

BILL NO. 1

PRELIMINARIES

BUILDING AGREEMENT AND PRELIMINARIES

Notwithstanding anything to the contrary contained in any of the contract documents including the Principal Building Agreement and the Preliminaries, the provision of the "Preliminaries" as hereinafter set forth shall prevail and shall take precedence

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Bill No. 1
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| | <u>PREAMBLES FOR TRADES</u> | | | |
| 1 | <p>The Model Preambles for Trades (1999 edition) as published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these bills of quantities and no claim arising from brevity of description of items fully described in the said Model Preambles for Trades will be entertained</p> <p>Supplementary preambles to the Model Preambles covering clauses of a general nature, clauses pertaining to specific materials and amendments to clauses in the Model Preambles are incorporated in these bills of quantities to satisfy the requirements of this project</p> <p>The contractor's prices for all items throughout these bills of quantities must take account of and include for all of the obligations, requirements and specifications given in the Model Preambles and in any supplementary preambles</p> <p><u>GENERAL</u></p> <p>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 "F", "T" or "V" as the case may be below such item, where "F" denotes a fixed amount (amount not to be varied), "T" denotes an amount variable in proportion to time and "V" denotes an amount variable in proportion to value</p> <p><u>SECTION A - PRINCIPAL BUILDING AGREEMENT</u></p> <p><u>Definitions (A1)</u></p> <p>Definitions and interpretation (clause 1)</p> <p>F:..... V:..... T:.....</p> <p><u>Objective and Preparation (A2 to A14)</u></p> <p>Offer acceptance and performance (clause 2)</p> <p>F:..... V:..... T:.....</p> <p>Documents (clause 3)</p> <p>F:..... V:..... T:.....</p> | m | | |
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| Design responsibility (clause 4) | | | |
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| Employer's agents (clause 5) | | | |
| F:..... V:..... T:..... | Item | | |
| <p>The principal agent shall:</p> <ul style="list-style-type: none"> - monitor and control progress and scheduling - monitor all contract conditions, and - coordinate the efforts of the employer's agents, the contractor and subcontractors | | | |
| <p>The powers conferred on the principal agent in terms of this clause and/or the exercising of these powers shall not be construed as removing or diminishing any of the obligations of the Contractor in terms of the Principal Building Agreement, whether financial, contractual or otherwise, nor shall the exercising of these powers create any privity of contract as between the Employer or his agents on the one part and the Contractor or subcontractors or suppliers on the other part</p> | | | |
| <p>The principal agent reserves the right to attend and participate in all contractor/subcontractor's meetings, to invite other employer's agents to attend such meetings at his discretion and to converse and chair any such meetings if the contractor is derelict in his duty in arranging such meetings to the degree of frequency and comprehensiveness dictated in the opinion of the project manager by the circumstances and exigencies of the construction process</p> | | | |
| Site representative (clause 6) | | | |
| F:..... V:..... T:..... | Item | | |
| Compliance with regulations (clause 7) | | | |
| F:..... V:..... T:..... | Item | | |
| Works risk (clause 8) | | | |
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| <p style="text-align: center;">Brought Forward</p> <p>F:..... V:..... T:.....</p> <p>Sectional completion (clause 28)</p> <p>F:..... V:..... T:.....</p> <p>Revision of date of practical completion (clause 29)</p> <p>F:..... V:..... T:.....</p> <p>The removal and replacement of materials and/or workmanship that do not conform to specification or drawings shall not constitute grounds for an extension of the construction period nor for an adjustment to the contract sum (clause 29.3)</p> <p>Penalty for non-completion (clause 30)</p> <p>F:..... V:..... T:.....</p> <p><u>Payment (A31 - A35)</u></p> <p>Interim payment to the contractor (clause 31)</p> <p>F:..... V:..... T:.....</p> <p>Adjustment to the contract value (clause 32)</p> <p>F:..... V:..... T:.....</p> <p>Where prices are submitted by the contractor or nominated/selected subcontractors during the progress of the works in respect of contract instructions or in regard to a claim under the terms of the contract and notwithstanding the fact that such prices may be used in an interim payment certificate, there is to be no presumption of acceptance. Should the principal agent wish to accept any such prices prior to the issue of the final certificate, it will be in writing</p> <p>Recovery of expense and loss (clause 33)</p> <p>F:..... V:..... T:.....</p> <p>Final account and final payment (clause 34)</p> <p>F:..... V:..... T:.....</p> <p style="text-align: center;">Carried Forward</p> <p>Bill No. 1 P's and G's</p> | <p>Item</p> <p>Item</p> <p>Item</p> <p>Item</p> <p>Item</p> <p>Item</p> <p>Item</p> <p>Item</p> <p>Item</p> | <p>R</p> | |
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| <p style="text-align: center;">Brought Forward</p> <p>The employer shall not pay any interest on amounts payable to the contractor for one hundred and forty two (142) days after the date of issue of the certificate of practical completion</p> <p>The employer shall, however, pay interest to the contractor at the rate stipulated in clause 34.11 on any amounts payable to the contractor more than one hundred and forty two (142) days after the date of issue of the certificate of practical completion but only for such period as the settlement of the final account is delayed by the non-performance of the principal agent or the employer or his agents. In evaluating non-performance for purposes of this clause a reasonable time shall be allowed to the employer or his agents to respond to any matter brought to his/their attention and which may affect the settlement of the final account</p> <p>Payment to other parties (clause 35)</p> <p>F:..... V:..... T:.....</p> <p><u>Cancellation (A36-A39)</u></p> <p>Cancellation by employer - contractor's default (clause 36)</p> <p>F:..... V:..... T:.....</p> <p>Cancellation by employer - loss and damage (clause 37)</p> <p>F:..... V:..... T:.....</p> <p>Cancellation by contractor - employer's default (clause 38)</p> <p>F:..... V:..... T:.....</p> <p>Cancellation - cessation of the works (clause 39)</p> <p>F:..... V:..... T:.....</p> <p><u>Dispute (A40)</u></p> <p>Dispute Settlement (clause 40)</p> <p>F:..... V:..... T:.....</p> <p style="text-align: center;">Carried Forward</p> <p>Bill No. 1 P's and G's</p> | <p style="text-align: center;">Item</p> <p style="text-align: center;">Item</p> <p style="text-align: center;">Item</p> <p style="text-align: center;">Item</p> <p style="text-align: center;">Item</p> <p style="text-align: center;">Item</p> | <p style="text-align: center;">R</p> | |
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| <p style="text-align: right;">Brought Forward</p> <p><u>42.2 CONTRACT DETAILS</u></p> <p>42.2.1 Works Description: Construction of sanitation facilities</p> <p>42.2.2 Site Description: as per the information on the tender data</p> <p>42.2.3 Work or installations by direct contractors: N/A</p> <p>42.2.4 This agreement is for a government contract where there are specific options that are applicable to a State organ only Yes</p> <p>42.2.5 Date on which possession of the site is intended to be given: As per the information provided in the Tender Data</p> <p>42.2.6 Period for the commencement of the works after the contractor takes possession of site: 7 DAYS</p> <p>42.2.7 For the works as a whole. Intended date of practical completion and the penalty per calendar day Intended Date of Practical Completion: As per the information provided in the Tender Data</p> <p>Penalty Amount: The penalty per calendar day shall be 7.5 cents per R100 of the Tendered Amount (inclusive of value added tax)</p> <p>42.2.8 For the works in sections: Intended date of practical completion and the penalty per calendar day N/A</p> <p>42.2.9 The law applicable to this agreement shall be that of South Africa (country)</p> <p><u>42.3 INSURANCES</u></p> <p>42.3.1 Contract works insurance to be effected by:</p> <p style="text-align: right;">Carried Forward</p> <p>Bill No. 1 P's and G's</p> | <p style="text-align: center;">R</p> <hr/> <p style="text-align: center;">R</p> |
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| <p style="text-align: right;">Brought Forward</p> <p style="text-align: right;"><i>Contractor:</i> <i>For the Sum of R Contract Amount + 10.00 %</i> <i>With a deductible of - to be determined by the contractor</i></p> <p>42.3.2 Supplementary insurance is required</p> <p style="text-align: right;">No</p> <p>42.3.3 Public liability insurance to be effected by:</p> <p style="text-align: right;"><i>Contractor:</i> <i>For the Sum of R 5 000 000-00</i> <i>With a deductible of - to be determined by the contractor</i></p> <p><u>42.4 DOCUMENTS</u></p> <p>42.4.1 Waivers of contractors lien or right of continuing possession is required</p> <p style="text-align: right;">Yes</p> <p>42.4.2 Number of construction document copies to be supplied to the contractor free of charge:</p> <p style="text-align: right;">3 Number of</p> <p>42.4.3 Bills of Quantities/Lump sum document schedule of rates drawn up in accordance with:</p> <p>“Standard System of Measuring Builders’ Work”</p> <p>42.4.4 On acceptance of the tender the bills of quantities/lump sum document is to be submitted within</p> <p style="text-align: right;">5 working days</p> <p style="text-align: right;"><i>The priced bills of quantities must be handed in with the tender</i></p> <p>42.4.5 JBCC Engineering General Conditions are to be included in the contract documents:</p> <p style="text-align: right;">No</p> <p>42.4.6 The contract value is to be adjusted using escalation adjustment indices</p> <p style="text-align: right;">No</p> <p style="text-align: right;">Carried Forward</p> <p>Bill No. 1 P's and G's</p> | <p style="text-align: right;">R</p> <p style="text-align: right;">R</p> |
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| <p style="text-align: center;">Brought Forward</p> <p>Where JBCC CPAP is to be used</p> <p style="text-align: right;">Base Month N/A</p> <p>42.4.7 Details of changes made to the provision of JBCC standard documentation:</p> <p style="text-align: center;">Part 1 - Contract Data completed by Employer</p> <p><u>SECTION B: PRELIMINARIES</u></p> <p><u>Definitions and interpretation (B1)</u></p> <p>Definition and interpretation (B1.1 - B1.4.6)</p> <p>F:..... V:..... T:.....</p> <p><u>Documents (B2)</u></p> <p>Checking of documents (B2.1)</p> <p>F:..... V:..... T:.....</p> <p>Provisional bills of quantities (B2.2)</p> <p>F:..... V:..... T:.....</p> <p>Availability of construction documentation (B2.3)</p> <p>F:..... V:..... T:.....</p> <p>Interests of agents (B2.4)</p> <p>F:..... V:..... T:.....</p> <p>Priced documents (B2.5)</p> <p>F:..... V:..... T:.....</p> <p>Tender submission (B2.6)</p> <p>F:..... V:..... T:.....</p> <p>Defined works area (B3.1)</p> <p>F:..... V:..... T:.....</p> <p style="text-align: center;">Carried Forward</p> <p>Bill No. 1 P's and G's</p> | | R | |
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| <u>The site (B3)</u> | | |
| Geotechnical investigation (B3.2) | | |
| F:..... V:..... T:..... | Item | |
| Inspection of the site (B3.3) | | |
| F:..... V:..... T:..... | Item | |
| Existing premises occupied (B3.4) | | |
| F:..... V:..... T:..... | Item | |
| Specific requirements: | | |
| The contractor shall also comply with the additional requirements with regard to the Coronavirus pandemic in terms of all Covid-19 legislation, regulations and guidelines. | | |
| Previous work - dimensional accuracy (B3.5) | | |
| F:..... V:..... T:..... | Item | |
| Previous work - defects (B3.6) | | |
| F:..... V:..... T:..... | Item | |
| Services - known (B3.7) | | |
| F:..... V:..... T:..... | Item | |
| Services - unknown (B3.8) | | |
| F:..... V:..... T:..... | Item | |
| Protection of trees etc. (B3.9) | | |
| F:..... V:..... T:..... | Item | |
| Articles of value (B3.10) | | |
| F:..... V:..... T:..... | Item | |
| Inspection of adjoining properties etc. (B3.11) | | |
| F:..... V:..... T:..... | Item | |
| Carried Forward | | R |
| Bill No. 1 | | |
| P's and G's | | |

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| <u>Management of contract (B4)</u> | | |
| Management of the works (B4.1) | | |
| F:..... V:..... T:..... | Item | |
| Programme for the works (B4.2) | | |
| F:..... V:..... T:..... | Item | |
| Progress meetings (B4.3) | | |
| F:..... V:..... T:..... | Item | |
| Technical meetings (B4.4) | | |
| F:..... V:..... T:..... | Item | |
| Labour and Plant records (B4.5) | | |
| F:..... V:..... T:..... | Item | |
| <u>Samples, Shop Drawings and Manufacturer's Instructions (B5)</u> | | |
| Samples of materials (B5.1) | | |
| F:..... V:..... T:..... | Item | |
| Workmanship samples (B5.2) | | |
| F:..... V:..... T:..... | Item | |
| Shop drawings (B5.3) | | |
| F:..... V:..... T:..... | Item | |
| Compliance with Manufacturer's Instructions (B5.4) | | |
| F:..... V:..... T:..... | Item | |
| <u>Temporary works and plant (B6)</u> | | |
| Deposits and fees (B6.1) | | |
| F:..... V:..... T:..... | Item | |
| Enclosure of the works (B6.2) | | |
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| Bill No. 1 P's and G's | | |

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| F:..... V:..... T:..... | Item | | |
| Advertising (B6.3) | | | |
| F:..... V:..... T:..... | Item | | |
| Plant, equipment, sheds and offices (B6.4) | | | |
| F:..... V:..... T:..... | Item | | |
| Main notice board (B6.5) | | | |
| F:..... V:..... T:..... | Item | | |
| Subcontractors' notice board (B6.6) | | | |
| F:..... V:..... T:..... | Item | | |
| <u>Temporary services (B7)</u> | | | |
| Location (B7.1) | | | |
| F:..... V:..... T:..... | Item | | |
| Water (B7.2) | | | |
| Option [A] shall apply | | | |
| F:..... V:..... T:..... | Item | | |
| Electricity (B7.3) | | | |
| Option [A] shall apply | | | |
| F:..... V:..... T:..... | Item | | |
| Telecommunication facilities (B7.4) | | | |
| F:..... V:..... T:..... | Item | | |
| Ablution facilities (B7.5) | | | |
| Option [A] shall apply | | | |
| F:..... V:..... T:..... | Item | | |
| Carried Forward | | R | |
| Bill No. 1 | | | |
| P's and G's | | | |

| Brought Forward | | R |
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| <u>Prime cost amounts (B8)</u> | | |
| Responsibility for prime cost amounts (B8.1) | | |
| F:..... V:..... T:..... | Item | |
| <u>Attendance on N/S Subcontractors (B9)</u> | | |
| General attendance (B9.1) | | |
| F:..... V:..... T:..... | Item | |
| Special attendance (B9.2) | | |
| F:..... V:..... T:..... | Item | |
| 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 | |
| Payment of preliminaries (B10.2) | | |
| Option [B] shall apply | | |
| F:..... V:..... T:..... | Item | |
| Adjustment of preliminaries (B10.3) | | |
| Option [A] shall apply | | |
| F:..... V:..... T:..... | Item | |
| Payment certificate cash flow (B10.4) | | |
| F:..... V:..... T:..... | Item | |
| <u>General (B11)</u> | | |
| Protection of works (B11.1) | | |
| F:..... V:..... T:..... | Item | |
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| Bill No. 1 P's and G's | | |

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| Protection/isolation of existing/sectionally occupied works (B11.2) | | |
| F:..... V:..... T:..... | Item | |
| Security of the Works (B11.3) | | |
| F:..... V:..... T:..... | Item | |
| Notice before covering work (B11.4) | | |
| F:..... V:..... T:..... | Item | |
| Disturbance (B11.5) | | |
| F:..... V:..... T:..... | Item | |
| Environmental Disturbance (B11.6) | | |
| F:..... V:..... T:..... | Item | |
| Works cleaning and clearing (B11.7) | | |
| F:..... V:..... T:..... | Item | |
| Vermin (B11.8) | | |
| F:..... V:..... T:..... | Item | |
| Overhand work (B11.9) | | |
| F:..... V:..... T:..... | Item | |
| Instruction manuals and guarantees (B11.10) | | |
| F:..... V:..... T:..... | Item | |
| As built information (B11.11) | | |
| F:..... V:..... T:..... | Item | |
| Tenant Installations (B11.12) | | |
| F:..... V:..... T:..... | Item | |
| Carried Forward | | R |
| Bill No. 1 | | |
| P's and G's | | |

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| <u>Schedule of variables (B12)</u> | | |
| Pre-tender information (B12.1) | | |
| F:..... V:..... T:..... | | Item |
| 12.1.1 Provisional bills of quantities (B2.2) The quantities are provisional: | | |
| No | | |
| 12.1.2 Availability of construction documentation (B2.3) Construction documentation is not complete | | |
| No | | |
| 12.1.3 Interest of agents (B2.4) | | |
| 12.1.4 Defined works area (B3.1) | | |
| 12.1.5 Geotechnical investigation (B3.2) | | |
| N/A | | |
| 12.1.6 Existing premises occupied (B3.4) | | |
| 12.1.7 Previous work - dimensional accuracy (B3.4) | | |
| 12.1.8 Previous work - defects (B3.5) | | |
| 12.1.9 Services - known (B3.7) | | |
| 12.1.10 Protection of trees (B3.9) | | |
| All trees should be protected and only on instruction of the Principal Agent may any trees be removed | | |
| 12.1.11 Inspection of adjoining properties (B3.11) | | |
| 12.1.12 Enclosure of the works (B6.2) | | |
| 12.1.13 Offices (B6.4.3) | | |
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| Bill No. 1 P's and G's | | |

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| <p style="text-align: center;">Brought Forward</p> <p>Specific requirements:</p> <p>The contractor shall provide, maintain and remove, on completion of the works, an office for the exclusive use of the principal agent, minimum size 4 x 3 x 3m high internally, suitably insulated and ventilated, provided with electric lighting and fitted with boarded floor, desk, chair, drawing stool, drawing board and lock-up drawers for drawings. The office shall be kept clean and fit for use at all times.</p> <p>12.1.14 Main notice board (B6.5)</p> <p style="text-align: right;">YES</p> <p>12.1.15 Subcontractors notice board (B6.6) A notice board is required</p> <p style="text-align: right;">Yes</p> <p>12.1.16 Water (B7.2) Alternative Selected: A</p> <p>12.1.17 Electricity (B7.3) Alternative selected: A</p> <p>12.1.18 Telecommunications (B7.4)</p> <p>12.1.19 Ablution facilities (B7.5) Alternative selected: A</p> <p>12.1.20 Protection of existing/sectionally occupied works (B11.2)</p> <p>12.1.21 Special attendance (B9.2)</p> <p>Subcontractor (1) details: N/A</p> <p>12.1.22 Protection of the works (B11.1)</p> <p>N/A</p> <p>12.1.23 Disturbance (B11.5)</p> <p>N/A</p> <p>12.1.24 Environmental Disturbance (B11.6)</p> <p>N/A</p> <p style="text-align: center;">Carried Forward</p> <p>Bill No. 1 P's and G's</p> | | R | |
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| <p style="text-align: right;">Brought Forward</p> <p><u>Post tender information (B12.2)</u></p> <p>12.2.1 Payment of preliminaries Alternative selected: B</p> <p>12.2.2 Adjustment of preliminaries Alternative selected: A</p> <p>12.2.3 Additional agreed preliminaries items N/A</p> <p><u>SECTION C: SPECIFIC PRELIMINARIES</u></p> <p>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</p> <p><u>Site instructions</u></p> <p>Instructions issued on site are to be recorded in triplicate in a site instruction book which is to be maintained on site by the contractor</p> <p>F:..... V:..... T:.....</p> <p>Black economic empowerment and training</p> <p>F:..... V:..... T:.....</p> <p>Proprietary branded products</p> <p>F:..... V:..... T:.....</p> <p><u>Testing of flat roof waterproofing for water tightness</u></p> <p>Flat roof waterproof areas shall be prepared with small sand dykes around them of a size and enclosing an area approved by the principal agent, flooded with water and kept "ponded" for at least 36 hours as a test to ensure the watertightness of the waterproofing and before any further construction work is carried out above the waterproofing</p> <p>F:..... V:..... T:.....</p> <p style="text-align: right;">Carried Forward</p> <p>Bill No. 1 P's and G's</p> | | R | |
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| <p>The contractor shall take delivery of, handle, store, use, apply and/or fix all proprietary branded products in strict accordance with the manufacturers' instructions after consultation with the manufacturer's authorised representative</p> | | | |
| Contract instructions | | | |
| F:..... V:..... T:..... | Item | | |
| <p>Contract instructions issued on site are to be recorded in triplicate in a contract instruction book which is to be supplied and maintained on site by the contractor</p> | | | |
| Labour record | | | |
| F:..... V:..... T:..... | Item | | |
| <p>At the end of each week the contractor shall provide the principal agent with a written record, in schedule form, reflecting the number and descriptions of tradesmen and labourers employed by him and all subcontractors on the works each day of that week</p> | | | |
| Plant record | | | |
| F:..... V:..... T:..... | Item | | |
| <p>At the end of each week the contractor shall provide the principal agent with a written record, in schedule form, reflecting the number, type and capacity of all plant, excluding hand tools used on the works each day of that week</p> | | | |
| Guarantees | | | |
| F:..... V:..... T:..... | Item | | |
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| <p>Bill No. 1 P's and G's</p> | | | |

