

**NKANGELEKHO INTERMEDITE SCHOOL
THE MVULA TRUST FLUSH MAINTENANCE PROGRAMME**

| Item No | | Quantity | Rate | Amount |
|---------|--|----------|------|--------|
| | <p><u>SECTION No. 1 - PRELIMINARIES</u></p> <p><u>BILL NO. 1</u></p> <p><u>PRELIMINARIES</u></p> <p><u>MEANING OF TERMS "TENDER / TENDERER"</u></p> <p>Any reference to the words "Tender" or "Tenderer" herein and/or in any other documentation shall be construed to have the same meaning as the words "Bid" or "Bidder"</p> <p><u>PRELIMINARIES</u></p> <p>The JBCC Preliminaries Code 2103, May 2005 edition for use with the JBCC Principal Building Agreement Edition 4.1 Code 2101, March 2005 is taken to be incorporated herein. The tenderer is deemed to have referred to these documents for the full intent and meaning of each clause. These clauses are referred to by number and heading only. Where standard clauses or options are not applicable to the contract such modifications or corrections as are necessary are given under each relevant clause. Where an item is not relevant to this specific contract such item is marked "N/A" signifying "Not Applicable"</p> <p><u>PRICING OF PRELIMINARIES</u></p> <p>Should Option A, as set out in clause B10.3.1 hereinafter be used for the adjustment of preliminaries then each item priced is to be allocated to one or more of the three categories Fixed, Value Related or Time Related and the respective amounts entered in the spaces provided under each item</p> <p>Items not priced in these Preliminaries shall be deemed to be included elsewhere in these Bills of Quantities</p> | | | |
| | Carried to Collection | | R | |
| | <p>Section No. 1 Bill No. 1 PRELIMINARIES AND GENERAL</p> <p>PROVISIONAL BILLS OF QUANTITIES</p> | | | |

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| 1 | <p><u>SECTION A: JBCC PRINCIPAL BUILDING AGREEMENT</u></p> <p><u>DEFINITIONS</u></p> <p>A1.0 DEFINITIONS AND INTERPRETATION</p> <p>Clause 1.0</p> <p>Clause 1.1 Definition of "Commencement Date" is added:</p> <p>"COMMENCEMENT DATE" means the date that is 5 working days after site hand over.</p> <p>Clause 1.1 Definition of "Construction Guarantee" is amended by replacing it with the following:</p> <p>"CONSTRUCTION GUARANTEE" means a guarantee at call obtained by the contractor from an institution approved by the employer in terms of the employer's construction guarantee form as selected in the schedule</p> <p>Clause 1.1 Definition of "Construction Period" is amended by replacing it with the following:</p> <p>"CONSTRUCTION PERIOD" means the period commencing on the commencement date and ending on the date of practical completion</p> <p>Clause 1.1 Definition of "Corrupt Practice" is added:</p> <p>"CORRUPT PRACTICE" means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution</p> <p>Clause 1.1 Definition of "Fraudulent Practice" is added:</p> <p align="right">Carried to Collection</p> <p>Section No. 1 Bill No. 1 PRELIMINARIES AND GENERAL</p> <p>PROVISIONAL BILLS OF QUANTITIES</p> | | | |
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| <p>"FRAUDULENT PRACTICE" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of any tenderer and includes collusive practice among tenderers (prior to or after the tender submission) designed to establish tender prices at artificial non-competitive levels and to deprive the tenderer of the benefits of free and open competition</p> | <p>Clause 1.1 Definition of "Interest" is amended by replacing it with the following:</p> | <p>"INTEREST" means the interest rates applicable on this contract, whether specifically indicated in the relevant clauses or not, will be in terms of the legislation of the Republic of South Africa, and in particular:</p> | <p>(a) in respect of interest owed by the employer, the interest rate as determined by the Minister of Justice and Constitutional Development from time to time, in terms of section 1(2) of the Prescribed Rate of Interest Act, 1975 (Act No. 55 of 1975), will apply;</p> | <p>and</p> | <p>(b) in respect of interest owed to the employer, the interest rate as determined by the Minister of Finance, from time to time, in terms of section 80(1)(b) of the Public Finance Management Act, 1999 (Act No. 1 of 1999), will apply</p> | <p>Clause 1.1 Definition of "Principal Agent" is amended by replacing it with the following:</p> | <p>"PRINCIPAL AGENT" means the person or entity appointed by the employer and named in the schedule. In the event of a principal agent not being appointed, then all the duties and obligations of a principal agent as detailed in the agreement shall be fulfilled by a representative of the employer as named in the schedule</p> | <p>Carried to Collection</p> | <p>R</p> | <p>Section No. 1 Bill No. 1 PRELIMINARIES AND GENERAL</p> | <p>PROVISIONAL BILLS OF QUANTITIES</p> |
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| | <p>Clause 1.1 Definition of "Security" is amended by replacing it with the following:</p> <p>"SECURITY" means the form of security provided by the employer or contractor, as stated in the schedule, from which the contractor or employer may recover expense or loss</p> <p>Clause 1.6 is amended by replacing the words "prepaid registered post, telefax or e-mail" with "prepaid registered post or telefax"</p> <p>Clause 1.6.4 is amended by replacing it with the following:</p> <p>No clause</p> <p>Fixed:_____ Value related:_____ Time related:_____</p> <p><u>OBJECTIVE AND PREPARATION</u></p> | | | | |
| 1 | <p>A2.0 OFFER, ACCEPTANCE AND PERFORMANCE</p> <p>Clause 2.0</p> <p>Fixed:_____ Value related:_____ Time related:_____</p> | Item | | | |
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| 1 | <p>A3.0 DOCUMENTS</p> <p>Clause 3.0</p> <p>Clause 3.2.1 is amended by replacing "14.1" with "14.0"</p> <p>Clause 3.7 is amended by the addition of the following:</p> <p>The contractor shall supply and keep a copy of the JBCC Series 2000 Principal Building Agreement and Preliminaries applicable to this contract on the site, to which the employer, principal agent and agents shall have access at all times</p> <p>Clause 3.10 is amended by replacing the second reference to "principal agent" with the word "employer"</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item | | |
| 2 | <p>A4.0 DESIGN RESPONSIBILITY</p> <p>Clause 4.0</p> <p>Clause 4.3 is amended by replacing it with the following:</p> <p>No clause</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item | | |
| 3 | <p>A5.0 EMPLOYER'S AGENTS</p> <p>Clause 5.0</p> <p>Clause 5.1.2 is amended to include clauses 32.6.3, 34.3 and 34.4 in terms of which the employer has retained its authority and has not given a mandate to the principal agent and in terms of which the employer shall sign all documents.</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item | | |
| <p align="right">Carried to Collection</p> <p>Section No. 1 Bill No. 1 PRELIMINARIES AND GENERAL</p> <p>PROVISIONAL BILLS OF QUANTITIES</p> | | | R | |

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| 1 | <p>A6.0 SITE REPRESENTATIVE</p> <p>Clause 6.0</p> <p>Fixed:_____ Value related:_____ Time related:_____</p> | Item | | | |
| 2 | <p>A7.0 COMPLIANCE WITH REGULATIONS</p> <p>Clause 7.0</p> <p>Fixed:_____ Value related:_____ Time related:_____</p> | Item | | | |
| 3 | <p>A8.0 WORKS RISK</p> <p>Clause 8.0</p> <p>Fixed:_____ Value related:_____ Time related:_____</p> | Item | | | |
| 4 | <p>A9.0 INDEMNITIES</p> <p>Clause 9.0</p> <p>Fixed:_____ Value related:_____ Time related:_____</p> | Item | | | |
| 5 | <p>A10.0 WORKS INSURANCES</p> <p>Clause 10.0</p> <p>Clause 10.0 is amended by the addition of the following clauses:</p> | | | | |
| Carried to Collection | | | R | | |
| <p>Section No. 1</p> <p>Bill No. 1</p> <p>PRELIMINARIES AND GENERAL</p> <p>PROVISIONAL BILLS OF QUANTITIES</p> | | | | | |

