | <u>SANITARY PLUMBING</u> | | |
| | <u>uPVC soil and vent pipes</u> | | |
| 25 | 50mm Pipes | m | 52 |
| 26 | 50mm Pipes chased into concrete surface beds | m | 12 |
| 27 | 110mm Pipes laid in and including trenches not exceeding 1m deep | m | 63 |
| 28 | 110mm Pipes | m | 36 |
| | <u>Extra over uPVC soil and vent pipes for fittings</u> | | |
| 29 | 50mm BSP adaptor | No | 26 |
| 30 | 50mm Strap on boss | No | 26 |
| 31 | 50mm Bend | No | 26 |
| 32 | 50mm Junction | No | 26 |
| 33 | 50mm Access bend | No | 26 |
| 34 | 110mm Eccentric reducer | No | 42 |
| 35 | 110mm Pan connector | No | 42 |
| 36 | 110mm Bend | No | 42 |
| 37 | 110mm Reducing junction | No | 42 |
| 38 | 110mm Access bend | No | 42 |
| 39 | 110mm Access bend with anti-syphon horn | No | 42 |
| 40 | 110mm Access reducing junction | No | 42 |
| | Carried to Collection | | |
| | Section No. 2 | | |
| | Repairs and Renovations | | |
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| | Plumbing and Drainage (Provisional) | | |

R

| | | | |
|--|--|----|------|
| 41 | 110mm Two way vent valve | No | 12 |
| | <u>Testing</u> | | |
| 42 | Testing waste pipe system | | Item |
| | <u>WATER SUPPLIES</u> | | |
| | <u>Class 1 copper pipes with capillary couplings</u> | | |
| 43 | 15mm Pipes | m | 65 |
| 44 | 22mm Pipes | m | 35 |
| | <u>Extra over Class1 copper pipes for capillary fittings</u> | | |
| 45 | 15mm Fittings | No | 97 |
| 46 | 22mm Fittings | No | 42 |
| 47 | 15mm Flexible service pipe | No | 68 |
| | <u>TESTING</u> | | |
| 48 | Testing water pipe system | | Item |
| | <u>FIRE APPLIANCES ETC</u> | | |
| 49 | 4.5kg Dry chemical powder fire extinguisher | No | 3 |
| Carried to Collection | | | |
| Section No. 2 Repairs and Renovations Bill No. 12 Plumbing and Drainage (Provisional) | | | |

R

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| Item No | | Quantity | Rate | Amount |
|---------|---|----------|------|--------|
| | <u>BILL NO. 14</u> | | | |
| | <u>GLAZING</u> | | | |
| | <u>PREAMBLES</u> | | | |
| | <u>Note:</u> | | | |
| | The Contractor is referred to the relevant Clauses in the separate document Specifications of Materials and Methods to be Used (PW 371) Fourth Revision October 1993 and the Supplementary Preambles and any amplification/s stated hereunder | | | |
| | <u>SUPPLEMENTARY PREAMBLES</u> | | | |
| | <u>Float glass</u> | | | |
| | The term "float glass" is used for monolithic annealed glass | | | |
| | <u>Laminated glass</u> | | | |
| | Laminated glass to have polyvinyl butyral (PVB) interlayer(s) | | | |
| | <u>(CPAP WORK GROUP NO. 150) unless otherwise stated</u> | | | |
| | <u>GLAZING TO STEEL WITH PUTTY</u> | | | |
| | <u>6.4mm Laminated safety glass (SAGGA Certificate to be provided)</u> | | | |
| 1 | Panes exceeding 0,1m ² and not exceeding 0,5m ² | m2 | 6 | |
| 2 | Panes exceeding 0,5m ² and not exceeding 2m ² | m2 | 759 | |
| | Carried Forward to Summary of Section No. 2 | | R | |
| | Section No. 2 | | | |
| | Repairs and Renovations | | | |
| | Bill No. 13 | | | |
| | Glazing | | | |