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| <p style="text-align: center;">Brought Forward</p> <p>Where guarantees are called for, the contractor shall obtain a written guarantee, addressed to the employer, from the firm supplying the materials and/or doing the work and shall deliver same to the principal agent on the certified completion of the contract. The guarantee shall state that workmanship, materials and installation are guaranteed for a specified period from the date of certified completion of the contract, and that any defects that may arise during the specified period shall be made good at the expense of the firm supplying the materials and/or doing the work, upon written notice from the principal agent to do so. This guarantee will not be enforced if the work is damaged by defects in the construction of the building in which case the responsibility for replacement shall rest entirely with the contractor. The principal agent shall be the sole judge of the cause responsible for defects in the work and his decision shall be final and binding in terms of clause 40.2 of the agreement</p> <p>Overtime</p> <p>F:..... V:..... T:.....</p> <p>Should overtime be required to be worked for any reason whatsoever, the costs of such overtime are to be borne by the contractor unless the principal agent has specifically authorised, in writing, prior to execution thereof, that costs for such overtime are to be borne by the employer</p> <p>Co-operation of contractor for cost management</p> <p>F:..... V:..... T:.....</p> <p>It is specifically agreed that the contractor accepts the obligation of assisting the professional consultants in implementing proper cost management. The contractor will be advised by the principal agent of all cost management procedures which will be implemented to ensure that the final building cost does not exceed the budget. The quantity surveyor undertakes to make available to the contractor all budgetary allowances and cost assessments/reports to enable the proper procedures to be implemented and the contractor will attend all cost plan review and cost management meetings. The contractor undertakes to extend these procedures in regard to all subcontractors</p> <p>Occupational Health and Safety Specification</p> | | R | |
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| <p>F:..... V:..... T:.....</p> <p>The contractor shall comply with all the requirements set out in the Construction Regulations, 2003 issued under the Occupational Health and Safety Act, 1993 (Act No 85 of 1993)</p> <p>It is required of the contractor to thoroughly study the Health and Safety Specification that must be read together with and is deemed to be incorporated under this Section of the bills of quantities / lump sum document.</p> <p>The contractor must take note that compliance with the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is compulsory. In the event of partial or total non-compliance, the principal agent, notwithstanding the provisions of clause A31.0 of Section A or any other clause to the contrary, reserves the right to delay issuing any progress payment certificate until the contractor provides satisfactory proof of compliance. The contractor shall not be entitled to any compensation of whatsoever nature, including interest, due to such delay of payment.</p> <p>Provision for pricing of the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is made under this clause, as well as the clauses that follow hereafter and it is explicitly pointed out that all requirements of the aforementioned are deemed to be priced under these clauses and no additional claims in this regard shall be entertained.</p> <p>The contractor shall also comply with the additional requirements with regard to the Coronavirus pandemic in terms of all Covid-19 legislation, regulations and guidelines. It is explicitly pointed out that all requirements of the aforementioned are deemed to be priced under this clause and the specific related clauses hereafter and no additional claims in this regard shall be entertained.</p> <p>Occupational Health and Safety Specification</p> <p>F:..... V:..... T:.....</p> <p>Preparation of contractor's site specific health and safety plan, including compliance with Covid-19 legislation, regulations and guidelines</p> | Item | | |
| <p>Carried Forward</p> <p>Bill No. 1 P's and G's</p> | | R | |

| Brought Forward | | R |
|---|------|---|
| Occupational Health and Safety Specification F:..... V:..... T:..... Principal contractor's initial obligations in respect of the Health and Safety Act, Construction Regulations and Covid-19 regulations, etc | Item | |
| Occupational Health and Safety Specification F:..... V:..... T:..... Principal contractor's time related obligations in respect of the Health and Safety Act, Construction Regulations and Covid-19 regulations, etc. | Item | |
| Provision of personal protective equipment (PPE) F:..... V:..... T:..... Provision of reflective vests | Item | |
| Provision of personal protective equipment (PPE) F:..... V:..... T:..... Provision of hard hats | Item | |
| Provision of personal protective equipment (PPE) F:..... V:..... T:..... Provision of protective footwear | Item | |
| Provision of personal protective equipment (PPE) F:..... V:..... T:..... Provision of earplugs | Item | |
| Provision of personal protective equipment (PPE) F:..... V:..... T:..... Provision of dust masks | Item | |
| Provision of personal protective equipment (PPE) | | |
| Carried Forward | | R |
| Bill No. 1 P's and G's | | |

| Brought Forward | | R |
|---|------|---|
| F:..... V:..... T:..... | Item | |
| Provision of gloves | | |
| Provision of personal protective equipment (PPE) | | |
| F:..... V:..... T:..... | Item | |
| Provision of high visibility overalls to SARTSM Chapter 13 Level 3 | | |
| Provision of personal protective equipment (PPE) | | |
| F:..... V:..... T:..... | Item | |
| Provision of SANS approved ear defenders | | |
| Provision of personal protective equipment (PPE) | | |
| F:..... V:..... T:..... | Item | |
| Provision of face masks (Covid -19) | | |
| Provision of personal protective equipment (PPE) | | |
| F:..... V:..... T:..... | Item | |
| Provision of face shields (Covid-19) | | |
| Provision of personal protective equipment (PPE) | | |
| F:..... V:..... T:..... | Item | |
| Provision of gloves (Covid-19) | | |
| Provision of personal protective equipment (PPE) | | |
| F:..... V:..... T:..... | Item | |
| Provision of hand sanitiser (min 70% alcohol), foot press stands and paper towels (Covid-19) | | |
| Provision of personal protective equipment (PPE) | | |
| F:..... V:..... T:..... | Item | |
| Provision of covered refuse bins and refuse bags and waste (including hazardous) management (Covid -19) | | |
| Carried Forward | | R |
| Bill No. 1 | | |
| P's and G's | | |

| Brought Forward | | R |
|---|------|---|
| Provision of personal protective equipment (PPE) | | |
| F:..... V:..... T:..... | Item | |
| Provision of digital infra red non-contact body thermometer (Covid-19, minimum of two per site entrance) | | |
| Provision of personal protective equipment (PPE) | | |
| F:..... V:..... T:..... | Item | |
| Provision of perspex screens for office staff (Covid-19, minimum size 600 x 500mm) | | |
| Provision of personal protective equipment (PPE) | | |
| F:..... V:..... T:..... | Item | |
| Provision of signage, including Covid-19 related signage | | |
| Provision of personal protective equipment (PPE) | | |
| F:..... V:..... T:..... | Item | |
| Provision of full time construction health and safety officer (SACPCMP Registered) | | |
| Provision of personal protective equipment (PPE) | | |
| F:..... V:..... T:..... | Item | |
| Medical certificates and medical surveillance including initial (baseline) medical examinations, periodic examinations, and exit examinations | | |
| Provision of personal protective equipment (PPE) | | |
| F:..... V:..... T:..... | Item | |
| Medical screenings, examinations, etc. in terms of Covid-19 regulations | | |
| Provision of personal protective equipment (PPE) | | |
| F:..... V:..... T:..... | Item | |
| Induction training, including Covid-19 training | | |
| Carried Forward | | R |
| Bill No. 1 | | |
| P's and G's | | |

| Brought Forward | | R |
|--|------|---|
| Provision of personal protective equipment (PPE) | | |
| F:..... V:..... T:..... | Item | |
| Provision of first aid boxes to GSR requirements | | |
| Provision of personal protective equipment (PPE) | | |
| F:..... V:..... T:..... | Item | |
| Noise monitoring including establishment of noise zones (plant), audio grams (personnel), etc. | | |
| F:..... V:..... T:..... | Item | |
| Submission of health and safety file | | |
| HIV/AIDS Awareness | | |
| F:..... V:..... T:..... | Item | |
| It is required of the contractor to thoroughly study the HIV/AIDS Specification (PW 1544) of the Department that must be read together with and is deemed to be incorporated under this Section of the bills of quantities / lump sum document. Provision for pricing of HIV/AIDS awareness is made under items C11.1 to C11.5 hereafter and it is explicitly pointed out that all requirements of the aforementioned specification are deemed to be priced hereunder, as the said items represent the only method of measurement and no additional items or extras to the contract in this regard shall be entertained. | | |
| The contractor must take note that compliance with the HIV/AIDS Specification is compulsory. In the event of partial or total non-compliance, the principal agent, notwithstanding the provisions of clause A 31.0 of Section A or any other clause to the contrary, reserves the right to delay issuing any progress payment certificate until the contractor provides satisfactory proof of compliance. The contractor shall not be entitled to any compensation of whatsoever nature, including interest, due to such delay of payment. | | |
| <u>SUMMARY OF CATEGORIES</u> | | |
| Category : Fixed R..... | | |
| Carried Forward | | R |
| Bill No. 1 P's and G's | | |

| | | | |
|-------------------------|--|---|--|
| Brought Forward | | R | |
| Category : Value R..... | | | |
| Category : Time | | | |
| R..... | | | |
| Carried to Summary | | R | |
| Bill No. 1 | | | |
| P's and G's | | | |

| Item No | | Quantity | Rate | Amount |
|---------|--|----------|------|--------|
| | <u>DEMOLITIONS AND ALTERATIONS</u> | | | |
| | <u>ALTERATIONS</u> | | | |
| | <u>SUPPLEMENTARY PREAMBLES</u> | | | |
| | <u>View site</u> | | | |
| | 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. | | | |
| | <u>Explosives</u> | | | |
| | No explosives whatsoever may be used for demolition. | | | |
| | <u>General</u> | | | |
| | 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. | | | |
| | 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. | | | |
| | Doors, fanlights, fittings, frames, linings, etc which are to be re-used shall be thoroughly overhauled before re-fixing 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. | | | |
| | Carried Forward | | R | |
| | Bill No. 2 Alterations | | | |

| Brought Forward | | | R |
|---|---|----|---|
| Prices for taking out of doors, windows, etc shall include for removal of all beads, architraves, ironmongery, etc. | | | |
| Prices for taking out and removing doors and frames shall include for removing door stops, cabin hooks, etc and making good floor and wall finishes to match existing. | | | |
| With regard to building up of openings in existing walls, cement screeds and pavings, granolithic, tops of walls, etc, shall be levelled and prepared for raising of brickwork. | | | |
| <u>DEMOLITIONS AND ALTERATIONS</u> | | | |
| <u>DEMOLITIONS OF EXISTING TOILET STRUCTURES</u> | | | |
| 1 | Demolish existing pit toilet structures including hacking up and removing foundations and surface beds, doors, windows and door frames, ironmongery and plumbing fittings complete. All pits are to be filled with soil | No | 5 |
| 2 | Demolish existing ground slab (max strength and size, 25MPa and 10m2 respectively) with mesh reinforcement for pit toilets that have been abandoned. All pits are to be filled with soil. | No | 5 |
| Carried to Summary | | | R |
| Bill No. 2 Alterations | | | |

| Item No | Quantity | Rate | Amount |
|--|----------|------|--------|
| <p><u>Section No. 3</u></p> <p><u>BILL NO. 1</u></p> <p><u>EARTHWORKS (PROVISIONAL)</u></p> <p><u>For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Nature of ground</u></p> <p><u>Use "assumed to be" if no trial holes, soils investigations, etc have been carried out - discuss with engineer. Use "Trial holes indicate that" where the ground has been investigated by means of trial holes</u></p> <p><u>Nature of ground</u></p> <p><u>A soils investigation has been carried out on site by the engineer and the report is annexed to these bills of quantities. Descriptions of excavations shall be deemed to include all ground conditions classifiable as "earth" described in the above report and where conditions of a more difficult character are indicated these are separately measured</u></p> <p><u>Carting away of excavated material</u></p> <p><u>Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site</u></p> <p><u>Filling</u></p> <p><u>Notwithstanding the reference to prescribed multiple handling in clause 1 page 6 of the Standard System of Measuring Building Work, prices for filling and backfilling shall include for all selection and any multiple handling of material</u></p> <p><u>Soil poisoning</u></p> | | | |
| <p>Carried Forward</p> <p>Bill No. 3</p> <p>Enviroloo-FD4</p> | | R | |

| | | | | |
|---|--|----|----|---|
| | Brought Forward | | | R |
| | <u>Ant and weed poisoning will be applied in accordance to SABS specifications by Registered and Approved Specialists who will issue a five (5) year guarantee. The contractor will only be paid for this items once they have produced the said certificate to the Principal Agent</u> | | | |
| | <u>SITE CLEARANCE ETC</u> | | | |
| | <u>Site clearance</u> | | | |
| 1 | Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc | m2 | 70 | |
| | <u>Section No. 3</u> | | | |
| | <u>BUILDING</u> | | | |
| | <u>Bill No. 1</u> | | | |
| | <u>EARTHWORKS (PROVISIONAL)</u> | | | |
| 2 | Stripping average 100mm thick layer of top soil and stockpiling on site | m2 | 70 | |
| | <u>EXCAVATION, FILLING, ETC</u> | | | |
| | <u>Excavation in earth not exceeding 2m deep</u> | | | |
| 3 | Trenches | m3 | 10 | |
| 4 | Pits | m3 | 20 | |
| 5 | Thickening under aprons | m3 | 4 | |
| | <u>Extra over trench and hole excavations in earth for excavation in</u> | | | |
| 6 | Soft rock | m3 | 3 | |
| 7 | Hard rock | m3 | 2 | |
| | <u>Extra over all excavations for carting away</u> | | | |
| 8 | Surplus material from excavations on site to a dumping site to be located by the contractor | m3 | 21 | |
| | <u>Risk of collapse of excavations</u> | | | |
| 9 | Sides of trench and hole excavations not exceeding 1,5m deep | m2 | 50 | |
| | Carried Forward | | | R |
| | Bill No. 3 | | | |
| | Enviroloo-FD4 | | | |

| Brought Forward | | | R |
|--|--|------|----|
| <u>Keeping excavations free of water</u> | | | |
| 10 | Keeping excavations free of all water other than subterranean water | Item | |
| <u>Earth filling obtained from the excavations and /or prescribed stock piles on site including compacted to 93% Mod AASHTO density</u> | | | |
| 11 | Under floors, steps, paving, etc | m3 | 5 |
| 12 | Backfilling to trenches, holes, etc | m3 | 15 |
| <u>Compaction of surfaces</u> | | | |
| 13 | Compaction of ground surface under floors etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% Mod AASHTO density | m2 | 20 |
| 14 | Compaction of ground surface under floors etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% Mod AASHTO density (Enviro Loo Tanks Pit) | m2 | 15 |
| 15 | Compaction of ground surface under aprons including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 90% Mod AASHTO density | m2 | 35 |
| <u>Prescribed density tests on filling</u> | | | |
| 16 | Modified AASHTO Density | No | 5 |
| <u>Carried Forward</u> | | | |
| <u>Section No. 3</u> | | | |
| <u>BUILDING</u> | | | |
| <u>Bill No. 1</u> | | | |
| <u>EARTHWORKS (PROVISIONAL)</u> | | | |
| <u>SOIL POISONING</u> | | | |
| <u>Weedkiller mixed in accordance to supplier's specifications</u> | | | |
| 17 | To bottoms and sides of trenches, etc. | m2 | 45 |
| <u>Carried Forward</u> | | | |
| Bill No. 3 Enviroloo-FD4 | | | R |

| Brought Forward | | | R |
|--|---|----|----|
| 18 | Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming(pits) | m2 | 40 |
| 19 | Under floors, aprons etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming | m2 | 55 |
| <u>Soil insecticide</u> | | | |
| 20 | To bottoms and sides of trenches etc | m2 | 45 |
| 21 | Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming(pits) | m2 | 40 |
| 22 | Under floors, aprons etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming | m2 | 55 |
| <u>Section No. 3</u> | | | |
| <u>BUILDING</u> | | | |
| <u>Bill No. 2</u> | | | |
| <u>EARTHWORKS (PROVISIONAL)</u> | | | |
| <u>Section No. 3</u> | | | |
| <u>BILL NO. 2</u> | | | |
| <u>CONCRETE, FORMWORK AND REINFORCEMENT</u> | | | |
| <u>For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades</u> | | | |
| <u>UNREINFORCED CONCRETE, ETC.</u> | | | |
| <u>15MPa/19mm concrete</u> | | | |
| 23 | Surface blinding under footings and bases | m3 | 5 |
| 24 | Aprons cast in panels to falls | m3 | 5 |
| 25 | Extra over for concrete thickening in aprons size approximately 100mm deep, 400mm at top and tapering one side to 200mm at bottom, including all excavations, cart away, etc. | m | 35 |
| Carried Forward | | | R |
| Bill No. 3 Enviroloo-FD4 | | | |

| Brought Forward | | | | R |
|--|---|------|-----|---|
| <u>25MPa/19mm concrete</u> | | | | |
| 26 | Strip footings | m3 | 5 | |
| 27 | Ramps | m3 | 5 | |
| <u>REINFORCED CONCRETE</u> | | | | |
| <u>25MPa/19mm concrete</u> | | | | |
| 28 | Surface beds in pits | m3 | 5 | |
| 29 | Extra over for thickening in pits for thickening size approximately 150mm deep, 500mm at top and tapering to 400mm at bottom, incl. all excavations, cart away, etc. | m | 15 | |
| <u>30Mpa/19mm concrete</u> | | | | |
| 30 | Surface beds cast in panels on waterproofing. | m3 | 5 | |
| 31 | Slabs (pits) | m3 | 5 | |
| <u>TEST CUBES</u> | | | | |
| 32 | Allow for preparing a set of three concrete strength test cubes, each size 150 x 150 x 150mm, sending them to an approved Testing Laboratory for testing and paying all charges in connection therewith | Sets | 5.0 | |
| <u>Section No. 3</u> | | | | |
| <u>BUILDING</u> | | | | |
| <u>Bill No. 2</u> | | | | |
| <u>CONCRETE, FORMWORK AND REINFORCEMENT</u> | | | | |
| <u>CONCRETE SUNDRIES</u> | | | | |
| <u>Finishing top surfaces of concrete smooth with a wood float/steel trowel</u> | | | | |
| 33 | Surface beds, slabs, etc | m2 | 20 | |
| 34 | Surface beds, slabs, etc (pits) | m2 | 15 | |
| 35 | Aprons to falls | m2 | 35 | |
| <u>SMOOTH FORMWORK (DEGREE OF ACCURACY I)</u> | | | | |
| Carried Forward | | | | R |
| Bill No. 3 Enviroloo-FD4 | | | | |

| Brought Forward | | | R |
|--|--|----|------|
| <u>Smooth formwork to sides</u> | | | |
| 36 | Edges, risers, ends and reveals not exceeding 300mm high or wide | m | 35 |
| <u>Permanent formwork to soffits</u> | | | |
| 37 | Slabs propped up not exceeding 1,5m high | m2 | 10 |
| 38 | Form 500mm radius opening in floor slab | No | 6 |
| <u>REINFORCEMENT (PROVISIONAL)</u> | | | |
| <u>Mild steel reinforcement to structural concrete work</u> | | | |
| 39 | 8mm Diameter bars | t | 1.05 |
| 40 | 10mm Diameter bars | t | 1.05 |
| <u>Fabric Reinforcement</u> | | | |
| 41 | Mesh ref. No. 395 fabric reinforcement fixed horizontal in surface beds etc. | m2 | 30 |
| <u>Section No. 3</u> | | | |
| <u>BUILDING</u> | | | |
| <u>Bill No. 3</u> | | | |
| <u>MASONRY</u> | | | |
| <u>Section No. 3</u> | | | |
| <u>BILL NO. 3</u> | | | |
| <u>MASONRY</u> | | | |
| <u>For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades</u> | | | |
| <u>SUPPLEMENTARY PREAMBLES</u> | | | |
| <u>BRICKWORK</u> | | | |
| <u>Sizes in descriptions</u> | | | |
| <u>Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick</u> | | | |
| Carried Forward | | | R |
| Bill No. 3 Enviroloo-FD4 | | | |

| Brought Forward | | | R |
|--|---|----|----|
| <u>Face bricks</u> | | | |
| <u>Bricks shall be ordered timeously to obtain uniformity in size and colour</u> | | | |
| <u>Pointing</u> | | | |
| <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> | | | |
| <u>FOUNDATIONS (PROVISIONAL)</u> | | | |
| <u>Brickwork of NFP bricks in class II mortar</u> | | | |
| 42 | One brick walls | m2 | 15 |
| 43 | One brick walls in pits | m2 | 30 |
| <u>FACE BRICKWORK</u> | | | |
| 44 | Extra over brickwork for face brickwork | m2 | 5 |
| <u>SUPERSTRUCTURE</u> | | | |
| <u>Brickwork of NFP bricks in class II mortar</u> | | | |
| 45 | Half brick walls | m2 | 20 |
| 46 | Half brick walls in beamfilling | m2 | 10 |
| 47 | One brick walls | m2 | 70 |
| <u>FACE BRICKWORK</u> | | | |
| 48 | Extra over brickwork for face brickwork | m2 | 80 |
| <u>Section No. 3</u> | | | |
| <u>BUILDING</u> | | | |
| <u>Bill No. 3</u> | | | |
| <u>MASONRY</u> | | | |
| 49 | Extra over brickwork for brick-on-edge header course lintel | m | 10 |
| 50 | 110mm Wide sill set level and slightly projecting | m | 10 |
| Carried Forward | | | R |
| Bill No. 3 Enviroloo-FD4 | | | |