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| | <p>10.5 Damage to the Works</p> <p>(a) Without in any way limiting the contractor's obligations in terms of the contract, the contractor shall bear the full risk of damage to and/or destruction of the works by whatever cause during construction of the works and hereby indemnifies and holds harmless the employer against any such damage. The contractor shall take such precautions and security measures and other steps for the protection and security of the works as the contractor may deem necessary</p> <p>(b) The contractor shall at all times proceed immediately to remove or dispose of any debris arising from damage to or destruction of the works and to rebuild, restore, replace and/or repair the works</p> <p>(c) The employer shall carry the risk of damage to or destruction of the works and materials paid for by the employer that is the result of the excepted risks as set out in 10.6</p> <p>(d) Where the employer bears the risk in terms of this contract, the contractor shall, if requested to do so, reinstate any damage or destroyed portions of the works and the costs of such reinstatement shall be measured and valued in terms of 32.0 hereof</p> <p>10.6 Injury to Persons or loss of or damage to Properties</p> <p>(a) The contractor shall be liable for and hereby indemnifies the employer against any liability, loss, claim or proceeding whether arising in common law or by statute, consequent upon personal injuries to or the death of any person whomsoever arising out of or in the course of or caused by the execution of the works unless due to any act or negligence of any person for whose actions the employer is legally liable</p> | | | |
| | Carried to Collection | | R | |
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| <p>(b) The contractor shall be liable for and hereby indemnifies the employer against any liability, loss, claim or proceeding consequent upon loss of or damage to any moveable or immovable or personal property or property contiguous to the site, whether belonging to or under the control of the employer or any other body or person, arising out of or in the course of or by reason of the execution of the works unless due to any act or negligence of any person for whose actions the employer is legally liable</p> <p>(c) The contractor shall, upon receiving a contract instruction from the principal agent, cause the same to be made good in a perfect and workmanlike manner at his own cost and in default thereof the employer shall be entitled to cause it to be made good and to recover the cost thereof from the contractor or to deduct the same from amounts due to the contractor</p> <p>(d) The contractor shall be responsible for the protection and safety of such portions of the premises placed under his control by the employer for the purpose of executing the works until the issue of the certificate of practical completion</p> <p>(e) Where the execution of the works involves the risk of removal of or interference with support to adjoining properties including land or structures or any structures to be altered or added to, the contractor shall obtain adequate insurance and will remain adequately insured or insured to the specific limit stated in the contract against the death of or injury to persons or damage to such property consequent on such removal or interference with the support until such portion of the works has been completed</p> <p>(f) The contractor shall at all times proceed immediately at his own cost to remove or dispose of any debris and to rebuild, restore, replace and/or repair such property and to execute the works</p> | | | |
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| | <p>10.7 High risk insurance</p> <p>In the event of the project being executed in a geological area classified as a "High Risk Area", that is an area which is subject to highly unstable subsurface conditions that might result in catastrophic ground movement evident by sinkhole or doline formation the following will apply:</p> <p>10.7.1 Damage to the works</p> <p>The contractor shall, from the commencement date of the works until the date of the certificate of practical completion bear the full risk of and hereby indemnifies and holds harmless the employer against any damage to and/or destruction of the works consequent upon a catastrophic ground movement as mentioned above. The contractor shall take such precautions and security measures and other steps for the protection of the works as he may deem necessary</p> <p>When so instructed to do so by the principal agent, the contractor shall proceed immediately to remove and/or dispose of any debris arising from damage to or destruction of the works and to rebuild, restore, replace and/or repair the works, at the contractor's own costs</p> <p>10.7.2 Injury to persons or loss of or damage to property</p> <p>The contractor shall be liable for and hereby indemnifies and holds harmless the employer against any liability, loss, claim or proceeding arising at any time during the period of the contract whether arising in common law or by statute, consequent upon personal injuries to or the death of any person whomsoever resulting from, arising out of, or caused by a catastrophic ground movement as mentioned above</p> | | | |
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| 1 | <p>The contractor shall be liable for and hereby indemnifies the employer against any and all liability, loss, claim or proceeding consequent upon loss of or damage to any moveable or immovable or personal property or property contiguous to the site, whether belonging to or under the control of the employer or any other body or person whomsoever arising out of or caused by a catastrophic ground movement, as mentioned above, which occurred during the period of the contract</p> <p>10.7.3 It is the responsibility of the contractor to ensure that he has adequate insurance to cover his risk and liability as mentioned in 10.7.1 and 10.7.2. Without limiting the contractor's obligations in terms of the contract, the contractor shall, within twenty-one (21) calendar days of the commencement date but before commencement of the works, submit to the employer proof of such insurance policy, if requested to do so</p> <p>10.7.4 The employer shall be entitled to recover any and all losses and/or damages of whatever nature suffered or incurred consequent upon the contractor's default of his obligations as set out in 10.7.1; 10.7.2 and 10.7.3. Such losses or damages may be recovered from the contractor or by deducting the same from any amounts still due under this contract or under any other contract presently or hereafter existing between the employer and the contractor and for this purpose all these contracts shall be considered one indivisible whole</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p>A11.0 LIABILITY INSURANCES</p> <p>Clause 11.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p align="right">Carried to Collection</p> <p>Section No. 1 Bill No. 1 PRELIMINARIES AND GENERAL</p> <p>PROVISIONAL BILLS OF QUANTITIES</p> | Item | Item | <div></div> <div></div> |
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| 1 | <p>A12.0 EFFECTING INSURANCES</p> <p>Clause 12.0</p> <p>Fixed:_____ Value related:_____ Time related:_____</p> | Item | | | |
| 2 | A13.0 No clause | N/A | | | |
| 3 | <p>A14.0 SECURITY</p> <p>Clause 14.0</p> <p>Clauses 14.1 - 14.8 are amended by replacing them with the following:</p> <p>14.1 The security to be submitted by the contractor to the employer will be as a payment reduction of up to ten per cent (10%) of the value certified in the payment certificate (excluding VAT)</p> <p>14.1.1 The payment reduction of the value certified in a payment certificate shall be mutatis mutandi in terms of 31.8(A)</p> <p>14.1.2 The employer shall be entitled to recover expense and loss from the payment reduction in terms of 33.0 provided that the employer complies with the provisions of 33.4 in which event the employer's entitlement shall take precedence over his obligations to refund the payment reduction security or portions thereof to the contractor</p> <p>14.2 Where security as a payment reduction of ten per cent (10%) of the value certified in the payment certificate (excluding VAT) has been selected:</p> <p>14.2.1 The payment reduction of the value certified in a payment certificate shall be mutatis mutandi in terms of 31.8(B)</p> | | | | |
| | Carried to Collection | | | R | |
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| <p>1</p> | <p>14.2.2 The employer shall be entitled to recover expense and loss from the payment reduction in terms of 33.0 provided that the employer complies with the provisions of 33.4 in which event the employer's entitlement shall take precedence over his obligations to refund the payment reduction security or portions thereof to the contractor</p> <p>14.9 Should the contractor fail to furnish the security in terms of 14.2, the employer, in his sole discretion and without notification to the contractor, is entitled to change the contractor's selected form of security to that of a ten per cent (10%) payment reduction of the value certified in the payment certificate (excluding VAT), whereafter 14.7 shall be applicable</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p><u>EXECUTION</u></p> <p>A15.0 PREPARATION FOR AND EXECUTION OF THE WORKS</p> <p>Clause 15.0</p> <p>Clause 15.1.1 is amended by replacing it with:</p> <p>No clause</p> <p>Clause 15.1.2 is amended by replacing it with:</p> <p>The security selected in terms of 14.0</p> <p>Clause 15.1 is amended by the addition of the following clause:</p> <p>15.1.4 An acceptable health and safety plan, required in terms of the Occupational Health and Safety Act, 1993 (Act 85 of 1993), within fourteen (14) calendar days of commencement date</p> <p>Clause 15.2.1 is amended by replacing it with the following clause:</p> <p align="right">Carried to Collection</p> <p>Section No. 1 Bill No. 1 PRELIMINARIES AND GENERAL</p> <p>PROVISIONAL BILLS OF QUANTITIES</p> | <p>Item</p> | | |
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| | <p>Give the contractor possession of the site within ten (10) working days of the contractor complying with the terms of 15.1.4</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | | | | |
| 1 | <p>A16.0 ACCESS TO THE WORKS</p> <p>Clause 16.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item | | | |
| 2 | <p>A17.0 CONTRACT INSTRUCTIONS</p> <p>Clause 17.0</p> <p>Clause 17.1.11 is amended by deleting the words "and the appointment of nominated and selected subcontractors"</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item | | | |
| 3 | <p>A18.0 SETTING OUT OF THE WORKS</p> <p>Clause 18.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item | | | |
| 4 | <p>A19.0 ASSIGNMENT</p> <p>Clause 19.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item | | | |
| <p align="right">Carried to Collection</p> | | | | | R |
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| 1 | <p>A20.0 NOMINATED SUBCONTRACTORS</p> <p>Clause 20.0</p> <p>Clause 20.1.3 is amended by replacing it with the following:</p> <p>No clause</p> <p>Note: See item B9.1 hereinafter for adjustment of attendance on nominated subcontractors executing work allowed for under provisional sums</p> <p>Fixed:_____ Value related:_____ Time related:_____</p> | Item | | |
| 2 | <p>A21.0 SELECTED SUBCONTRACTORS</p> <p>Clause 21.0</p> <p>Clause 21 is amended by replacing it with:</p> <p>No clause</p> <p>Fixed:_____ Value related:_____ Time related:_____</p> | Item | | |
| 3 | <p>A22.0 EMPLOYER'S DIRECT CONTRACTORS</p> <p>Clause 22.0</p> <p>Fixed:_____ Value related:_____ Time related:_____</p> | Item | | |
| 4 | <p>A23.0 CONTRACTOR'S DOMESTIC SUBCONTRACTORS</p> <p>Clause 23.0</p> <p>Fixed:_____ Value related:_____ Time related:_____</p> | Item | | |
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| <u>COMPLETION</u> | | | | | |
| 1 | <p>A24.0 PRACTICAL COMPLETION</p> <p>Clause 24.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item | | | |
| 2 | <p>A25.0 WORKS COMPLETION</p> <p>Clause 25.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item | | | |
| 3 | <p>A26.0 FINAL COMPLETION</p> <p>Clause 26.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item | | | |
| 4 | <p>A27.0 LATENT DEFECTS LIABILITY PERIOD</p> <p>Clause 27.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item | | | |
| 5 | <p>A28.0 SECTIONAL COMPLETION</p> <p>Clause 28.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item | | | |
| <p align="right">Carried to Collection</p> | | | | R | |
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| 1 | <p>A29.0 REVISION OF DATE FOR PRACTICAL COMPLETION</p> <p>Clause 29.0</p> <p>Clause 29.2.5 is amended by replacing it with:</p> <p>No clause</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item | | | |
| 2 | <p>A30.0 PENALTY FOR NON-COMPLETION</p> <p>Clause 30.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p><u>PAYMENT</u></p> | Item | | | |
| 3 | <p>A31.0 INTERIM PAYMENT TO THE CONTRACTOR</p> <p>Clause 31.0</p> <p>Clause 31.5.2 is amended by replacing "14.7.1" with "14.0 and 31.8"</p> <p>Clause 31.8 is amended by replacing it with the following two alternative clauses:</p> <p>Alternative A</p> <p>31.8(A) Where a security is selected in terms of 14.1; the value of the works in terms of 31.4.1 and materials and goods in terms of 31.4.2 shall be certified in full. The value certified shall be subject to the following percentage adjustments:</p> <p>31.8(A).1 Ninety-five percent (95%) of such value in interim payment certificates issued up to the date of practical completion</p> | | | | |
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| <p>31.8(A).2 Ninety-seven and half percent (97.5%) of such value in interim payment certificates issued on the date of practical completion and up to but excluding the date of final completion</p> <p>31.8(A).3 Ninety-nine percent (99%) of such value in interim payment certificates issued on the date of final completion and up to but excluding the final payment certificate in terms of 34.6</p> <p>31.8(A).4 One hundred percent (100%) of such value in the final payment certificate in terms of 34.6 except where the amount certified is in favour of the employer. In such an event the payment reduction shall remain at the adjustment level applicable to the final payment certificate</p> <p>Clause 31.12 is amended by deleting the following:</p> <p>Payment shall be subject to the employer giving the contractor a tax invoice for the amount due</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item | R |
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| 1 | <p>A32.0 ADJUSTMENT TO THE CONTRACT VALUE</p> <p>Clause 32.0</p> <p>Clauses 32.5.1, 32.5.4 and 32.5.7 are amended by the addition of the following at the end of the sentence:</p> <p>"due to no fault of the contractor"</p> <p>Add the following clauses: 33.2.9 to 33.2.13:</p> <p>33.2.9 the contractor's failure or neglect to commence with the works on the dates prescribed in the contract</p> <p>33.2.10 the contractor's failure or neglect to proceed with the works in terms of the contract</p> <p>33.2.11 the contractor's failure or neglect for any reason to complete the works in accordance with the contract</p> <p>33.2.12 the contractor's refusal or neglect to comply strictly with any of the conditions of contract or any contract instructions and/or orders in writing given in terms of the contract</p> <p>33.2.13 the contractor's estate being sequestrated; liquidated or surrendered in terms of the insolvency laws in force within the Republic of South Africa.</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | | | | |
| 2 | <p>A33.0 RECOVERY OF EXPENSE AND LOSS</p> <p>Clause 33.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item | | | |
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| | Carried to Collection | | | R | |
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| 1 | <p>A34.0 FINAL ACCOUNT AND FINAL PAYMENT</p> <p>Clause 34.0</p> <p>Clause 34.1 is amended by removing "#" next to 34.1</p> <p>Clause 34.2 is amended by inserting "#" next to 34.2</p> <p>Clause 34.13 is amended by replacing "seven (7) calendar days" with "twenty-one (21) calendar days" and deleting the words "subject to the employer giving the contractor a tax invoice for the amount due"</p> <p>Fixed:_____ Value related:_____ Time related:_____</p> | Item | | |
| 2 | <p>A35.0 PAYMENT TO OTHER PARTIES</p> <p>Clause 35.0</p> <p>Fixed:_____ Value related:_____ Time related:_____</p> | Item | | |
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| 1 | <p><u>CANCELLATION</u></p> <p>A36.0 CANCELLATION BY EMPLOYER - CONTRACTOR'S DEFAULT</p> <p>Clause 36.0</p> <p>Clause 36.1 is amended by the addition of the following clauses:</p> <p>36.1.3 refuses or neglects to comply strictly with any of the conditions of contract</p> <p>36.1.4 estate being sequestrated, liquidated or surrendered in terms of the insolvency laws in force within the Republic of South Africa</p> <p>36.1.5 in the judgement of the employer, has engaged in corrupt or fraudulent practices in competing for or in executing the contract</p> <p>Clause 36.3 is amended by removing the reference to "No clause" and replacing the words "principal agent" with "employer"</p> <p>Clause 36.0 is amended by the addition of the following clause:</p> <p>36.3 Remove reference to "No clause", and replace "principal agent" with "employer"</p> <p>36.7 Notwithstanding any clause to the contrary, on cancellation of this agreement either by the employer or the contractor; or for any reason whatsoever, the contractor shall on written instruction, discontinue with the works on a date stated and withdraw himself from the site. The contractor shall not be entitled to refuse to withdraw from the works on the grounds of any lien or right of retention or on the grounds of any other right whatsoever</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p style="text-align: right;">Carried to Collection</p> <p>Section No. 1 Bill No. 1 PRELIMINARIES AND GENERAL</p> <p>PROVISIONAL BILLS OF QUANTITIES</p> | Item | | |
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|---|---|------|---|--|
| 1 | <p>A37.0 CANCELLATION BY EMPLOYER - LOSS AND DAMAGE</p> <p>Clause 37.0</p> <p>Clause 37.3.5 is amended by replacing "ninety (90)" with "one hundred and twenty (120)"</p> <p>Clause 37.0 is amended by the addition of the following clause:</p> <p>37.3.5 Replace "ninety (90)" with "one hundred and twenty (120)" and 38.5.4</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item | | |
| 2 | <p>A38.0 CANCELLATION BY CONTRACTOR - EMPLOYER'S DEFAULT</p> <p>Clause 38.0</p> <p>Clause 38.5.4 is amended by replacing "ninety (90)" with "one hundred and twenty (120)"</p> <p>Clause 38.0 is amended by the addition of the following clause:</p> <p>38.7 Notwithstanding any clause to the contrary, on cancellation of this agreement either by the employer or the contractor; or for any reason whatsoever, the contractor shall on written instruction, discontinue with the works on a date stated and withdraw himself from the site. The contractor shall not be entitled to refuse to withdraw from the works on the grounds of any lien or right of retention or on the grounds of any other right whatsoever</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item | | |
| | <p align="right">Carried to Collection</p> <p>Section No. 1 Bill No. 1 PRELIMINARIES AND GENERAL</p> <p>PROVISIONAL BILLS OF QUANTITIES</p> | | R | |

