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SECTION NO. 1
PRELIMINARIES

MEANING OF TERMS "TENDER / TENDERER"

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

PRELIMINARIES

The JBCC Preliminaries Code 2101, July 2007 edition 5.0 code 2101. for use with the JBCC Principal Building Agreement Edition 5 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".

PRICING OF PRELIMINARIES

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 by insertion of "F", "V" or "T" and the respective amounts in the "Rate" column with the total extended to the "Amount" column.

Items not priced in these Preliminaries shall be deemed to be included elsewhere in these Bills of Quantities.

SECTION A: JBCC PRINCIPAL BUILDING AGREEMENT

DEFINITIONS

1 A1 DEFINITIONS AND INTERPRETATION

Clause 1.0

F: V: T:

1.1 Definition of "Commencement Date" is added:

"COMMENCEMENT DATE" means the date that the agreement, made in terms of the Form of Offer and Acceptance, comes into effect

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

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

Clause 1.1 Definition of "Interest" is amended by replacing it with the following:

"INTEREST" means the interest rates applicable on this contract, whether specifically indicated in the relevant clauses or not, will be in terms of the legislation of the Republic of South Africa, and in particular:

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(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; and (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. Clause 1.6.4 is amended by replacing it with the following: No clause <u>OBJECTIVE AND PREPARATION</u>		
2	A2 OFFER, ACCEPTANCE AND PERFORMANCE	
	Clause 2.0 F: V: T:	Item
3	A3 DOCUMENTS	
	Clause 3.0 F: V: T: Clause 3.7 is amended by the addition of the following: 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	Item
4	A4 DESIGN RESPONSIBILITY	
	Clause 4.0 F: V: T:	Item
5	A5 EMPLOYER'S AGENTS	
	Clause 5.0 F: V: T: Clause 5.1.2 is amended to include clauses 32.6.3, 34.3 and 34.4	Item
6	A6 SITE REPRESENTATIVE	
	Clause 6.0 F: V: T:	Item
7	A7 COMPLIANCE WITH REGULATIONS	
	Clause 7.0 F: V: T: Note: The provisions herein include inter alia, compliance with all the requirements set out in the Construction Regulations, 2003 issued under the Occupational Health and Safety Act, 1993 (Act No 85 of 1993), and in particular with Regulation 5(1) requiring the compilation of a health and safety plan, as well as Regulation 6(1) requiring the appointment of a construction supervisor	Item
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See also clause C5 of Section C - Specific Preliminaries		
8	A8 WORKS RISK	
	Clause 8.0	Item
	F: V: T:	
9	A9 INDEMNITIES	
	Clause 9.0	Item
	F: V: T:	
10	A10 WORKS INSURANCES	
	Clause 10.0	Item
	F: V: T:	
	Clause 10.0 is amended by the addition of the following clauses:	
	10.5 Damage to the Works	
	(a) Without in any way limiting the contractor's obligations in terms of the contract, the contractor shall bear the full risk of damage to and/or destruction of the works by whatever cause during construction of the works and hereby indemnifies and holds harmless the employer against any such damage. The contractor shall take such precautions and security measures and other steps for the protection and security of the works as the contractor may deem necessary	
	(b) The contractor shall at all times proceed immediately to remove or dispose of any debris arising from damage to or destruction of the works and to rebuild, restore, replace and/or repair the works	
	(c) The employer shall carry the risk of damage to or destruction of the works and material paid for by the employer that is the result of the excepted risks as set out in 10.6	
	(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	
	10.6 Injury to Persons or loss of or damage to Properties	
	(a) The contractor shall be liable for and hereby indemnifies the employer against any liability, loss, claim or proceeding whether arising in common law or by statute, consequent upon personal injuries to or the death of any person whomsoever arising out of or in the course of or caused by the execution of the works unless due to any act or neglect of any person for whose actions the employer is legally liable	
	(b) The contractor shall be liable for and hereby indemnifies the employer against any liability, loss, claim or proceeding consequent upon loss of or damage to any moveable or immovable or personal property or property contiguous to the site, whether belonging to or under the control of the employer or any other body or person, arising out of or in the course of or by reason of the execution of the works unless due to any act or neglect of any person for whose actions the employer is legally liable	
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(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

(d) The contractor shall be responsible for the protection and safety of such portions of the premises placed under his control by the employer for the purpose of executing the works until the issue of the certificate of practical completion

(e) Where the execution of the works involves the risk of removal of or interference with support to adjoining properties including land or structures or any structures to be altered or added to, the contractor shall and will remain adequately insured or insured against the death of or injury to persons or damage to such property consequent on such removal or interference with the support until such portion of the works has been completed

(f) The contractor shall at all times proceed immediately at his own cost to remove or dispose of any debris and to rebuild, restore, replace and/or repair such property and to execute the works

10.7 High risk insurance

In the event of the project being executed in a geological area classified as a "High Risk Area", that is an area which is subject to highly unstable subsurface conditions that might result in catastrophic ground movement evident by sinkhole or doline formation the following will apply:

10.7.1 Damage to the works

The contractor shall, from the commencement date of the works until the date of the certificate of practical completion bear the full risk of and hereby indemnifies and holds harmless the employer against any damage to and/or destruction of the works consequent upon a catastrophic ground movement as mentioned above. The contractor shall take such precautions and security measures and other steps for the protection of the works as he may deem necessary

When so instructed to do so by the principal agent, the contractor shall proceed immediately to remove and/or dispose of any debris arising from damage to or destruction of the works and to rebuild, restore, replace and/or repair the works, at the contractor's own costs

10.7.2 Injury to persons or loss of or damage to property

The contractor shall be liable for and hereby indemnifies and holds harmless the employer against any liability, loss, claim or proceeding arising at any time during the period of the contract whether arising in common law or by statute, consequent upon personal injuries to or the death of any person whomsoever resulting from, arising out of or caused by a catastrophic ground movement as mentioned above

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The contractor shall be liable for and hereby indemnifies the employer against any and all liability, loss, claim or proceeding consequent upon loss of or damage to any moveable or immovable or personal property or property contiguous to the site, whether belonging to or under the control of the employer or any other body or person whomsoever arising out of or caused by a catastrophic ground movement, as mentioned above, which occurred during the period of the contract 10.7.3 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 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		
11	A11 LIABILITY INSURANCES Clause 11.0 F: V: T:	Item
12	A12 EFFECTING INSURANCES Clause 12.0 F: V: T:	Item
13	A13.0 No clause F: V: T:	Item
14	A14 SECURITY Clause 14.0 F: V: T: Clauses 14.1 - 14.8 are amended by replacing them with the following: 14.1 In respect of contracts with a contract sum up to R1 million, the security to be submitted by the contractor to the employer will be as a payment reduction of five per cent (5%) of the value certified in the payment certificate (excluding VAT) 14.1.1 The payment reduction of the value certified in a payment certificate shall be mutatis mutandi in terms of 31.8(A) 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	Item
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14.2 In respect of contracts with a contract sum above R1 million, the contractor shall have the right to select the security to be provided in terms of 14.3, 14.4, 14.5, 14.6, or 14.7 as stated in the schedule. Such security shall be provided to the employer within twenty-one (21) calendar days from commencement date. Should the contractor fail to select the security to be provided or should the contractor fail to provide the employer with the selected security within twenty-one (21) calendar days from commencement date, the security in terms of 14.7 shall be deemed to have been selected.