| Brought Forward | | | R |
|--|---|----|-----|
| 51 | 220mm Wide sill set sloping and slightly protecting outside | m | 10 |
| 52 | Fair cutting fitting around pipe not exceeding 100mm | No | 5 |
| 53 | Fair cutting fitting around pipe exceeding 100mm and not exceeding 200mm diameter | No | 8 |
| <u>BRICKWORK SUNDRIES</u> | | | |
| <u>Brickwork reinforcement</u> | | | |
| 54 | 75mm Wide reinforcement built in horizontally | m | 120 |
| 55 | 150mm Wide reinforcement built in horizontally | m | 455 |
| <u>Galvanised wire ties etc</u> | | | |
| 56 | 6mm Diameter roof tie 2m long with one end fixed to timber and other end built into brickwork | No | 18 |
| <u>Turning pieces to lintels etc.</u> | | | |
| 57 | 115mm Wide turning pieces | m | 5 |
| 58 | 230mm Wide turning pieces | m | 5 |
| <u>Prestressed fabricated lintels</u> | | | |
| 59 | 110 x 75mm Lintels in lengths exceeding 3m and not exceeding 6m | m | 25 |
| <u>Air bricks etc.</u> | | | |
| 60 | 230 x 152mm terra-cotta vermin proofed louvered air brick | No | 56 |
| <u>Section No. 3</u> | | | |
| <u>BUILDING</u> | | | |
| <u>Bill No. 3</u> | | | |
| <u>MASONRY</u> | | | |
| <u>Section No. 3</u> | | | |
| <u>BILL NO. 4</u> | | | |
| <u>WATERPROOFING</u> | | | |
| Carried Forward | | | R |
| Bill No. 3 Enviroloo-FD4 | | | |

| Brought Forward | | | R |
|---|---|----|----|
| <u>For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades</u> | | | |
| <u>DAMP-PROOFING OF WALLS AND FLOORS</u> | | | |
| <u>One layer of 375 micron Consol Plastic Brikgrip DPC" embossed damp proof course</u> | | | |
| 61 | In walls | m2 | 10 |
| <u>One layer of 250 micron "Consol Plastic USB Green" waterproof sheeting sealed at laps with "Gunplas Pressure Sensitive Tape"</u> | | | |
| 62 | Under surface beds | m2 | 20 |
| 63 | Under aprons and ramps | m2 | 35 |
| <u>FLOOR AND WALL SEALERS</u> | | | |
| <u>Secomastic non setting mastic sealant applied cold with a hand pressure caulking gun and leave perfectly watertight</u> | | | |
| 64 | Around steel windows and door frames | m | 55 |
| <u>Carried Final Summary</u> <u>Section No. 3</u> <u>BUILDING</u> <u>Bill No. 4</u> <u>WATERPROOFING</u> | | | |
| <u>Section No. 3</u> | | | |
| <u>BILL NO. 5</u> | | | |
| <u>ROOF COVERINGS ETC</u> | | | |
| <u>For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades</u> | | | |
| <u>PROFILED METAL SHEETING AND ACCESSORIES</u> | | | |
| <u>0,6mm "Kliplok" roof sheeting in chromadek finish fixed to timber purlins (elsewhere)</u> | | | |
| 65 | Roof covering with pitch not exceeding 25 degrees | m2 | 40 |
| Carried Forward | | | R |
| Bill No. 3 | | | |
| Enviroloo-FD4 | | | |

| Brought Forward | | | R |
|--|--|----|----|
| <u>ROOF AND WALL INSULATION</u> | | | |
| 66 | 12" Thermal resistance sisalation laid on purlins | m2 | 40 |
| <u>Carried Final Summary</u> <u>Section No. 3</u> <u>BUILDING</u> <u>Bill No. 5</u> <u>ROOF COVERINGS</u> <u>Section No. 3</u> <u>BILL NO. 6</u> <u>CARPENTRY AND JOINERY</u> <u>For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades</u> <u>ROOFS, ETC.</u> <u>Sawn softwood grade 6</u> | | | |
| 67 | 76 x 38mm Wall plates | m | 20 |
| 68 | 38 x 114mm Rafters in lengths exceeding 3,9m | m | 35 |
| 69 | 50 x 76mm Purlins in lengths exceeding 3,9m | m | 40 |
| <u>Sundries</u> | | | |
| 70 | Two coats creosote on sawn timbers | m2 | 35 |
| 71 | 6mm Diameter galvanised wire tie 3000mm girth wrapped around rafter and purlin with ends tied together | No | 60 |
| 72 | Hurricane clips | No | 60 |
| <u>EAVES, VERGES, ETC</u> | | | |
| <u>Pressed fibre-cement:</u> | | | |
| 73 | 15 x 230mm Nutec Fascias and barge boards including galvanised steel H-profile jointing strips | m | 30 |
| <u>DOORS, ETC</u> | | | |
| Carried Forward | | | R |
| Bill No. 3 Enviroloo-FD4 | | | |

| Brought Forward | | | R |
|--|--|----|---|
| <u>Wrought meranti doors hung to steel frames</u> | | | |
| 74 | 44mm framed, ledged and braced door 813 x 2032mm high including external weather bar (D1) | No | 2 |
| 75 | 44mm framed, ledged and braced door 813 x 1882mm high (door raised by 150mm from bottom) (D2) | No | 4 |
| 76 | 44mm framed, ledged and braced door 915 x 2032mm high including external weather bar (disabled) | No | 1 |
| <u>Carried Final Summary</u> | | | |
| <u>Section No. 3</u> | | | |
| <u>BUILDING</u> | | | |
| <u>Bill No. 6</u> | | | |
| <u>CARPENTRY AND JOINERY</u> | | | |
| <u>Section No. 3</u> | | | |
| <u>BILL NO. 7</u> | | | |
| <u>IRONMONGERY</u> | | | |
| <u>For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades</u> | | | |
| <u>HINGES, BOLTS, ETC</u> | | | |
| <u>100mm Chrome plated "D" type handle 3 by solid brace hinges</u> | | | |
| <u>CATCHES,CABIN HOOKS, ETC</u> | | | |
| 77 | 100mm brace Cabin hook and eye including 70 x 70 x 20mm chamfered hardwood block twice oiled and plugged | No | 2 |
| <u>LOCKS</u> | | | |
| <u>Approved</u> | | | |
| 78 | Three lever mortice lock set | No | 2 |
| 79 | Indicator lock set | No | 4 |
| 80 | Security double throw dead lock (no latch) | No | 2 |
| <u>HANDLES, ETC.</u> | | | |
| Carried Forward | | | R |
| Bill No. 3 Enviroloo-FD4 | | | |

| Brought Forward | | | R |
|--|--|------|-----|
| <u>Aluminium Pull Handle</u> | | | |
| 81 | ASSA ABLOY Anodised Silver straight pull handle (Code: AL5515-300BBAS) with 300mm fixing centres. | Sets | 7.0 |
| <u>SUNDRIES</u> | | | |
| <u>ASSA ABLOY</u> | | | |
| 82 | 38mm Diameter rubber door stop plugged | No | 2 |
| <u>Vaal Paragon</u> | | | |
| 83 | 32mm Type 9 back grab rail 800mm long plugged | No | 1 |
| 84 | 32mm Type 8 side grab rail 900mm girth plugged | No | 1 |
| <u>LETTERS, NAMEPLATES, ETC</u> | | | |
| <u>Dorma:</u> | | | |
| 85 | DSS-130 Engraved "Male" information sign, plugged | No | 1 |
| 86 | DSS-133 Engraved "Disabled" information sign, plugged | No | 1 |
| <u>Section No. 3</u> | | | |
| <u>BUILDING</u> | | | |
| <u>Bill No. 7</u> | | | |
| <u>IRONMONGERY</u> | | | |
| <u>BATHROOM FITTINGS</u> | | | |
| <u>Sundries</u> | | | |
| <u>Kimberley-Clark or Similar</u> | | | |
| 87 | SQ2 code 405607B white none lockable toilet roll holder | No | 4 |
| <u>stainless Steel</u> | | | |
| 88 | Stainless steel mirror size: 350 x 400mm plugged to wall with chrome plated screws. | No | 2 |
| 89 | Brushed stainless steel body, rust resistant, she bin, approximately 330 x 280 x 180mm etc | No | 3 |
| Carried Forward | | | R |
| Bill No. 3 Enviroloo-FD4 | | | |

| Brought Forward | | | R |
|--|--|----|---|
| <u>Section No. 3</u> <u>BUILDING</u> <u>Bill No. 7</u> <u>IRONMONGERY</u> | | | |
| <u>Section No. 3</u> <u>BILL NO. 8</u> <u>METALWORK</u> | | | |
| <u>For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades</u> | | | |
| <u>WELDED SCREENS, GATES, ETC</u> | | | |
| <u>Gates to external doors</u> | | | |
| 90 | Purpose made square hollow section mild steel single security gate and frame size to fit standard door, size 813 x 2032mm high | No | 2 |
| 91 | Single gate and frame size to fit none standard door, size approximately 915 x 2032mm high (disable) | No | 1 |
| <u>PRESSED STEEL DOOR FRAMES</u> | | | |
| <u>1,2mm Double rebated frames suitable for half brick walls</u> | | | |
| 92 | Frame for door size 813 x 2032mm high | No | 4 |
| <u>1,2mm Double rebated frames suitable for one brick walls</u> | | | |
| 93 | Frame for door size 813 x 2032mm high | No | 2 |
| 94 | Frame for door size 914 x 2032mm high | No | 1 |
| <u>STEEL WINDOWS, DOORS, ETC</u> | | | |
| <u>Nty steel or similar approved school windows with standard burglar bars formed of 20 x 5mm thick flat bars to all sashes</u> | | | |
| 95 | Window type NE1, size 533 x 654mm high | No | 6 |
| 96 | Window type NE7, size 1022 x 654mm high | No | 2 |
| Carried Forward | | | R |
| Bill No. 3 Enviroloo-FD4 | | | |

| Brought Forward | | | R |
|--|--|----|----|
| <u>Sundries</u> | | | |
| <u>Cage, etc</u> | | | |
| 97 | She bin cages, to fit 330 x 280 x 180mm width, she bin to be able to open, including pad lock and locking mechanism, complete, etc | No | 3 |
| <u>Section No. 3</u> | | | |
| <u>BUILDING</u> | | | |
| <u>Bill No. 8</u> | | | |
| <u>METALWORK</u> | | | |
| <u>Section No. 3</u> | | | |
| <u>BILL NO. 9</u> | | | |
| <u>PLASTERING</u> | | | |
| <u>For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades</u> | | | |
| <u>GRANOLITHIC</u> | | | |
| <u>Untinted granolithic on concrete</u> | | | |
| 98 | 20mm Thick on floors | m2 | 22 |
| <u>INTERNAL PLASTER</u> | | | |
| <u>Cement plaster on brickwork or blockwork</u> | | | |
| 99 | On internal plastered walls(pits) | m2 | 30 |
| <u>FLOOR AND WALLS SEALERS</u> | | | |
| <u>Minimum two coats approved epoxy coat:</u> | | | |
| 100 | On floors in pits | m2 | 10 |
| 101 | On internal plastered walls in pits | m2 | 30 |
| <u>Section No. 3</u> | | | |
| <u>BUILDING</u> | | | |
| <u>Bill No. 9</u> | | | |
| <u>PLASTERING</u> | | | |
| <u>Section No. 3</u> | | | |
| Carried Forward | | | R |
| Bill No. 3 Enviroloo-FD4 | | | |

| Brought Forward | | | R |
|--|--|----|----|
| <u>BILL NO. 10</u> | | | |
| <u>PLUMBING AND DRAINAGE(PROVISIONAL)</u> | | | |
| <u>RAINWATER DISPOSAL</u> | | | |
| <u>For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades</u> | | | |
| <u>Aluminium Zinc Seamless Gutters</u> | | | |
| 102 | 100 x 100mm sandard rainwater gutters fixed with gutter brackets | m | 10 |
| 103 | Extra over eaves gutter for stopped end | No | 2 |
| 104 | 75 x 100mm Diameter rainwater down pipes fixed to wall | m | 5 |
| 105 | Extra over eaves gutter for outlet for 75 x 100mm down pipe | No | 2 |
| 106 | Ditto .for shoe | No | 2 |
| <u>SANITARY FITTINGS</u> | | | |
| <u>"Vaal" or similar and approved</u> | | | |
| 107 | Ceramic wall mounted wash hand basin, complete with all fittings and accesseries including cutting & making good wall & floor wherever required for disable toilets. | No | 2 |
| <u>SUPPLY AND INSTALL "ENVIRO-LOO" TOILET SYSTEMS</u> | | | |
| 108 | Enviroloo Industrial Standard seat system complete, (Code: FG-1040STDCA/B3) | No | 4 |
| 109 | Enviroloo two (3) Pan Urinal system complete (ABS) (FG-URI3PA/B3) | No | 4 |
| <u>PRECAST CONCRETE WASH HAND TROUGH</u> | | | |
| 110 | Standard SABS approved Pre-Cast Concrete Double Wash Trough, 1080 x 650 x 850mm high with support legs fitted with standard 3/4 Brass Garden Taps, fixed complete to berick wall, including all necessary pipework, including soak away as per 'Engineers detail'. | No | 1 |
| Carried Forward | | | R |
| Bill No. 3 Enviroloo-FD4 | | | |

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|-----|---|--|----|---|---|
| | | Brought Forward | | | R |
| | | For preambles see " <u>Model Preambles for Trades (2008 Edition)</u> " and <u>Supplementary preambles as specified in the Trades</u> | | | |
| | | <u>GLAZING TO STEEL WITH PUTTY</u> | | | |
| | | <u>6,38mm Obscure safety glass</u> | | | |
| 128 | Panes not exceeding 0,1 m2 | | m2 | 5 | |
| | Section No. 3 | | | | |
| | <u>BUILDING</u> | | | | |
| | <u>Bill No. 11</u> | | | | |
| | <u>GLAZING</u> | | | | |
| | Section No. 3 | | | | |
| | <u>BILL NO. 13</u> | | | | |
| | <u>PAINTWORK</u> | | | | |
| | For preambles see " <u>Model Preambles for Trades (2008 Edition)</u> " and <u>Supplementary preambles as specified in the Trades</u> | | | | |
| | <u>PAINTWORK ETC TO NEW WORK</u> | | | | |
| | <u>PREPARATORY WORK TO EXISTING WORK</u> | | | | |
| | <u>Previously painted plastered surfaces</u> | | | | |
| | <u>Surfaces shall be thoroughly washed down and allowed to dry completely before any paint is applied. Blistered or peeling paint shall be completely removed and cracks shall be opened, filled with a suitable filler and finished smooth</u> | | | | |
| | <u>Previously painted metal surfaces</u> | | | | |
| | <u>Surfaces shall be thoroughly rubbed and cleaned down. Blistered or peeling paint shall be completely removed down to bare metal</u> | | | | |
| | <u>Previously painted wood surfaces</u> | | | | |
| | <u>Surfaces shall be thoroughly cleaned down. Blistered or peeling paint shall be completely removed and cracks and crevices shall be primed, filled with suitable filler and finished smooth</u> | | | | |
| | | Carried Forward | | | R |
| | Bill No. 3 | | | | |
| | Enviroloo-FD4 | | | | |

| Brought Forward | | | R |
|--|---|----|----|
| <u>ON FIBRE-CEMENT</u> | | | |
| <u>Prepare and brush to remove all loose contaminations, apply one coat primer and two coats PVA emulsion paint</u> | | | |
| 129 | On fascias and barge boards | m2 | 15 |
| <u>ON METAL</u> | | | |
| <u>Prime and paint undercoat and 2 finishing coats in gloss enamel, colour TBC.</u> | | | |
| 130 | On door frames | m2 | 10 |
| <u>Spot priming defects in pre-prime surface with zinc chromate primer and apply one universal undercoat and two coats EPWP. golden brown gloss enamel paint on steel</u> | | | |
| 131 | On windows with burglar bars | m2 | 5 |
| <u>1 coat zinc chromate primer minimum and 2 coats gloss enamel (Exterior Quality)</u> | | | |
| 132 | On gates (Measured over the full flat area of both sides) | m2 | 10 |
| <u>Section No. 3</u> | | | |
| <u>BUILDING</u> | | | |
| <u>Bill No. 12</u> | | | |
| <u>PAINTWORK</u> | | | |
| <u>ON WOOD</u> | | | |
| <u>Under coat and minimum 2 coats gloss enamel, colour TBC</u> | | | |
| 133 | On doors (External) | m2 | 10 |
| 134 | On doors (Internal) | m2 | 15 |
| <u>Carried Final Summary</u> | | | |
| <u>Section No. 3</u> | | | |
| <u>BUILDING</u> | | | |
| <u>Bill No. 12</u> | | | |
| <u>PAINTWORK</u> | | | |
| Carried to Summary | | | R |
| Bill No. 3 | | | |
| Enviroloo-FD4 | | | |

| Item No | Quantity | Rate | Amount |
|--|----------|------|--------|
| <p><u>Section No. 4</u></p> <p><u>BILL NO. 1</u></p> <p><u>EARTHWORKS (PROVISIONAL)</u></p> <p><u>For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Nature of ground</u></p> <p><u>Use "assumed to be" if no trial holes, soils investigations, etc have been carried out - discuss with engineer. Use "Trial holes indicate that" where the ground has been investigated by means of trial holes</u></p> <p><u>Nature of ground</u></p> <p><u>A soils investigation has been carried out on site by the engineer and the report is annexed to these bills of quantities. Descriptions of excavations shall be deemed to include all ground conditions classifiable as "earth" described in the above report and where conditions of a more difficult character are indicated these are separately measured</u></p> <p><u>Carting away of excavated material</u></p> <p><u>Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site</u></p> <p><u>Filling</u></p> <p><u>Notwithstanding the reference to prescribed multiple handling in clause 1 page 6 of the Standard System of Measuring Building Work, prices for filling and backfilling shall include for all selection and any multiple handling of material</u></p> <p><u>Soil poisoning</u></p> | | | |
| <p>Carried Forward</p> <p>Bill No. 4</p> <p>Enviroloo-SD8</p> | | R | |

| Brought Forward | | | R |
|--|--|------|----|
| <u>Risk of collapse of excavations</u> | | | |
| 9 | Sides of trench and hole excavations not exceeding 1,5m deep | m2 | 85 |
| <u>Keeping excavations free of water</u> | | | |
| 10 | Keeping excavations free of all water other than subterranean water | Item | |
| <u>Earth filling obtained from the excavations and /or prescribed stock piles on site including compacted to 93% Mod AASHTO density</u> | | | |
| 11 | Under floors, steps, paving, etc | m3 | 10 |
| 12 | Backfilling to trenches, holes, etc | m3 | 20 |
| <u>Compaction of surfaces</u> | | | |
| 13 | Compaction of ground surface under floors etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% Mod AASHTO density | m2 | 45 |
| 14 | Compaction of ground surface under floors etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% Mod AASHTO density (Enviro Loo Tanks Pit) | m2 | 25 |
| 15 | Compaction of ground surface under aprons including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 90% Mod AASHTO density | m2 | 45 |
| <u>Prescribed density tests on filling</u> | | | |
| 16 | Modified AASHTO Density | No | 5 |
| <u>Carried Forward</u> | | | |
| <u>Section No. 4</u> | | | |
| <u>BUILDING</u> | | | |
| <u>Bill No. 1</u> | | | |
| <u>EARTHWORKS (PROVISIONAL)</u> | | | |
| <u>SOIL POISONING</u> | | | |
| Carried Forward | | | R |
| Bill No. 4 Enviroloo-SD8 | | | |

| Brought Forward | | | | R |
|--|---|----|----|---|
| <u>Weedkiller mixed in accordance to supplier's specifications</u> | | | | |
| 17 | To bottoms and sides of trenches, etc. | m2 | 65 | |
| 18 | Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming(pits) | m2 | 70 | |
| 19 | Under floors, aprons etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming | m2 | 90 | |
| <u>Soil insecticide</u> | | | | |
| 20 | To bottoms and sides of trenches etc | m2 | 65 | |
| 21 | Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming(pits) | m2 | 70 | |
| 22 | Under floors, aprons etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming | m2 | 90 | |
| <u>Section No. 4</u> | | | | |
| <u>BUILDING</u> | | | | |
| <u>Bill No. 1</u> | | | | |
| <u>EARTHWORKS (PROVISIONAL)</u> | | | | |
| <u>Section No. 4</u> | | | | |
| <u>BILL NO. 2</u> | | | | |
| <u>CONCRETE, FORMWORK AND REINFORCEMENT</u> | | | | |
| <u>For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades</u> | | | | |
| <u>UNREINFORCED CONCRETE, ETC.</u> | | | | |
| <u>15MPa/19mm concrete</u> | | | | |
| 23 | Surface blinding under footings and bases | m3 | 5 | |
| 24 | Aprons cast in panels to falls | m3 | 5 | |
| Carried Forward | | | | R |
| Bill No. 4 Enviroloo-SD8 | | | | |