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|---|---|------|--|---|--|
| 1 | <p>A39.0 CANCELLATION - CESSATION OF THE WORKS</p> <p>Clause 39.0</p> <p>Clause 39.3.5 is amended by the addition of the following at the end of the sentence:</p> <p>"within one hundred and twenty (120) working days of completion of such a report"</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p><u>DISPUTE</u></p> | Item | | | |
| 2 | <p>A40.0 DISPUTE SETTLEMENT</p> <p>Clause 40.0</p> <p>Clause 40.2.2 is amended by replacing "one (1) year" with "three (3) years"</p> <p>Clause 40.6 is amended by removing the reference to:</p> <p>No clause</p> <p>Clause 40.7.1 is amended by replacing "(10)" with "(15)" and by the addition of the following:</p> <p>Whether or not mediation resolves the dispute, the parties shall bear their own costs concerning the mediation and equally share the costs of the mediator and related costs</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item | | | |
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| 1 | <p><u>SUBSTITUTE PROVISIONS</u></p> <p>A41.0 STATE CLAUSES</p> <p>Clause 41.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p><u>CONTRACT VARIABLES</u></p> <p>A42.0 THE SCHEDULE (C1.2)</p> <p>Clause 42.0</p> <p>Tenderers are referred to the C1.2 CONDITIONS OF CONTRACT AND CONTRACT VARIABLES for variables pertaining to this contract</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item | | |
| 2 | <p>A42.0 THE SCHEDULE (C1.2)</p> <p>Clause 42.0</p> <p>Tenderers are referred to the C1.2 CONDITIONS OF CONTRACT AND CONTRACT VARIABLES for variables pertaining to this contract</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item | | |
| | <p align="right">Carried to Collection</p> <p>Section No. 1 Bill No. 1 PRELIMINARIES AND GENERAL</p> <p>PROVISIONAL BILLS OF QUANTITIES</p> | | R | |

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| <u>SECTION B: JBCC PRELIMINARIES</u> | | | | | |
| <u>B1.0 DEFINITIONS AND INTERPRETATION</u> | | | | | |
| 1 | B1.1 | Definitions and interpretation | | | |
| See also clause A1.0 of Section A for additional and/or amended definitions which shall apply equally to this Section | | | | | |
| Fixed: _____ Value related: _____ Time related: _____ | | | Item | | |
| <u>B2.0 DOCUMENTS</u> | | | | | |
| 2 | B2.1 | Checking of documents | | | |
| Fixed: _____ Value related: _____ Time related: _____ | | | Item | | |
| 3 | B2.2 | Provisional bills of quantities | | | |
| Fixed: _____ Value related: _____ Time related: _____ | | | Item | | |
| 4 | B2.3 | Availability of construction documentation | | | |
| Fixed: _____ Value related: _____ Time related: _____ | | | Item | | |
| 5 | B2.4 | Interests of agents | | | |
| Fixed: _____ Value related: _____ Time related: _____ | | | Item | | |
| 6 | B2.5 | Priced documents | | | |
| Fixed: _____ Value related: _____ Time related: _____ | | | Item | | |
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| 1 | <p>B2.6 Tender submission</p> <p>Clause 2.6 is amended by replacing "JBCC Form of Tender" with "Form of Offer and Acceptance DPW-07(EC)"</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p><u>B3.0 THE SITE</u></p> | Item | | | |
| 2 | <p>B3.1 Defined works area</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item | | | |
| 3 | <p>B3.2 Geotechnical investigation</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item | | | |
| 4 | <p>B3.3 Inspection of the site</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item | | | |
| 5 | <p>B3.4 Existing premises occupied</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item | | | |
| 6 | <p>B3.5 Previous work - dimensional accuracy</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item | | | |
| 7 | <p>B3.6 Previous work - defects</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item | | | |
| <p align="right">Carried to Collection</p> | | | | | R |
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| 1 | B3.7 Services - known Fixed: _____ Value related: _____ Time related: _____ | Item | | |
| 2 | B3.8 Services - unknown Fixed: _____ Value related: _____ Time related: _____ | Item | | |
| 3 | B3.9 Protection of trees Fixed: _____ Value related: _____ Time related: _____ | Item | | |
| 4 | B3.10 Articles of value Fixed: _____ Value related: _____ Time related: _____ | Item | | |
| 5 | B3.11 Inspection of adjoining properties Fixed: _____ Value related: _____ Time related: _____ | Item | | |
| <u>B4.0 MANAGEMENT OF CONTRACT</u> | | | | |
| 6 | B4.1 Management of the works Fixed: _____ Value related: _____ Time related: R _____ | Item | | |
| 7 | B4.2 Programme for the works Fixed: _____ Value related: _____ Time related: _____ | Item | | |
| 8 | B4.3 Progress meetings Fixed: _____ Value related: _____ Time related: _____ | Item | | |
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| 1 | <p>B4.4 Technical meetings</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item | | |
| 2 | <p>B4.5 Labour and plant records</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p><u>B5.0 SAMPLES, SHOP DRAWINGS AND MANUFACTURERS' INSTRUCTIONS</u></p> | Item | | |
| 3 | <p>B5.1 Samples of materials</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item | | |
| 4 | <p>B5.2 Workmanship samples</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item | | |
| 5 | <p>B5.3 Shop drawings</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item | | |
| 6 | <p>B5.4 Compliance with manufacturers' instructions</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p><u>B6.0 TEMPORARY WORKS AND PLANT</u></p> | Item | | |
| 7 | <p>B6.1 Deposits and fees</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item | | |
| 8 | <p>B6.2 Enclosure of the works</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item | | |
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| 1 | B6.3 Advertising Fixed: _____ Value related: _____ Time related: _____ | Item | | |
| 2 | B6.4 Plant, equipment, sheds and offices Fixed: _____ Value related: _____ Time related: _____ | Item | | |
| 3 | B6.5 Main notice board Fixed: _____ Value related: _____ Time related: _____ | Item | | |
| 4 | B6.6 Subcontractors' notice board Fixed: _____ Value related: _____ Time related: _____ | Item | | |
| | <u>B7.0 TEMPORARY SERVICES</u> | | | |
| 5 | B7.1 Location Fixed: _____ Value related: _____ Time related: _____ | Item | | |
| 6 | B7.2 Water Fixed: _____ Value related: _____ Time related: _____ | Item | | |
| 7 | B7.3 Electricity Fixed: _____ Value related: _____ Time related: _____ | Item | | |
| 8 | B7.4 Telecommunication facilities Fixed: _____ Value related: _____ Time related: _____ | Item | | |
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| 1 | <p>B7.5 Ablution facilities</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p><u>B8.0 PRIME COST AMOUNTS</u></p> | Item | | | |
| 2 | <p>B8.1 Responsibility for prime cost amounts</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p><u>B9.0 ATTENDANCE ON N/S SUBCONTRACTORS</u></p> | Item | | | |
| 3 | <p>B9.1 General attendance</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item | | | |
| 4 | <p>B9.2 Special attendance</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item | | | |
| 5 | <p>B9.3 Commissioning - fuel, water and electricity</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p><u>B10.0 FINANCIAL ASPECTS</u></p> | Item | | | |
| 6 | <p>B10.1 Statutory taxes, duties and levies</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item | | | |
| 7 | <p>B10.2 Payment for preliminaries</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item | | | |
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| 1 | <p>B10.3 Adjustment of preliminaries</p> <p>Clauses B10.3.1 and B10.3.2 are amended by replacing "within fifteen (15) working days of taking possession of the site" with "when submitting his priced bills of quantities / lump sum document"</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item | | | |
| 2 | <p>B10.4 Payment certificate cash flow</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p><u>B11.0 GENERAL</u></p> | Item | | | |
| 3 | <p>B11.1 Protection of the works</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item | | | |
| 4 | <p>B11.2 Protection / isolation of existing / sectionally occupied works</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item | | | |
| 5 | <p>B11.3 Security of the works</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item | | | |
| 6 | <p>B11.4 Notice before covering work</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item | | | |
| 7 | <p>B11.5 Disturbance</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item | | | |
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| 1 | B11.6 Environmental disturbance Fixed:_____ Value related:_____ Time related:_____ | Item | | |
| 2 | B11.7 Works cleaning and clearing Fixed:_____ Value related:_____ Time related:_____ | Item | | |
| 3 | B11.8 Vermin Fixed:_____ Value related:_____ Time related:_____ | Item | | |
| 4 | B11.9 Overhand work Fixed:_____ Value related:_____ Time related:_____ | Item | | |
| 5 | B11.10 Instruction manuals and guarantees Fixed:_____ Value related:_____ Time related:_____ | Item | | |
| 6 | B11.11 As built information Fixed:_____ Value related:_____ Time related:_____ | Item | | |
| 7 | B11.12 Tenant installations Fixed:_____ Value related:_____ Time related:_____ | Item | | |
| <u>B12.0 SCHEDULE OF VARIABLES</u> | | | | |
| 8 | B12.1 Schedule of variables Fixed:_____ Value related:_____ Time related:_____ | Item | | |
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**NKANGELEKHO INTERMEDITE SCHOOL
THE MVULA TRUST FLUSH MAINTENANCE PROGRAMME**

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| <p>This schedule contains all variables referred to in this document and is divided into pre-tender and post-tender categories. The pre-tender category must be completed in full and included in the tender documents. Both the pre-tender and post-tender categories form part of these Preliminaries</p> <p>Spaces requiring information must be filled in, shown as "not applicable" or deleted and not left blank. Where choices are offered, the non-applicable items are to be deleted. Where insufficient space is provided the information should be annexed hereto and cross-referenced to the applicable clause of the schedule. Key cross reference clauses are italicised in [] brackets</p> <p>12.1 PRE-TENDER INFORMATION</p> <p>12.1.1 Provisional bills of quantities [2.2] The quantities are provisional</p> <p>YES</p> <p>12.1.2 Availability of construction documentation [2.3] Construction documentation is complete</p> <p>YES</p> <p>12.1.3 Interests of agents [2.4] Details:</p> <p>12.1.4 Defined works area [3.1] Details:</p> <p>12.1.5 Geotechnical investigation [3.2] Details:</p> <p>12.1.6 Existing premises occupied [3.4] Specific requirements:</p> <p>Carried to Collection</p> <p>Section No. 1 Bill No. 1 PRELIMINARIES AND GENERAL</p> <p>PROVISIONAL BILLS OF QUANTITIES</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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**NKANGELEKHO INTERMEDIATE SCHOOL
THE MVULA TRUST FLUSH MAINTENANCE PROGRAMME**

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|---|--|-------------------------|--|
| <p>12.1.7 Previous work - dimensional accuracy [3.5] Details:</p> <p>12.1.8 Previous work - defects [3.6] Details:</p> <p>12.1.9 Services - known [3.7] Details:</p> <p>12.1.10 Protection of trees [3.9] Specific requirements:</p> <p>12.1.11 Inspection of adjoining properties [3.11] Specific requirements:</p> <p>12.1.12 Enclosure of the works [6.2] Specific requirements:</p> <p>12.1.13 Offices [6.4.3] Specific requirements: The contractor shall provide, maintain and remove on completion of the works an office for the exclusive use of the principal agent, minimum size 4 x 3 x 3m high internally, suitably insulated and ventilated, provided with electric lighting and fitted with boarded floor, desk, chair, drawing stool, drawing board and lock-up drawers for drawings. The office shall be kept clean and fit for use at all times</p> | | | |
| <p align="right">Carried to Collection</p> <p>Section No. 1 Bill No. 1 PRELIMINARIES AND GENERAL</p> <p>PROVISIONAL BILLS OF QUANTITIES</p> | | <p align="center">R</p> | |