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

14.3.1 The contractor shall furnish the employer with a cash deposit equal in value to ten per cent (10%) of the contract sum (excluding VAT) within twenty-one (21) calendar days from commencement date

14.3.2 Within twenty-one (21) calendar days of the date of practical completion of the works the employer shall reduce the cash deposit to an amount equal to three per cent (3%) of the contract value (excluding VAT), and refund the balance to the contractor

14.3.3 Within twenty-one (21) calendar days of the date of final completion of the works the employer shall reduce the cash deposit to an amount equal to one per cent (1%) of the contract value (excluding VAT) and refund the balance to the contractor

14.3.4 On the date of payment of the amount in the final payment certificate, the employer shall refund the remainder of the cash deposit to the contractor

14.3.5 The employer shall be entitled to recover expense and loss from the cash deposit in terms of 33.0 provided that the employer complies with the provisions of 33.4 in which event the employer's entitlement shall take precedence over his obligations to refund the cash deposit security or portions thereof to the contractor

14.3.6 The parties expressly agree that neither the employer nor the contractor shall be entitled to cede the rights to the deposit to any third party

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

14.4.1 The contractor shall furnish the employer with an acceptable variable construction guarantee equal in value to ten per cent (10%) of the contract sum (excluding VAT) within twenty-one (21) calendar days from commencement date

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

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

14.4.4 Where the employer has a right of recovery against the contractor in terms of 33.0, the employer shall issue a written demand in terms of the variable construction guarantee

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14.5 Where security as a fixed construction guarantee of five per cent (5%) of the contract sum (excluding VAT) and a five per cent (5%) payment reduction of the value certified in the payment certificate (excluding VAT) has been selected:

14.5.1 The contractor shall furnish a fixed construction guarantee to the employer equal in value to five per cent (5%) of the contract sum (excluding VAT)

14.5.2 The fixed construction guarantee shall come into force on the date of issue and shall expire on the date of practical completion

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

14.5.4 The payment reduction of the value certified in a payment certificate shall be in terms of 31.8 (A) and 34.8

14.5.5 Where the employer has a right of recovery against the contractor in terms of 33.0, the employer shall be entitled to issue a written demand in terms of the fixed construction guarantee or may recover from the payment reduction or may do both

14.6 Where security as a cash deposit of five per cent (5%) of the contract sum (excluding VAT) and a payment reduction of five per cent (5%) of the value certified in the payment certificate (excluding VAT) has been selected:

14.6.1 The contractor shall furnish the employer with a cash deposit equal in value to five per cent (5%) of the contract sum (excluding VAT) within twenty-one (21) calendar days from commencement date

14.6.2 Within twenty-one (21) calendar days of the date of practical completion of the works the employer shall refund the cash deposit in total to the contractor

14.6.3 The payment reduction of the value certified in a payment certificate shall be mutatis mutandi in terms of 31.8(A)

14.6.4 Where the employer has a right of recovery against the contractor in terms of 33.0, the employer may issue a written notice in terms of 33.4 or may recover from the payment reduction or may do both

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

14.7.1 The payment reduction of the value certified in a payment certificate shall be mutatis mutandi in terms of 31.8(B)

14.7.2 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 or portions thereof to the contractor

14.8 Payments made by the guarantor to the employer in terms of the fixed or variable construction guarantee shall not prejudice the rights of the employer or contractor in terms of this agreement

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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 <u>EXECUTION</u>		
15	A15 PREPARATION FOR AND EXECUTION OF THE WORKS Clause 15.0 F: V: T: Clause 15.1.1 is amended by replacing it with: No Clause Clause 15.1 is amended by the addition of the following clause: 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 twenty-one (21) calendar days of commencement date Clause 15.2.1 is amended by replacing it with the following clause: Give the contractor possession of the site within ten (10) working days of the contractor complying with the terms of 15.1.2 and 15.1.4	Item
16	A16 ACCESS TO THE WORKS Clause 16.0 F: V: T:	Item
17	A17 CONTRACT INSTRUCTIONS Clause 17.0 F: V: T:	Item
18	A18 SETTING OUT OF THE WORKS Clause 18.0 F: V: T:	Item
19	A19 ASSIGNMENT Clause 19.0 F: V: T:	Item
20	A20 NOMINATED SUB-CONTRACTORS Clause 20.0 F: V: T: Clause 20.1.3 is amended by replacing it with the following: No Clause Note: See item B9.1 hereinafter for adjustment of attendance on nominated subcontractors executing work allowed for under provisional sums	Item
21	A21 SELECTED SUBCONTRACTORS	
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	Clause 21.0 F: V: T: Clause 21 is amended by replacing it with: No Clause	Item
22	A22 EMPLOYER'S DIRECT CONTRACTORS	
	Clause 22.0 F: V: T:	Item
23	A23 CONTRACTOR'S DOMESTIC SUBCONTRACTORS	
	Clause 23. F: V: T:	Item
	<u>COMPLETION</u>	
24	A24 PRACTICAL COMPLETION	
	Clause 24.0 F: V: T:	Item
25	A25 WORK'S COMPLETION	
	Clause 25.0 F: V: T:	Item
26	A26 FINAL COMPLETION	
	Clause 26.0 F: V: T:	Item
27	A27 LATENT DEFECTS LIABILITY PERIOD	
	Clause 27.0 F: V: T:	Item
28	A28 SECTIONAL COMPLETION	
	Clause 28.0 F: V: T:	Item
29	A29 REVISION OF DATE FOR PRACTICAL COMPLETION	
	Clause 29.0 F: V: T:	Item
30	A30 PENALTY FOR NON-COMPLETION	
	Clause 30.0 F: V: T:	Item
	<u>PAYMENT</u>	
31	A31 INTERIM PAYMENT TO THE CONTRACTOR	
	Clause 31.0 F: V: T:	Item
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Clause 31.8 is amended by replacing it with the following two alternative clauses: Alternative A 31.8(A) Where a security is selected in terms of 14.1; 14.5 or 14.6, 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: 31.8(A).1 Ninety-five per cent (95%) of such value in interim payment certificates issued up to the date of practical completion 31.8(A).2 Ninety-seven per cent (97%) of such value in interim payment certificates issued on the date of practical completion and up to but excluding the date of final completion 31.8(A).3 Ninety-nine per cent (99%) of such value in interim payment certificates issued on the date of final completion and up to but excluding the final payment certificate in terms of 34.6 31.8(A).4 One hundred per cent (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 Alternative B 31.8(B) Where security is a payment reduction in terms of 14.7 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: 31.8(B).1 Ninety per cent (90%) of such value in interim payment certificates issued up to the date of practical completion 31.8(B).2 Ninety-seven per cent (97%) of such value in interim payment certificates issued on the date of practical completion and up to but excluding the date of final completion 31.8(B).3 Ninety-nine per cent (99%) of such value in interim payment certificates issued on the date of final completion and up to but excluding the final payment certificate in terms of 34.6 31.8(B).4 One hundred per cent (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 Clause 31.12 is amended by deleting the following: Payment shall be subject to the employer giving the contractor a tax invoice for the amount due	
32 A32 ADJUSTMENT TO THE CONTRACT VALUE	
Clause 32.0 F: V: T: 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:	
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33	"due to no fault of the contractor" A33 RECOVERY OF EXPENSE AND LOSS Clause 33.0 F: V: T: Clause 33.2 is amended by adding the following clauses: 33.2.9 the contractor's failure or neglect to commence with the works on the dates prescribed in the contract 33.2.10 the contractor's failure or neglect to proceed with the works in terms of the contract 33.2.11 the contractor's failure or neglect for any reason to complete the works in accordance with the contract 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 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	Item
34	A34 FINAL ACCOUNT AND FINAL PAYMENT Clause 34.0 F: V: T: 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"	Item
35	A35 PAYMENT TO OTHER PARTIES Clause 35.0 F: V: T:	Item
36	<u>CANCELLATION</u> A36 CANCELLATION BY EMPLOYER - CONTRACTOR'S DEFAULT Clause 36.0 F: V: T: Clause 36.3 is amended by removing the reference to "No clause" and replacing the words "principal agent" with "employer" Clause 36.0 is amended by the addition of the following clause: 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	Item
37	A37 CANCELLATION BY EMPLOYER - LOSS AND DAMAGE	
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38	Clause 37.0 F: V: T: Clause 37.0 is amended by the addition of the following clause: 37.5 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	Item
	A38 CANCELLATION BY CONTRACTOR - EMPLOYER'S DEFAULT Clause 38.0 F: V: T: Clause 38.0 is amended by the addition of the following clause: 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	Item
39	A39 CESSATON - CANCELLATION OF THE WORKS Clause 39.0 F: V: T:	Item
	A40 DISPUTE SETTLEMENT Clause 40.0 F: V: T: Clause 40.2.2 is amended by replacing "one (1) year" with "three (3) years" Clause 40.6 is amended by removing the reference to: No clause Clause 40.7.1 is amended by replacing "(10)" with "(15)" and by the addition of the following: Whether or not mediation resolves the dispute, the parties shall bear their own cost concerning the mediation and equally share the costs of the mediator and related costs <u>SUBSTITUTE PROVISIONS</u>	Item
41	A41 STATE CLAUSES Clause 41.0 F: V: T: The substitute definition of "Construction Period" shall not be applicable to this contract. Substitute clause 31.9 shall be deemed to be replaced by the following:	Item
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"The employer shall pay the contractor the amount certified within thirty (30) calendar days of the date for issue of the payment certificate. Payment shall be subject to the contractor giving the employer a tax invoice for the amount due."