| Brought Forward | | | R |
|-----------------|---|------|-----|
| 25 | Extra over for concrete thickening in aprons size approximately 100mm deep, 400mm at top and tapering one side to 200mm at bottom, including all excavations, cart away, etc. | m | 45 |
| | <u>25MPa/19mm concrete</u> | | |
| 26 | Strip footings | m3 | 5 |
| 27 | Ramps | m3 | 5 |
| | <u>REINFORCED CONCRETE</u> | | |
| | <u>25MPa/19mm concrete</u> | | |
| 28 | Surface beds in pits | m3 | 5 |
| 29 | Extra over for thickening in pits for thickening size approximately 150mm deep, 500mm at top and tapering to 400mm at bottom, incl. all excavations, cart away, etc. | m | 25 |
| | <u>30Mpa/19mm concrete</u> | | |
| 30 | Surface beds cast in panels on waterproofing. | m3 | 5 |
| 31 | Slabs (pits) | m3 | 5 |
| | <u>TEST CUBES</u> | | |
| 32 | Allow for preparing a set of three concrete strength test cubes, each size 150 x 150 x 150mm, sending them to an approved Testing Laboratory for testing and paying all charges in connection therewith | Sets | 9.0 |
| | <u>Section No. 4</u> | | |
| | <u>BUILDING</u> | | |
| | <u>Bill No. 3</u> | | |
| | <u>CONCRETE, FORMWORK AND REINFORCEMENT</u> | | |
| | <u>CONCRETE SUNDRIES</u> | | |
| | <u>Finishing top surfaces of concrete smooth with a wood float/steel trowel</u> | | |
| 33 | Surface beds, slabs, etc | m2 | 30 |
| 34 | Surface beds, slabs, etc (pits) | m2 | 50 |
| | Carried Forward | | R |
| | Bill No. 4 | | |
| | Enviroloo-SD8 | | |

| | | | | |
|----|--|----------------|------|---|
| | Brought Forward | | R | |
| 35 | Aprons to falls | m ² | 45 | |
| | <u>SMOOTH FORMWORK (DEGREE OF ACCURACY I)</u> | | | |
| | <u>Smooth formwork to sides</u> | | | |
| 36 | Edges, risers, ends and reveals not exceeding 300mm high or wide | m | 50 | |
| | <u>Permanent formwork to soffits</u> | | | |
| 37 | Slabs propped up not exceeding 1,5m high | m ² | 20 | |
| 38 | Form 500mm radius opening in floor slab | No | 8 | |
| | <u>REINFORCEMENT (PROVISIONAL)</u> | | | |
| | <u>Mild steel reinforcement to structural concrete work</u> | | | |
| 39 | 8mm Diameter bars | t | 1.00 | |
| 40 | 10mm Diameter bars | t | 1.00 | |
| | <u>Fabric Reinforcement</u> | | | |
| 41 | Mesh ref. No. 395 fabric reinforcement fixed horizontalt in surface beds etc. | m ² | 55 | |
| | <u>Carried Final Summary</u> | | | |
| | <u>Section No. 4</u> | | | |
| | <u>BUILDING</u> | | | |
| | <u>Bill No. 3</u> | | | |
| | <u>CONCRETE, FORMWORK AND REINFORCEMENT</u> | | | |
| | <u>SECTION NO. 1</u> | | | |
| | <u>BILL NO. 3</u> | | | |
| | <u>MASONRY</u> | | | |
| | <u>For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades</u> | | | |
| | <u>SUPPLEMENTARY PREAMBLES</u> | | | |
| | <u>BRICKWORK</u> | | | |
| | | | | |
| | Carried Forward | | | R |
| | Bill No. 4 Enviroloo-SD8 | | | |

| Brought Forward | | | R |
|--|---|----|-----|
| <u>Sizes in descriptions</u> | | | |
| <u>Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick</u> | | | |
| <u>Face bricks</u> | | | |
| <u>Bricks shall be ordered timeously to obtain uniformity in size and colour</u> | | | |
| <u>Pointing</u> | | | |
| <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> | | | |
| <u>FOUNDATIONS (PROVISIONAL)</u> | | | |
| <u>Brickwork of NFP bricks in class II mortar</u> | | | |
| 42 | One brick walls | m2 | 20 |
| 43 | One brick walls in pits | m2 | 60 |
| <u>FACE BRICKWORK</u> | | | |
| 44 | Extra over brickwork for face brickwork | m2 | 5 |
| <u>SUPERSTRUCTURE</u> | | | |
| <u>Brickwork of NFP bricks in class II mortar</u> | | | |
| 45 | Half brick walls | m2 | 45 |
| 46 | Half brick walls in beamfilling | m2 | 10 |
| 47 | One brick walls | m2 | 90 |
| <u>FACE BRICKWORK</u> | | | |
| 48 | Extra over brickwork for face brickwork | m2 | 100 |
| Carried Forward | | | R |
| Bill No. 4 Enviroloo-SD8 | | | |

| Brought Forward | | | R |
|--|---|----|-----|
| <u>Section No. 4</u> <u>BUILDING</u> <u>Bill No. 3</u> <u>MASONRY</u> | | | |
| 49 | Extra over brickwork for brick-on-edge header course lintel | m | 10 |
| 50 | 110mm Wide sill set level and slightly projecting | m | 10 |
| 51 | 220mm Wide sill set sloping and slightly protecting outside | m | 10 |
| 52 | Fair cutting fitting around pipe not exceeding 100mm | No | 8 |
| 53 | Fair cutting fitting around pipe exceeding 100mm and not exceeding 200mm diameter | No | 17 |
| <u>BRICKWORK SUNDRIES</u> | | | |
| <u>Brickwork reinforcement</u> | | | |
| 54 | 75mm Wide reinforcement built in horizontally | m | 220 |
| 55 | 150mm Wide reinforcement built in horizontally | m | 670 |
| <u>Galvanised wire ties etc</u> | | | |
| 56 | 6mm Diameter roof tie 2m long with one end fixed to timber and other end built into brickwork | No | 30 |
| <u>Turning pieces to lintels etc.</u> | | | |
| 57 | 115mm Wide turning pieces | m | 5 |
| 58 | 230mm Wide turning pieces | m | 10 |
| <u>Prestressed fabricated lintels</u> | | | |
| 59 | 110 x 75mm Lintels in lengths exceeding 3m and not exceeding 6m | m | 45 |
| <u>Air bricks etc.</u> | | | |
| 60 | 230 x 152mm terra-cotta vermin proofed louvered air brick | No | 8 |
| Carried Forward | | | R |
| Bill No. 4 Enviroloo-SD8 | | | |

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|----|---|------------------------|----|--|---|
| | | Brought Forward | | | R |
| | <u>Carried Final Summary</u> <u>Section No. 4</u> <u>BUILDING</u> <u>Bill No. 3</u> <u>MASONRY</u> | | | | |
| | <u>Section No. 4</u> | | | | |
| | <u>BILL NO. 4</u> | | | | |
| | <u>WATERPROOFING</u> | | | | |
| | <u>For preambles see "Model Preambles for Trades</u> <u>(2008 Edition)" and Supplementary preambles as</u> <u>specified in the Trades</u> | | | | |
| | <u>DAMP-PROOFING OF WALLS AND FLOORS</u> | | | | |
| | <u>One layer of 375 micron Consol Plastic Brikgrip</u> <u>DPC" embossed damp proof course</u> | | | | |
| 61 | In walls | m2 | 15 | | |
| | <u>One layer of 250 micron "Consol Plastic USB Green"</u> <u>waterproof sheeting sealed at laps with "Gunplas</u> <u>Pressure Sensitive Tape"</u> | | | | |
| 62 | Under surface beds | m2 | 30 | | |
| 63 | Under aprons and ramps | m2 | 45 | | |
| | <u>FLOOR AND WALL SEALERS</u> | | | | |
| | <u>Secomastic non setting mastic sealant applied cold</u> <u>with a hand pressure caulking gun and leave</u> <u>perfectly watertight</u> | | | | |
| 64 | Around steel windows and door frames | m | 95 | | |
| | <u>Carried Final Summary</u> <u>Section No. 4</u> <u>BUILDING</u> <u>Bill No. 4</u> <u>WATERPROOFING</u> | | | | |
| | <u>Section No. 4</u> | | | | |
| | <u>BILL NO. 5</u> | | | | |
| | Carried Forward | | | | R |
| | Bill No. 4 Enviroloo-SD8 | | | | |

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| | | Brought Forward | | | R |
| | | <u>ROOF COVERINGS ETC</u> | | | |
| | | <u>For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades</u> | | | |
| | | <u>PROFILED METAL SHEETING AND ACCESSORIES</u> | | | |
| | | <u>0,6mm "Kliplok" roof sheeting in chromadek finish fixed to timber purlins (elsewhere)</u> | | | |
| 65 | Roof covering with pitch not exceeding 25 degrees | m2 | 65 | | |
| | | <u>ROOF AND WALL INSULATION</u> | | | |
| 66 | 12" Thermal resistance sisalation laid on purlins | m2 | 65 | | |
| | | <u>Carried Final Summary</u> | | | |
| | | <u>Section No. 4</u> | | | |
| | | <u>BUILDING</u> | | | |
| | | <u>Bill No. 5</u> | | | |
| | | <u>ROOF COVERINGS</u> | | | |
| | | <u>Section No. 4</u> | | | |
| | | <u>BILL NO. 6</u> | | | |
| | | <u>CARPENTRY AND JOINERY</u> | | | |
| | | <u>For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades</u> | | | |
| | | <u>ROOFS, ETC.</u> | | | |
| | | <u>Sawn softwood grade 6</u> | | | |
| 67 | 76 x 38mm Wall plates | m | 30 | | |
| 68 | 38 x 114mm Rafters in lengths exceeding 3,9m | m | 85 | | |
| 69 | 50 x 76mm Purlins in lengths exceeding 3,9m | m | 80 | | |
| | | <u>Sundries</u> | | | |
| 70 | Two coats creosote on sawn timbers | m2 | 55 | | |
| 71 | 6mm Diameter galvanised wire tie 3000mm girth wrapped around rafter and purlin with ends tied together | No | 94 | | |
| | | <u>Carried Forward</u> | | | |
| | | Bill No. 4 | | | |
| | | Enviroloo-SD8 | | | |
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| | Brought Forward | | R |
| 72 | Hurricane clips | No | 94 |
| | EAVES, VERGES, ETC | | |
| | <u>Pressed fibre-cement:</u> | | |
| 73 | 15 x 230mm Nutec Fascias and barge boards including galvanised steel H-profile jointing strips | m | 40 |
| | <u>DOORS, ETC</u> | | |
| | <u>Wrought meranti doors hung to steel frames</u> | | |
| 74 | 44mm framed, ledged and braced door 813 x 2032mm high including external weather bar (D1) | No | 3 |
| 75 | 44mm framed, ledged and braced door 813 x 1882mm high (door raised by 150mm from bottom) (D2) | No | 8 |
| 76 | 44mm framed, ledged and braced door 915 x 2032mm high including extrnal weather bar (disabled) | No | |
| | <u>Carried Final Summary</u> | | |
| | <u>Section No. 4</u> | | |
| | <u>BUILDING</u> | | |
| | <u>Bill No. 6</u> | | |
| | <u>CARPENTRY AND JOINERY</u> | | |
| | <u>Section No. 4</u> | | |
| | <u>BILL NO. 7</u> | | |
| | <u>IRONMONGERY</u> | | |
| | <u>For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades</u> | | |
| | <u>HINGES, BOLTS, ETC</u> | | |
| | <u>100mm Chrome plated "D" type handle 3 by solid brace hinges</u> | | |
| | <u>CATCHES,CABIN HOOKS, ETC</u> | | |
| 77 | 100mm brace Cabin hook and eye including 70 x 70 x 20mm chamfered hardwood block twice oiled and plugged | No | 3 |
| | Carried Forward | | R |
| | Bill No. 4 Enviroloo-SD8 | | |

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| <u>LOCKS</u> | | | | |
| <u>Approved</u> | | | | |
| 78 | Three lever mortice lock set | No | 3 | |
| 79 | Indicator lock set | No | 8 | |
| 80 | Security double throw dead lock (no latch) | No | 2 | |
| <u>HANDLES, ETC.</u> | | | | |
| <u>Aluminium Pull Handle</u> | | | | |
| 81 | ASSA ABLOY Anodised Silver straight pull handle (Code: AL5515-300BBAS) with 300mm fixing centres. | Sets | 13.0 | |
| <u>SUNDRIES</u> | | | | |
| <u>ASSA ABLOY</u> | | | | |
| 82 | 38mm Diameter rubber door stop plugged | No | 13 | |
| <u>Vaal Paragon</u> | | | | |
| 83 | 32mm Type 9 back grab rail 800mm long plugged | No | 1 | |
| 84 | 32mm Type 8 side grab rail 900mm girth plugged | No | 1 | |
| <u>LETTERS, NAMEPLATES, ETC</u> | | | | |
| <u>Dorma:</u> | | | | |
| 85 | DSS-130 Engraved "Male" information sign, plugged | No | 2 | |
| 86 | DSS-133 Engraved "Disabled" information sign, plugged | No | 1 | |
| <u>Section No. 4</u> | | | | |
| <u>BUILDING</u> | | | | |
| <u>Bill No. 7</u> | | | | |
| <u>IRONMONGERY</u> | | | | |
| <u>BATHROOM FITTINGS</u> | | | | |
| <u>Sundries</u> | | | | |
| Carried Forward | | | | R |
| Bill No. 4 Enviroloo-SD8 | | | | |

| Brought Forward | | | R |
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| <u>Kimberley-Clark or Similar</u> | | | |
| 87 | SQ2 code 405607B white none lockable toilet roll holder | No | 8 |
| <u>stainless Steel</u> | | | |
| 88 | Stainless steel mirror size: 350 x 400mm plugged to wall with chrome plated screws. | No | 3 |
| 89 | Brushed stainless steel body, rust resistant, she bin, approximately 330 x 280 x 180mm etc | No | 2 |
| <u>Section No. 4</u> | | | |
| <u>BUILDING</u> | | | |
| <u>Bill No. 7</u> | | | |
| <u>IRONMONGERY</u> | | | |
| <u>Section No. 4</u> | | | |
| <u>BILL NO. 8</u> | | | |
| <u>METALWORK</u> | | | |
| <u>For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades</u> | | | |
| <u>WELDED SCREENS, GATES, ETC</u> | | | |
| <u>Gates to external doors</u> | | | |
| 90 | Purpose made square hollow section mild steel single security gate and frame size to fit standard door, size 813 x 2032mm high | No | 2 |
| 91 | Single gate and frame size to fit none standard door, size approximately 915 x 2032mm high (disable) | No | 1 |
| <u>PRESSED STEEL DOOR FRAMES</u> | | | |
| <u>1,2mm Double rebated frames suitable for half brick walls</u> | | | |
| 92 | Frame for door size 813 x 2032mm high | No | 8 |
| <u>1,2mm Double rebated frames suitable for one brick walls</u> | | | |
| 93 | Frame for door size 813 x 2032mm high | No | 2 |
| Carried Forward | | | R |
| Bill No. 4 Enviroloo-SD8 | | | |

| Brought Forward | | | R |
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| 94 | Frame for door size 914 x 2032mm high | No | 1 |
| <u>STEEL WINDOWS, DOORS, ETC</u> | | | |
| <u>Nty steel or similar approved school windows with standard burlgar bars formed of 20 x 5mm thick flat bars to all sashes</u> | | | |
| 95 | Window type NE1, size 533 x 654mm high | No | 10 |
| 96 | Window type NE7, size 1022 x 654mm high | No | 5 |
| <u>Sundries</u> | | | |
| <u>Cage, etc</u> | | | |
| 97 | She bin cages, to fit 330 x 280 x 180mm width, she bin to be able to open, including pad lock and locking mechanism, complete, etc | No | 6 |
| <u>Section No. 4</u> | | | |
| <u>BUILDING</u> | | | |
| <u>Bill No. 8</u> | | | |
| <u>METALWORK</u> | | | |
| <u>Section No. 4</u> | | | |
| <u>BILL NO. 9</u> | | | |
| <u>PLASTERING</u> | | | |
| <u>For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades</u> | | | |
| <u>GRANOLITHIC</u> | | | |
| <u>Untinted granolithic on concrete</u> | | | |
| 98 | 20mm Thick on floors | m2 | 30 |
| <u>INTERNAL PLASTER</u> | | | |
| <u>Cement plaster on brickwork or blockwork</u> | | | |
| 99 | On internal plastered walls(pits) | m2 | 70 |
| <u>FLOOR AND WALLS SEALERS</u> | | | |
| Carried Forward | | | R |
| Bill No. 4 Enviroloo-SD8 | | | |

| Brought Forward | | | R |
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| <u>SUPPLY AND INSTALL "ENVIRO-LOO" TOILET SYSTEMS</u> | | | |
| 108 | Enviroloo Industrial Standard seat system complete, (Code: FG-1040STDCA/B3) | No | 8 |
| 109 | Enviroloo two (3) Pan Urinal system complete (ABS) (FG-URI3PA/B3) | No | 4 |
| <u>PRECAST CONCRETE WASH HAND TROUGH</u> | | | |
| 110 | Standard SABS approved Pre-Cast Concrete Double Wash Trough, 1080 x 650 x 850mm high with support legs fitted with standard 3/4 Brass Garden Taps, fixed complete to berick wall, including all necessary pipework, including soak away as per 'Engineers detail'. | No | 2 |
| <u>Rainwater tank, etc.</u> | | | |
| 111 | 5000 Litre watertank fitted onto and secured to tank platforms including fastening cables | No | 1 |
| <u>Section No. 4</u> | | | |
| <u>BUILDING</u> | | | |
| <u>Bill No. 10</u> | | | |
| <u>PLUMBING AND DRAINAGE(PROVISIONAL)</u> | | | |
| <u>SOIL DRAINAGE</u> | | | |
| <u>uPVC pipes</u> | | | |
| 112 | 110mm Pipes laid in and including trenches not exceeding 1m deep | m | 40 |
| <u>Extra over uPVC pipes for fittings</u> | | | |
| 113 | 110mm Bend | No | 5 |
| 114 | 110mm Junction | No | 8 |
| <u>uPVC gulleys</u> | | | |
| 115 | 110mm Gully not exceeding 750mm deep, including excavations, pre-cast concrete surround etc. | No | 3 |
| <u>TRAPS ETC</u> | | | |
| <u>Marley</u> | | | |
| 116 | 40 x 300mm Sink combination for double bowl with deepseal "P" trap | No | 2 |
| Carried Forward | | | R |
| Bill No. 4 Enviroloo-SD8 | | | |

| Brought Forward | | | | R |
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| <u>TAPS, VALVES, ETC</u> | | | | |
| 117 | Cobra Watertech 15mm compression type angle regulating valve with 10mm bendable copper outlet tube service connection (Code: 232/350). | No | 4 | |
| 118 | Cobra Watertech 15mm chrome plated bibtap (Code: NM-500-21B) with blue indice and elbow action lever, manufactured in accordance with SANS 226:2009 Type 2 (BS 5412). | No | 4 | |
| <u>SANITARY PLUMBING</u> | | | | |
| <u>uPVC pipes</u> | | | | |
| 119 | 50mm Pipes | m | 60 | |
| <u>Extra over uPVC pipes for fittings</u> | | | | |
| 120 | 50mm Bend | No | 6 | |
| 121 | 50mm Access bend | No | 6 | |
| 122 | 50mm Junction | No | 6 | |
| <u>WATER SUPPLIES</u> | | | | |
| <u>Class 0 copper pipes</u> | | | | |
| 123 | 15mm Pipes | m | 20 | |
| 124 | 22mm Pipes | m | 15 | |
| <u>Section No. 4</u> | | | | |
| <u>BUILDING</u> | | | | |
| <u>Bill No. 10</u> | | | | |
| <u>PLUMBING AND DRAINAGE(PROVISIONAL)</u> | | | | |
| <u>Extra over class 0 copper pipes for capillary fittings</u> | | | | |
| 125 | 15mm Fittings | No | 9 | |
| 126 | 22mm Pipes | No | 6 | |
| <u>TESTING</u> | | | | |
| 127 | Allow for testing all drains, sanitary plumbing, water supplies and installtion to the satisfaction of the Principle Agent. | | Item | |
| Carried Forward | | | | R |
| Bill No. 4 Enviroloo-SD8 | | | | |