**NKANGELEKHO INTERMEDIATE SCHOOL
THE MVULA TRUST FLUSH MAINTENANCE PROGRAMME**

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| <p>12.1.14 Main notice board [6.5] Specific requirements: The contractor shall provide, erect where directed, maintain and remove on completion of the works a notice board size 3 x 3m as type Drawing GEN 063, constructed of suitable boarding with flat smooth surface and with edging bead 19mm thick round outer edges and projecting 12mm from face of boarding and rounded on front edge. The board shall be securely fixed to hoarding, where hoarding is provided, or fixed to and including a suitable supporting structure of timber or tubular posts and braces. The board is to be painted ivory white and the bead and 12mm wide dividing lines dark green. All wording shall be inscribed in dark green as per the coat of arms for SA. All wording shall be inscribed in dark green painted sans serif lettering</p> <p>12.1.15 Subcontractors' notice board [6.6] A notice board is required</p> <p align="right">NO</p> <p>Specific requirements:</p> <p>12.1.16 Water [7.2] Option A (by contractor)</p> <p align="right">NO</p> <p>Option B (by employer - free of charge)</p> <p align="right">NO</p> <p>Option C (by employer - metered)</p> <p align="right">YES</p> | | | |
| <p align="right">Carried to Collection</p> <p>Section No. 1 Bill No. 1 PRELIMINARIES AND GENERAL</p> <p>PROVISIONAL BILLS OF QUANTITIES</p> | | R | |

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| | 12.1.17 Electricity | | | | |
| | [7.3] Option A (by contractor) | | | | |
| | | NO | | | |
| | Option B (by employer - free of charge) | | | | |
| | | NO | | | |
| | Option C (by employer - metered) | | | | |
| | | YES | | | |
| | 12.1.18 Telecommunications | | | | |
| | [7.4] Telephone | | | | |
| | YES | | | | |
| | Facsimile | | | | |
| | | YES | | | |
| | E-mail | | | | |
| | | YES | | | |
| | 12.1.19 Ablution facilities | | | | |
| | [7.5] Option A (by contractor) | | | | |
| | | YES | | | |
| | Option B (by employer) | | | | |
| | | NO | | | |
| | 12.1.20 Protection of existing/sectionally occupied works | | | | |
| | [11.2] Protection is required | | | | |
| | | NO | | | |
| Carried to Collection | | | | | R |
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| <p>12.1.21 Special attendance [9.2] Subcontractor (1) details:</p> <p>Subcontractor (2) details:</p> <p>Subcontractor (3) details:</p> <p>Subcontractor (4) details:</p> <p>12.1.22 Protection of the works [11.1] Specific requirements:</p> <p>12.1.23 Disturbance [11.5] Specific requirements: The contractor shall keep the site, structures, etc well watered during operations to prevent dust and shall provide and erect and remove on completion of the works all necessary temporary dust screens all to the satisfaction of the principal agent</p> <p>12.1.24 Environmental disturbance [11.6] Specific requirements:</p> <p>12.2 POST-TENDER INFORMATION</p> <p>12.2.1 Payment of preliminaries [10.2] Option A (prorated)</p> <p>NO</p> <p>Option B (calculated)</p> <p>YES</p> <p>Carried to Collection</p> <p>Section No. 1 Bill No. 1 PRELIMINARIES AND GENERAL</p> <p>PROVISIONAL BILLS OF QUANTITIES</p> | | | |
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| 12.2.2 Adjustment of preliminaries [10.3] Option A (three categories) | NO | | | | |
| Option B (detailed breakdown) | YES | | | | |
| 12.2.3 Additional agreed preliminaries items Details: | | | | | |
| Carried to Collection | | | | R | |
| Section No. 1 Bill No. 1 PRELIMINARIES AND GENERAL | | | | | |
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| | <p><u>SECTION C: SPECIFIC PRELIMINARIES</u></p> <p>Section C contains specific preliminary items which apply to this contract except where N/A (Not Applicable) appears against an item</p> <p>1 C1.0 CONTRACT DRAWINGS</p> <p>The drawings issued with the tender documents do not comprise the complete set but serve as a guide only for tendering purposes and for indicating the scope of the work to enable the tenderer to acquaint himself with the nature and extent of the works and the manner in which they are to be executed</p> <p>Should any part of the drawings not be clearly understood by the tenderer he shall, before submitting his tender, obtain clarification in writing from the principal agent</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p>2 C2.0 GENERAL PREAMBLES</p> <p>The document "Specification of Materials and Methods to be used - PW371 - A Edition 2.1 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (Edition 2.1 July 2014)." is obtainable on the Department's website (http://www.publicworks.gov.za/ under "Consultants Guidelines"), and shall be read in conjunction with the bills of quantities / lump sum document and be referred to for the full descriptions of work to be done and materials to be used</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p align="right">Carried to Collection</p> <p>Section No. 1 Bill No. 1 PRELIMINARIES AND GENERAL</p> <p>PROVISIONAL BILLS OF QUANTITIES</p> | | | |
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| 1 | <p>C3.0 TRADE NAMES</p> <p>Wherever a trade name for any product has been described in the bills of quantities / lump sum document, the tenderer's attention is drawn to the fact that any other product of equal quality may be used subject to the written approval of the principal agent being obtained prior to the closing date for submission of tenders</p> <p>If prior written approval for an alternative product is not obtained, the product described shall be deemed to have been tendered for</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item | | | |
| 2 | <p>C4.0 HIV/AIDS AWARENESS</p> <p>It is required of the contractor to thoroughly study the HIV/AIDS Specification (PW 1544) of the Department that must be read together with and is deemed to be incorporated under this Section of the bills of quantities / lump sum document. Provision for pricing of HIV/AIDS awareness is made under items C10.1 to C10.5 hereafter and it is explicitly pointed out that all requirements of the aforementioned specification are deemed to be priced hereunder, as the said items represent the only method of measurement and no additional items or extras to the contract in this regard shall be entertained</p> <p>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</p> | | | | |
| | Carried to Collection | | R | | |
| | <p>Section No. 1 Bill No. 1 PRELIMINARIES AND GENERAL</p> <p>PROVISIONAL BILLS OF QUANTITIES</p> | | | | |

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| <p>C4.1 AWARENESS CHAMPION Selection, appointment, briefing and making available of an Awareness Champion including provision of all relevant services, all in accordance with the HIV/AIDS Specification Fixed:_____ Value related:_____ Time related:_____</p> | Item | | |
| <p>C4.2 AWARENESS WORKSHOPS Selection and appointment of a competent Service Provider approved by the principal agent, provision of a Service Provider Workshop Plan and a suitable venue, conducting of awareness workshops by means of traditional and/or modern multi-media techniques, including follow-up courses, making available all tuition material and performing assessment procedures, all in accordance with the HIV/AIDS Specification Fixed:_____ Value related:_____ Time related:_____</p> | Item | | |
| <p>C4.3 POSTERS, BOOKLETS, VIDEOS, ETC. Provision, displaying, maintaining and replacing when necessary of four plastic laminated posters, booklets and educational videos, etc. for the duration of the construction period, all in accordance with the HIV/AIDS Specification Fixed:_____ Value related:_____ Time related:_____</p> | Item | | |
| <p>C4.4 ACCESS TO CONDOMS Provision and maintenance of condom dispensers fixed in position, including male and female condoms, replenishing male and female condoms on a daily basis as required for the duration of the construction period, all in accordance with the HIV/AIDS Specification Fixed:_____ Value related:_____ Time related:_____</p> | Item | | |
| <p align="right">Carried to Collection</p> | | R | |
| <p>Section No. 1 Bill No. 1 PRELIMINARIES AND GENERAL PROVISIONAL BILLS OF QUANTITIES</p> | | | |

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| <p>C4.5 MONITORING Monitoring HIV/AIDS awareness of workers, providing the principal agent with access to information including making available all reports, thoroughly completed and reflecting the correct information, for the duration of the construction period and close out, all in accordance with the HIV/AIDS Specification</p> | Item | R | <p>Fixed: _____ Value related: _____ Time related: _____</p> |
| <p>Carried to Collection</p> | | | <p>Section No. 1 Bill No. 1 PRELIMINARIES AND GENERAL PROVISIONAL BILLS OF QUANTITIES</p> |

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| <p>Section No. 1</p> <p>Bill No. 1</p> <p>PRELIMINARIES AND GENERAL</p> <p><u>COLLECTION</u></p> | | | |
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| <p align="right">Brought Forward</p> | <p align="center">Page No</p> | <p align="center">R</p> | <p align="center">Amount</p> |
| <p>Total Brought Forward from Page No.</p> | <p align="center">36</p> | | |
| | <p align="center">37</p> | | |
| | <p align="center">38</p> | | |
| | <p align="center">39</p> | | |
| | <p align="center">40</p> | | |
| | <p align="center">41</p> | | |
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| <p align="right">Carried Forward to Summary of Section No. 1</p> | | <p align="center">R</p> | |
| <p>Section No. 1</p> <p>Bill No. 1</p> <p>PRELIMINARIES AND GENERAL</p> <p>PROVISIONAL BILLS OF QUANTITIES</p> | | | |

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|---------|---|----------|------|--------|
| | <p><u>BILL No. 2</u></p> <p><u>HEALTH AND SAFETY REQUIREMENTS</u></p> <p><u>Note:</u></p> <p>For Preambles see "PW 371 - A Edition 2.1 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (Edition 2.1 July 2014).</p> <p>The contractor's prices for all items throughout these bills of quantities shall take account of and include where applicable for all of the obligations, requirements and specifications given in the General Preambles and in any supplementary preambles and/or specifications.</p> <p>Prior to pricing the principal contractor must familiarize him/herself with the Occupational Health and Safety Act No. 85 Of 1993, Construction Regulations 2014, other relevant Regulations and Standards as well as project specific Health & Safety specifications.</p> <p>The items in this Bill do not contain quantities hence the Contractor must insert his own quantities based on his individual requirements to comply with the Health and Safety obligations and demands of the Occupational Health and Safety Act No. 85 of 1993, Construction Regulations 2014, other relevant Regulations and Standards as well as project specific Health & Safety Specifications.</p> <p><u>OCCUPATIONAL HEALTH AND SAFETY</u></p> <p><u>General:</u></p> <p>1 Preparation of Contractor's site specific Health and Safety Plan.</p> <p>2 Submission of the Health and Safety File.</p> <p align="right">Carried to Collection</p> <p>Section No. 1 Bill No. 2 HEALTH AND SAFETY</p> <p>PROVISIONAL BILLS OF QUANTITIES</p> | | | |
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| <p>Section No. 1</p> <p>Bill No. 2</p> <p>HEALTH AND SAFETY</p> <p><u>COLLECTION</u></p> | | | | |
| <p>Total Brought Forward from Page No.</p> | <p align="center">Page No</p> <p align="center">45</p> | | <p align="center">Amount</p> | |
| | <p align="center">46</p> | | | |
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| <p align="center">Carried Forward to Summary of Section No. 1</p> | | <p align="center">R</p> | | |
| <p>Section No. 1</p> <p>Bill No. 2</p> <p>HEALTH AND SAFETY</p> <p>PROVISIONAL BILLS OF QUANTITIES</p> | | | | |