| Item No | | Quantity | Rate | Amount |
|---------|---|----------|-------|--------|
| | <u>BILL NO. 15</u> | | | |
| | <u>PAINTWORK</u> | | | |
| | <u>PREAMBLES</u> | | | |
| | <u>Note:</u> | | | |
| | The Contractor is referred to the relevant Clauses in the separate document Specifications of Materials and Methods to be Used (PW 371) Fourth Revision October 1993 and the Supplementary Preambles and any amplification/s stated hereunder | | | |
| | <u>SUPPLEMENTARY PREAMBLES</u> | | | |
| | <u>PAINT SPECIFICATIONS</u> | | | |
| | All paints shall be "Plascon" and done in accordance with "Plascon" specifications or equal approved | | | |
| | <u>COLOURS</u> | | | |
| | Unless otherwise described all paintwork shall be deemed to have a colour value in excess of 7 on the Munsell system in accordance with SANS 1091 | | | |
| | <u>(CPAP WORK GROUP NO. 152) unless otherwise stated</u> | | | |
| | <u>PAINTWORK ETC TO NEW WORK</u> | | | |
| | <u>ON INTERNAL FLOATED PLASTER SURFACES</u> | | | |
| | <u>One coat Plascon plaster primer UC56 and two coats Double Velvet luxury wall coating paint (colour as per Architect)</u> | | | |
| 1 | Walls | m2 | 4,850 | |
| | <u>One coat Plascon plaster primer UC56 and two coats Velvago wall coating paint (colour as per Architect)</u> | | | |
| 2 | Walls | m2 | 4,850 | |
| | Carried to Collection | | R | |
| | Section No. 2 | | | |
| | Repairs and Renovations | | | |
| | Bill No. 14 | | | |
| | Paintwork | | | |

ON EXTERNAL FLOATED PLASTER SURFACES

One coat Plascon plaster primer UC56 and two coats Double Velvet luxury wall coating paint (colour as per Architect)

| | | | |
|---|-------|----|-----|
| 3 | Walls | m2 | 192 |
|---|-------|----|-----|

ON PLASTERBOARD SURFACES

One coat alkali resistant primer and two coats Polvin super acrylic PVA emulsion paint

| | | | |
|---|--|----|-------|
| 4 | Ceilings and cornices ("White" colour group) | m2 | 4,410 |
|---|--|----|-------|

| | | | |
|---|---|----|-----|
| 5 | Ceilings and cornices, including priming metal cover strips and nailheads | m2 | 176 |
|---|---|----|-----|

One coat alkyd based universal undercoat and two coats superior quality universal enamel paint, on steel

| | | | |
|---|-------------|----|----|
| 6 | Door frames | No | 95 |
|---|-------------|----|----|

ON FIBRE-CEMENT BOARD SURFACES

One coat alkali resistant primer and two coats superior quality acrylic PVA

| | | | |
|---|---|----|-----|
| 7 | Fascias and barge boards, including priming metal jointing strips (Provisional) | m2 | 165 |
|---|---|----|-----|

ON WOOD SURFACES

Two coats of Plascon Velgo White (vlo 1)

| | | | |
|---|-------|----|-----|
| 8 | Doors | m2 | 110 |
|---|-------|----|-----|

| | | | |
|---|---|---|-----|
| 9 | Skirtings and beads etc not exceeding 300mm girth | m | 163 |
|---|---|---|-----|

Treatment with cold galvanise as per manufacturers specification

| | | | |
|----|----------------------|----|-----|
| 10 | Single security gate | m2 | 105 |
|----|----------------------|----|-----|

| | | | |
|----|----------------------|----|---|
| 11 | Double security gate | m2 | 3 |
|----|----------------------|----|---|