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| | | Brought Forward | | | R |
| | | <u>Section No. 4</u> <u>BUILDING</u> <u>Bill No. 10</u> <u>PLUMBING AND DRAINAGE(PROVISIONAL)</u> | | | |
| | | <u>Section No. 4</u> <u>BILL NO. 12</u> <u>GLAZING</u> | | | |
| | | <u>For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades</u> | | | |
| | | <u>GLAZING TO STEEL WITH PUTTY</u> | | | |
| | | <u>6,38mm Obscure safety glass</u> | | | |
| 128 | Panes not exceeding 0,1 m2 | m2 | 10 | | |
| | | <u>Section No. 4</u> <u>BUILDING</u> <u>Bill No. 11</u> <u>GLAZING</u> | | | |
| | | <u>Section No. 4</u> <u>BILL NO. 13</u> <u>PAINTWORK</u> | | | |
| | | <u>For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades</u> | | | |
| | | <u>PAINTWORK ETC TO NEW WORK</u> | | | |
| | | <u>PREPARATORY WORK TO EXISTING WORK</u> | | | |
| | | <u>Previously painted plastered surfaces</u> | | | |
| | | <u>Surfaces shall be thoroughly washed down and allowed to dry completely before any paint is applied. Blistered or peeling paint shall be completely removed and cracks shall be opened, filled with a suitable filler and finished smooth</u> | | | |
| | | <u>Previously painted metal surfaces</u> | | | |
| | | Carried Forward | | | R |
| | Bill No. 4 Enviroloo-SD8 | | | | |

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| <p><u>Surfaces shall be thoroughly rubbed and cleaned down. Blistered or peeling paint shall be completely removed down to bare metal</u></p> <p><u>Previously painted wood surfaces</u></p> <p><u>Surfaces shall be thoroughly cleaned down. Blistered or peeling paint shall be completely removed and cracks and crevices shall be primed, filled with suitable filler and finished smooth</u></p> <p><u>ON FIBRE-CEMENT</u></p> <p><u>Prepare and brush to remove all loose contaminations, apply one coat primer and two coats PVA emulsion paint</u></p> | | | |
| 129 | On fascias and barge boards | m2 | 20 |
| <p><u>ON METAL</u></p> <p><u>Prime and paint undercoat and 2 finishing coats in gloss enamel, colour TBC.</u></p> | | | |
| 130 | On door frames | m2 | 15 |
| <p><u>Spot prining defects in pre-prime surface with zinc chromate primer and apply one universal undercoat and two coats EPWP. golden brown gloss enamel paint on steel</u></p> | | | |
| 131 | On windows with burglar bars | m2 | 15 |
| <p><u>1 coat zinc chromate primer minimum and 2 coats gloss enamel (Exterior Quality)</u></p> | | | |
| 132 | On gates (Measured over the full flat area of both sides) | m2 | 15 |
| <p><u>Section No. 4</u> <u>BUILDING</u> <u>Bill No. 12</u> <u>PAINTWORK</u></p> <p><u>ON WOOD</u></p> <p><u>Under coat and minimum 2 coats gloss enamel, colour TBC</u></p> | | | |
| 133 | On doors (External) | m2 | 15 |
| Carried Forward | | | R |
| Bill No. 4 Enviroloo-SD8 | | | |

| Item No | Quantity | Rate | Amount |
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| <p><u>Section No. 5</u></p> <p><u>BILL NO. 1</u></p> <p><u>EARTHWORKS (PROVISIONAL)</u></p> <p><u>For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Nature of ground</u></p> <p><u>Use "assumed to be" if no trial holes, soils investigations, etc have been carried out - discuss with engineer. Use "Trial holes indicate that" where the ground has been investigated by means of trial holes</u></p> <p><u>Nature of ground</u></p> <p><u>A soils investigation has been carried out on site by the engineer and the report is annexed to these bills of quantities. Descriptions of excavations shall be deemed to include all ground conditions classifiable as "earth" described in the above report and where conditions of a more difficult character are indicated these are separately measured</u></p> <p><u>Carting away of excavated material</u></p> <p><u>Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site</u></p> <p><u>Filling</u></p> <p><u>Notwithstanding the reference to prescribed multiple handling in clause 1 page 6 of the Standard System of Measuring Building Work, prices for filling and backfilling shall include for all selection and any multiple handling of material</u></p> <p><u>Soil poisoning</u></p> | | | |
| <p>Carried Forward</p> <p>Bill No. 5</p> <p>Waterborne-Gr R6</p> | | R | |

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| | | Brought Forward | | | R |
| | <u>Ant and weed poisoning will be applied in accordance to SABS specifications by Registered and Approved Specialists who will issue a five (5) year guarantee. The contractor will only be paid for this items once they have produced the said certificate to the Principal Agent</u> | | | | |
| | <u>SITE CLEARANCE ETC</u> | | | | |
| | <u>Site clearance</u> | | | | |
| 1 | Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc | m2 | 75 | | |
| | <u>Carried Forward</u> <u>Section No. 5</u> <u>BUILDING</u> <u>Bill No. 2</u> <u>EARTHWORKS (PROVISIONAL)</u> | | | | |
| 2 | Stripping average 100mm thick layer of top soil and stockpiling on site | m2 | 75 | | |
| | <u>EXCAVATION, FILLING, ETC</u> | | | | |
| | <u>Excavation in earth not exceeding 2m deep</u> | | | | |
| 3 | Trenches | m3 | 20 | | |
| 4 | Thickening under aprons | m3 | 5 | | |
| | <u>Extra over trench and hole excavations in earth for excavation in</u> | | | | |
| 5 | Soft rock | m3 | 5 | | |
| 6 | Hard rock | m3 | 5 | | |
| | <u>Extra over all excavations for carting away</u> | | | | |
| 7 | Surplus material from excavations on site to a dumping site to be located by the contractor | m3 | 40 | | |
| | <u>Risk of collapse of excavations</u> | | | | |
| 8 | Sides of trench and hole excavations not exceeding 1,5m deep | m2 | 55 | | |
| | Carried Forward | | | | R |
| | Bill No. 5 Waterborne-Gr R6 | | | | |

| Brought Forward | | | R |
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| <u>Keeping excavations free of water</u> | | | |
| 9 | Keeping excavations free of all water other than subterranean water | Item | |
| <u>Earth filling obtained from the excavations and /or prescribed stock piles on site including compacted to 93% Mod AASHTO density</u> | | | |
| 10 | Under floors, steps, paving, etc | m3 | 5 |
| 11 | Backfilling to trenches, holes, etc | m3 | 10 |
| <u>Compaction of surfaces</u> | | | |
| 12 | Compaction of ground surface under floors etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% Mod AASHTO density | m2 | 70 |
| <u>Under floors, steps, paving, etc.</u> | | | |
| <u>Prescribed density tests on filling</u> | | | |
| 13 | Modified AASHTO Density | No | 5 |
| <u>Carried Forward</u> | | | |
| <u>Section No. 5</u> | | | |
| <u>BUILDING</u> | | | |
| <u>Bill No. 2</u> | | | |
| <u>EARTHWORKS (PROVISIONAL)</u> | | | |
| <u>SOIL POISONING</u> | | | |
| <u>Weedkiller mixed in accordance to supplier's specifications</u> | | | |
| 14 | To bottoms and sides of trenches, etc. | m2 | 75 |
| 15 | Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming | m2 | 70 |
| <u>Soil insecticide</u> | | | |
| 16 | To bottoms and sides of trenches etc | m2 | 75 |
| <u>Carried Forward</u> | | | |
| Bill No. 5 | | | R |
| Waterborne-Gr R6 | | | |

| Brought Forward | | | R |
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| 17 | Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming | m2 | 70 |
| <u>Carried forward to Summary of Section No. 5</u> <u>Section No. 5</u> <u>BUILDING</u> <u>Bill No. 2</u> <u>EARTHWORKS (PROVISIONAL)</u> <u>Section No. 5</u> <u>BILL NO. 2</u> <u>CONCRETE, FORMWORK AND REINFORCEMENT</u> <u>For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades</u> <u>UNREINFORCED CONCRETE, ETC.</u> <u>15MPa/19mm concrete</u> | | | |
| 18 | Surface blinding under footings and bases | m3 | 5 |
| <u>25MPa/19mm concrete</u> | | | |
| 19 | Strip footings | m3 | 10 |
| <u>REINFORCED CONCRETE</u> | | | |
| <u>25MPa/19mm concrete</u> | | | |
| 20 | Surface beds and apron | m3 | 10 |
| 21 | Extra over for thickening in pits or apron for thickening size approximately 125mm deep, 500mm at top and tapering to 460mm at bottom, incl. all excavations, cart away, etc. | m | 40 |
| <u>TEST CUBES</u> | | | |
| 22 | Allow for preparing a set of three concrete strength test cubes, each size 150 x 150 x 150mm, sending them to an approved Testing Laboratory for testing and paying all charges in connection therewith | Sets | 2.0 |
| <u>CONCRETE SUNDRIES</u> | | | |
| Carried Forward | | | R |
| Bill No. 5 Waterborne-Gr R6 | | | |

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| | | Brought Forward | | | R |
| | | <u>Finishing top surfaces of concrete smooth with a wood float/steel trowel</u> | | | |
| 23 | Surface beds, slabs, etc | m2 | 70 | | |
| | | <u>SMOOTH FORMWORK (DEGREE OF ACCURACY I)</u> | | | |
| | | <u>Smooth formwork to sides</u> | | | |
| 24 | Edges, risers, ends and reveals not exceeding 300mm high or wide | m | 40 | | |
| | | <u>Carried Forward</u> | | | |
| | | <u>Section No. 5</u> | | | |
| | | <u>BUILDING</u> | | | |
| | | <u>Bill No. 3</u> | | | |
| | | <u>CONCRETE, FORMWORK AND REINFORCEMENT</u> | | | |
| | | <u>Brought Forward</u> | | | |
| | | <u>REINFORCEMENT (PROVISIONAL)</u> | | | |
| | | <u>Mild steel reinforcement to structural concrete work</u> | | | |
| 25 | 8mm Diameter bars | t | 0.70 | | |
| 26 | 10mm Diameter bars | t | 0.70 | | |
| | | <u>Fabric Reinforcement</u> | | | |
| 27 | Mesh ref. No. 395 fabric reinforcement fixed horizontally in surface beds etc. | m2 | 35 | | |
| | | <u>Carried forward to Summary of Section No. 5</u> | | | |
| | | <u>Section No. 5</u> | | | |
| | | <u>BUILDING</u> | | | |
| | | <u>Bill No. 3</u> | | | |
| | | <u>CONCRETE, FORMWORK AND REINFORCEMENT</u> | | | |
| | | <u>Section No. 5</u> | | | |
| | | <u>BILL NO. 3</u> | | | |
| | | <u>MASONRY</u> | | | |
| | | <u>For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades</u> | | | |
| | | <u>SUPPLEMENTARY PREAMBLES</u> | | | |
| | | <u>Carried Forward</u> | | | |
| | Bill No. 5 | | | | R |
| | Waterborne-Gr R6 | | | | |

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| <u>BRICKWORK</u> | | | |
| <u>Sizes in descriptions</u> | | | |
| <u>Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick</u> | | | |
| <u>Face bricks</u> | | | |
| <u>Bricks shall be ordered timeously to obtain uniformity in size and colour</u> | | | |
| <u>Pointing</u> | | | |
| <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> | | | |
| <u>FOUNDATIONS (PROVISIONAL)</u> | | | |
| <u>Brickwork of NFP bricks in class II mortar</u> | | | |
| 28 | One brick walls | m2 | 25 |
| 29 | Half brick walls | m2 | 5 |
| <u>FACE BRICKWORK</u> | | | |
| <u>Corobrick "Letaba Satin Face bricks" pointed with recessed horizontal and vertical joints:</u> | | | |
| 30 | Extra over brickwork for face brickwork | m2 | 5 |
| <u>SUPERSTRUCTURE</u> | | | |
| <u>Brickwork of NFP bricks in class II mortar</u> | | | |
| 31 | Half brick walls in beamfilling . | m2 | 10 |
| 32 | Half brickwall in superstructure | m2 | 30 |
| 33 | One brick walls | m2 | 105 |
| <u>FACE BRICKWORK</u> | | | |
| Carried Forward | | | R |
| Bill No. 5 Waterborne-Gr R6 | | | |

| Brought Forward | | | R |
|---|---|----|-----|
| <u>Corobrick "Letaba Satin Face bricks" pointed with recessed horizontal and vertical joints:</u> | | | |
| 34 | Extra over brickwork for face brickwork | m2 | 120 |
| <u>Carried Forward</u> | | | |
| <u>Section No. 5</u> | | | |
| <u>BUILDING</u> | | | |
| <u>Bill No. 4</u> | | | |
| <u>MASONRY</u> | | | |
| <u>Corobrick "Letaba Satin Face bricks" Brick-on-edge header course copings, sills, etc pointed with recessed joints on all exposed faces:</u> | | | |
| 35 | Extra over brickwork for brick-on-edge header course lintel | m | 10 |
| 36 | 110mm Wide sill set level and slightly projecting | m | 10 |
| 37 | 220mm Wide sill set sloping and slightly protecting outside | m | 10 |
| 38 | Fair cutting fitting around pipe not exceeding 100mm | No | 10 |
| 39 | Fair cutting fitting around pipe exceeding 100mm and not exceeding 200mm diameter | No | 6 |
| <u>BRICKWORK SUNDRIES</u> | | | |
| <u>Brickwork reinforcement</u> | | | |
| 40 | 75mm Wide reinforcement built in horizontally | m | 140 |
| 41 | 150mm Wide reinforcement built in horizontally | m | 500 |
| <u>Galvanised wire ties etc</u> | | | |
| 42 | 6mm Diameter roof tie 2m long with one end fixed to timber and other end built into brickwork | No | 24 |
| <u>Turning pieces to lintels etc.</u> | | | |
| 43 | 115mm Wide turning pieces | m | 10 |
| 44 | 230mm Wide turning pieces | m | 5 |
| <u>Carried Forward</u> | | | |
| Bill No. 5 | | | R |
| Waterborne-Gr R6 | | | |

| Brought Forward | | | R |
|--|---|----|-----|
| <u>Prestressed fabricated lintels</u> | | | |
| 45 | 110 x 75mm Lintels in lengths exceeding 3m and not exceeding 6m | m | 10 |
| <u>Air bricks etc.</u> | | | |
| 46 | 230 x 152mm terra-cotta vermin proofed louvered air brick | No | 114 |
| <u>Carried forward to Summary of Section No. 5</u> | | | |
| <u>Section No. 5</u> | | | |
| <u>BUILDING</u> | | | |
| <u>Bill No. 4</u> | | | |
| <u>MASONRY</u> | | | |
| <u>Section No. 5</u> | | | |
| <u>BILL NO. 4</u> | | | |
| <u>WATERPROOFING</u> | | | |
| <u>For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades</u> | | | |
| <u>DAMP-PROOFING OF WALLS AND FLOORS</u> | | | |
| <u>One layer of 375 micron Consol Plastic Brikgrip DPC" embossed damp proof course</u> | | | |
| 47 | In walls | m2 | 10 |
| <u>One layer of 250 micron "Consol Plastic USB Green" waterproof sheeting sealed at laps with "Gunplas Pressure Sensitive Tape"</u> | | | |
| 48 | Under surface beds | m2 | 75 |
| <u>FLOOR AND WALL SEALERS</u> | | | |
| <u>Secomastic non setting mastic sealant applied cold with a hand pressure caulking gun and leave perfectly watertight</u> | | | |
| 49 | Around steel windows and door frames | m | 85 |
| <u>Carried Forward</u> | | | R |
| Bill No. 5 Waterborne-Gr R6 | | | |

| | | | | | |
|----|---|------------------------|----|--|---|
| | | Brought Forward | | | R |
| | <u>Carried forward to Summary of Section No. 5</u> <u>Section No. 5</u> <u>BUILDING</u> <u>Bill No. 5</u> <u>WATERPROOFING</u> <u>Section No. 5</u> <u>BILL NO. 5</u> <u>ROOF COVERINGS ETC</u> <u>For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades</u> <u>PROFILED METAL SHEETING AND ACCESSORIES</u> <u>0,6mm "Kliplok" roof sheeting in chromadek finish fixed to timber purlins (elsewhere)</u> | | | | |
| 50 | Roof covering with pitch not exceeding 25 degrees | m2 | 55 | | |
| | <u>ROOF AND WALL INSULATION</u> | | | | |
| 51 | 12" Thermal resistance sisalation laid on purlins | m2 | 55 | | |
| | <u>Carried forward to Summary of Section No. 5</u> <u>Section No. 5</u> <u>BUILDING</u> <u>Bill No. 6</u> <u>ROOF COVERINGS</u> <u>Section No. 5</u> <u>BILL NO. 6</u> <u>CARPENTRY AND JOINERY</u> <u>For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades</u> <u>ROOFS, ETC.</u> <u>Sawn softwood grade 6</u> | | | | |
| 52 | 76 x 38mm Wall plates | m | 25 | | |
| | | Carried Forward | | | R |
| | Bill No. 5 Waterborne-Gr R6 | | | | |

| Brought Forward | | | | R |
|--|--|----|----|---|
| 53 | 38 x 114mm Rafters in lengths exceeding 3,9m | m | 55 | |
| 54 | 50 x 76mm Purlins in lengths exceeding 3,9m | m | 70 | |
| <u>Sundries</u> | | | | |
| 55 | Two coats creosote on sawn timbers | m2 | 40 | |
| 56 | 6mm Diameter galvanised wire tie 3000mm girth wrapped around rafter and purlin with ends tied together | No | 75 | |
| 57 | Hurricane clips | No | 75 | |
| <u>EAVES, VERGES, ETC</u> | | | | |
| <u>Pressed fibre-cement:</u> | | | | |
| 58 | 15 x 230mm Nutec Fascias and barge boards including galvanised steel H-profile jointing strips | m | 35 | |
| <u>DOORS, ETC</u> | | | | |
| <u>Wrought meranti doors hung to steel frames</u> | | | | |
| 59 | 44mm framed, ledged and braced door 813 x 2032mm high including external weather bar (D1) | No | 4 | |
| 60 | 44mm framed, ledged and braced door 813 x 1882mm high (door raised by 150mm from bottom) (D2) | No | 6 | |
| <u>Carried forward to Summary of Section No. 5</u> | | | | |
| <u>Section No. 5</u> | | | | |
| <u>BUILDING</u> | | | | |
| <u>Bill No. 7</u> | | | | |
| <u>CARPENTRY AND JOINERY</u> | | | | |
| <u>Section No. 5</u> | | | | |
| <u>BILL NO. 7</u> | | | | |
| <u>IRONMONGERY</u> | | | | |
| <u>For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades</u> | | | | |
| <u>HINGES, BOLTS, ETC</u> | | | | |
| Carried Forward | | | | R |
| Bill No. 5 Waterborne-Gr R6 | | | | |

| Brought Forward | | | R |
|---|--|----|----|
| <u>100mm Chrome plated "D" type handle 3 by solid brace hinges</u> | | | |
| <u>CATCHES,CABIN HOOKS, ETC</u> | | | |
| 61 | 100mm brace Cabin hook and eye including 70 x 70 x 20mm chamfered hardwood block twice oiled and plugged | No | 4 |
| <u>LOCKS</u> | | | |
| <u>Approved</u> | | | |
| 62 | Three lever mortice lock set | No | 3 |
| 63 | Indicator lock set | No | 6 |
| 64 | Security double throw dead lock (no latch) | No | 3 |
| <u>HANDLES, ETC.</u> | | | |
| <u>Aluminium Pull Handle</u> | | | |
| 65 | ASSA ABLOY Anodised Silver straight pull handle (Code: AL5515-300BBAS) with 300mm fixing centres. | No | 12 |
| <u>SUNDRIES</u> | | | |
| <u>ASSA ABLOY</u> | | | |
| 66 | 38mm Diameter rubber door stop plugged | No | 4 |
| <u>Vaal Paragon</u> | | | |
| 67 | 32mm Type 9 back grab rail 800mm long plugged | No | 1 |
| 68 | 32mm Type 8 side grab rail 900mm girth plugged | No | 1 |
| <u>LETTERS, NAMEPLATES, ETC</u> | | | |
| <u>Dorma:</u> | | | |
| 69 | DSS-130 Engraved "Male" information sign, plugged | No | 2 |
| 70 | DSS-131 Engraved "Female" information sign, plugged | No | 1 |
| 71 | DSS-132 Engraved "Male/Female" information sign, plugged | No | 1 |
| Carried Forward | | | R |
| Bill No. 5 Waterborne-Gr R6 | | | |

| Brought Forward | | | R |
|---|--|----|---|
| 72 | DSS-133 Engraved "Disabled" information sign, plugged | No | 1 |
| <u>Section No. 5</u> <u>BUILDING</u> <u>Bill No. 8</u> <u>IRONMONGERY</u> <u>BATHROOM FITTINGS</u> <u>Sundries</u> <u>Kimberley-Clark or Similar</u> | | | |
| 73 | SQ2 code 405607B white none lockable toilet roll holder | No | 7 |
| <u>stainless Steel</u> | | | |
| 74 | Stainless steel mirror size: 350 x 400mm plugged to wall with chrome plated screws. | No | 5 |
| 75 | Brushed stainless steel body, rust resistant, she bin, approximately 330 x 280 x 180mm etc | No | 4 |
| <u>Carried forward to Summary of Section No. 5</u> <u>Section No. 5</u> <u>BUILDING</u> <u>Bill No. 8</u> <u>IRONMONGERY</u> <u>Section No. 5</u> <u>BILL NO. 8</u> <u>METALWORK</u> <u>For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades</u> <u>WELDED SCREENS, GATES, ETC</u> <u>Gates to external doors</u> | | | |
| 76 | Purpose made square hollow section mild steel single security gate and frame size to fit standard door, size 813 x 2032mm high | No | 4 |
| <u>PRESSED STEEL DOOR FRAMES</u> | | | |
| Carried Forward | | | R |
| Bill No. 5 Waterborne-Gr R6 | | | |

| Brought Forward | | | R |
|--|--|----|----|
| <u>1,2mm Double rebated frames suitable for half brick walls</u> | | | |
| 77 | Frame for door size 813 x 2032mm high | No | 6 |
| <u>1,2mm Double rebated frames suitable for one brick walls</u> | | | |
| 78 | Frame for door size 813 x 2032mm high | No | 4 |
| <u>STEEL WINDOWS, DOORS, ETC</u> | | | |
| <u>Nty steel or similar approved school windows with standard burglar bars formed of 20 x 5mm thick flat bars to all sashes</u> | | | |
| 79 | Window type NE1, size 533 x 654mm high | No | 9 |
| 80 | Window type NE7, size 1022 x 654mm high | No | 3 |
| <u>Sundries</u> | | | |
| <u>Cage, etc</u> | | | |
| 81 | She bin cages, to fit 330 x 280 x 180mm width, she bin to be able to open, including pad lock and locking mechanism, complete, etc | No | 4 |
| <u>Carried forward to Summary of Section No. 5</u> | | | |
| <u>Section No. 5</u> | | | |
| <u>BUILDING</u> | | | |
| <u>Bill No. 9</u> | | | |
| <u>METALWORK</u> | | | |
| <u>Section No. 5</u> | | | |
| <u>BILL NO. 9</u> | | | |
| <u>PLASTERING</u> | | | |
| <u>For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades</u> | | | |
| <u>GRANOLITHIC</u> | | | |
| <u>Untinted granolithic on concrete</u> | | | |
| 82 | 20mm Thick on floors | m2 | 35 |
| Carried Forward | | | R |
| Bill No. 5 Waterborne-Gr R6 | | | |