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| Bill No | <u>SECTION SUMMARY - SECTION NO.1 - PRELIMINARIES AND GENERAL</u> | Page No | | Amount | |
|--------------------|--|--------------------|---|---------------|--|
| 1 | PRELIMINARIES AND GENERAL | 44 | | | |
| 2 | HEALTH AND SAFETY | 47 | | | |
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| | <p align="right">Carried to Final Summary</p> | | R | | |
| | Section No. 1 | | | | |
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| | <u>SECTION No. 2 - BUILDING WORKS</u> | | | |
| | <u>BILL No. 1</u> | | | |
| | <u>ALTERATIONS, DEMOLITIONS, ETC.</u> | | | |
| | <u>Note:</u> | | | |
| | For Preambles see "PW 371 - A Edition 2.1 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (Edition 2.1 July 2014). | | | |
| | <u>DEMOLITIONS</u> | | | |
| | <u>Specialist work on asbestos products</u> | | | |
| | The following items, to be taken down and carted away, are to be carried out by a Registered Asbestos Contractor and hazardous waste disposal expert, registered on the Department of Labour database. The Contractor is to allow for in his rates for all necessary health and safety clothing, equipment, etc. to carry out the works in compliance with all current legislation in this regard. | | | |
| 1 | Take off from roof timbers, "Span 3" corrugated asbestos roof sheeting including fascia and barge boards and accessories and set aside for carting away (elsewhere) (measured flat on plan). | m2 | 64 | |
| 2 | Allow for the removal from site and disposal of the above set aside asbestos containing materials at an approved asbestos dumping site, to be located by the Contractor, by an approved hazardous waste disposal expert all in accordance with the latest legislation. | | Item | |
| | <u>Ordinary demolitions</u> | | | |
| | Reference hereunder to cart away shall mean carting off site to a dumping site to be located by the Contractor. | | | |
| | Carried to Collection | | | R |
| | Section No. 2 Bill No. 1 ALTERATIONS | | | |
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| <u>CARPENTRY AND JOINERY</u> | | | | |
| <u>Skirtings</u> | | | | |
| 1 | Take off from wall and cart away timber skirting and quadrant. | m | 9 | |
| <u>Roof structures</u> | | | | |
| 2 | Demolish and cart away 76 x 228mm timber purlins. | m | 27 | |
| 3 | Demolish and cart away 38 x 114mm timber purlins. | m | 23 | |
| <u>Timber doors and frames</u> | | | | |
| 4 | Take out from one brick wall and cart away single timber door and frame size 900mm wide x 2100mm high including preparing reveals to receive new frame (elsewhere). | No | 2 | |
| <u>CEILINGS AND PARTITIONS</u> | | | | |
| <u>Internally</u> | | | | |
| 5 | Take down and cart away fibre cement ceilings approximately 2800mm from ground level including all cornices, bandering, supporting structures, etc. | m2 | 10 | |
| <u>METALWORK</u> | | | | |
| <u>Panels and gates</u> | | | | |
| 6 | Take out from brickwork and cart away mild steel security gate, size 1000 x 2100mm high, including plugging holes. | No | 7 | |
| <u>FLOOR COVERINGS</u> | | | | |
| <u>Vinyl Tiles</u> | | | | |
| 7 | Strip from concrete floors vinyl floor tiling and cart away including preparing screed for new floor covering (elsewhere). | m2 | 10 | |
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| <u>PLUMBING AND DRAINAGE</u> | | | | |
| <u>Piping, fittings, etc.</u> | | | | |
| 1 | Take off from walls, ceilings, etc. and cart away copper/polycrop water supply piping, fittings, valves, etc. of various diameters including temporary stopping of supply where necessary. | m | 187 | |
| 2 | Take off from walls, ceilings, etc. and cart away PVC waste water piping and fittings of various diameters. | m | 104 | |
| <u>Sanitaryware</u> | | | | |
| 3 | Demolish and cart away stainless steel stall urinal 5000mm long including mass concrete step, 175mm high, including stopping off water supply. | No | 2 | |
| <u>Sundries</u> | | | | |
| 4 | Take down and cart away toilet roll holders. | No | 32 | |
| <u>PLASTERING</u> | | | | |
| <u>Floors</u> | | | | |
| 5 | Hack up 25mm thick granolithic or floor screed and cart away including preparing surface bed to receive new screed (elsewhere). | m2 | 29 | |
| <u>Walls</u> | | | | |
| 6 | Hack off plaster from brick wall and cart away including preparing to receive new plaster (elsewhere). | m2 | 10 | |
| <u>GLAZING</u> | | | | |
| 7 | Take out 4mm thick glass from galvanised steel window including preparing frame to receive new glass (elsewhere). | m2 | 2 | |
| <u>REFURBISHMENT, PREPARATORY WORKS, ETC.</u> | | | | |
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| | <u>Sundry brickwork refurbishment</u> | | | | |
| 1 | Replace broken brick in existing face brick wall with matching brick bedded, jointed and pointed in cement mortar to match existing. | No | 257 | | |
| | <u>General repair work</u> | | | | |
| 2 | Hack plaster from brickwork for a width of 100mm either side of crack, nail galvanised stretch plate over crack with steel nails at 200mm centres to receive plaster (elsewhere). | m | 110 | | |
| | <u>METAL WORK</u> | | | | |
| | <u>Servicing of windows, doors, etc.</u> | | | | |
| 3 | Service window, size approximately 600 x 600mm high with top hung opening out light including ensuring smooth opening and closing and replacement of missing stays, catches, etc. as necessary to match existing. | No | 30 | | |
| 4 | Service window, size approximately 600 x 900mm high with one top hung opening out light and one fixed light including ensuring smooth opening and closing and replacement of missing stays, catches, etc. as necessary to match existing. | No | 9 | | |
| 5 | Service window, size approximately 1500 x 600mm high with two top hung opening out and one fixed light including ensuring smooth opening and closing and replacement of missing stays, catches, etc. as necessary to match existing. | No | 2 | | |
| | <u>Refurbishment by cleaning</u> | | | | |
| | <u>Walls, concrete columns, tiling, etc.</u> | | | | |
| 6 | High pressure clean external face brick facade to remove dirt, lichen, moss, etc. complete including recess pointing and jointing in cement mortar, where necessary, to match existing. | m2 | 572 | | |
| | Carried to Collection | | | R | |
| | Section No. 2 Bill No. 1 ALTERATIONS | | | | |
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| 1 | <p><u>Floors, etc.</u></p> <p>High pressure clean granolithic screed or concrete flooring.</p> <p>m2</p> <p>156</p> <p>Carried to Collection</p> <p>Section No. 2 Bill No. 1 ALTERATIONS</p> <p>PROVISIONAL BILLS OF QUANTITIES</p> | | | |
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| | <u>BILL No. 3</u> | | | |
| | <u>WATERPROOFING</u> | | | |
| | <u>Note:</u> | | | |
| | For Preambles see "PW 371 - A Edition 2.1 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (Edition 2.1 July 2014). | | | |
| | <u>LIQUID WATERPROOFING (Labour intensive)</u> | | | |
| | <u>Two coats "ABE Brickseal"</u> | | | |
| 1 | Vertically on bagged surface of brickwork. | m2 | 179 | |
| | <u>WATERSTOPS, SEALING STRIPS, JOINT SEALANTS, ETC.</u> | | | |
| | <u>Sundry elements</u> | | | |
| 2 | Seal and point around metal window frames with an approved external quality sealing compound applied with a pressure caulking gun. | m | 112 | |
| 3 | Seal with an approved anti-fungicidal white silicone sealant junction between sanitary fitting and worktop and/or wall tiling. | m | 125 | |
| | Carried Forward to Summary of Section No. 2 | | R | |
| | Section No. 2 | | | |
| | Bill No. 3 | | | |
| | WATERPROOFING | | | |
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| | <u>BILL No. 4</u> | | | |
| | <u>ROOF COVERINGS</u> | | | |
| | <u>Note:</u> | | | |
| | For Preambles see "PW 371 - A Edition 2.1 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (Edition 2.1 July 2014). | | | |
| | <u>PROFILED SHEETING OF METAL, FIBRE CEMENT, PLASTIC, ETC.</u> | | | |
| | <u>Metal roof sheeting</u> | | | |
| | <u>0,58mm Thick Z200 "IBR Profile" galvanised metal roof sheeting, in single sheet lengths, with factory applied colour finish to external face and standard backing coat to internal face :</u> | | | |
| 1 | Roof sheeting laid to a pitch not exceeding 25° and secured to timber purlins at approximately 1 200mm centres including turning up sheet at ridge and turning down sheet at eaves. | m2 | 389 | |
| | <u>Accessories</u> | | | |
| | <u>Accessories, etc. to match roof sheeting</u> | | | |
| 2 | Ridge capping 550mm girth. | m | 10 | |
| 3 | Headwall flashing 375mm girth. | m | 27 | |
| 4 | Counter flashing, 231mm girth, recess sealed into brickwork joint. | m | 27 | |
| 5 | Broad flute serrated closer including polyclosers. | m | 20 | |
| 6 | Junction of two hips with ridge. | No | 4 | |
| | Carried to Collection | | | |
| | Section No. 2 | | | |
| | Bill No. 4 | | | |
| | ROOF COVERINGS, ETC. | | | |
| | PROVISIONAL BILLS OF QUANTITIES | | | |

**NKANGELEKHO INTERMEDIATE SCHOOL
THE MVULA TRUST FLUSH MAINTENANCE PROGRAMME**

| | | | | |
|---|--|--|--|--|
| 1 | <p><u>Insulation</u></p> <p>"Sisalation 420" insulation laid taut over rafters at approximately 2400mm centres and fixed including galvanised steel straining wires where required.</p> <p>m2</p> <p>389</p> <p>Carried to Collection</p> <p>Section No. 2 Bill No. 4 ROOF COVERINGS, ETC.</p> <p>PROVISIONAL BILLS OF QUANTITIES</p> | | | |
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NKANGELEKHO INTERMEDIATE SCHOOL
THE MVULA TRUST FLUSH MAINTENANCE PROGRAMME

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|--|--|--|---|--|--|
| | <p><u>Cornices</u></p> <p><u>Paper covered gypsum cornice with skimmed joints plugged to walls including mitres, etc.:</u></p> <p>1 75mm Coved cornice. m 60</p> | | | | |
| | <p style="text-align: right;">Carried to Collection</p> | | R | | |
| | <p>Section No. 2 Bill No. 6 CEILINGS, PARTITIONS AND ACCESS FLOORING</p> <p>PROVISIONAL BILLS OF QUANTITIES</p> | | | | |

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NKANGELEKHO INTERMEDIATE SCHOOL
THE MVULA TRUST FLUSH MAINTENANCE PROGRAMME

| Item No | | Quantity | Rate | Amount |
|---------|--|----------|------|--------|
| | <u>BILL No. 6</u> | | | |
| | <u>IRONMONGERY</u> | | | |
| | <u>Note:</u> | | | |
| | For Preambles see "PW 371 - A Edition 2.1 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (Edition 2.1 July 2014). | | | |
| | <u>IRONMONGERY TO TIMBER</u> | | | |
| | <u>Hinges, bolts, etc.</u> | | | |
| 1 | 100 x 75mm Heavy duty brass butt hinges. | No | 81 | |
| | <u>Hooks</u> | | | |
| 2 | 150mm Brass cabin hook and eye screwed to and including 69 x 69 x 32mm chamfered hardwood block plugged to wall. | No | 43 | |
| | <u>Push plates, kicking plates, indicator plates, etc.</u> | | | |
| | <u>3mm Thick x 32mm high blue perspex signs with white painted numerals or letters, countersunk tap screwed to steel door frame</u> | | | |
| 3 | Sign with "MALE ABLUTIONS" enscribed. | No | 2 | |
| 4 | Sign with "FEMALE ABLUTIONS" enscribed. | No | 3 | |
| 5 | Sign with "GRADE R ABLUTIONS" enscribed. | No | 3 | |
| 6 | Sign with "DISABLE" enscribed. | No | 2 | |
| 7 | Sign with "STAFF" enscribed. | No | 4 | |
| | Carried to Collection | | R | |
| | Section No. 2 Bill No. 8 IRONMONGERY | | | |
| | PROVISIONAL BILLS OF QUANTITIES | | | |

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NKANGELEKHO INTERMEDIATE SCHOOL
THE MVULA TRUST FLUSH MAINTENANCE PROGRAMME

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| Section No. 2 | | | |
| Bill No. 8 | | | |
| IRONMONGERY | | | |
| <u>COLLECTION</u> | | | |
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NKANGELEKHO INTERMEDIATE SCHOOL
THE MVULA TRUST FLUSH MAINTENANCE PROGRAMME

| Item No | | Quantity | Rate | Amount |
|---------|---|----------|------|--------|
| | <u>BILL No. 7</u> <u>METALWORK</u> <u>Note:</u> For Preambles see "PW 371 - A Edition 2.1 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (Edition 2.1 July 2014). <u>STEEL</u> <u>Stairs, balustrading, cat ladders, grilles, gates, framework, etc.</u> <u>GATES</u> <u>Hot dipped galvanised mild steel</u> | | | |
| 1 | Single gate, size 900mm wide x 2050mm high, the leaf formed of 25 x 25 x 2mm wall thickness mild steel square tubing framing all round with mitred and welded angles, the gate filled in with 12 x 12mm mild steel bars welded, at each end, perimeter framing at not exceeding 100mm centres, the leaf fitted with lock housing (lock elsewhere measured) formed of 2.5mm thick mild steel flat plate, the leaf fitted with a set of hinges fixed to brickwall with and including masonry anchors.(G1) | No | 7 | |
| | <p style="text-align: right;">Carried Forward to Summary of Section No. 2</p> <p>Section No. 2 Bill No. 9 METALWORK</p> <p>PROVISIONAL BILLS OF QUANTITIES</p> | | R | |