PAINTWORK, ETC TO PREVIOUSLY PAINTED WORK

Carried to Collection

R

Section No. 2
Repairs and Renovations
Bill No. 14
Paintwork

ON EXTERNAL FLOATED PLASTER SURFACES

One coat Plascon plaster primer UC56 and two coats Double Velvet luxury wall coating paint (colour as per Architect)

| | | | |
|----|-----------------------|----|----|
| 12 | Epoxy paint on floors | m2 | 80 |
|----|-----------------------|----|----|

ON PVC SURFACES

One coat water based galvanised iron acrylic primer and two coats pure acrylic roof coating, on galvanised steel. Preparation carried out as per Supplementary Preamble

| | | | |
|----|--|---|---|
| 13 | Existing exposed PVC plumbing and drainage pipes not exceeding 300mm girth | m | 6 |
|----|--|---|---|

Carried to Collection

R

Section No. 2
Repairs and Renovations
Bill No. 14
Paintwork

[illegible]

| Bill No | | Page No | Amount |
|---------|---|---------|--------|
| | Section No. 2 | | |
| | Repairs and Renovations | | |
| | <u>SECTION SUMMARY - Repairs and Renovations</u> | | |
| 1 | Alterations | 33 | |
| 2 | Masonry | 36 | |
| 3 | Waterproofing | 37 | |
| 4 | Roof Coverings | 38 | |
| 5 | Carpentry and Joinery | 44 | |
| 6 | Ceilings, Partitions and Access Flooring | 47 | |
| 7 | Floor Coverings, Wall Linings, etc. | 48 | |
| 8 | Ironmongery | 53 | |
| 9 | Metalwork | 56 | |
| 10 | Plastering | 60 | |
| 11 | Tiling | 63 | |
| 12 | Plumbing and Drainage (Provisional) | 72 | |
| 13 | Glazing | 73 | |
| 14 | Paintwork | 77 | |
| | Carried to Final Summary | | R |
| | Section No. 2 | | |
| | Repairs and Renovations | | |

| Item No | | Quantity | Rate | Amount |
|---------|---|----------|------|--------|
| | <u>BILL NO. 1</u> | | | |
| | <u>DEMOLITIONS AND SITE CLEARANCE</u> | | | |
| | <u>PREAMBLES</u> | | | |
| | <u>Note:</u> | | | |
| | The Contractor is referred to the relevant Clauses in the separate document Specifications of Materials and Methods to be Used (PW 371) Fourth Revision October 1993 and the Supplementary Preambles and any amplification/s stated hereunder | | | |
| | <u>SUPPLEMENTARY PREAMBLES</u> | | | |
| | The SUPPLEMENTARY PREAMBLES applicable to the same trade in the preceding Sections, apply equally to this BILL | | | |
| | <u>(CPAP WORK GROUP NO. 102) unless otherwise stated</u> | | | |
| | <u>DEMOLITIONS ETC</u> | | | |
| | <u>Breaking up, taking down and removing</u> | | | |
| 1 | Demolition of VIP Ablution building size 6000 x 1800mm and cart away of rubble. Area to be reinstated. | Item | | |
| 2 | Demolition of existing brick piers at entrance gates and cart away of rubble. Area to be reinstated. | Item | | |
| | <u>Taking down and removing</u> | | | |
| 3 | Steel weldmesh fence 3000mm high with timber or steel posts, standards etc and double gates | m | 648 | |
| | Carried Forward to Summary of Section No. 3 | | R | |
| | Section No. 3 | | | |
| | External Works | | | |
| | Bill No. 1 | | | |
| | Demolitions and Site Clearance | | | |