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|----|--|----|-----|---|
| | Brought Forward | | | R |
| | <u>INTERNAL PLASTER</u> | | | |
| | <u>Cement plaster on brickwork or blockwork</u> | | | |
| 83 | On internal plastered walls | m2 | 165 | |
| | <u>Carried forward to Summary of Section No. 5</u> | | | |
| | <u>Section No. 5</u> | | | |
| | <u>BUILDING</u> | | | |
| | <u>Bill No. 10</u> | | | |
| | <u>PLASTERING</u> | | | |
| | <u>Section No. 5</u> | | | |
| | <u>BILL NO. 10</u> | | | |
| | <u>PLUMBING AND DRAINAGE(PROVISIONAL)</u> | | | |
| | <u>RAINWATER DISPOSAL</u> | | | |
| | <u>For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades</u> | | | |
| | <u>Aluminium Zinc Seamless Gutters</u> | | | |
| 84 | 100 x 100mm standard rainwater gutters fixed with gutter brackets | m | 15 | |
| 85 | Extra over eaves gutter for stopped end | No | 2 | |
| 86 | 75 x 100mm Diameter rainwater down pipes fixed to wall | m | 10 | |
| 87 | Extra over eaves gutter for outlet for 75 x 100mm down pipe | No | 2 | |
| 88 | Ditto .for shoe | No | 2 | |
| | <u>SANITARY FITTINGS</u> | | | |
| | <u>"Vaal" or similar and approved</u> | | | |
| 89 | Ceramic wall mounted wash hand basin, complete with all fittings and accesseries including cutting & making good wall & floor wherever required. | No | 5 | |
| | Carried Forward | | | R |
| | Bill No. 5 | | | |
| | Waterborne-Gr R6 | | | |

| | Brought Forward | | | R |
|---|--|----|----|---|
| 90 | WC suite, comprising with pan and double flap heavy duty plastic seat and matching cistern with flush pipe, complete with all fittings and accessories including cutting & making good wall & floor wherever required. | No | 6 | |
| 91 | Paraplegic floor mounted suite with purpose made flush lever, etc. Complete with all fittings and accessories including cutting & making good wall & floor wherever required. | No | 1 | |
| 92 | Vitreous china urinal. Complete with all fittings and accessories including cutting & making good wall & floor wherever required. | No | 4 | |
| <u>Section No. 5</u> <u>BUILDING</u> <u>Bill No. 11</u> <u>PLUMBING AND DRAINAGE(PROVISIONAL)</u> <u>PRECAST CONCRETE WASH HAND TROUGH</u> | | | | |
| 93 | Standard SABS approved Pre-Cast Concrete Double Wash Trough, 1080 x 650 x 850mm high with support legs fitted with standard 3/4 Brass Garden Taps, fixed complete to berick wall, including all necessary pipework, including soak away as per 'Engineers detail'. | No | | |
| <u>Rainwater tank, etc.</u> | | | | |
| 94 | 2 500 Litre watertank fitted onto and secured to tank platforms including fastening cables | No | 1 | |
| <u>SOIL DRAINAGE</u> | | | | |
| <u>uPVC pipes</u> | | | | |
| 95 | 110mm Pipes laid in and including trenches not exceeding 1m deep | m | 90 | |
| <u>Extra over uPVC pipes for fittings</u> | | | | |
| 96 | 110mm Bend | No | 6 | |
| 97 | 110mm Junction | No | 6 | |
| <u>uPVC gulleys</u> | | | | |
| 98 | 110mm Gully not exceeding 750mm deep, including excavations, pre-cast concrete surround etc. | No | 4 | |
| Carried Forward | | | | R |
| Bill No. 5 Waterborne-Gr R6 | | | | |

| Brought Forward | | | R |
|--|---|----|----|
| <u>WASTE UNIONS ETC</u> | | | |
| <u>"Cobra Watertech"</u> | | | |
| 99 | Cobra Watertech 32mm chrome plated basin waste (code: 308) with 62mm diameter flange, 80mm long shank and plug | No | 5 |
| <u>Carried Forward</u> | | | |
| <u>Section No. 5</u> | | | |
| <u>BUILDING</u> | | | |
| <u>Bill No. 11</u> | | | |
| <u>PLUMBING AND DRAINAGE(PROVISIONAL)</u> | | | |
| <u>TRAPS ETC</u> | | | |
| <u>"Cobra Watertech"</u> | | | |
| 100 | Cobra Ref. 365/40" CP bottle trap | No | 5 |
| <u>Marley</u> | | | |
| 101 | 40 x 300mm Sink combination for double bowl with deepseal "P" trap | No | 5 |
| <u>TAPS, VALVES, ETC</u> | | | |
| 102 | Cobra Watertech 15mm compression type angle regulating valve with 10mm bendable copper outlet tube service connection (Code: 232/350). | No | 5 |
| 103 | Cobra Watertech 15mm chrome plated bibtap (Code: NM-500-21B) with blue indice and elbow action lever, manufactured in accordance with SANS 226:2009 Type 2 (BS 5412). | No | 5 |
| <u>SANITARY PLUMBING</u> | | | |
| <u>uPVC pipes</u> | | | |
| 104 | 50mm Pipes | m | 70 |
| <u>Extra over uPVC pipes for fittings</u> | | | |
| 105 | 50mm Bend | No | 12 |
| 106 | 50mm Access bend | No | 12 |
| 107 | 50mm Junction | No | 12 |
| <u>Carried Forward</u> | | | |
| Bill No. 5 Waterborne-Gr R6 | | | R |

| Brought Forward | | | | R |
|--|--|----|------|---|
| <u>WATER SUPPLIES</u> | | | | |
| <u>Class 0 copper pipes</u> | | | | |
| 108 | 15mm Pipes | m | 60 | |
| 109 | 22mm Pipes | m | 90 | |
| <u>Extra over class 0 copper pipes for capillary fittings</u> | | | | |
| 110 | 15mm Fittings | No | 60 | |
| 111 | 22mm Pipes | No | 30 | |
| <u>Section No. 5</u> | | | | |
| <u>BUILDING</u> | | | | |
| <u>Bill No. 11</u> | | | | |
| <u>PLUMBING AND DRAINAGE(PROVISIONAL)</u> | | | | |
| <u>SUNDRIES</u> | | | | |
| 112 | Extra over excavation in earth for pipe trenches, chambers, etc for excavation in soft rock | m3 | | |
| 113 | Ditto, but in hard rock | m3 | | |
| 114 | Extra over excavation for pipe trenches, chambers, etc for carting away surplus material to a dumping site to be located by the contractor | m3 | | |
| 115 | Extra over backfilling to drain trenches, chambers, etc for suitable earth backfilling supplied by the contractor | m3 | | |
| <u>TESTING</u> | | | | |
| 116 | Allow for testing all drains, sanitary plumbing, water supplies and installtion to the satisfaction of the Principle Agent. | | Item | |
| <u>Carried forward to Summary of Section No. 5</u> | | | | |
| <u>Section No. 5</u> | | | | |
| <u>BUILDING</u> | | | | |
| <u>Bill No. 11</u> | | | | |
| <u>PLUMBING AND DRAINAGE(PROVISIONAL)</u> | | | | |
| <u>Section No. 5</u> | | | | |
| <u>BILL NO. 12</u> | | | | |
| <u>Carried Forward</u> | | | | R |
| Bill No. 5 Waterborne-Gr R6 | | | | |

| Brought Forward | | | R |
|---|---|----|----|
| <u>Surfaces shall be thoroughly cleaned down.</u> <u>Blistered or peeling paint shall be completely removed and cracks and crevices shall be primed, filled with suitable filler and finished smooth</u> | | | |
| <u>ON FIBRE-CEMENT</u> | | | |
| <u>Prepare and brush to remove all loose contaminations, apply one coat primer and two coats PVA emulsion paint</u> | | | |
| 118 | On fascias and barge boards | m2 | 15 |
| <u>ON METAL</u> | | | |
| <u>Prime and paint undercoat and 2 finishing coats in gloss enamel, colour TBC.</u> | | | |
| 119 | On door frames | m2 | 15 |
| <u>Spot prining defects in pre-prime surface with zinc chromate primer and apply one universal undercoat and two coats EPWP. golden brown gloss enamel paint on steel</u> | | | |
| 120 | On windows with burglar bars | m2 | 10 |
| <u>1 coat zinc chromate primer minimum and 2 coats gloss enamel (Exterior Quality)</u> | | | |
| 121 | On gates (Measured over the full flat area of both sides) | m2 | 20 |
| <u>Section No. 5</u> <u>BUILDING</u> <u>Bill No. 13</u> <u>PAINTWORK</u> | | | |
| <u>ON WOOD</u> | | | |
| <u>Under coat and minimum 2 coats gloss enamel, colour TBC</u> | | | |
| 122 | On doors (External) | m2 | 15 |
| 123 | On doors (Internal) | m2 | 25 |
| Carried Forward | | | R |
| Bill No. 5 Waterborne-Gr R6 | | | |

| Item No | Quantity | Rate | Amount |
|--|----------|------|--------|
| <p><u>Section No. 6</u></p> <p><u>BILL NO. 1</u></p> <p><u>EARTHWORKS (PROVISIONAL)</u></p> <p><u>For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Nature of ground</u></p> <p><u>Use "assumed to be" if no trial holes, soils investigations, etc have been carried out - discuss with engineer. Use "Trial holes indicate that" where the ground has been investigated by means of trial holes</u></p> <p><u>Nature of ground</u></p> <p><u>A soils investigation has been carried out on site by the engineer and the report is annexed to these bills of quantities. Descriptions of excavations shall be deemed to include all ground conditions classifiable as "earth" described in the above report and where conditions of a more difficult character are indicated these are separately measured</u></p> <p><u>Carting away of excavated material</u></p> <p><u>Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site</u></p> <p><u>Filling</u></p> <p><u>Notwithstanding the reference to prescribed multiple handling in clause 1 page 6 of the Standard System of Measuring Building Work, prices for filling and backfilling shall include for all selection and any multiple handling of material</u></p> <p><u>Soil poisoning</u></p> | | | |
| <p>Carried Forward</p> <p>Bill No. 6</p> <p>Enviroloo-MD6</p> | | R | |

| Brought Forward | | | R |
|---|--|----|-----|
| <u>Ant and weed poisoning will be applied in accordance to SABS specifications by Registered and Approved Specialists who will issue a five (5) year guarantee. The contractor will only be paid for this items once they have produced the said certificate to the Principal Agent</u> | | | |
| <u>SITE CLEARANCE ETC</u> | | | |
| <u>Site clearance</u> | | | |
| 1 | Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc | m2 | 155 |
| <u>Section No. 6</u> <u>BUILDING</u> <u>Bill No. 1</u> <u>EARTHWORKS (PROVISIONAL)</u> | | | |
| 2 | Stripping average 100mm thick layer of top soil and stockpiling on site | m2 | 155 |
| <u>EXCAVATION, FILLING, ETC</u> | | | |
| <u>Excavation in earth not exceeding 2m deep</u> | | | |
| 3 | Trenches | m3 | 15 |
| 4 | Pits | m3 | 35 |
| 5 | Thickening under aprons | m3 | 5 |
| <u>Extra over trench and hole excavations in earth for excavation in</u> | | | |
| 6 | Soft rock | m3 | 6 |
| 7 | Hard rock | m3 | 3 |
| <u>Extra over all excavations for carting away</u> | | | |
| 8 | Surplus material from excavations on site to a dumping site to be located by the contractor | m3 | 50 |
| <u>Risk of collapse of excavations</u> | | | |
| 9 | Sides of trench and hole excavations not exceeding 1,5m deep | m2 | 70 |
| Carried Forward | | | R |
| Bill No. 6 Enviroloo-MD6 | | | |

| Brought Forward | | | R |
|--|--|------|----|
| <u>Keeping excavations free of water</u> | | | |
| 10 | Keeping excavations free of all water other than subterranean water | Item | |
| <u>Earth filling obtained from the excavations and /or prescribed stock piles on site including compacted to 93% Mod AASHTO density</u> | | | |
| 11 | Under floors, steps, paving, etc | m3 | 10 |
| 12 | Backfilling to trenches, holes, etc | m3 | 15 |
| <u>Compaction of surfaces</u> | | | |
| 13 | Compaction of ground surface under floors etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% Mod AASHTO density | m2 | 40 |
| 14 | Compaction of ground surface under floors etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% Mod AASHTO density (Enviro Loo Tanks Pit) | m2 | 20 |
| 15 | Compaction of ground surface under aprons including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 90% Mod AASHTO density | m2 | 35 |
| <u>Prescribed density tests on filling</u> | | | |
| 16 | Modified AASHTO Density | No | 5 |
| <u>Section No. 6</u> | | | |
| <u>BUILDING</u> | | | |
| <u>Bill No. 1</u> | | | |
| <u>EARTHWORKS (PROVISIONAL)</u> | | | |
| <u>SOIL POISONING</u> | | | |
| <u>Weedkiller mixed in accordance to supplier's specifications</u> | | | |
| 17 | To bottoms and sides of trenches, etc. | m2 | 50 |
| Carried Forward | | | R |
| Bill No. 6 Enviroloo-MD6 | | | |

| Brought Forward | | | R |
|--|---|----|----|
| 18 | Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming(pits) | m2 | 55 |
| 19 | Under floors, aprons etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming | m2 | 75 |
| <u>Soil insecticide</u> | | | |
| 20 | To bottoms and sides of trenches etc | m2 | 50 |
| 21 | Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming(pits) | m2 | 55 |
| 22 | Under floors, aprons etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming | m2 | 75 |
| <u>Section No. 6</u> | | | |
| <u>BUILDING</u> | | | |
| <u>Bill No. 1</u> | | | |
| <u>EARTHWORKS (PROVISIONAL)</u> | | | |
| <u>Section No. 6</u> | | | |
| <u>BILL NO. 2</u> | | | |
| <u>CONCRETE, FORMWORK AND REINFORCEMENT</u> | | | |
| <u>For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades</u> | | | |
| <u>UNREINFORCED CONCRETE, ETC.</u> | | | |
| <u>15MPa/19mm concrete</u> | | | |
| 23 | Surface blinding under footings and bases | m3 | 5 |
| 24 | Aprons cast in panels to falls | m3 | 5 |
| 25 | Extra over for concrete thickening in aprons size approximately 100mm deep, 400mm at top and tapering one side to 200mm at bottom, including all excavations, cart away, etc. | m | 45 |
| Carried Forward | | | R |
| Bill No. 6 Enviroloo-MD6 | | | |

| Brought Forward | | | | R |
|--|---|------|-----|---|
| <u>25MPa/19mm concrete</u> | | | | |
| 26 | Strip footings | m3 | 5 | |
| 27 | Ramps | m3 | 5 | |
| <u>REINFORCED CONCRETE</u> | | | | |
| <u>25MPa/19mm concrete</u> | | | | |
| 28 | Surface beds in pits | m3 | 5 | |
| 29 | Extra over for thickening in pits for thickening size approximately 150mm deep, 500mm at top and tapering to 400mm at bottom, incl. all excavations, cart away, etc. | m | 25 | |
| <u>30Mpa/19mm concrete</u> | | | | |
| 30 | Surface beds cast in panels on waterproofing. | m3 | 5 | |
| 31 | Slabs (pits) | m3 | 5 | |
| <u>TEST CUBES</u> | | | | |
| 32 | Allow for preparing a set of three concrete strength test cubes, each size 150 x 150 x 150mm, sending them to an approved Testing Laboratory for testing and paying all charges in connection therewith | Sets | 9.0 | |
| <u>Section No. 6</u> | | | | |
| <u>BUILDING</u> | | | | |
| <u>Bill No. 3</u> | | | | |
| <u>CONCRETE, FORMWORK AND REINFORCEMENT</u> | | | | |
| <u>CONCRETE SUNDRIES</u> | | | | |
| <u>Finishing top surfaces of concrete smooth with a wood float/steel trowel</u> | | | | |
| 33 | Surface beds, slabs, etc | m2 | 30 | |
| 34 | Surface beds, slabs, etc (pits) | m2 | 40 | |
| 35 | Aprons to falls | m2 | 35 | |
| <u>SMOOTH FORMWORK (DEGREE OF ACCURACY I)</u> | | | | |
| Carried Forward | | | | R |
| Bill No. 6 Enviroloo-MD6 | | | | |

| | Brought Forward | | | R |
|----|--|----|------|---|
| | <u>Smooth formwork to sides</u> | | | |
| 36 | Edges, risers, ends and reveals not exceeding 300mm high or wide | m | 45 | |
| | <u>Permanent formwork to soffits</u> | | | |
| 37 | Slabs propped up not exceeding 1,5m high | m2 | 20 | |
| 38 | Form 500mm radius opening in floor slab | No | 6 | |
| | <u>REINFORCEMENT (PROVISIONAL)</u> | | | |
| | <u>Mild steel reinforcement to structural concrete work</u> | | | |
| 39 | 8mm Diameter bars | t | 1.05 | |
| 40 | 10mm Diameter bars | t | 1.05 | |
| | <u>Fabric Reinforcement</u> | | | |
| 41 | Mesh ref. No. 395 fabric reinforcement fixed horizontally in surface beds etc. | m2 | 50 | |
| | <u>Carried Final Summary</u> | | | |
| | <u>Section No. 6</u> | | | |
| | <u>BUILDING</u> | | | |
| | <u>Bill No. 3</u> | | | |
| | <u>CONCRETE, FORMWORK AND REINFORCEMENT</u> | | | |
| | <u>SECTION NO. 1</u> | | | |
| | <u>BILL NO. 3</u> | | | |
| | <u>MASONRY</u> | | | |
| | <u>For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades</u> | | | |
| | <u>SUPPLEMENTARY PREAMBLES</u> | | | |
| | <u>BRICKWORK</u> | | | |
| | <u>Sizes in descriptions</u> | | | |
| | <u>Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick</u> | | | |
| | <u>Carried Forward</u> | | | R |
| | Bill No. 6 | | | |
| | Enviroloo-MD6 | | | |

| Brought Forward | | | R |
|--|---|----|-----|
| <u>Face bricks</u> | | | |
| <u>Bricks shall be ordered timeously to obtain uniformity in size and colour</u> | | | |
| <u>Pointing</u> | | | |
| <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> | | | |
| <u>FOUNDATIONS (PROVISIONAL)</u> | | | |
| <u>Brickwork of NFP bricks in class II mortar</u> | | | |
| 42 | One brick walls | m2 | 15 |
| 43 | One brick walls in pits | m2 | 50 |
| <u>FACE BRICKWORK</u> | | | |
| 44 | Extra over brickwork for face brickwork | m2 | 5 |
| <u>SUPERSTRUCTURE</u> | | | |
| <u>Brickwork of NFP bricks in class II mortar</u> | | | |
| 45 | Half brick walls | m2 | 40 |
| 46 | Half brick walls in beamfilling | m2 | 10 |
| 47 | One brick walls | m2 | 90 |
| <u>FACE BRICKWORK</u> | | | |
| 48 | Extra over brickwork for face brickwork | m2 | 100 |
| <u>Section No. 6</u> | | | |
| <u>BUILDING</u> | | | |
| <u>Bill No. 3</u> | | | |
| <u>MASONRY</u> | | | |
| 49 | Extra over brickwork for brick-on-edge header course lintel | m | 10 |
| 50 | 110mm Wide sill set level and slightly projecting | m | 10 |
| Carried Forward | | | R |
| Bill No. 6 Enviroloo-MD6 | | | |