CONTRACT VARIABLES

THE SCHEDULE

A42 PRE-TENDER INFORMATION

Information necessary for completion of those clauses contained in the schedule which are necessary for tender purposes is given hereunder.

A42.1 CONTRACTING AND OTHER PARTIES

42.1.1

Employer : Department of Education

Postal Address :

ZWELITSHA

BHISHO

5605

Telephone : 040-

Facsimile : 040 -

42.1.2 Implementation Agent :Independent Development Trust Postal Address : Palm Square Business Park, Bonza Bay, East London 5241 Telephone: 043- 711 6000

42.1.2 Principal Agent/Quantity Surveyors : Lakhanya Quantity Surveyors Postal address: 58 Wesley Road, Mthatha, 5099 Telephone: (047) 531 2310 Facsimile: (047) 532 4942 E-mail:admin-ut@lakhanyaqs.co.za.

42.1.3 Agent (1): Broad Based Design Postal address: 58 Wesley Road, Mthatha, 5099 Telephone: (047) 531 2310 Facsimile: E-mail: admin-ut@lakqs.co.za

A42.2 CONTRACT DETAILS

42.2.1

Works Description:

Demolition of existing structures, Renovations to existing structures, Construction of 23 New Classrooms, 75m2 Admin Block, Reception Classroom and Ablutions, New toilet block and associated external works

42.2.2 Site Description: Ngquza Hill Local Municipality, Flagstaff

42.2.3.

Work or Installation by direct contractors:

Telephone system

Data cabling

42.2..4.

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Specific options that are applicable to a State organ only

Where so:

(1) Interest rate legislation:

Refer to clause A1.0 of the Preliminaries: Definiton of "Interest"

(2) Lateral support insurance to be effected by the contractor:

No

(3) Payment will be made for materials and goods:

Yes

(4) Dispute resolution by litigation:

Yes

(5) Extended defects liability period applicable to the following elements:

N/A

42.2.5 Possession of the site is intended to be given on: TBC

42.2.6

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

14 Working days

42.2.7 Intended date of practical completion and the penalty per calendar day for the works as a whole: Date: TBC Penalty: R 4662.00 per day

42.2.8

Intended dates of practical completion and the penalties per calendar day for the works in sections:

Date: N/A

Penalties per day: R

42.2.9

The law applicable to this agreement shall be that of:

South Africa

A42.3 INSURANCES

42.3.1

Contract works insurance to be effected by:

Contractor

For the sum of: To be determined by contractor (refer 10.1 under State clauses)

With a deductible of: To be determined by contractor

42.3.2

Supplementary insurance is required:

Yes

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42.3.3 Public liability insurance to be effected by: Contractor For the amount of: R10 000 000.00 With a deductible of: To be determined by contractor

42.3.4

Support insurance to be effected by the Employer

N/A

A42.4 DOCUMENTS

42.4.1

Waiver of the contractor's lien or right of continuing possession is required:

N/A

42.4.2

Construction document copies to be supplied to the contractor free of charge:

3 (three)

42.4.3

Bills of quantities drawn up in accordance with:

Sixth Edition (Revised) of the Standard System of Measuring Building Work

42.4.4

On acceptance of tender the priced bills of quantities is to be submitted within:

10 working days

42.4.5

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

No

42.4.6

The contract value is to be adjusted using CPAP indices:

Yes

Where CPAP is to be used the base month is:

April 2010

Alternative indices:

N/A

42.4.7

Details of changes made to the provisions of JBCC standard documentation:

Changes are included at the relevant clauses above

SECTION B: JBCC PRELIMINARIES

B1.0 DEFINITIONS AND INTERPRETATION

42 B1.1 Definitions and interpretation

F: V: T:

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<u>B2.0 DOCUMENTS</u>		
43	B2.1 Checking of documents F: V: T:	Item
44	B2.2 Provisional bills of quantities F: V: T:	Item
45	B2.3 Availability of construction documentation F: V: T:	Item
46	B2.4 Interests of agents F: V: T:	Item
47	B2.5 Priced documents F: V: T:	Item
48	B2.6 Tender submission F: V: T: Clause 2.6 is amended by replacing "JBCC Form of Tender" with "Independent Development Trust Tender Form" (see Returnable Schedules)	Item
<u>B3.0 THE SITE</u>		
49	B3.1 Defined works area F: V: T:	Item
50	B3.2 Geotechnical investigation F: V: T:	Item
51	B3.3 Inspection of the site F: V: T: Tenderers shall complete the Site Inspection Certificate included in the tender documents (refer Returnable Schedules) and return the same with the tender submission.	Item
52	B3.4 Existing premises occupied F: V: T:	Item
53	B3.5 Previous work - dimensional accuracy F: V: T:	Item
54	B3.6 Previous work - defects F: V: T:	Item
55	B3.7 Services - known F: V: T:	Item
56	B3.8 Services - unknown F: V: T:	Item
57	B3.9 Protection of trees F: V: T:	Item
58	B3.10 Articles of value F: V: T:	Item
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59	B3.11 Inspection of adjoining properties F: V: T:	Item	
	<u>B4.0 MANAGEMENT OF CONTRACT</u>		
60	B4.1 Management of the works F: V: T:	Item	
61	B4.2 Programme for the works F: V: T:	Item	
62	B4.3 Progress meetings F: V: T:	Item	
63	B4.4 Technical meetings F: V: T:	Item	
64	B4.5 Labour and plant records F: V: T:	Item	
	<u>B5.0 SAMPLES, SHOP DRAWINGS AND MANUFACTURERS' INSTRUCTIONS</u>		
65	B5.1 Samples of materials F: V: T:	Item	
66	B5.2 Workmanship sample F: V: T:	Item	
67	B5.3 Shop drawings F: V: T:	Item	
68	B5.4 Compliance with manufacturer's instructions F: V: T:	Item	
	<u>B6.0 TEMPORARY WORKS AND PLANT</u>		
69	B6.1 Deposits and fees F: V: T:	Item	
70	B6.2 Enclosure of the works F: V: T:	Item	
71	B6.3 Advertising F: V: T:	Item	
72	B6.4 Plant, equipment, sheds and offices F: V: T:	Item	
73	B6.5 Main notice board F: V: T:	Item	
74	B6.6 Subcontractors' notice board F: V: T:	Item	
	<u>B7.0 TEMPORARY SERVICES</u>		
75	B7.1 Location F: V: T:	Item	
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76	B7.2 Water F: V: T:	Item	
77	B7.3 Electricity F: V: T:	Item	
78	B7.4 Telecommunication facilities F: V: T:	Item	
79	B7.5 Ablution facilities F: V: T:	Item	
	<u>B8.0 PRIME COST AMOUNTS</u>		
80	B8.1 Responsibility for prime cost amounts F: V: T:	Item	
	<u>B9.0 ATTENDANCE ON N/S SUBCONTRACTORS</u>		
81	B9.1 General attendance F: V: T:	Item	
82	B9.2 Special attendance F: V: T:	Item	
83	B9.3 Commissioning - fuel, water and electricity F: V: T:	Item	
	<u>B10.0 FINANCIAL ASPECTS</u>		
84	B10.1 Statutory taxes, duties and levies F: V: T:	Item	
85	B10.2 Payment for preliminaries F: V: T:	Item	
86	B10.3 Adjustment of preliminaries F: V: T:	Item	
87	B10.4 Payment certificate cash flow F: V: T:	Item	
	<u>B11.0 GENERAL</u>		
88	B11.1 Protection of the works F: V: T:	Item	
89	B11.2 Protection / isolation of existing / sectionally occupied works F: V: T:	Item	
90	B11.3 Security of the works F: V: T:	Item	
91	B11.4 Notice before covering work F: V: T:	Item	
92	B11.5 Disturbance F: V: T:	Item	
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93	B11.6 Environmental disturbance F: V: T:	Item	
94	B11.7 Works cleaning and clearing F: V: T:	Item	
95	B11.8 Vermin F: V: T:	Item	
96	B11.9 Overhand work F: V: T:	Item	
97	B11.10 Instruction manuals and guarantees F: V: T:	Item	
98	B11.11 As built information F: V: T:	Item	
99	B11.12 Tenant installations F: V: T:	Item	
<u>B12.0 SCHEDULE OF VARIABLES</u>			
<u>B12.1 Pre-tender information:</u>			
Information necessary for making choices and completion of those clauses contained in the schedule which are necessary for tender purposes is given hereunder. Where no information is given it shall mean that either no details or specific requirements are available. Where any item is not relevant to this specific contract, such item is marked N/A (signifying "Not Applicable").			
12.1 PRE TENDER INFORMATION			
12.1.1 Provisional Bills of Quantities			
[2.2] The quantities are provisional			
YES			
12.1.2 Availability of construction documentation			
[2.3] Construction of documentation is complete			
YES			
12.1.3 Interest of agents			
[2.4] Details: N/A			
12.1.4 Defined works area			
[3.1] Details:			
The area of the works to be occupied by the contractor, any restriction on the area and the limit of access or exit will be pointed out to the contractor by the principal agent at the compulsory site inspection meeting if applicable or on handing over of the site.			
12.1.5 Geotechnical investigation			
[3.2] Details:			
The report is annexed to this document.			
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12.1.6 Existing premises occupied

[3.4] Specific requirements:

The contractor, where executing repairs and renovations to existing classroom blocks that are in use and occupied, shall be limited to executing works in three classrooms at any given time. These classrooms shall be completed to the stage of first delivery before further commencing execution of works on other existing classrooms. The contractor shall make provision in his program for relocating the occupants of the building to completed sections before commencement with work on subsequent sections.

The contractor shall in liaison with the occupants and as directed by the principal agent, move, temporarily store, protect, clean and later place all loose furniture and fittings, equipment, etc in their original position as necessary for the execution of the works. The contractor shall provide, maintain and remove on completion a temporary container for the proper storage of furniture, etc of at least three classrooms during the execution of the works.

12.1.7 Previous work - dimensional accuracy

[3.5] Details:

N/A

12.1.8 Previous work - defects

[3.6] Details:

N/A

12.1.9 Services - known

[3.7] Details:

Existing known services on the site are shown on drawings or will be pointed out on the site by the principal agent.

12.1.10 Protection of trees

[3.9] Specific requirements:

12.1.11 Inspection of adjoining properties

[3.11] Specific requirements:

12.1.12 Enclosure of the works

[6.2] Specific requirements:

12.1.13 Offices

[6.4.3] Specific requirements:

The office accommodation for meetings held on site shall be insulated and ventilated, provided with electric lighting and fitted with suitable table, chairs, etc to accommodate at least twelve people.

12.1.14 Main notice board

[6.5] Specific requirements:

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

12.1.15 Subcontractors' notice board

[6.6] Specific requirements:

NO

12.1.16 Water

[7.2] Option A (by contractor)

YES

12.1.17 Electricity

[7.3] Option A (by contractor)

12.1.18 Telecommunications

[7.4] Telephone

YES

12.1.19 Ablution facilities

[7.5] Option A (by contractor)

YES

12.1.20 Protection of existing/sectionally occupied works

[11.2] Protection is required

YES

12.1.21 Special attendance

[9.2] Subcontractor (1) details:

N/A

Subcontractor (2) details:

N/A

Subcontractor (3) details:

N/A

Subcontractor (4) details:

N/A

12.1.22 Protection of works

[11.1] Specific requirements:

12.1.23 Disturbance

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[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. Noise and dust due to repairs and renovations to existing classrooms, etc shall be contained within the areas executed at any one time and workers shall not disturb occupants of adjoining classrooms, etc. 12.1.24 Environmental disturbance [11.6] Specific requirements: <u>SECTION C: SPECIFIC PRELIMINARIES</u>		
100	C1 CONTRACT DRAWINGS 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 Should any part of the drawings not be clearly intelligible to the tenderer he shall, before submitting his tender, obtain clarification in writing from the principal agent F: V: T:	Item
101	C2 GENERAL PREAMBLES The document "Specification of Materials and Methods to be used (PW371)" is obtainable on request from the head office and all regional offices of the Department, and shall be read in conjunction with the bills of quantities and be referred to for the full descriptions of work to be done and materials to be used F: V: T:	Item
102	C3 TRADE NAMES Wherever a trade name for any product has been described in the bills of quantities, the tenderer's attention is drawn to the fact that any other product of equal quality may be used subject to the written approval of the principal agent being obtained prior to the closing date for submission of tenders If prior written approval for an alternative product is not obtained, the product described shall be deemed to have been tendered for F: V: T:	Item
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103	C4 IMPORTED MATERIALS AND EQUIPMENT Where imported items are listed in the tender documents, the tenderer shall provide all the information called for, failing which the price of any such item, materials or equipment shall be excluded from currency fluctuations. (refer to Schedule of Imported Materials and Equipment (DPW23EC) to be completed by tenderer) Notwithstanding any provisions elsewhere regarding the adjustment of contract prices, the price of any item, material or equipment listed in terms of this clause shall be excluded from the Contract Price Adjustment Provisions (if applicable) F: V: T:	Item
104	C5 HIV/AIDS AWARENESS It is required of the contractor to thoroughly study the HIV/AIDS Specification (PW 1544) of the Department that must be read together with and is deemed to incorporated under this Section of the Bills of Quantities. Provision for pricing of HIV/AIDS awareness is made under items C5.1 to C5.5 hereafter and it is explicitly pointed out that all requirements of the aforementioned specification are deemed to be priced hereunder, as the said items represent the only method of measurement and no additional items or extras to the contract in this regard shall be entertained The contractor must take note that compliance with the HIV/AIDS Specification is compulsory. In the event of partial or total non-compliance, the principal agent, notwithstanding the provisions of Clause A 31 of "Section 1: Preliminaries (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 F: V: T:	Item
105	C5.1 AWARENESS CHAMPION Selection, appointment, briefing and making available of an Awareness Champion	
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	including provision of all relevant services, all in accordance with the HIV/AIDS Specification F: V: T:	Item	
106	C5.2 AWARENESS WORKSHOPS Selection and appointment of a competent Service Provider approved by the principal agent, provision of a Service Provider Workshop Plan and a suitable venue, conducting of awareness workshops by means of traditional and/or modern multi-media techniques, including follow-up courses, making available all tuition material and performing assessment procedures, all in accordance with the HIV/AIDS Specification F: V: T:	Item	
107	C5.3 POSTERS, BOOKLETS, VIDEOS, ETC. Provision, displaying, maintaining and replacing when necessary of four plastic laminated posters, booklets and educational videos, etc. for the duration of the construction period, all in accordance with the HIV/AIDS Specification F: V: T:	Item	
108	C5.4 ACCESS TO CONDOMS Provision and maintenance of condom dispensers fixed in position, including male and female condoms, replenishing male and female condoms on a daily basis as required for the duration of the construction period, all in accordance with the HIV/AIDS Specification F: V: T:	Item	
109	C5.5 MONITORING Monitoring HIV/AIDS awareness of workers, providing the principal agent with access to information including making available all reports, thoroughly completed and reflecting the correct information, for the duration of the construction period and close out, all in accordance with the HIV/AIDS Specification F: V: T:	Item	
110	COVID-19 Compliance F: V: T:	Item	
<u>Section C contains specific preliminary items which apply to this contract except where N/A (Not Applicable) appears against an item</u> <u>SECTION No. 1</u> <u>BILL No. 1</u>			
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Section No. 1 Bill No. 1 Preliminaries			

SECTION NO. 1
PRELIMINARIES
SECTION SUMMARY

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SECTION NO. 2

DEMOLITIONS

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 2</u>				
<u>DEMOLITIONS</u>				
<u>BILL NO. 1</u>				
<u>DEMOLITIONS</u>				
<u>PREAMBLES</u>				
<u>For Trade Preambles refer to Department of Public Works 'PW 371' for Specifications and methods to be used and for the full descriptions of material and work to be done in this bill</u>				
<u>DEMOLITIONS ETC.</u>				
<u>Demolishing and removing:</u>				
1 Existing structure with sand pit built from brickwork size 4m x 2m x 2m high including carting away and deposit nearest dumping site.	No	1		
2 Existing structure with sitting area built from brickwork size 5m x 5m x 2.5m high including carting away and deposit nearest dumping site.	No	2		
3 Existing community built structure size 7m x 4m x 2.7m high including carting away and deposit nearest dumping site.	No	1		
4 Existing community built structure size 14m x 5m x 3m high including carting away and deposit nearest dumping site.	No	1		
5 Existing community built structure size 6m x 2m x 2.7m high including carting away and deposit nearest dumping site.	No	1		
6 Existing welded mesh fence 1.8mm high	m	185		
Carried to Final Summary			R	
Section No. 2				
Bill No. 1				
Demolitions				

SECTION NO. 3
CLASSROOMS

		Unit	Quantity	Rate	Amount
	<u>Extra over excavations other than bulk in earth for excavation in:</u>				
2	Soft rock.	m ³	13		
3	Hard rock.	m ³	8		
	<u>Risk of collapse of excavations other than bulk:</u>				
4	Sides of trench and hole excavations not exceeding 1,5m deep.	m ²	1 251		
	<u>CARTING AWAY.</u>				
	<u>Extra over all excavations for loading, carting and dumping surplus excavated material (no allowance made for increase in bulk):</u>				
5	Off site to a dumping site to be found by the Contractor (Labour Intensive).	m ³	52		
	<u>EARTH FILLING, ETC.</u>				
	<u>Filling with material from the excavations compacted to a density of at least 95% Mod. AASHTO maximum density:</u>				
6	Under floors, pavings, etc. (Labour Intensive).	m ³	55		
7	Backfilling to trenches, holes, etc. (Labour Intensive).	m ³	78		
	<u>Filling with approved material supplied and carted onto site by the Contractor, compacted to a density of at least 95% Mod. AASHTO maximum density:</u>				
8	Under floors, pavings, etc. (Labour Intensive).	m ³	68		
	<u>Coarse river sand filling compacted to 95% Mod. AASHTO maximum density:</u>				
9	Under floors, etc. (Labour Intensive).	m ³	87		
	<u>Surface Preparation:</u>				
10	Trim and level off surface of ground (excavated or filled under this Contract) to receive concrete surface beds, aprons, etc, including excavating or filling, ripping and scarifying as necessary and compacting the whole area for a depth of 150mm to a density of at least 95% Mod. AASHTO maximum density. (Labour Intensive).	m ²	920		
	<u>KEEPING EXCAVATIONS FREE OF WATER</u>				
	<u>Keeping excavations free of water:</u>				
11	Keeping excavations free of all water.	Item			
	Carried to Collection			R	
	Section No. 3				
	Bill No. 1				
	Earthworks (provisional)				

BILL NO. 1
EARTHWORKS (PROVISIONAL)
COLLECTION

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Section No. 3
Bill No. 1
Earthworks (provisional)

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 3</u> <u>CLASSROOMS</u> <u>BILL NO. 2</u> <u>CONCRETE, FORMWORK AND REINFORCEMENT</u> <u>PREAMBLES</u> For Trade Preambles refer to Department of Public Works 'PW 371' for Specifications and methods to be used and for the full descriptions of material and work to be done in this bill <u>SUPPLEMENTARY PREAMBLES</u> Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. Items, materials or methods of similar quality may be used with prior approval from the Architect. The costs of making, storing and testing of concrete test cubes as required under clause 7 'Tests' of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the Architect. The testing shall be undertaken by an independent firm or institution nominated by the Contractor to the approval of the Architect. (Test cubes are measured separately). <u>Formwork:</u> Descriptions of formwork shall be deemed to include use and waste only (except where described as left in or permanent), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use. The vertical strutting shall be carried down to such construction as is sufficiently strong to afford the required support without damage and shall remain in position until the newly constructed work is able to support itself. Formwork to soffits of solid slabs etc., shall be deemed to be to slabs not exceeding 250mm thick unless otherwise described.				
Carried to Collection			R	
Section No. 3 Bill No. 2 Concrete, Formwork And Reinforcement				