| Item No | | Quantity | Rate | Amount |
|---------|---|----------|------|--------|
| | <u>BILL NO. 2</u> | | | |
| | <u>ASSEMBLY AREA (PROVISIONAL)</u> | | | |
| | <u>PREAMBLES</u> | | | |
| | <u>Note:</u> | | | |
| | The Contractor is referred to the relevant Clauses in the separate document Specifications of Materials and Methods to be Used (PW 371) Fourth Revision October 1993 and the Supplementary Preambles and any amplification/s stated hereunder | | | |
| | <u>SUPPLEMENTARY PREAMBLES</u> | | | |
| | <u>Testing of material and filling</u> | | | |
| | Descriptions of earth filling, compaction, etc shall be deemed to include for all necessary testing required in accordance with the SABS 1200 series | | | |
| | <u>(CPAP WORK GROUP NO. 154) unless otherwise stated</u> | | | |
| | <u>SITE CLEARANCE ETC</u> | | | |
| | <u>Site clearance</u> | | | |
| 1 | Digging up and removing rubbish, debris, vegetation, hedges, shrubs, bush, trees not exceeding approximately 500mm girth, manhole covers and frames, stopcock boxes etc and generally grade, fill up small holes etc | m2 | 340 | |
| | <u>Excavation in earth not exceeding 2m deep</u> | | | |
| 2 | Over site between buildings, etc to reduce levels and dispose in prescribed stock piles on site | m3 | 51 | |
| | <u>Extra over excavation in earth for excavation in</u> | | | |
| 3 | Soft rock | m3 | 8 | |
| | Carried to Collection | | R | |
| | Section No. 3 | | | |
| | External Works | | | |
| | Bill No. 2 | | | |
| | Assembly | | | |

| | | | |
|----|---|----|-------|
| 4 | Hard rock | m3 | 12 |
| | <u>Extra over all excavations for carting away</u> | | |
| 5 | Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor | m3 | 51 |
| | <u>Keeping excavations free of water</u> | | |
| 6 | Keeping excavations free of water other than subterranean water | | Item |
| | <u>Earth filling of approved selected filler material supplied by the contractor, compacted to 95% Mod AASHTO density</u> | | |
| 7 | to form platforms | m3 | 24 |
| | <u>Compaction of surfaces</u> | | |
| 8 | Compaction of ground surfaces under roadworks etc, including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% Mod AASHTO density (Roadbed) | m2 | 340 |
| | <u>Sundries</u> | | |
| 9 | Apply Bromosol or equal approved herbicide to river sand bedding under paving in strict accordance with the manufacturer's instruction | m2 | 1,135 |
| | <u>80mm thick 30MPa precast concrete grey interlocking block paving blocks in accordance with SANS 1058, laid to falls on and including 25mm thick sand layer with joints filled in with sand, compacted with a vibration compactor</u> | | |
| 10 | Paving to roadworks and parking areas to falls | m2 | 340 |
| | <u>Precast concrete finished smooth on exposed surfaces, including bedding, jointing and pointing</u> | | |
| 11 | 150 x 300mm High kerbs (SANS 927 fig 3) with 150 x 150 x 300mm unreinforced concrete haunching at back of each joint, including excavation, backfilling, etc | m | 480 |

Carried to Collection

R

Section No. 3
External Works
Bill No. 2
Assembly

[illegible]

| Item No | Quantity | Rate | Amount |
|---|--|------|--------|
| <u>BILL NO. 3</u> | | | |
| <u>CONCRETE OPEN WALKWAYS, APRONS AND STAIRS</u> | | | |
| <u>PREAMBLES</u> | | | |
| <u>Note:</u> | | | |
| The Contractor is referred to the relevant Clauses in the separate document Specifications of Materials and Methods to be Used (PW 371) Fourth Revision October 1993 and the Supplementary Preambles and any amplification/s stated hereunder | | | |
| <u>SUPPLEMENTARY PREAMBLES</u> | | | |
| The SUPPLEMENTARY PREAMBLES applicable to the same trade in the preceding Sections, apply equally to this BILL | | | |
| <u>WALKWAY</u> | | | |
| <u>(CPAP WORK GROUP NO. 104) unless otherwise stated</u> | | | |
| <u>Excavation in earth not exceeding 2m deep</u> | | | |
| 1 | Trenches | m3 | 67 |
| 2 | Thickening under Aprons | m3 | 85 |
| <u>Extra over all excavations for carting away</u> | | | |
| 3 | Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor | m3 | 38 |
| <u>Keeping excavations free of water</u> | | | |
| 4 | Keeping excavations free of all water other than subterranean water | Item | |
| <u>FILLING, ETC:</u> | | | |
| Carried to Collection | | | R |
| Section No. 3 External Works Bill No. 3 Walkways, Concrete Aprons and Stair Cases | | | |