| Brought Forward | | | R |
|---|---|----|----|
| <u>For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades</u> | | | |
| <u>DAMP-PROOFING OF WALLS AND FLOORS</u> | | | |
| <u>One layer of 375 micron Consol Plastic Brikgrip DPC" embossed damp proof course</u> | | | |
| 61 | In walls | m2 | 10 |
| <u>One layer of 250 micron "Consol Plastic USB Green" waterproof sheeting sealed at laps with "Gunplas Pressure Sensitive Tape"</u> | | | |
| 62 | Under surface beds | m2 | 30 |
| 63 | Under aprons and ramps | m2 | 35 |
| <u>FLOOR AND WALL SEALERS</u> | | | |
| <u>Secomastic non setting mastic sealant applied cold with a hand pressure caulking gun and leave perfectly watertight</u> | | | |
| 64 | Around steel windows and door frames | m | 85 |
| <u>Carried Final Summary</u> <u>Section No. 6</u> <u>BUILDING</u> <u>Bill No. 4</u> <u>WATERPROOFING</u> | | | |
| <u>Section No. 6</u> | | | |
| <u>BILL NO. 5</u> | | | |
| <u>ROOF COVERINGS ETC</u> | | | |
| <u>For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades</u> | | | |
| <u>PROFILED METAL SHEETING AND ACCESSORIES</u> | | | |
| <u>0,6mm "Kliplok" roof sheeting in chromadek finish fixed to timber purlins (elsewhere)</u> | | | |
| 65 | Roof covering with pitch not exceeding 25 degrees | m2 | 55 |
| Carried Forward | | | R |
| Bill No. 6 Enviroloo-MD6 | | | |

| Brought Forward | | |
|--|--|-------|
| <u>ROOF AND WALL INSULATION</u> | | |
| 66 | 12" Thermal resistance sisalation laid on purlins | m2 55 |
| <u>Carried Final Summary</u> <u>Section No. 6</u> <u>BUILDING</u> <u>Bill No. 5</u> <u>ROOF COVERINGS</u> <u>Section No. 6</u> <u>BILL NO. 6</u> <u>CARPENTRY AND JOINERY</u> <u>For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades</u> <u>ROOFS, ETC.</u> <u>Sawn softwood grade 6</u> | | |
| 67 | 76 x 38mm Wall plates | m 25 |
| 68 | 38 x 114mm Rafters in lengths exceeding 3,9m and not exceeding 6,6m | m 55 |
| 69 | 50 x 76mm Purlins in lengths exceeding 3,9m and not exceeding 6,6m | m 70 |
| <u>Sundries</u> | | |
| 70 | Two coats creosote on sawn timbers | m2 45 |
| 71 | 6mm Diameter galvanised wire tie 3000mm girth wrapped around rafter and purlin with ends tied together | No 72 |
| 72 | Hurricane clips | No 72 |
| <u>EAVES, VERGES, ETC</u> | | |
| <u>Pressed fibre-cement:</u> | | |
| 73 | 15 x 230mm Nutec Fascias and barge boards including galvanised steel H-profile jointing strips | m 35 |
| <u>DOORS, ETC</u> | | |
| Carried Forward | | |
| Bill No. 6 Enviroloo-MD6 | | |

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R

| Brought Forward | | | R |
|--|--|----|---|
| <u>Wrought meranti doors hung to steel frames</u> | | | |
| 74 | 44mm framed, ledged and braced door 813 x 2032mm high including external weather bar (D1) | No | 2 |
| 75 | 44mm framed, ledged and braced door 813 x 1882mm high (door raised by 150mm from bottom) (D2) | No | 6 |
| 76 | 44mm framed, ledged and braced door 915 x 2032mm high including external weather bar (disabled) | No | 1 |
| <u>Carried Final Summary</u> | | | |
| <u>Section No. 6</u> | | | |
| <u>BUILDING</u> | | | |
| <u>Bill No. 6</u> | | | |
| <u>CARPENTRY AND JOINERY</u> | | | |
| <u>Section No. 6</u> | | | |
| <u>BILL NO. 7</u> | | | |
| <u>IRONMONGERY</u> | | | |
| <u>For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades</u> | | | |
| <u>HINGES, BOLTS, ETC</u> | | | |
| <u>100mm Chrome plated "D" type handle 3 by solid brace hinges</u> | | | |
| <u>CATCHES, CABIN HOOKS, ETC</u> | | | |
| 77 | 100mm brace Cabin hook and eye including 70 x 70 x 20mm chamfered hardwood block twice oiled and plugged | No | 3 |
| <u>LOCKS</u> | | | |
| <u>Approved</u> | | | |
| 78 | Three lever mortice lock set | No | 2 |
| 79 | Indicator lock set | No | 6 |
| 80 | Security double throw dead lock (no latch) | No | 1 |
| <u>HANDLES, ETC.</u> | | | |
| Carried Forward | | | R |
| Bill No. 6 Enviroloo-MD6 | | | |

| Brought Forward | | | R |
|--|--|------|---|
| <u>Aluminium Pull Handle</u> | | | |
| 81 | ASSA ABLOY Anodised Silver straight pull handle (Code: AL5515-300BBAS) with 300mm fixing centres. | No 7 | |
| <u>SUNDRIES</u> | | | |
| <u>ASSA ABLOY</u> | | | |
| 82 | 38mm Diameter rubber door stop plugged | No 3 | |
| <u>Vaal Paragon</u> | | | |
| 83 | 32mm Type 9 back grab rail 800mm long plugged | No 1 | |
| 84 | 32mm Type 8 side grab rail 900mm girth plugged | No 1 | |
| <u>LETTERS, NAMEPLATES, ETC</u> | | | |
| <u>Dorma:</u> | | | |
| 85 | DSS-130 Engraved "Male" information sign, plugged | No 2 | |
| 86 | DSS-133 Engraved "Disabled" information sign, plugged | No 1 | |
| <u>Section No. 6</u> | | | |
| <u>BUILDING</u> | | | |
| <u>Bill No. 7</u> | | | |
| <u>IRONMONGERY</u> | | | |
| <u>BATHROOM FITTINGS</u> | | | |
| <u>Sundries</u> | | | |
| <u>Kimberley-Clark or Similar</u> | | | |
| 87 | SQ2 code 405607B white none lockable toilet roll holder | No 7 | |
| <u>stainless Steel</u> | | | |
| 88 | Stainless steel mirror size: 350 x 400mm plugged to wall with chrome plated screws. | No 3 | |
| 89 | Brushed stainless steel body, rust resistant, she bin, approximately 330 x 280 x 180mm etc | No 7 | |
| Carried Forward | | | R |
| Bill No. 6 Enviroloo-MD6 | | | |

| Brought Forward | | | R |
|---|--|----|----|
| <u>Carried Final Summary</u> <u>Section No. 6</u> <u>BUILDING</u> <u>Bill No. 9</u> <u>PLASTERING</u> <u>Section No. 6</u> <u>BILL NO. 11</u> <u>PLUMBING AND DRAINAGE(PROVISIONAL)</u> <u>RAINWATER DISPOSAL</u> <u>For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades</u> <u>Aluminium Zinc Seamless Gutters</u> | | | |
| 103 | 100 x 100mm sandard rainwater gutters fixed with gutter brackets | m | 15 |
| 104 | Extra over eaves gutter for stopped end | No | 2 |
| 105 | 75 x 100mm Diameter rainwater down pipes fixed to wall | m | 5 |
| 106 | Extra over eaves gutter for outlet for 75 x 100mm down pipe | No | 1 |
| 107 | Ditto .for shoe | No | 1 |
| <u>SANITARY FITTINGS</u> | | | |
| <u>"Vaal" or similar and approved</u> | | | |
| 108 | Ceramic wall mounted wash hand basin, complete with all fittings and accessories including cutting & making good wall & floor wherever required for disable toilets. | No | 1 |
| <u>SUPPLY AND INSTALL "ENVIRO-LOO" TOILET SYSTEMS</u> | | | |
| 109 | Enviroloo Industrial Standard seat system complete, (Code: FG-1040STDCA/B3) | No | 6 |
| 110 | Enviroloo two (3) Pan Urinal system complete (ABS) (FG-URI3PA/B3) | No | 4 |
| Carried Forward | | | R |
| Bill No. 6 Enviroloo-MD6 | | | |

| | Brought Forward | | | R |
|-----|--|----|----|---|
| | <u>PRECAST CONCRETE WASH HAND TROUGH</u> | | | |
| 111 | Standard SABS approved Pre-Cast Concrete Double Wash Trough, 1080 x 650 x 850mm high with support legs fitted with standard 3/4 Brass Garden Taps, fixed complete to berick wall, including all necessary pipework, including soak away as per 'Engineers detail'. | No | 2 | |
| | <u>Rainwater tank, etc.</u> | | | |
| 112 | 5000 Litre watertank fitted onto and secured to tank platforms including fastening cables | No | 1 | |
| | <u>Section No. 6</u> | | | |
| | <u>BUILDING</u> | | | |
| | <u>Bill No. 10</u> | | | |
| | <u>PLUMBING AND DRAINAGE(PROVISIONAL)</u> | | | |
| | <u>SOIL DRAINAGE</u> | | | |
| | <u>uPVC pipes</u> | | | |
| 113 | 110mm Pipes laid in and including trenches not exceeding 1m deep | m | 40 | |
| | <u>Extra over uPVC pipes for fittings</u> | | | |
| 114 | 110mm Bend | No | 5 | |
| 115 | 110mm Junction | No | 8 | |
| | <u>uPVC gulleys</u> | | | |
| 116 | 110mm Gulley not exceeding 750mm deep, including excavations, pre-cast concrete surround etc. | No | 3 | |
| | <u>TRAPS ETC</u> | | | |
| | <u>Marley</u> | | | |
| 117 | 40 x 300mm Sink combination for double bowl with deepseal "P" trap | No | 2 | |
| | <u>TAPS, VALVES, ETC</u> | | | |
| 118 | Cobra Watertech 15mm compression type angle regulating valve with 10mm bendable copper outlet tube service connection (Code: 232/350). | No | 4 | |
| | Carried Forward | | | R |
| | Bill No. 6 | | | |
| | Enviroloo-MD6 | | | |

| Brought Forward | | | R |
|--|---|------|----|
| 119 | Cobra Watertech 15mm chrome plated bibtap (Code: NM-500-21B) with blue indice and elbow action lever, manufactured in accordance with SANS 226:2009 Type 2 (BS 5412). | No | 4 |
| <u>SANITARY PLUMBING</u> | | | |
| <u>uPVC pipes</u> | | | |
| 120 | 50mm Pipes | m | 60 |
| <u>Extra over uPVC pipes for fittings</u> | | | |
| 121 | 50mm Bend | No | 6 |
| 122 | 50mm Access bend | No | 6 |
| 123 | 50mm Junction | No | 6 |
| <u>WATER SUPPLIES</u> | | | |
| <u>Class 0 copper pipes</u> | | | |
| 124 | 15mm Pipes | m | 20 |
| 125 | 22mm Pipes | m | 15 |
| <u>Carried Forward</u> | | | |
| <u>Section No. 6</u> | | | |
| <u>BUILDING</u> | | | |
| <u>Bill No. 10</u> | | | |
| <u>PLUMBING AND DRAINAGE(PROVISIONAL)</u> | | | |
| <u>Extra over class 0 copper pipes for capillary fittings</u> | | | |
| 126 | 15mm Fittings | No | 9 |
| 127 | 22mm Pipes | No | 6 |
| <u>TESTING</u> | | | |
| 128 | Allow for testing all drains, sanitary plumbing, water supplies and installation to the satisfaction of the Principle Agent. | Item | |
| <u>Carried Forward</u> | | | |
| Bill No. 6 Enviroloo-MD6 | | | R |

| | | | | | |
|-----|----------------------------|---|----|--|---|
| | | Brought Forward | | | R |
| | | <u>Carried Final Summary</u> <u>Section No. 6</u> <u>BUILDING</u> <u>Bill No. 10</u> <u>PLUMBING AND DRAINAGE(PROVISIONAL)</u> | | | |
| | | <u>Section No. 6</u> | | | |
| | | <u>BILL NO. 12</u> | | | |
| | | <u>GLAZING</u> | | | |
| | | <u>For preambles see "Model Preambles for Trades</u> <u>(2008 Edition)" and Supplementary preambles as</u> <u>specified in the Trades</u> | | | |
| | | <u>GLAZING TO STEEL WITH PUTTY</u> | | | |
| | | <u>6,38mm Obscure safety glass</u> | | | |
| 129 | Panes not exceeding 0,1 m2 | m2 | 10 | | |
| | | <u>Carried Final Summary</u> <u>Section No. 6</u> <u>BUILDING</u> <u>Bill No. 11</u> <u>GLAZING</u> | | | |
| | | <u>Section No. 6</u> | | | |
| | | <u>BILL NO. 13</u> | | | |
| | | <u>PAINTWORK</u> | | | |
| | | <u>For preambles see "Model Preambles for Trades</u> <u>(2008 Edition)" and Supplementary preambles as</u> <u>specified in the Trades</u> | | | |
| | | <u>PAINTWORK ETC TO NEW WORK</u> | | | |
| | | <u>PREPARATORY WORK TO EXISTING WORK</u> | | | |
| | | <u>Previously painted plastered surfaces</u> | | | |
| | | <u>Surfaces shall be thoroughly washed down and</u> <u>allowed to dry completely before any paint is</u> <u>applied. Blistered or peeling paint shall be</u> <u>completely removed and cracks shall be opened,</u> <u>filled with a suitable filler and finished smooth</u> | | | |
| | | Carried Forward | | | R |
| | Bill No. 6 | | | | |
| | Enviroloo-MD6 | | | | |

| Brought Forward | | | R |
|---|---|----|----|
| <u>Previously painted metal surfaces</u> | | | |
| <u>Surfaces shall be thoroughly rubbed and cleaned down. Blistered or peeling paint shall be completely removed down to bare metal</u> | | | |
| <u>Previously painted wood surfaces</u> | | | |
| <u>Surfaces shall be thoroughly cleaned down. Blistered or peeling paint shall be completely removed and cracks and crevices shall be primed, filled with suitable filler and finished smooth</u> | | | |
| <u>ON FIBRE-CEMENT</u> | | | |
| <u>Prepare and brush to remove all loose contaminations, apply one coat primer and two coats PVA emulsion paint</u> | | | |
| 130 | On fascias and barge boards | m2 | 15 |
| <u>ON METAL</u> | | | |
| <u>Prime and paint undercoat and 2 finishing coats in gloss enamel, colour TBC.</u> | | | |
| 131 | On door frames | m2 | 15 |
| <u>Spot priming defects in pre-prime surface with zinc chromate primer and apply one universal undercoat and two coats EPWP. golden brown gloss enamel paint on steel</u> | | | |
| 132 | On windows with burglar bars | m2 | 10 |
| <u>1 coat zinc chromate primer minimum and 2 coats gloss enamel (Exterior Quality)</u> | | | |
| 133 | On gates (Measured over the full flat area of both sides) | m2 | 15 |
| <u>Carried Forward</u> | | | |
| <u>Section No. 6</u> | | | |
| <u>BUILDING</u> | | | |
| <u>Bill No. 12</u> | | | |
| <u>PAINTWORK</u> | | | |
| <u>ON WOOD</u> | | | |
| Carried Forward | | | R |
| Bill No. 6 Enviroloo-MD6 | | | |

| Item No | | Quantity | Rate | Amount |
|---------|---|----------|------|--------|
| | <u>WATER SUPPLY</u> | | | |
| | <u>SECTION NO. 6</u> | | | |
| | <u>Class 10 HDPe type IV pipes</u> | | | |
| 1 | 40mm Pipes laid in and including trenches not exceeding 1m deep | m | | |
| 2 | 50mm Pipes laid in and including trenches not exceeding 1m deep | m | 175 | |
| | <u>Extra over Class 10 HDPE type IV pipes for fittings</u> | | | |
| 3 | 40mm Fittings | No | | |
| 4 | 40mm Reducer | No | | |
| 5 | 40mm Bend | No | | |
| 6 | 50mm Reducer | No | 6 | |
| 7 | 50mm Bend | No | 12 | |
| 8 | 50mm Threaded adaptor | No | 5 | |
| | <u>Galvanised medium steel pipes with screwed and socketed joints</u> | | | |
| 9 | 50mm Pipes | m | 24 | |
| | <u>Extra over galvanised medium steel pipes with screwed and socketed joints for steel fittings</u> | | | |
| 10 | 50mm Fittings | No | 4 | |
| 11 | 50mm Bush | No | 4 | |
| 12 | 50mm Elbow | No | 4 | |
| | <u>Valve boxes</u> | | | |
| 13 | 600 x 600mm Stopcock box complete as per detail drawing "Valve chamber" including 400 x 400 cast iron cover and frame depth not exceeding 750mm internally. | No | 1 | |
| | <u>Sundries</u> | | | |
| | Carried Forward | | R | |
| | Bill No. 7 | | | |
| | External works | | | |

| Brought Forward | | | | R |
|---|--|----|------|---|
| 14 | 300 x 300 x 50mm Precast concrete pipeline marker slab set in ground | No | 1 | |
| 15 | Cutting into existing water pipe | No | 1 | |
| <u>WATER TANKS</u> | | | | |
| <u>ELEVATED WATER TANKS</u> | | | | |
| <u>SUPPLEMENTARY PREAMBLES</u> | | | | |
| For preambles see "Specifications of materials and methods to be used - PW 371" | | | | |
| <u>Excavation in earth not exceeding 2m deep</u> | | | | |
| 16 | Holes | m3 | 8 | |
| <u>Extra over trench and hole excavations in earth for excavation in</u> | | | | |
| 17 | Soft rock | m3 | 4 | |
| 18 | Hard rock | m3 | 2 | |
| <u>Extra over all excavations for carting away</u> | | | | |
| 19 | Surplus material from excavations and/stock piles on site to the dumping site to be located by the Contractor. | m3 | 6 | |
| Risk of collapse of excavations | | | | |
| 20 | Sides of trench and hole excavation not exceeding 1,5m deep. | m2 | 16 | |
| <u>Keeping excavations free of water.</u> | | | | |
| 21 | Keeping excavations free of water. | | Item | |
| <u>Earth filling obtained from the excavations and / or prescribed stock piles on site compacted to 93 % Mod AASHTO density</u> | | | | |
| 22 | Backfilling to trenches, holes, etc. | m3 | 2 | |
| <u>Soil insecticide</u> | | | | |
| 23 | To bottoms and sides of trenches, etc. | m2 | 24 | |
| Carried Forward | | | | R |
| Bill No. 7 External works | | | | |

| Brought Forward | | | | R |
|-----------------|---|----|-----|---|
| | <u>One layer of 250 micron green medium density waterproof sheeting sealed at laps with pressure sensitive tape in accordance with the manufacturer's instructions.</u> | | | |
| 24 | Under surface beds | m2 | 24 | |
| | 15Mpa/19mm Concrete | | | |
| 25 | Blinding | m3 | 1 | |
| | <u>25Mpa/19mm Concrete</u> | | | |
| 26 | Bases | m3 | 6 | |
| 27 | Platform surface beds cast in panels | m3 | 5 | |
| | <u>Finishing top surfaces of concrete smooth with a wood float</u> | | | |
| 28 | Platform surface beds | m2 | 24 | |
| | <u>Finishing top surfaces of concrete smooth with a wood float</u> | | | |
| 29 | On top of bases | m2 | 5 | |
| | <u>"Jojo" or equal approved SANS PVC water tanks</u> | | | |
| 30 | 5 000 Litre plastic water tank fitted onto and secured to tank platforms | No | 1 | |
| 31 | 10 000 Litre plastic water tank fitted onto and secured to tank platforms | No | | |
| | <u>Galvanized medium normalized mild steel piping</u> | | | |
| 32 | 25mm Pipes | m | 60 | |
| 33 | 50mm Pipes | m | 105 | |
| | <u>Extra over galvanised mild steel water supply pipes for fittings:</u> | | | |
| 34 | 25mm Fittings. | No | 10 | |
| 35 | 50mm Elbows. | No | 10 | |
| Carried Forward | | | | R |
| Bill No. 7 | | | | |
| External works | | | | |

| Brought Forward | | | |
|-----------------|---|----|------|
| 36 | 50mm Union. | No | 10 |
| 37 | 50mm Reducing bush. | No | 4 |
| | <u>"Cobra Watertech" or other equal approved</u> | | |
| 38 | 15mm "Cobra Ref. 108LK" brass hose biptap. | No | 4 |
| 39 | 50mm Fullway gate valve | No | 4 |
| | <u>The following in structural steel tank stands</u> | | |
| | <u>Welded steel columns in single lengths with flat base, cap, bearer and connection plates, bolted to concrete</u> | | |
| 40 | 80 x 80mm x 6mm angle columns | t | 1.50 |
| | <u>Steel members and girth, bolted to steel</u> | | |
| 41 | 30 x 30mm x 6mm Flat-bar | t | 0.20 |
| 42 | 40 x 40mm x 5mm angle | t | 0.20 |
| 43 | 125 x 75mm x 8mm unequal angle | t | 0.20 |
| 44 | 125 x 50mm x 20 x 2mm Lipped channel | t | 0.50 |
| | <u>BOLTS, FASTENERS, ETC. (LI)</u> | | |
| 45 | High tensile bolts | t | 0.50 |
| 46 | 12mm Diameter L-shaped threaded anchor bolt 350mm girth embedded in top of concrete | No | 16 |
| | <u>ON METAL</u> | | |
| | <u>Undercoat and minimum 2 coat gloss enamel</u> | | |
| 47 | Paint to structural steel | m | 125 |
| | <u>TESTING</u> | | |
| | <u>Testing of water tanks</u> | | |
| 48 | Testing for tank | | Item |
| | <u>STAND PIPES</u> | | |
| | Carried Forward | | |
| | Bill No. 7 | | |
| | External works | | |