**NKANGELEKHO INTERMEDIATE SCHOOL
THE MVULA TRUST FLUSH MAINTENANCE PROGRAMME**

| Item No | | Quantity | Rate | Amount |
|---------|--|----------|------|--------|
| | <u>BILL No. 8</u> | | | |
| | <u>PLASTERING</u> | | | |
| | <u>Note:</u> | | | |
| | For Preambles see "PW 371 - A Edition 2.1 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (Edition 2.1 July 2014). | | | |
| | <u>SCREEDS</u> | | | |
| | <u>GRANOLITHIC</u> | | | |
| | <u>1:3 Cement screeds and paving</u> | | | |
| 1 | 25mm Thick screed in patching to floors. m2 | 34 | | |
| | <u>Skirtings</u> | | | |
| 2 | 75mm High coved granolithic skirting in patches to receive finish (elsewhere measured). m | 281 | | |
| | <u>PLASTER</u> | | | |
| | <u>One coat internal 1:4 cement plaster on :</u> | | | |
| 3 | Brick wall in narrow widths not exceeding 300mm wide. m2 | 17 | | |
| 4 | Walls in patching. m2 | 18 | | |
| | Carried Forward to Summary of Section No. 2 | | R | |
| | Section No. 2 | | | |
| | Bill No. 10 | | | |
| | PLASTERING | | | |
| | PROVISIONAL BILLS OF QUANTITIES | | | |

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**NKANGELEKHO INTERMEDIATE SCHOOL
THE MVULA TRUST FLUSH MAINTENANCE PROGRAMME**

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|----|--|----|-----|---|--|
| | <u>Class 10 polycop pipes with straight compression fittings</u> | | | | |
| 1 | 15mm Pipe and fixing to walls, floors, in roofs, in concrete, etc. including any necessary proprietary holderbats, fixings, etc. | m | 60 | | |
| 2 | 22mm Ditto. | m | 86 | | |
| 3 | 15mm Pipe chased into brickwork. | m | 93 | | |
| 4 | 22mm Ditto. | m | 35 | | |
| | <u>Extra over copper pipes for brass compression fittings</u> | | | | |
| 5 | 15mm Fittings. | No | 240 | | |
| 6 | 22mm Fittings. | No | 146 | | |
| | <u>Connections</u> | | | | |
| | <u>Connection of new to existing pipes</u> | | | | |
| 7 | Connection of 32mm diameter HDPE to 22mm diameter polycop pipes including all necessary reducers, saddles, etc. | No | 3 | | |
| | <u>SOIL DRAINAGE</u> | | | | |
| | <u>uPVC Pipes with solvent welded straight joints :</u> | | | | |
| 8 | 50mm Pipes. | m | 93 | | |
| 9 | 110mm Pipes. | m | 60 | | |
| | <u>Extra over uPVC pipes for solvent welded fittings :</u> | | | | |
| 10 | 50mm Plain bend. | No | 65 | | |
| 11 | 110mm Plain bend. | No | 8 | | |
| 12 | 50mm Access bend. | No | 1 | | |
| | Carried to Collection | | | R | |
| | Section No. 2 Bill No. 11 PLUMBING AND DRAINAGE | | | | |
| | PROVISIONAL BILLS OF QUANTITIES | | | | |

**NKANGELEKHO INTERMEDIATE SCHOOL
THE MVULA TRUST FLUSH MAINTENANCE PROGRAMME**

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| <u>Gulleys, grease traps, etc.</u> | | | | | |
| 1 | 100mm Diameter uPVC gulley trap with universal gulley head set flush in with finished pavement level including encasing in 15MPa concrete 100mm thick all round. | No | 9 | | |
| 2 | 430 x 430 x 175mm Precast concrete gulley top, bedded over gulley in cement mortar. | No | 9 | | |
| <u>Testing :</u> | | | | | |
| 3 | Allow for testing the preceding sanitary plumbing installation in accordance with the National Building Regulations. | | Item | | |
| <u>SANITARY FITTINGS, TANKS, GEYSERS, ETC.</u> | | | | | |
| <u>Sanitary fittings, etc.</u> | | | | | |
| <u>White glazed vitreous china ware :</u> | | | | | |
| 4 | "Vaal 704001" or equally approved wall hung flat back urinal, size overall 610 x 3850mm, complete with chromium plated back inlet spreader and 38mm chromium plated domical grating hung on and including two proprietary hanger brackets . | No | 10 | | |
| <u>Sanitary fitting sundries</u> | | | | | |
| 5 | Satin chrome thief proof toilet roll holder, TR2, plugged to wall. | No | 42 | | |
| 6 | Heavy-duty double-flap hinged toilet seat and cover. | No | 40 | | |
| 7 | 150 x 150mm White glazed soap dish. | No | 45 | | |
| <u>Grade 304 stainless steel ware :</u> | | | | | |
| 8 | Grab rail 1200mm long with two flanges "SR 1" plugged to wall with and including stainless steel screws. | No | 3 | | |
| 9 | Dog leg grab rail with three flanges "DL3" plugged to wall with and including stainless steel screws. | No | 3 | | |
| Carried to Collection | | | | R | |
| Section No. 2 Bill No. 11 PLUMBING AND DRAINAGE | | | | | |
| PROVISIONAL BILLS OF QUANTITIES | | | | | |

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NKANGELEKHO INTERMEDIATE SCHOOL
THE MVULA TRUST FLUSH MAINTENANCE PROGRAMME

| Item No | | Quantity | Rate | Amount |
|---------|--|----------|------|--------|
| | <u>BILL No. 10</u> | | | |
| | <u>GLAZING</u> | | | |
| | <u>Note:</u> | | | |
| | For Preambles see "PW 371 - A Edition 2.1 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (Edition 2.1 July 2014). | | | |
| | <u>GLAZING</u> | | | |
| | <u>GLAZING TO STEEL WITH PUTTY</u> | | | |
| | <u>6,38mm Thick normal strength clear laminated safety glass:</u> | | | |
| 1 | In panes exceeding 0,1m2 and not exceeding 0,5m2 in area. | m2 | 16 | |
| | <u>4mm Thick common obscure frosted glass:</u> | | | |
| 2 | In panes exceeding 0,1m2 and not exceeding 0,5m2 in area. | m2 | 3 | |
| | <u>Sundries</u> | | | |
| 3 | Rake out putty from galvanised steel window frame and replace with new. | m | 118 | |
| | <u>Glass tops, shelves, doors, mirrors, etc.</u> | | | |
| 4 | 4mm Thick polished float glass mirror, size 450 x 600mm, four times plugged to wall with and including chromium plated dome headed screws. | No | 42 | |
| | Carried Forward to Summary of Section No. 2 | | R | |
| | Section No. 2 | | | |
| | Bill No. 12 | | | |
| | GLAZING | | | |
| | PROVISIONAL BILLS OF QUANTITIES | | | |

**NKANGELEKHO INTERMEDIATE SCHOOL
THE MVULA TRUST FLUSH MAINTENANCE PROGRAMME**

| Item No | | Quantity | Rate | Amount | |
|---------|--|----------|------|--------|--|
| | <u>BILL No. 11</u> | | | | |
| | <u>PAINTWORK</u> | | | | |
| | <u>Note:</u> | | | | |
| | For Preambles see "PW 371 - A Edition 2.1 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (Edition 2.1 July 2014). | | | | |
| | <u>REDECORATION OF EXISTING</u> | | | | |
| | <u>PREVIOUSLY PAINTED CONCRETE, PLASTER, ETC</u> | | | | |
| | <u>Scrape down loose or peeling paint, clean off surface contaminants with a sugar soap solution, allow to dry, stop all holes, minor cracks, etc. and apply one coat plaster primer and two coats interior washable acrylic washable emulsion sheen paint on:</u> | | | | |
| 1 | Internal plastered walls. | m2 | 895 | | |
| 2 | Internal smooth plastered walls in narrow widths not exceeding 300mm wide. | m2 | 49 | | |
| | <u>Prepare and apply two coats granolithic paint on :</u> | | | | |
| 3 | Existing internal concrete floors. | m2 | 156 | | |
| 4 | Existing skirtings in narrow widths not exceeding 300mm high. | m | 281 | | |
| | <u>PREVIOUSLY PAINTED FIBRE CEMENT</u> | | | | |
| | <u>Scrape down loose or peeling paint, clean off surface contaminants with a sugar soap solution, allow to dry and apply one coat primer and two coats professional exterior super matt paint on:</u> | | | | |
| 5 | External cill not exceeding 300mm girth. | m | 28 | | |
| | Carried to Collection | | | R | |
| | Section No. 2 Bill No. 13 PAINTWORK | | | | |
| | PROVISIONAL BILLS OF QUANTITIES | | | | |

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**NKANGELEKHO INTERMEDIATE SCHOOL
THE MVULA TRUST FLUSH MAINTENANCE PROGRAMME**

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| <p>Section No. 2</p> <p>Bill No. 13</p> <p>PAINTWORK</p> <p><u>COLLECTION</u></p> <p>Total Brought Forward from Page No.</p> | | | | |
| | | Page No | | Amount |
| | | 81 | | |
| | | 82 | | |
| | | 83 | | |
| <p align="right">Carried Forward to Summary of Section No. 2</p> <p>Section No. 2</p> <p>Bill No. 13</p> <p>PAINTWORK</p> <p>PROVISIONAL BILLS OF QUANTITIES</p> | | | | R |

**NKANGELEKHO INTERMEDIATE SCHOOL
THE MVULA TRUST FLUSH MAINTENANCE PROGRAMME**

| Item No | | Quantity | Rate | Amount |
|---------|---|----------|------|--------|
| | <u>BILL No. 12</u> <u>EXTERNAL WORKS (PROVISIONAL)</u> <u>Note:</u> For Preambles see "PW 371 - A Edition 2.1 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (Edition 2.1 July 2014). <u>TEMPORARY BARRIERS, SCREENS, ECT.</u> <u>TEMPORARY HOARDING</u> Note: Contractor to price for the taking down and carting away hoarding on completion. <u>Site clearance</u> | | | |
| 1 | Allow for clearing site for the width of 1000mm where fencing runs are to be erected including removing trees, shrubs, etc., not exceeding 200mm girth, grubbing up roots and roughly levelling. | m | 100 | |
| 2 | External barricade screen, 1800mm high overall, comprising 100-125mm diameter tanalith treated gumpoles planted 650mm deep in ground at 3000mm centres comprising of six strands of 4mm galvanised straining wires (evenly spaced) secured to posts with doubled 2mm galvanised wire inserted through hole in post and turned a minimum of four turns around straining wire and yellow and orange barrier shade cloth fixed to straining wires with 20Mpa mass concrete base size 400 x 400 x 550mm thick with sloping top surface including all necessary excavations, backfilling, risk of collapse and carting away surplus material, etc. | m | 100 | |
| | Carried to Collection | | R | |
| | Section No. 2 Bill No. 14 EXTERNAL WORKS PROVISIONAL BILLS OF QUANTITIES | | | |

**NKANGELEKHO INTERMEDIATE SCHOOL
THE MVULA TRUST FLUSH MAINTENANCE PROGRAMME**

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| | <p><u>Hot dipped galvanised steel gates</u></p> <p>1 Security fence double gate, size 3000mm wide x 1800mm high, formed of 80 x 40 x 4mm wall thickness rectangular section framing all round with mitred and welded angles and diagonal cross brace, the gate covered with mesh security fencing secured with "Howgring" clips applied with "Howgring" pliers at 300mm centres to and including six rows of straining wires and yellow/orange barrier shade cloth. No 1</p> <p><u>THE FOLLOWING IN WALKWAYS</u></p> <p><u>EARTHWORKS</u></p> <p><u>Excavate in earth not exceeding 2m deep including trimming sides, levelling and ramming bottoms and deposit in spoil heaps for later re-use or cart away</u></p> <p>2 Reduced levels between buildings, retaining walls, etc. m3 10</p> <p><u>Carting away of excavated material</u></p> <p>3 Extra over all excavations for loading surplus or unsuitable material from spoil heaps and cart away to a dumping site to be located by the Contractor. m3 10</p> <p><u>BASECOURSES</u></p> <p>4 G7 Base course material, selected and supplied by the Contractor, deposited in layers not exceeding 150mm thick, watered and consolidated to 98% modified AASHTO density under pavings. m3 15</p> <p><u>Sundries</u></p> <p>5 Rip reduced platform level and recompact to 93% Mod. A.A.S.H.T.O. density. m2 100</p> <p align="right">Carried to Collection</p> <p>Section No. 2 Bill No. 14 EXTERNAL WORKS</p> <p>PROVISIONAL BILLS OF QUANTITIES</p> | | | |
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**NKANGELEKHO INTERMEDIATE SCHOOL
THE MVULA TRUST FLUSH MAINTENANCE PROGRAMME**