| | | | |
|---|---|----|-----|
| | <u>Earth filling of granular material supplied by the contractor, compacted to 95% Mod AASHTO density</u> | | |
| 5 | Under floors | m3 | 129 |
| | <u>Coarse river sand filling supplied by the contractor</u> | | |
| 6 | Under floors etc | m3 | 22 |
| | <u>Compaction of surfaces</u> | | |
| 7 | Compaction of ground surface under floors etc including scarifying for a depth of 100mm, breaking down oversize material, adding suitable material where necessary and compacting to 95% Mod AASHTO density | m2 | 445 |
| | <u>Weedkiller (active ingredients metalaclor 102,8 g/l, terbitilasien 248,6 g/l and atrasion 248,6 g/l) mixed in the proportion of 100 ml weedkiller to 100 l water and applied at a rate of 10 l/m²</u> | | |
| 8 | Under floors (Cerificate must be provided) | m2 | 445 |
| | <u>CONCRETE</u> | | |
| | <u>(CPAP WORK GROUP NO. 110) unless otherwise stated</u> | | |
| | <u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u> | | |
| | <u>30MPa/19mm concrete reinforced concrete cast on/in formwork</u> | | |
| 9 | Aprons | m3 | 57 |
| | <u>Finishing top surfaces of concrete smooth with a wood float to a non-slip surface</u> | | |
| 10 | Concrete Aprons to falls | m2 | 565 |
| | <u>FORMWORK</u> | | |
| | <u>(CPAP WORK GROUP NO. 111) unless otherwise stated</u> | | |
| Carried to Collection | | | |
| Section No. 3 | | | |
| External Works | | | |
| Bill No. 3 | | | |
| Walkways, Concrete Aprons and Stair Cases | | | |

R

| | | | |
|----|---|----|-------|
| | <u>Smooth formwork to sides</u> | | |
| 11 | Edges, risers, ends and reveals not exceeding 300mm high or wide | m | 1,057 |
| | <u>REINFORCEMENT</u> | | |
| | <u>(CPAP WORK GROUP NO. 114) unless otherwise stated</u> | | |
| | <u>Fabric reinforcement</u> | | |
| 12 | Type 193 fabric reinforcement in concrete aprons | m2 | 565 |
| | <u>WATERPROOFING</u> | | |
| | <u>(CPAP WORK GROUP NO. 120) unless otherwise stated</u> | | |
| | <u>One layer of 250 micron "Consol Plastics Gunplas USB Green" waterproof sheeting sealed at laps with PVC self-adhesive tape</u> | | |
| 13 | Under Aprons | m2 | 565 |

Carried to Collection

Section No. 3
External Works
Bill No. 3
Walkways, Concrete Aprons and Stair Cases

R

[illegible]