	Unit	Quantity	Rate	Amount
Formwork to sides of bases, pile caps, ground beams, etc., will only be measured where it is prescribed by the Engineer for design reasons. Formwork necessitated by irregularity or collapse of excavated faces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavations, provision for which is made in Earthworks.				
<u>UNREINFORCED CONCRETE</u>				
<u>25Mpa/19mm Concrete</u>				
1 Surface beds cast in panels on waterproofing (Labour Intensive).	m ³	36		
<u>REINFORCED CONCRETE</u>				
<u>25 MPa/19mm Concrete:</u>				
2 Surface beds cast in panels on waterproofing (Labour Intensive).	m ³	46		
<u>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>				
<u>25Mpa/19mm Concrete</u>				
3 Strip footings (Labour Intensive).	m ³	45		
<u>ROUGH FORMWORK (DEGREE OF ACCURACY II)</u>				
<u>Rough Formwork to Sides:</u>				
4 Edges, risers, ends and reveals not exceeding 300mm high or wide.	m	174		
<u>MOVEMENT JOINTS, ETC</u>				
<u>Expansion Joints with softboard between vertical concrete surfaces:</u>				
5 10mm Joints with top corners finished 5mm radius not exceeding 300mm high.	m	460		
<u>Expansion Joints with softboard between vertical concrete and brick surfaces:</u>				
6 10mm Joints not exceeding 300mm high.	m	160		
<u>REINFORCEMENT (PROVISIONAL)</u>				
<u>Fabric reinforcement:</u>				
7 Type 245 fabric reinforcement in concrete surface beds, slabs, etc.	m ²	360		
Carried to Collection			R	
Section No. 3				
Bill No. 2				
Concrete, Formwork And Reinforcement				

BILL NO. 2
CONCRETE, FORMWORK AND REINFORCEMENT
COLLECTION

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Section No. 3
Bill No. 2
Concrete, Formwork And Reinforcement

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 3</u> <u>CLASSROOMS</u> <u>BILL NO. 3</u> <u>MASONRY</u> <u>PREAMBLES</u> For Trade Preambles refer to Department of Public Works 'PW 371' for Specifications and methods to be used and for the full descriptions of material and work to be done in this bill <u>SUPPLEMENTARY PREAMBLES</u> Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. Items, materials or methods of similar quality may be used with prior approval from the Architect. <u>Brickwork</u> <u>Sizes in descriptions:</u> Where sizes in descriptions are given in brick units, 'one brick' shall represent the length and 'half brick' the width of a brick. <u>Cement Mortar</u> Unless otherwise described, all brickwork shall be built in class II cement mortar <u>Walls etc:</u> Walls in two skins described as 'bagged and sealed' shall be deemed to include having the outer face of the inner skin bagged with 1:6 cement and sand mixture and sealed with two coats 'Brixal' bitumen emulsion waterproofing coating. <u>Face bricks:</u> Bricks shall be ordered timeously to obtain uniformity in size and colour <u>Pointing:</u> Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc. <u>BRICKWORK IN FOUNDATIONS (PROVISIONAL)</u> <u>Brickwork of concrete bricks in Class II mortar:</u>				
1	m ²	211		
2	m ²	135		
Carried to Collection			R	
Section No. 3 Bill No. 3 Masonry				

		Unit	Quantity	Rate	Amount
<u>BRICKWORK IN SUPERSTRUCTURE</u>					
<u>Brickwork of NFP bricks in class II cement mortar:</u>					
3	Half brick walls in beamfilling.	m ²	29		
4	One brick walls.	m ²	558		
5	One brick walls of two half brick skins bagged and sealed.	m ²	170		
<u>BRICKWORK SUNDRIES</u>					
<u>Brickwork sundries:</u>					
<u>Joint forming material in movement joints:</u>					
6	12mm Bitumen impregnated fibre board built in vertically through brick walls.	m ²	558		
<u>Brickwork reinforcement:</u>					
7	150mm Wide reinforcement built in horizontally.	m	3 252		
8	150mm Wide reinforcement built in horizontally in foundations. (Provisional)	m	1 674		
<u>Prestressed fabricated lintels:</u>					
9	110 x 75mm Lintels in lengths not exceeding 3m.	m	224		
<u>Galvanised wire ties, etc:</u>					
10	4mm Diameter roof tie 2m girth bent double with one end fixed to timber and other end built into brickwork.	No	64		
<u>Galvanised hoop iron cramps, ties, etc:</u>					
11	30 x 1,6mm Cramp 500mm long with one end fixed to wood and other end built into brickwork.	No	84		
<u>FACE BRICKWORK</u>					
<u>Internal Facebrick:</u>					
<u>Allow the prime cost amount of R 7 000.00 (Seven Thousand Rands excluding VAT) net per thousand for internal face bricks, supplied and delivered to site and add for taking delivery, storage, waste, profit, building in and pointing with square recessed horizontal and vertical joints:</u>					
12	Extra over brickwork for face brickwork.	m ²	242		
13	Extra over brickwork for brick-on-flat header course band projecting 12mm from face brick below.	m	180		
Carried to Collection				R	
Section No. 3					
Bill No. 3					
Masonry					

		Unit	Quantity	Rate	Amount
<u>External Facebrick:</u> <u>Allow the prime cost amount of R 6 000.00 (Six thousand rands excluding VAT) nett per thousand for external face bricks, supplied and delivered to site and add for taking delivery, storage, waste, profit, building in and pointing with square recessed horizontal and vertical joints:</u>					
14	Extra over brickwork for face brickwork.	m ²	465		
15	Extra over brickwork for face brickwork in foundations (Provisional).	m ²	422		
16	Extra over brickwork for face brickwork in piers.	m ²	54		
17	Extra over brickwork for brick-on-edge cut header course lintol pointed on face and 110mm soffit.	m	368		
18	Fair raking cutting.	m	32		
<u>Allow the prime cost amount of R 6 000.00 (Six thousand rands excluding VAT) nett per thousand for brick-on-edge header course copings, sills, etc, supplied and delivered to site and add for taking delivery, storage, waste, profit, building in and pointing with square recessed joints on all exposed faces:</u>					
<u>Note:</u> First and last bricks of sills to be solid.					
19	220mm Wide cut sill set sloping and slightly projecting.	m	248		
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BILL NO. 3
MASONRY
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Section No. 3
Bill No. 3
Masonry

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 3</u>				
<u>CLASSROOMS</u>				
<u>BILL NO. 4</u>				
<u>WATERPROOFING</u>				
<u>PREAMBLES</u>				
For Trade Preambles refer to Department of Public Works 'PW 371' for Specifications and methods to be used and for the full descriptions of material and work to be done in this bill				
<u>SUPPLEMENTARY PREAMBLES</u>				
Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. Items, materials or methods of similar quality may be used with prior approval from the Architect.				
<u>DAMPPROOFING OF WALLS AND FLOORS</u>				
<u>One layer of 375 micron Consol Plastics Brikgrip DPC embossed damp proof course:</u>				
1 In walls.	m ²	57		
<u>One layer of 250 micron Consol Plastics Gunplas USB Green waterproof sheeting sealed at laps with Gunplas Pressure Sensitive Tape:</u>				
2 Under surface beds.	m ²	992		
<u>JOINT SEALANTS, ETC</u>				
<u>Polysulphide sealing compound including backing cord, bond breaker, primer, etc</u>				
3 10 x 10mm In expansion joints including raking out expansion joint filler as necessary.	m	1 250		
4 10 x 12mm In vertical expansion joints including raking out expansion joint filler as necessary.	m	161		
			R	
Carried To Section Summary				
Section No. 3				
Bill No. 4				
Waterproofing				