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| 1 | <p><u>Prescribed Testing</u></p> <p>Provide and have filling compaction check tested by a Consulting Engineer's Laboratory and deliver the results to the Architect within 24 hours of the tests being completed.</p> <p>No</p> <p>5</p> <p>Carried to Collection</p> <p>Section No. 2 Bill No. 14 EXTERNAL WORKS</p> <p>PROVISIONAL BILLS OF QUANTITIES</p> | | | | |
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**NKANGELEKHO INTERMEDIATE SCHOOL
THE MVULA TRUST FLUSH MAINTENANCE PROGRAMME**

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|---|--|----|-----|---|--|
| <u>Weedkillers, insecticides, etc.</u> | | | | | |
| <u>Soil insecticide in accordance with SANS 5859</u> | | | | | |
| 1 | Under paving, etc. | m2 | 100 | | |
| <u>PRECAST CONCRETE PAVERS</u> | | | | | |
| <u>Grey interlocking precast concrete pavers type S-A laid in herringbone pattern with header course perimeter margin</u> | | | | | |
| 2 | 50mm Thick laid on and including 25mm sand bed treated with weed killer and cement/sand mixture swept into joints on completion. | m2 | 100 | | |
| <u>Sundries</u> | | | | | |
| 3 | Circular cutting on 50mm thick non bevelled concrete pavers. | m | 10 | | |
| <u>Channelling, kerbing, edging, etc.</u> | | | | | |
| <u>Precast concrete kerbing</u> | | | | | |
| 4 | Precast semi-mountable concrete Fig 8B edge kerb size 300 x 175mm high cast in lengths not exceeding 1m and with expansion joints at not exceeding 10m centres finished smooth off the mould on all exposed surfaces bedded on and including minimum 50mm thick mass concrete 15 MPa base and backing including all necessary excavation, formwork, expansion joints, etc. | m | 150 | | |
| 5 | Ditto, but circular on plan to not exceeding 4m radius. | m | 20 | | |
| <u>THE FOLLOWING IN WATER SUPPLY</u> | | | | | |
| <u>ALTERATIONS TO EXISTING</u> | | | | | |
| 6 | Locate, cut into and temporarily stop off 40mm diameter water pipe for insertion of stop end (elsewhere). | No | 1 | | |
| Carried to Collection | | | | R | |
| Section No. 2 Bill No. 14 EXTERNAL WORKS | | | | | |
| PROVISIONAL BILLS OF QUANTITIES | | | | | |