| Item No | | Quantity | Rate | Amount |
|---------|---|----------|------|--------|
| | <u>BILL NO. 4</u> | | | |
| | <u>STORMWATER DRAINAGE</u> | | | |
| | <u>PREAMBLES</u> | | | |
| | <u>Note:</u> | | | |
| | The Contractor is referred to the relevant Clauses in the separate document Specifications of Materials and Methods to be Used (PW 371) Fourth Revision October 1993 and the Supplementary Preambles and any amplification/s stated hereunder | | | |
| | <u>SUPPLEMENTARY PREAMBLES</u> | | | |
| | The SUPPLEMENTARY PREAMBLES applicable to the same trade in the preceding Sections, apply equally to this BILL | | | |
| | <u>(CPAP WORK GROUP NO. 146) unless otherwise stated</u> | | | |
| | <u>CONCRETE STORMWATER CHANNELS</u> | | | |
| 1 | 30MPa concrete open surface water channel 900mm wide x 100mm thick cast in 2m alternate panels with V-shaped channel 750mm wide x 50mm deep formed in same, including excavations, trimming and levelling of ground surfaces, imported selected fill, formwork, wood floating and type 193 fabric reinforcement etc | m | 192 | |
| 2 | Extra over for angles, intersections, ends, etc | No | 30 | |
| 3 | Extra for trapezoid open end outlet concrete spilling basin average 1200mm wide x 1500mm long x 150mm thick with and including approximately twelve face bricks bedded 40mm proud in concrete | No | 4 | |
| | Carried Forward to Summary of Section No. 3 | | R | |
| | Section No. 3 | | | |
| | External Works | | | |
| | Bill No. 4 | | | |
| | Stormwater Drainage | | | |

| Item No | | Quantity | Rate | Amount |
|---------|---|----------|------|--------|
| | <u>BILL NO 5</u> | | | |
| | <u>FENCING AND GATES</u> | | | |
| | <u>PREAMBLES FOR TRADES</u> | | | |
| | <p>The General Preambles for Trades 2017 published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these bills of quantities and no claims arising from brevity of description of items fully described in the said General Preambles will be entertained</p> <p>Supplementary preambles and/or specifications are incorporated in these bills of quantities to satisfy the requirements of this project. Such supplementary preambles and/or specifications shall take precedence over the provisions of the General Preambles</p> <p>The contractor's prices for all items throughout these bills of quantities shall take account of and include where applicable for all of the obligations, requirements and specifications given in the General Preambles and in any supplementary preambles and/or specifications</p> | | | |
| | <u>FENCING</u> | | | |
| | <u>High Security approved smartfence with PVC anthracite coating</u> | | | |
| 1 | Fence 2100mm high of Smart Fence PVC coated anthracite and including smartHT posts 2700mm long PVC coated anthracite including all accessories | m | 648 | |
| 2 | Gate 6000mm x 2100mm high double leaf swing gate with smartfence mesh infill PVC coated anthracite panels, including hinges, spring latch with catch, etc | No | 1 | |
| | Carried Forward to Summary of Section No. 3 | | R | |
| | Section No. 3 | | | |
| | External Works | | | |
| | Bill No. 5 | | | |
| | Fencing and Gates | | | |

[illegible]

| Item No | | Quantity | Rate | Amount |
|------------|---|----------|------|--------|
| | <u>BILL NO. 1</u> | | | |
| | <u>PROVISIONAL SUMS</u> | | | |
| | <u>PREAMBLES</u> | | | |
| | <u>Note:</u> | | | |
| | The Contractor is referred to the relevant Clauses in the separate document Specifications of Materials and Methods to be Used (PW 371) Fourth Revision October 1993 and the Supplementary Preambles and any amplification/s stated hereunder | | | |
| | <hr/> | | | |
| | <u>SUPPLEMENTARY PREAMBLES</u> | | | |
| | <u>General</u> | | | |
| | Prime cost amounts and provisional sums are net. Prime cost amounts include for delivery to site of all articles concerned | | | |
| | Provisional sums are for material and equipment supplied and installed complete by firms of specialists | | | |
| | <u>Profit</u> | | | |
| | Where stated, the contractor may allow for profit if required | | | |
| | <u>General attendance on nominated/selected subcontractors</u> | | | |
| | The item "Attendance" which follows each provisional sum for nominated/selected subcontractors' work, shall be deemed to cover all the contractor's costs incurred in providing free of charge to the nominated/selected subcontractors, the following: | | | |
| | 1 The services as set out in clause B9.1 of the Preliminaries | | | |
| | 2 Making good in all trades and cleaning down and removal of rubbish on completion | | | |
| | Carried to Collection | | | |
| | Section No. 4 Provisional Sums Bill No. 1 Provisional Sums | | R | |