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	Unit	Quantity	Rate	Amount
All debris, swarf, etc. arising from the fixing of the cladding shall be removed from the sheeting as the fixing progresses. In addition, off-cuts of insulation, surplus fasteners and sealants, mandrels from pop rivets, off-cuts of flashings and sheeting, surplus flashing, food packaging, cartons, bottles, cans, etc shall not be left on the roof or in the gutters. Care shall be taken to ensure that no such material enters, blocks or partially impedes the flow of water into the outlets, down pipes, etc. <u>0,8mm continuous " S " PROFILE galvanised roof sheeting with LEAK KING roofing screws. Mastic sealant at sides laps. SONDOR corrugated pattern Polyclosers under ridge capping and at beam filling. Determine the direction of winds before laying sheets. Sheets to project minimum of beyond purlins at eaves. Holes in sheets to be drilled not punched. Sheets are to be fixed to 76 x 50mm purlins spaced as indicated at max. 1140mm on timber roof trusses. SASILATION RSA 420 underlay over trusses and under purlins on training tape. Prefabricated cleated roof trusses or site manufactured to engineers detail. Roof to be tied down to walls with 30mm x 1.6mm thick and 1.6m long galvanised hoop iron straps built in. Hurricane clips to be used at eave overhangs. At all other purlin/tuss intersections double wound 2.5mm galvanised wire. All exposed roof timber to be painted with 2 coats ABE PROVONITE before fixing roof sheets, fascias and bargeboards.</u>				
1	m ²	1 411		
<u>Flashings:</u>				
2	m	84		
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Section No. 3				
Bill No. 5				
Roof Coverings				

BILL NO. 5
ROOF COVERINGS
COLLECTION

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Section No. 3
Bill No. 5
Roof Coverings

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 3</u> <u>CLASSROOMS</u> <u>BILL NO. 6</u> <u>CARPENTRY AND JOINERY</u> <u>PREAMBLES</u> For Trade Preambles refer to Department of Public Works 'PW 371' for Specifications and methods to be used and for the full descriptions of material and work to be done in this bill <u>SUPPLEMENTARY PREAMBLES</u> Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. Items, materials or methods of similar quality may be used with prior approval from the Architect. <u>Particle board:</u> Particle board shall comply with the following specifications: a) SABS 1300 Particle board: exterior and flooring type b) SABS 1301 Particle board: interior type. <u>Joinery:</u> Descriptions of frames shall be deemed to include frames, transoms, mullions, rails, etc. Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes. <u>Fixing:</u> Items described as nailed shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete. <u>Decorative laminate finish:</u> Laminate finish shall be glued under pressure. Edge strips shall be butt jointed at junctions with adjacent similar finish. <u>Gangnail Roof Trusses</u> Note: The contractor will be required to provide a certificate of approval signed by a registered engineer certifying that the trusses have been designed, manufactured and installed in accordance with the relevant SABS specifications.				
Carried to Collection				
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Bill No. 6				
Carpentry And Joinery				
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	Unit	Quantity	Rate	Amount
<u>Plate nailed timber roof truss construction:</u>				
The following is applicable in respect of roof trusses: Trusses are 18 degree pitch at maximum 1100mm centres Roof covering is Custom Orb roof sheeting on 50 x 70mm purlins Ceilings are 4mm sheeting on 38 x 50mm brandering The dimensions in the descriptions of the trusses are nominal and actual measurements are to be obtained from the Architect and/or the site before design or fabrication commences.				
<u>Sawn softwood:</u>				
1 Double pitch roof truss with 7500mm span with 600mm eaves overhang one side and other side with 2500mm extended top chord.	No	90		
<u>ROOF CONSTRUCTION</u>				
<u>Sawn softwood grade 5:</u>				
2 38 x 114mm Cross bracing (Provisional).	m	450		
3 38 x 114mm Wall plates.	m	780		
4 50 x 76mm Longitudinal bracing (Provisional).	m	200		
5 50 x 76mm Purlins.	m	550		
<u>Wrought softwood grade 5:</u>				
6 50 x 76mm Purlins.	m	1 219		
7 76 x 76mm Splayed purlins.	m	810		
<u>Laminated S.A. Pine:</u>				
8 50 x 228mm Beams in lengths exceeding 3,90m and not exceeding 6,60m long.	m	396		
<u>ROOF SUNDRIES</u>				
<u>Sundries:</u>				
9 650mm Long wrought end to rafter and splay cut.	No	529		
10 2400mm Long wrought end to rafter and splay cut.	No	506		
11 Hurricane clips to secure rafter and purlin.	No	2 640		
12 Hurricane clips to secure rafter and beam.	No	506		
<u>EAVES, VERGES, ETC</u>				
<u>Everite FC77 pressed fibre-cement:</u>				
13 15 x 225mm Fascias including galvanised steel H-profile jointing strips.	m	432		
Carried to Collection			R	
Section No. 3 Bill No. 6 Carpentry And Joinery				

		Unit	Quantity	Rate	Amount
14	80 x 275mm Barge boards including galvanised steel H-profile jointing strips.	m	506		
	<u>SKIRTINGS</u>				
	<u>Wrought meranti:</u>				
15	19 x 75mm Skirting including 19mm quadrant bead nailed.	m	864		
	<u>FRAMED DOORS ETC</u>				
	<u>Wrought meranti doors:</u>				
16	44mm Framed batten door 813 x 2032mm high of 44 x 108mm top rail and stiles, 22 x 108mm middle ledge and braces and 22 x 220mm bottom rail filled in with 22mm V-jointed one side boarding and covered on other side with 6mm plywood with veneer to match door let into and including rebates all round and 76 x 76mm shaped weatherboard..	No	4		
	<u>FRAMED FRAMES ETC</u>				
	<u>Wrought meranti:</u>				
17	70 x 108mm Rebated frames.	m	336		
	<u>BEADS, ARCHITRAVES, ETC</u>				
	<u>Wrought meranti:</u>				
18	19mm Quadrant beads.	m	882		
	<u>NOTICE BOARDS, PINNING BOARDS, KEYBOARDS, DUCKBOARDS, ETC</u>				
	<u>Wrought meranti:</u>				
19	32 x 50mm Rebated surround plugged to walls with heads of screws sunk and pelleted.	m	472		
20	32 x 50mm Twice rebated transome plugged to walls with heads of screws sunk and pelleted.	m	69		
	<u>Softboard:</u>				
21	12mm Softboard pinning board glued to walls with an approved adhesive, including all square cutting and waste.	m ²	486		
Carried to Collection				R	
Section No. 3					
Bill No. 6					
Carpentry And Joinery					

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CARPENTRY AND JOINERY
COLLECTION

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Section No. 3
Bill No. 6
Carpentry And Joinery