**NKANGELEKHO INTERMEDIATE SCHOOL
THE MVULA TRUST FLUSH MAINTENANCE PROGRAMME**

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|--|---|----|-----|---|--|
| 1 | Locate, cut into and temporarily stop off 54mm diameter water pipe for insertion of Tee Junction (elsewhere). | No | 1 | | |
| 2 | Locate, cut into and temporarily stop off 63mm diameter water pipe for insertion of Tee Junction (elsewhere). | No | 1 | | |
| <u>PIPEWORK, ETC.</u> | | | | | |
| <u>Pipes, pipe fittings, etc.</u> | | | | | |
| <u>Class 12 uPVC water supply pipe with bedding and filling in accordance with SABS 1200</u> | | | | | |
| 3 | 32mm Pipe and laying in ground not exceeding 1000mm deep. | m | 150 | | |
| 4 | 40mm Pipe and laying in ground not exceeding 1000mm deep. | m | 100 | | |
| <u>Extra over uPVC pipes for the following fittings</u> | | | | | |
| 5 | 32mm bend. | No | 20 | | |
| 6 | 40mm bend. | No | 10 | | |
| 7 | 32mm Tee junction. | No | 8 | | |
| 8 | 40mm Tee junction. | No | 5 | | |
| 9 | 32 x 40 x 32mm Reducing tee. | No | 1 | | |
| 10 | 32 x 54 x 32mm Reducing tee. | No | 1 | | |
| 11 | 40 x 63 x 40mm Reducing tee. | No | 1 | | |
| Carried to Collection | | | | R | |
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|---|--|----|------|---|--|
| | <u>Water supply valve or meter chambers</u> | | | | |
| 1 | Excavate for and build valve chamber size 460 x 460 x not exceeding 1000mm deep internally, formed of 300mm thick layer of well backfilling , 200mm high half brick corbelled sides with 75mm brickforce between each course including Type 3A cast iron valve cover and frame size 100 x 230 x 300 encased in a 300mm thick 25mpa mass concrete base. | No | 5 | | |
| | <u>Taps, valves, etc.</u> | | | | |
| 2 | 32mm Gate valve. | No | 5 | | |
| 3 | 32mm Non return valve. | No | 1 | | |
| | <u>Testing</u> | | | | |
| 4 | Allow for testing the water supply installation in accordance with the National Building Regulations. | | Item | | |
| | <u>THE FOLLOWING IN SOIL DRAINAGE</u> | | | | |
| | Pipe depth categories and manholes, catchpits, etc. have been measured to the designed invert levels of same. The Contractor is to allow for in his rates for any additional excavation, bedding, backfilling, making up levels, etc. he deems necessary to make up any difference to actual depth. | | | | |
| | <u>EXISTING SERVICES</u> | | | | |
| | Jet or high pressure cleaning to be carried out on subsurface piping, rodding eyes, manholes, etc. to be carried out to the complete satisfaction of the Engineer. | | | | |
| | <u>Pipes</u> | | | | |
| 5 | 110mm Pipe fixed to walls. | m | 10 | | |
| 6 | 110mm Pipe not exceeding 1000mm deep. | m | 100 | | |
| | Carried to Collection | | | R | |
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**NKANGELEKHO INTERMEDIATE SCHOOL
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|---|---|----|------|---|--|
| <u>MANHOLES, ETC.</u> | | | | | |
| 1 | Excavate for and build manhole size 1440 x 1440 x not exceeding 1000mm deep internally, formed of 150mm thick reinforced concrete (25MPa) bottom projecting 150mm all round with welded mesh Ref. 245 both top and bottom, one brick sides, 150mm high precast reinforced concrete (25MPa) cover slab and lid with welded mesh Ref. 245 both top and bottom laid loose on top of brickwork, finished on all exposed surfaces in 3.1 cement plaster and bottom graded to outlets in 3.1 cement mortar. | No | 1 | | |
| | <u>Cast iron covers and frames</u> | | | | |
| 2 | Type 2A cast iron manhole cover and frame size 620mm diameter bedded on top of concrete slab in cement mortar. | No | 3 | | |
| | <u>Testing</u> | | | | |
| 3 | Allow for testing the soil drainage and sewer plumbing installation in accordance with the National Building Regulations. | | Item | | |
| <u>THE FOLLOWING IN RAINWATER TANKS AND TANKSTANDS (ALL TRADES)</u> | | | | | |
| <u>Rainwater harvesting (Labour intensive)</u> | | | | | |
| <u>Excavate in earth not exceeding 2m deep including trimming sides, levelling and ramming bottoms and deposit in spoil heaps for later re-use or cart away</u> | | | | | |
| 4 | Surface trenches. | m3 | 1 | | |
| | <u>Excavations in earth of more difficult character</u> | | | | |
| 5 | Extra over excavations in earth for excavation in soft rock. | m3 | 1 | | |
| 6 | Extra over excavations in earth for excavation in hard rock. | m3 | 0.4 | | |
| Carried to Collection | | | | R | |
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|---|---|----|------|---|--|
| <u>Carting away of excavated material</u> | | | | | |
| 1 | Load surplus or unsuitable material from spoil heaps and cart away to a dumping site to be located by the Contractor. | m3 | 5 | | |
| <u>Risk of collapse of excavations</u> | | | | | |
| 2 | Allow for risk of collapse to sides of excavations not exceeding 1.5m deep including all necessary timber shoring, etc. | m2 | 21 | | |
| <u>Keeping excavations free of water</u> | | | | | |
| 3 | Allow for keeping the excavations free from water. | | Item | | |
| <u>Filling, layerworks, etc.</u> | | | | | |
| 4 | Earth filling from the excavations and/or stockpiles in backfilling to trenches, column bases, etc., compacted to 95% Mod AASHTO dry density. | m3 | 4 | | |
| 5 | Imported G7 filling, selected and supplied by the Contractor, including depositing in layers not exceeding 150mm thick and compacting to 95% modified AASHTO dry density to trenches, bases, etc. | m3 | 3 | | |
| <u>Tests</u> | | | | | |
| 6 | Allow for Mod AASHTO density tests on filling. | No | 2.00 | | |
| <u>Reinforced concrete 25MPa in:</u> | | | | | |
| 7 | Strip foundations cast against excavated surfaces. | m3 | 2 | | |
| <u>Rough formwork (use and waste) to concrete to:</u> | | | | | |
| 8 | Edge, riser, etc not exceeding 300mm high. | m | 16 | | |
| <u>High tensile welded steel mesh reinforcement :</u> | | | | | |
| 9 | Ref: 395 cast into concrete surfaces. | m2 | 7 | | |
| Carried to Collection | | | | R | |
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|--|---|----|----|---|--|
| 1 | Ref: 395 cast into concrete strip footings. | m2 | 14 | | |
| | <u>Brickwork in stock bricks in 5:1 cement mortar :</u> | | | | |
| 2 | One brick wall. | m2 | 7 | | |
| 3 | One brick wall in foundations. (Provisional) | m2 | 7 | | |
| | <u>Brickwork sundries :</u> | | | | |
| 4 | Galvanised brick reinforcement 150mm wide built horizontally into brickwork. | m | 43 | | |
| 5 | Extra over ordinary brickwork for facing and pointing in stretcher bond. | m2 | 7 | | |
| 6 | Extra over ordinary brickwork for facing and pointing in stretcher bond in foundations. (Provisional) | m2 | 2 | | |
| | <u>Face brick copings, lintols, cills, etc.</u> | | | | |
| 7 | Extra over brickwork for brick-on-edge header course coping including pointing to both faces and top. | m | 16 | | |
| | <u>Movement joints</u> | | | | |
| 8 | 10mm Thick bitumen impregnated softboard built vertically between concrete and concrete or brickwork surfaces. | m2 | 5 | | |
| 9 | Rake out 10mm wide softboard for a depth of 10mm and seal with an approved 2 part polysulphide sealant. | m | 9 | | |
| | <u>Ties, cramps, etc.</u> | | | | |
| 10 | 38 x 1,6mm Galvanised hoop iron strap around tank, both ends fitted with once holed 30 x 30 x 3mm thick galvanised flat plate and bolted together with and including M8 bolt and nut. | No | 2 | | |
| Carried to Collection | | | | R | |
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|---|---|----|----|---|--|
| 1 | 38 x 1,6mm Galvanised hoop iron tie down, 1200mm long, one end wrapped around tank strap and twice bolted, the other end folded over and bolted to top of concrete with and including 8 x 60mm masonry anchor. | No | 8 | | |
| | <u>250 Micron "Gunplas USB" green polyethylene sheeting</u> : | | | | |
| 2 | Laid flat under solid floor and over walls. | m2 | 7 | | |
| | <u>Rainwater tanks:</u> | | | | |
| 3 | 5000 Litre polyethylene rotomoulded vertical water storage tank provided complete with lid and overflow outlet , fitted with suitable adaptor and setting in position on concrete tankstand (elsewhere measured). (The tanks are to be filled with water for the Practical Completion inspection) | No | 2 | | |
| 4 | Hole through top of tank lid for 100mm diameter pipe. | No | 2 | | |
| | <u>THE FOLLOWING IN SECURITY FENCING</u> | | | | |
| | <u>SECURITY FENCING</u> | | | | |
| | The Contractor is to allow in his rates for any site clearance, preparation of ground, etc. in order to carry out the work successfully. | | | | |
| | <u>"Clearvu" or equally approved fencing products to be executed in strict accordance with the Manufacturer's instructions</u> | | | | |
| | <u>Fencing</u> | | | | |
| 5 | High security galvanised, marine fusion bond coated, mesh fencing panel, size 3350 x 1800mm high fixed to posts (elsewhere). | No | 11 | | |
| 6 | High security galvanised, marine fusion bond coated, mesh fencing panel, size 2300 x 1800mm high fixed to posts (elsewhere). | No | 1 | | |
| | Carried to Collection | | | R | |
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|---|--|----|-----|---|--|
| | <u>Posts</u> | | | | |
| 1 | Intermediate locking taper post, marine fusion bond coated, 2400mm long, with UV stabilised polymer cap including embedding in 400 x 400 x 600mm (25Mpa) concrete base including all necessary excavations, backfilling, etc. | No | 11 | | |
| 2 | End or corner square post, marine fusion bond coated, 2400mm long, with UV stabilised polymer cap including embedding in 400 x 400 x 600mm (25Mpa) concrete base including all necessary excavations, backfilling, etc. | No | 4 | | |
| 3 | Square gate post, marine fusion bond coated, 2400mm long, with UV stabilised polymer cap and gate mooring bracket including embedding in 400 x 400 x 600mm (25Mpa) concrete base including all necessary excavations, backfilling, etc. | No | 2 | | |
| | <u>Gates</u> | | | | |
| 4 | Single gate, size 1000 x 1800mm high overall formed of square section perimeter framing, rails, etc. and the gate covered with high security galvanised, marine fusion bond coated, mesh including locking mechanism, hinges, drop bolts, etc. as per manufacturer's specifications. | No | 1 | | |
| | <u>Accessories</u> | | | | |
| 5 | 100mm High, marine fusion bond coated, steel shark spikes in 1500mm lengths pre-drilled and bolted to top of fencing panels (elsewhere). | m | 40 | | |
| 6 | "Union 3122" or other approved 51mm brass padlock with stainless steel shackle. | No | 1 | | |
| | <u>Sundries</u> | | | | |
| 7 | Extra over excavations in earth (concrete bases) for excavation in soft rock. | m3 | 0.1 | | |
| | Carried to Collection | | | R | |
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|---|---|------|------|---|--|
| 1 | Extra over excavations in earth (concrete bases) for excavation in hard rock. | m3 | 0.1 | | |
| <u>THE FOLLOWING IN ELEVATED TANKS AND GROUND STORAGE (ALL TRADES)</u> | | | | | |
| <u>EXCAVATIONS, FILLING, ETC.</u> | | | | | |
| <u>Excavations in earth of more difficult character</u> | | | | | |
| 2 | Extra over excavations in earth for excavation in soft rock. | m3 | 1 | | |
| <u>Foundation courses</u> | | | | | |
| 3 | Imported G7 filling, selected and supplied by the Contractor, including depositing in layers not exceeding 150mm thick and compacting to 95% modified AASHTO dry density under solid floors. | m3 | 4 | | |
| <u>Compaction of surfaces</u> | | | | | |
| 4 | Scarify in-situ material to a depth of 150mm and compact to 93% Mod AASHTO density. | m2 | 27 | | |
| <u>Tests</u> | | | | | |
| 5 | Allow for Mod AASHTO density tests on filling. | No | 2.00 | | |
| <u>CONCRETE (Labour intensive)</u> | | | | | |
| <u>Reinforced concrete 30MPa (19mm stone) in:</u> | | | | | |
| 6 | Rafter slabs cast against excavated surfaces. | m3 | 8 | | |
| <u>Testing</u> | | | | | |
| 7 | Allow for preparing and curing a set of three test cubes, each size 150mm x 150mm x 150mm and pay all transport and testing costs undertaken by an approved independent laboratory. (Provisional) | Sets | 2 | | |
| Carried to Collection | | | | R | |
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|--|---|--|---|--|--|
| | <p><u>Surface treatment</u></p> <p>1 Float surface of concrete to a wood float finish. m2</p> <p>27</p> <p>Carried to Collection</p> <p>Section No. 2 Bill No. 14 EXTERNAL WORKS</p> <p>PROVISIONAL BILLS OF QUANTITIES</p> | | | | |
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| <u>FORMWORK</u> | | | | | |
| <u>Edges, risers, ends and reveals</u> | | | | | |
| 1 | Edge, riser, etc exceeding 300mm high. | m2 | 11 | | |
| <u>Projections, grooves, etc.</u> | | | | | |
| 2 | Labour and material in forming 25 x 25mm chamfer to exposed top edge of concrete. | m | 24 | | |
| <u>REINFORCEMENT (PROVISIONAL)</u> | | | | | |
| <u>High tensile welded steel mesh reinforcement :</u> | | | | | |
| 3 | Ref: 395 cast into concrete surfaces. | m2 | 27 | | |
| <u>PLUMBING AND DRAINAGE</u> | | | | | |
| <u>ALTERATIONS TO EXISTING</u> | | | | | |
| 4 | Locate, cut into and temporarily stop off 63mm diameter water pipe for insertion of reducing fitting (elsewhere). | No | 2 | | |
| <u>Pipes, pipe fittings, etc.</u> | | | | | |
| <u>Class 12 uPVC water supply pipe with bedding and filling in accordance with SABS 1200</u> | | | | | |
| 5 | 40mm Pipe. | m | 90 | | |
| 6 | 50mm Pipe. | m | 12 | | |
| 7 | 40mm Pipe and laying in ground not exceeding 1000mm deep. | m | 10 | | |
| <u>Extra over uPVC pipes for the following fittings</u> | | | | | |
| 8 | 40mm Bend. | No | 27 | | |
| 9 | 50mm Bend. | No | 5 | | |
| 10 | 40mm Tee junction. | No | 2 | | |
| Carried to Collection | | | | R | |
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|----|--|----|---|---|--|
| 1 | 63 x 40mm Straight reducer | No | 2 | | |
| | <u>Taps, valves, etc.</u> | | | | |
| 2 | 40mm float valve kit fitted inside of tank. | No | 3 | | |
| 3 | 40mm In-line strainer. | No | 2 | | |
| 4 | 40mm Brass gate valve. | No | 3 | | |
| 5 | 40mm Brass non return valve. | No | 1 | | |
| 6 | 40mm Flanged resilient seal gate valve with cap top. | No | 2 | | |
| 7 | 40mm Flanged pressure reducing valve. | No | 1 | | |
| | <u>Switch</u> | | | | |
| 8 | Float switch fitted inside of tank. | No | 2 | | |
| | <u>Connections</u> | | | | |
| | <u>Connection of new to existing pipes</u> | | | | |
| 9 | Connection of 40mm diameter HDPE to 40mm diameter galvanised pipes including all necessary reducers, saddles, etc. | No | 2 | | |
| 10 | Connection of 40mm diameter HDPE to 0.75kw water pump including all necessary reducers, saddles, etc. | No | 2 | | |
| 11 | Connection of 63mm diameter HDPE to 40mm diameter galvanised pipes including all necessary reducers, saddles, etc. | No | 1 | | |
| | <u>Rainwater tanks:</u> | | | | |
| 12 | Install 20 000 Litre vertical water storage tank, supplied from on-site stockpile, and securely set in position on concrete tank stand (measured elsewhere) (tanks are to be filled with water for the Practical Completion inspection). | No | 3 | | |
| | Carried to Collection | | | R | |
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|---|---|----|------|---|-----------|
| 1 | Hole through side of tank for 40mm diameter pipe including adaptor. | No | 6 | | |
| | <u>Ties, cramps, etc.</u> | | | | |
| 2 | 38 x 1,6mm Galvanised hoop iron strap around tank, both ends fitted with once holed 30 x 30 x 3mm thick galvanised flat plate and bolted together with and including M10 bolt and nut. | No | 3 | | |
| 3 | 38 x 1,6mm Galvanised hoop iron tie down, 2500mm long, one end wrapped around tank strap and twice bolted, the other end folded over and bolted to top of concrete with and including 8 x 60mm masonry anchor. | No | 12 | | |
| | <u>Water supply valve or meter chambers</u> | | | | |
| 4 | Excavate for and build valve chamber size 565 x 665 x 550mm deep overall formed of precast concrete valve chamber units 1, 2, 3 and 4 with valve box lid-V and 19mm thick layer of 19mm stone in bottom including filling in and ramming. | No | 2 | | |
| | <u>Pump and Pumphouse</u> | | | | |
| 5 | Allow the Budgetary Allowance of R 15 000,00 (Fifteen Thousand Rand) for the installation of a 0.75kw water pump including housing, etc. | | Item | | 15,000.00 |
| | <u>ELECTRICAL CONNECTION</u> | | | | |
| | <u>Elevated Tank Electrical Works</u> | | | | |
| 6 | Allow the Budgetary Allowance of R 30 000,00 (Thirty Thousand Rand) for the electrical supply to the water pumps, float switches, ect. | | Item | | 30,000.00 |
| | <u>PROVISION OF TEMPORARY TOILETS DURING THE CONSTRUCTION PERIOD</u> | | | | |
| | <u>Portable toilets</u> | | | | |
| 7 | Supply and erecting of the portable chemical toilet during the duration of the contract. | No | 10 | | |
| | Carried to Collection | | | R | |
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| | <p><u>ROOF TRUSS STRENGTHENING</u></p> <p>1 Allow the Budgetary Allowance of R 15 000.00 (Fifteen Thousand Rand) for the additional bracing, sizing of members, etc. to the timber roof structure to the existing buildings to repair any damaged members to the roof trusses.</p> <p><u>PARTITIONING SYSTEM</u></p> <p>2 Allow the Budgetary Allowance of R 20 000.00 (Twenty Thousand Rand) for the supply and installation of partitioning system to existing toilet block.</p> <p><u>MINOR REPAIRS TO EXISTING ABLUTIONS</u></p> <p>3 Allow the Budgetary Allowance of R 75 000.00 (Seventy Five Thousand Rand) for the repairs and renovations of the existing early childhood development centre toilets.</p> <p align="right">Carried to Collection</p> <p>Section No. 3 Bill No. 1 PROVISIONAL SUMS, BUDGETARY ALLOWANCES, EC</p> <p>PROVISIONAL BILLS OF QUANTITIES</p> | <p>Item</p> <p>Item</p> <p>Item</p> | | <p>15,000.00</p> <p>20,000.00</p> <p>75,000.00</p> <p>R</p> | |
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| <p>Section No. 3</p> <p>Bill No. 1</p> <p>PROVISIONAL SUMS, BUDGETARY ALLOWANCES, ECT.</p> <p><u>COLLECTION</u></p> | | | | |
| | Page No | | Amount | |
| Total Brought Forward from Page No. | 105 | | | |
| | 106 | | | |
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| Carried to Final Summary | | | R | |
| <p>Section No. 3</p> <p>Bill No. 1</p> <p>PROVISIONAL SUMS, BUDGETARY ALLOWANCES, EC</p> <p>PROVISIONAL BILLS OF QUANTITIES</p> | | | | |

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| Section No | <u>FINAL SUMMARY</u> | Page No | | Amount | |
|-------------------|--|----------------|---|---------------|--|
| 1 | SECTION NO.1 - PRELIMINARIES AND GENERAL | 48 | | | |
| 2 | SECTION NO.2 - BUILDING WORKS | 104 | | | |
| 3 | SECTION NO.3 - PROVISIONAL SUMS , BUDGETARY ALLOWANCES, ECT. | 107 | | | |
| | Sub - Total | | R | | |
| | <u>CONTINGENCY PROVISIONS</u> | | | | |
| | Allow the Budgetary Provision of R 100 000.00 (One Hundred Thousand Rand) for construction contingencies of a general nature and for the finalisation of design detailing. This sum, or any portion thereof, shall be expended at the sole discretion of the Principal Agent. Any residual balance remaining subsequent to such expenditure shall be deducted in its entirety from the Contract Sum. | Item | | 100,000.00 | |
| | Sub - Total | | R | | |
| | Add Value - Added Tax at the rate applicable as at Tender closing date. | | R | | |
| | Sub - Total | | R | | |
| | Carried to Form of Tender | | R | | |
| | PROVISIONAL BILLS OF QUANTITIES | | | | |