JET CLEANING

1 Provide the sum of R274,000.00 Two Hundred and Seventy Four Thousand Rand for the high pressure Jet Cleaning of the existing storm water reticulation network and supplying of missing grids and frames to close manholes

Item

2 Profit

%

3 Attendance

%

TEMPORARY ABLUTIONS

4 Provide the sum of R24,660.00 Twenty Four Thousand Six Hundred and Sixty Rand for temporary ablutions for a period of three months whilst repairs and renovations to existing ablutions are being executed.

Item

5 Profit

%

6 Attendance

%

EXISTING SERVICES

7 Provide the sum of R10,000.00 Ten Thousand Rand for the investigation and tracing of existing electrical, water, sewer etc. services network

Item

8 Profit

%

9 Attendance

%

ELECTRICAL INSTALLATIONS AND RETICULATION

10 Provide the sum of R2,572,500.00 Two Million Five Hundred and Seventy Two Thousand Five Hundred Rand for electrical installations and reticulation

Item

11 Profit

%

12 Attendance

%

COMPUTER LAB FITTINGS AND FIXTURES

13 Provide the sum of R72,000.00 Seventy Two Thousand Rand for the rectification and installation of fittings and fixtures contained within the Computer Labs

Item

Carried to Collection

R

Section No. 4
Provisional Sums
Bill No. 1
Provisional Sums

| | | | | |
|---|---|------|---|------------|
| 14 | Profit | | % | |
| 15 | Attendance | | % | |
| <u>LABS FITTINGS AND FIXTURES</u> | | | | |
| 16 | Provide the sum of R195,600.00 One Hundred and Ninety Five Thousand Six Hundred Rand for the rectification and installation of fittings and fixtures contained within the Labs | Item | | |
| 17 | Profit | | % | |
| 18 | Attendance | | % | |
| <u>KITCHEN FITTINGS AND FIXTURES</u> | | | | |
| 19 | Provide the sum of R90,600.00 Ninety Thousand Six Hundred Rand for the rectification and installation of fittings and fixtures contained within the Home Economics | Item | | |
| 20 | Profit | | % | |
| 21 | Attendance | | % | |
| <u>INSPECTION AND SERVICING OF AIRCONDITIONERS</u> | | | | |
| 22 | Provide the sum of R78,000.00 Seventy Eight Thousand Rand for inspection and servicing of existing air conditioners | Item | | |
| 23 | Profit | | % | |
| 24 | Attendance | | % | |
| MINIMUM TARGETED ENTERPRISE DEVELOPMENT | | | | |
| 25 | A provisional amount has been allowed for in the execution of this project as described in C3.1 Project Specifications. The provisional amount allowed is for the appointment of training coordinator, mentor, training service providers and training of the beneficiary enterprises including monitoring and monthly reporting. | PS | | 433 715.57 |
| 26 | Allowance for profit all inclusive of associated costs to the contractor for implementation. | % | | |
| 27 | Allowance for attendance all inclusive of associated costs to the contractor for implementation. | % | | |
| Carried to Collection | | | R | |
| Section No. 4 Provisional Sums Bill No. 1 Provisional Sums | | | | |

Hlamvana High School Storm Damage Programme

[illegible]

**Hlamvana High School
Storm Damage Programme**

| Section No | <u>FINAL SUMMARY</u> | Page No | Amount |
|---------------|-----------------------------------|------------|--------|
| 1 | Preliminaries | 24 | |
| 2 | Repairs and Renovations | 78 | |
| 3 | External Works | 89 | |
| 4 | Provisional Sums | 93 | |
| | Sub-total | | R |
| | Project Contingency at 5% | | R |
| | Sub Total | | R |
| | <u>Add:</u> Value Added Tax @ 15% | | R |
| | Carried to Form of Tender | | R |