R

R

| Brought Forward | | | R |
|---|---|------|----|
| <u>SEPTIC TANK AND FRENCH DRAINS</u> | | | |
| <u>SEPTIC TANKS, ETC.</u> | | | |
| For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades | | | |
| 49 | Allow the amount of R150 000.00 (One hundred and fifty thousand rand) for the refurbishment of the septic tank not clearly defined, to be used as directed by the principal agent and deducted in whole or in part if not required. | Item | |
| <u>SITE CLEARANCE ETC</u> | | | |
| <u>Site clearance</u> | | | |
| 50 | Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc | m2 | 40 |
| <u>EXCAVATION, FILLING, ETC.</u> | | | |
| <u>Excavation in earth exceeding 2m and not exceeding 4m deep</u> | | | |
| 51 | Holes | m3 | 88 |
| Extra over all excavations for carting away | | | |
| 52 | Extra over all excavations for carting away surplus material from excavations and/or stockpile on site to a dumping site to be located by the Contractor | m3 | 32 |
| <u>Risk of collapse of excavations</u> | | | |
| 53 | Sides of trench and hole excavations exceeding 1,5m deep and not exceeding not exceeding 3m deep | m2 | 58 |
| <u>Earth filling obtained from the excavations and /or prescribed stock piles on site including compacted to 93% Mod AASHTO density</u> | | | |
| 54 | Backfilling to trenches, holes, etc | m3 | 7 |
| Keeping excavations free of water | | | |
| Carried Forward | | | R |
| Bill No. 7 External works | | | |

| Brought Forward | | | R |
|--|---|------|-----|
| 55 | Keeping excavations free of all water other than subterranean water | Item | |
| <u>REINFORCED CONCRETE</u> | | | |
| <u>15MPa/19mm concrete</u> | | | |
| 56 | 15Mpa in blinding | m3 | 1 |
| <u>25MPa/19mm concrete</u> | | | |
| 57 | 25Mpa in base | m3 | 7 |
| 58 | 25Mpa in slab over septic tank | m3 | 4 |
| 59 | Concrete haunch formed below pipes | m3 | 0.1 |
| <u>CONCRETE SUNDRIES</u> | | | |
| <u>Finishing top surfaces of concrete smooth with a steel trowel</u> | | | |
| 60 | Surface beds, slabs, etc. to falls | m2 | 22 |
| <u>Permanent formwork to soffits</u> | | | |
| 61 | Slab over septic tank | m2 | 22 |
| Smooth formwork to form | | | |
| 62 | Opening not exceeding 1m girth through 170mm slab | No | 2 |
| <u>SMOOTH FORMWORK (DEGREE OF ACCURACY I)</u> | | | |
| <u>Smooth formwork to sides</u> | | | |
| 63 | Edges, risers, ends and reveals not exceeding 300mm high or wide | m | 20 |
| <u>REINFORCEMENT</u> | | | |
| <u>Fabric reinforcement</u> | | | |
| 64 | Type 888 fabric reinforcement in concrete surface beds, slabs, etc | m2 | 44 |
| Carried Forward | | | R |
| Bill No. 7 External works | | | |

| Brought Forward | | | | R |
|---|---|----|-----|---|
| <u>MASONRY</u> | | | | |
| <u>Brickwork of NFP bricks in class II mortar</u> | | | | |
| 65 | One brick walls | m2 | 70 | |
| <u>Brickwork reinforcement</u> | | | | |
| 66 | 150mm Wide reinforcement built in horizontally | m | 230 | |
| <u>Face bricks (purchase price of R5 000.00/1000 delivered to site excluding VAT) pointed with flush horizontal and vertical joints</u> | | | | |
| 67 | Extra over brickwork for face brickwork in foundation | m2 | 16 | |
| <u>BRICKWORK SUNDRIES</u> | | | | |
| 68 | Leave of form 450 x 150mm high opening through a one brick wall | No | 2 | |
| 69 | Leave or form opening through one brickwall for pipe 110mm dia | No | 3 | |
| <u>PLASTERING</u> | | | | |
| <u>Watertight cement plaster on brickwork</u> | | | | |
| 70 | On walls | m2 | 60 | |
| Screed | | | | |
| 71 | On floors | m2 | 22 | |
| <u>Two coats approved epoxy coats</u> | | | | |
| 72 | On walls and floors | m2 | 80 | |
| <u>PLUMBING AND DRAINAGE</u> | | | | |
| <u>uPVC pipes</u> | | | | |
| 73 | 110mm Pipes | m | 45 | |
| Extra over uPVC pipes for fittings | | | | |
| 74 | 110mm Tee | No | 2 | |
| Carried Forward | | | | R |
| Bill No. 7 External works | | | | |

| Brought Forward | | | R |
|---|--|------|----|
| | <u>Cover, etc</u> | | |
| 75 | 600 x 600mm Type 2A cast iron single seal manhole cover and frame | No | 4 |
| 76 | Lifting key for manhole cover | No | 1 |
| <u>FRENCH DRAINS</u> | | | |
| <u>SITE CLEARANCE ETC.</u> | | | |
| | <u>Site clearance</u> | | |
| 77 | Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc. | m2 | 20 |
| <u>EXCAVATION, FILLING, ETC.</u> | | | |
| | <u>Excavation in earth not exceeding 2m deep</u> | | |
| 78 | Holes | m3 | 15 |
| | <u>Extra over trench and hole excavations in earth for excavation in</u> | | |
| 79 | Soft rock | m3 | 1 |
| 80 | Hard rock | m3 | 1 |
| | <u>Extra over all excavations for carting away</u> | | |
| 81 | Extra over all excavations for carting away surplus material from excavations and/or stockpile on site to a dumping site to be located by the Contractor | m3 | 8 |
| | <u>Risk of collapse of excavations</u> | | |
| 82 | Sides of trench and hole excavations not exceeding 1,5m deep | m2 | 4 |
| | <u>Keeping excavations free of water</u> | | |
| 83 | Keeping excavations free of all water other than subterranean water | Item | |
| | <u>Earth filling obtained from the excavations and/or prescribed stock piles on site (not compacted)</u> | | |
| Carried Forward | | | R |
| Bill No. 7 External works | | | |

| Brought Forward | | | R |
|---|--|----|----|
| 84 | On top of french drain as soil cover | m3 | 7 |
| <u>FILTER FABRIC</u> | | | |
| <u>"Kaytech Engineered Fabric" or similar approved laid in strict accordance to the manufacturer's instructions</u> | | | |
| 85 | "Kaymat U14" or equal approved around stone filling in sub-soil drain trenches | m2 | 20 |
| <u>20mm Graded stone filling or similar approved</u> | | | |
| 86 | In holes | m3 | 5 |
| 200 - 300mm Diameter clean washed stone filling or similar approved by engineer | | | |
| 87 | In holes | m3 | 15 |
| <u>WATERPROOFING</u> | | | |
| <u>One layer of 250 micron "Tarkon USB Green" or equal approved waterproof sheeting sealed at laps with "Gunplas Pressure Sensitive Tape"</u> | | | |
| 88 | On top of pipes as protection of joints | m2 | 15 |
| <u>ROOF SHEETING</u> | | | |
| <u>Roof sheeting</u> | | | |
| 89 | On top of french drain | m2 | 15 |
| <u>uPVC pipes</u> | | | |
| 90 | 110mm pipes laid in and including trenches | m | 15 |
| 91 | 160mm pipes laid in and including trenches | m | 10 |
| <u>Extra over uPVC pipes for fittings</u> | | | |
| 92 | 110mm End cap | No | 4 |
| 93 | 110mm Bend | No | 2 |
| <u>WATER HARVESTING TANKS</u> | | | |
| <u>WATER TANKS</u> | | | |
| Carried Forward | | | R |
| Bill No. 7 External works | | | |

| Brought Forward | | | R |
|---|---|------|----|
| <u>SITE CLEARANCE ETC</u> | | | |
| <u>Site clearance</u> | | | |
| 94 | Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc. | m2 | 65 |
| <u>EXCAVATION, FILLING, ETC.</u> | | | |
| <u>Excavation in earth not exceeding 2m deep</u> | | | |
| 95 | Trenches | m3 | 20 |
| | Extra over trench and hole excavations in earth for excavation in | | |
| 96 | Soft rock | m3 | 5 |
| 97 | Hard rock | m3 | 2 |
| <u>Extra over all excavations for carting away</u> | | | |
| 98 | Surplus material from excavations on site to a dumping site to be located by the contractor | m3 | 10 |
| <u>Risk of collapse of excavations</u> | | | |
| 99 | Sides of trench and hole excavations not exceeding 1,5m deep | m2 | 23 |
| <u>Keeping excavations free of water</u> | | | |
| 100 | Keeping excavations free of all water other than subterranean water | Item | |
| <u>Earth filling obtained from the excavations and /or prescribed stock piles on site including compacted to 93% Mod AASHTO density</u> | | | |
| 101 | Backfilling to trenches, holes, etc | m3 | 7 |
| <u>SOIL POISONING</u> | | | |
| <u>Soil poisoning mixed in accordance to supplier's specifications</u> | | | |
| 102 | To bottoms and sides of trenches, etc. | m2 | 13 |
| Carried Forward | | | R |
| Bill No. 7 External works | | | |

| Brought Forward | | | | R |
|---|--|------|-----|---|
| <u>CONCRETE, FORMWORK AND REINFORCEMENT</u> | | | | |
| <u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u> | | | | |
| <u>25MPa/19mm concrete</u> | | | | |
| 103 | Strip footings | m3 | 10 | |
| 104 | Platform surface beds cast in panels | m3 | 3 | |
| <u>FINISHING TOP SURFACE OF CONCRETE</u> | | | | |
| <u>Finishing top surfaces of concrete smooth with a wood float/steel trowel</u> | | | | |
| 105 | Surface beds, slabs, etc (rainwater tanks) | m2 | 31 | |
| <u>REINFORCEMENT</u> | | | | |
| <u>Fabric reinforcement</u> | | | | |
| 106 | Type 295 fabric reinforcement in concrete surface beds, slabs, etc | m2 | 31 | |
| <u>TEST CUBES</u> | | | | |
| 107 | Allow for preparing a set of three concrete strength test cubes, each size 150 x 150 x 150mm, sending them to an approved Testing Laboratory for testing and paying all charges in connection therewith. | Sets | 3.0 | |
| <u>BRICKWORK</u> | | | | |
| <u>Brickwork of NFP bricks in class II mortar</u> | | | | |
| 108 | One brick walls | m2 | 17 | |
| <u>BRICKWORK SUNDRIES</u> | | | | |
| <u>Brickwork reinforcement</u> | | | | |
| 109 | 150mm Wide reinforcement built in horizontally | m | 50 | |
| Carried Forward | | | | R |
| Bill No. 7 External works | | | | |

| Brought Forward | | | | R |
|---|---|----|----|---|
| <u>FACE BRICKWORK</u> | | | | |
| <u>Face bricks (Purchase price of R5 000-00/1000 VAT excl. delivered to site) pointed with recessed horizontal and vertical joints</u> | | | | |
| 110 | Extra over brickwork for face brickwork | m2 | 25 | |
| <u>Brick-on-edge header course copings, sills, etc of face bricks (Purchase price R3 500,00/1000 VAT excl. delivered to site) pointed with recessed joints on all exposed faces</u> | | | | |
| 111 | Coping on top of one brick wall | m | 50 | |
| <u>WATERPROOFING</u> | | | | |
| <u>One layer of 250 micron "Consol Plastic USB Green" waterproof sheeting sealed at laps with "Gunplas Pressure Sensitive Tape"</u> | | | | |
| 112 | Under surface beds | m3 | 31 | |
| <u>WATER SUPPLIES</u> | | | | |
| <u>"Jojo" approved SANS PVC water tanks</u> | | | | |
| 113 | 2500 Litre plastic water tank fitted onto and secured to tank platforms | No | 2 | |
| <u>Galvanized medium normalized mild steel piping</u> | | | | |
| 114 | 25mm Pipes | m | 10 | |
| <u>Extra over galvanised mild steel water supply pipes for fittings:</u> | | | | |
| 115 | 25mm Fittings. | No | 10 | |
| 116 | 15mm "Cobra Ref. 108LK" brass hose biptap | No | 5 | |
| <u>PAVED WALKWAYS</u> | | | | |
| <u>SUPPLEMENTARY PREAMBLES</u> | | | | |
| For preambles see "Specifications of materials and methods to be used - PW 371" | | | | |
| Carried Forward | | | | R |
| Bill No. 7 External works | | | | |

| Brought Forward | | | R |
|---|--|----|-----|
| <u>Site Clearance</u> | | | |
| 117 | Digging up and removing rubbish, debris, vegetation, hedges, shrubs, bush and trees not exceeding 200mm girth, etc. | m2 | 410 |
| 118 | Stripping average 100mm thick layer of top soil and stockpiling on site | m2 | 410 |
| <u>Open face excavation in earth over sloping site</u> | | | |
| 119 | Excavation in earth not exceeding 2m open face excavation to form platforms under parking areas etc and depositing excavated material over site, including haulage not exceeding 10m from perimeter of excavations exceeding 2m deep | m3 | 150 |
| <u>Extra over all excavations for carting away</u> | | | |
| 120 | Surplus material from excavations and/stock piles on site to the dumping site to be located by the Contractor. | m3 | 150 |
| <u>Earth filling supplied by the contractor under parking areas, roadways, etc</u> | | | |
| 121 | Sub-base course of G5 material in accordance with SABS 1200 DM, compacted to 93% Mod AASHTO density | m3 | 150 |
| <u>Compaction of surfaces</u> | | | |
| 122 | Compaction of ground surface under floors etc. including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% Mod AASHTO density | m2 | 410 |
| <u>Soil poisoning</u> | | | |
| 123 | Weedkiller (active ingredients metolachlor 102,8 g/l, terbutylazine 248,6 g/l and atrazine 248,6 g/l) mixed in the proportion of 100 ml weedkiller to 100 l water and applied at a rate of 10 l/m ² on cleared ground | m2 | 410 |
| <u>60mm Thick precast concrete DZZ interlocking heavy duty block paving of grey 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> | | | |
| Carried Forward | | | R |
| Bill No. 7 External works | | | |

| | | Brought Forward | |
|-----|---|------------------------|-----|
| 124 | Paving to toilet areas etc. to falls | m2 | 410 |
| 125 | Fig. 12 kerbs to sides of paving | m | 615 |
| 126 | 15Mpa/19mm unreinforced concrete in haunching | m3 | 1 |

STORMWATER CONTROL

SUPPLEMENTARY PREAMBLES

For preambles see "Specifications of materials and methods to be used - PW 371"

Earthworks

| | | | |
|-----|--|----|-----|
| 127 | Digging up and removing rubbish, debris, vegetation, hedges, shrubs, bush and trees not exceeding 200mm girth, etc. | m2 | 250 |
| 128 | Excavate in earth below natural, reduced or made up ground level, not exceeding 2m deep, to reduced levels under aprons, paving, etc. | m3 | 35 |
| 129 | Extra over surplus material from excavations and/stock piles on site to the dumping site to be located by the Contractor. | m3 | 35 |
| 130 | Extra over trench or hole for excavations in soft rock | m3 | 20 |
| 131 | Extra over trench or hole for excavations in hard rock | m3 | 15 |
| 132 | Re-compaction of disturbed formation levels, including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% Mod AASHTO density | m2 | 250 |
| 133 | Treat soil under concrete rain water channels, etc. with an approved insecticide solution at the rate not less than 2 litre per 1m2 | m2 | 250 |

Reinforced Concrete

Carried Forward

Bill No. 7
External works

R

R

| | Brought Forward | | | R |
|-----|---|----|-----|---|
| 138 | <p><u>Panels:</u> 1.80m x 3.0m</p> <p><u>Palings 'DevilFork':</u> 21 palings per panel. 30 x 30 x 2mm steel angle iron paling 1.8m high. Palings are to be inserted and firmly welded to the bearers at 133mm centre to centre. The top of the paling should provide a "Devil fork" effect and the bottom will have a dove tail.</p> <p><u>Fence bearers:</u> 40 x 40 x 2mm angle iron. These are places 300mm from the top of the paling and 300mm from the bottom paling (350mm from ground level). These are to be welded flash with the back of the post</p> <p><u>Painting:</u> All joints must be smoothed off. All faux, rust, grease and loose material to be removed before painting. Apply one coat primer for steel (red oxide), apply one coat universal undercoat for all surfaces, apply one coat gloss enamel. The colour of the gloss enamel paint shall be traffic green unless directed otherwise by the Limpopo Department of Education (not school) No brush painting</p> | m | 760 | |
| 139 | <p><u>Posts:</u> 76 x 76 x 2mm steel square tubing with closing pyramid caps on top. The post should be at least 2.4m high and 600mm will be planted into the concrete footing in accordance to the engineers design</p> | No | 255 | |
| | Carried Forward | | | R |
| | Bill No. 7 External works | | | |

| | Brought Forward | | | R |
|-----|---|----|---|---|
| 140 | <p><u>Palisade Gates</u></p> <p><u>Sliding Gate:</u> 5m wide x 1.8m high, 40 x 40 x 2mm angle iron palings welded to a 76 x 38 x 2 mm rectangular tubing bearer frame. Plings must be placed at 133 mm apart from each other centre to centre. The gate is to be provided with proper closing and guidance mechanism. The track should be 12mm steel rod welded to a 40 x 40 x 5mm angle iron fixed into a 300 wide x 400 thick x 5m length of the gate</p> <p><u>Gate post:</u> 75mm x 75mm x 2mm steel square tubing post is to be provided on each side of the gate opening with closing pyramid caps on top. The post is to be founded in a concrete footing 450 x 450 x 600 deep. Concrete strength to be 20MPa (minimum) at 28 days</p> <p><u>Painting:</u> All joints must be smoothed off. All faux, rust, grease and loose material to be removed before painting. Apply one coat primer for steel (red oxide), apply one coat universal undercoat for all surfaces, apply one coat gloss enamel. The colour of the gloss enamel paint shall be traffic green unless directed otherwise by the Limpopo Department of Education (not school) No brush painting</p> | No | 1 | |
| | Carried to Summary | | | R |
| | Bill No. 7 External works | | | |

| Item No | | Quantity | Rate | Amount |
|--------------------------------|---|----------|------|--------|
| 1 | Land Survey | Item | | |
| 2 | Add profit and attendance | % | | |
| 3 | Geophysical studies | Item | | |
| 4 | Add profit and attendance | % | | |
| 5 | Training (SSME and Labour) | Item | | |
| 6 | Add profit and attendance | % | | |
| 7 | Electrical works | Item | | |
| 8 | Add profit and attendance | % | | |
| 9 | Remuneration of Community Liaison Officer (CLO) | Item | | |
| 10 | Add profit and attendance | % | | |
| 11 | Borehole refurbishment | Item | | |
| 12 | Add profit and attendance | % | | |
| 13 | Sewer Reticulation | Item | | |
| 14 | Add profit and attendance | % | | |
| 15 | Refurbishments | Item | | |
| 16 | Add profit and attendance | % | | |
| Carried to Summary | | | | R |
| Bill No. 8 Provisional Sums | | | | |

FINAL SUMMARY

| Bill No | | Page No | Amount | |
|---------------------------|------------------------|---------|--------|--|
| 1 | P's and G's | 27 | | |
| 2 | Alterations | 29 | | |
| 3 | Enviroloo-FD4 | 48 | | |
| 4 | Enviroloo-SD8 | 68 | | |
| 5 | Waterborne-Gr R6 | 88 | | |
| 6 | Enviroloo-MD6 | 108 | | |
| 7 | External works | 125 | | |
| 8 | Provisional Sums | 126 | | |
| | Contingency sum (@10%) | % | | |
| | VAT (@15%) | % | | |
| Carried to Form of Tender | | | R | |