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 3</u> <u>CLASSROOMS</u> <u>BILL NO. 7</u> <u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u> <u>PREAMBLES</u> For Trade Preambles refer to Department of Public Works 'PW 371' for Specifications and methods to be used and for the full descriptions of material and work to be done in this bill <u>SUPPLEMENTARY PREAMBLES</u> Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. Items, materials or methods of similar quality may be used with prior approval from the Architect. <u>Descriptions:</u> Items described as nailed shall be deemed to be fixed with hardened steel nails or pins or shot pinned to brickwork or concrete. Items described as plugged shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres, and where described as bolted the bolts have been given. <u>NAILED UP AND SCREW UP CEILINGS</u> <u>6.4mm 'Everite Nutec' plain ceiling boards,manufactured in accordance with SANS 9001:2000 carrying SANS 803:2005 mark, fixed to 38 x 50mm battens at 600mm centers using 32 x 2.5mm serrated ceiling nails at 150mm centres, minimum of 12mm from edge of board. All joints to be covered using H-profile steel joining strips, all in accordance with the manufactureres recommendations:</u>				
1	m ²	360		
2	No	15		
3	m	2 599		
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Section No. 3				
Bill No. 7				
Ceilings, Partitions And Access Flooring				

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 3</u> <u>CLASSROOMS</u> <u>BILL NO. 8</u> <u>FLOOR COVERINGS, WALL LININGS, ETC.</u> <u>PREAMBLES</u> For Trade Preambles refer to Department of Public Works 'PW 371' for Specifications and methods to be used and for the full descriptions of material and work to be done in this bill <u>SUPPLEMENTARY PREAMBLES</u> Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. Items, materials or methods of similar quality may be used with prior approval from the Architect. <u>VINYL FLOOR COVERINGS, WALL LININGS, ETC.</u> <u>2,5mm Thick approved semi-flexible vinyl floor tiles size 300 x 300mm laid and bonded to screeded surfaces with approved adhesive:</u>				
1 On floors.	m ²	600		
<u>POLISH, SEALERS, ETC</u> <u>Polish, sealers, etc:</u>				
2 Three coats water based floor dressing on vinyl flooring.	m ²	1 380		
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Section No. 3 Bill No. 8 Floor Coverings, Wall Linings, Etc.				

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 3</u> <u>CLASSROOMS</u> <u>BILL NO. 9</u> <u>IRONMONGERY</u> <u>PREAMBLES</u> For Trade Preambles refer to Department of Public Works 'PW 371' for Specifications and methods to be used and for the full descriptions of material and work to be done in this bill <u>SUPPLEMENTARY PREAMBLES</u> Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. Items, materials or methods of similar quality may be used with prior approval from the Architect. <u>Finishes to ironmongery:</u> Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list: BS Satin bronze lacquered : CH Chromium plated : SC Satin chromium plated : SE Silver enamelled : GE Grey enamelled : AS Anodised silver : AB Anodised bronze : AG Anodised gold : ABL Anodised black : PB Polished brass : PL Polished and lacquered : PT Epoxy coated. <u>IRONMONGERY</u>				
1	No	4		
2	No	4		
3	No	4		
4	No	16		
5	No	8		
6	No	4		
7	No	24		
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Section No. 3				
Bill No. 9				
Ironmongery				

All sign plates, and door numbers are to be with engraved blue perspex all in accordance with the standard signplates for Schools.

8	Door number with one numeral 50mm drilled and screwed to door with chromium plated dome headed screws.
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PINNING BOARDS, WRITING BOARDS, PROJECTION SCREENS, ETC

Vitrex Systems 2000:

9	Green writing board 4800 x 1190mm high with chalk rail plugged.
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Bill No. 9

Ironmongery

BILL NO. 9
IRONMONGERY
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Ironmongery

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 3</u> <u>CLASSROOMS</u> <u>BILL NO. 10</u> <u>METALWORK</u> <u>PREAMBLES</u> For Trade Preambles refer to Department of Public Works 'PW 371' for Specifications and methods to be used and for the full descriptions of material and work to be done in this bill <u>SUPPLEMENTARY PREAMBLES</u> Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. Items, materials or methods of similar quality may be used with prior approval from the Architect. <u>Descriptions:</u> Descriptions of bolts shall be deemed to include nuts and washers. Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete. Metalwork described as holed for bolt(s) shall be deemed to exclude the bolts unless otherwise described. <u>SUNDRY GALVANIZED STEELWORK</u> <u>Bolts:</u>				
1 Bolts.	Kg	128		
2 M10 Stud anchors in concrete.	No	112		
3 390 x 180 x 6mm Shaped connector plate, four times holed for bolts and welded to post (bolts and holes elsewhere measured).	No	24		
4 60 x 60 x 2mm Hollow section post 2 750mm long with 70 x 160 x 8mm baseplate welded on to bottom end and top end having 70 x 8mm thick x 500mm girth channel-shaped bracket four times holed for bolts (elsewhere measured) welded on including setting up in position.	No	28		
<u>HOT DIPPED GALVANIZED STEEL WINDOWS, DOORS, ETC.</u> NOTE : Prices are to include for pointing all round windows externally with silicone sealant after building in.				
Carried to Collection			R	
Section No. 3 Bill No. 10 Metalwork				

	Unit	Quantity	Rate	Amount
<u>Standard industrial windows with NBP2 burglar bars to opening sashes:</u>				
5 Window type SS33, 987 x 1445mm high (W1).	No	32		
<u>Standard industrial composite windows with NBP2 burglar bars to opening sashes:</u>				
6 Window type SS31/SSF/31, 987 x 978mm high (W2).	No	24		
<u>EPOXY COATED STEEL CUPBOARD</u>				
<u>"Insight"</u>				
7 Steel cupboard complete with four shelves and double lockable doors with epoxy powder coated finish Code CU10, overall size 450mm x 900mm x 1800mm high.	No	4		
<u>ALUMINIUM ROLLER SHUTTER DOORS ETC</u>				
<u>Natural anodised aluminium slatted roller shutter door fixed to brickwork or concrete:</u>				
8 Crank operated roller shutter door for 7000mm x 2400mm high opening.	No	1		
Carried to Collection			R	
Section No. 3				
Bill No. 10				
Metalwork				

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BILL NO. 10
METALWORK
COLLECTION

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Section No. 3
Bill No. 10
Metalwork

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	Unit	Quantity	Rate	Amount
<u>SECTION NO. 3</u> <u>CLASSROOMS</u> <u>BILL NO. 12</u> <u>PLUMBING AND DRAINAGE (PROVISIONAL)</u> <u>PREAMBLES</u> <u>PLUMBING AND DRAINAGE</u> <u>Rainwater disposal</u> <u>Seamless aluminium gutter with PVF coating:</u>				
1 150 x 150 x 0.8mm VHV eaves gutters fixed to falls on and including aluminium gutter brackets spaced not exceeding 0,5m centres.	m	96		
2 Extra over eaves gutter for stopped end.	No	16		
3 Extra over 150mm eaves gutter for outlet for 80mm pipe.	No	16		
<u>'Marley Streamline' uPVC (SABS 11) Gutter System:</u>				
4 80mm diameter socketed rainwater pipes (code DPH 310) fixed to pipe clips (code DC 302) at 1000mm centres.	m	96		
5 Extra over 80mm rainwater pipe for shoe (code DS 30).	No	184		
6 Extra over 80mm rainwater pipe for eaves or plinth offset 450 mm projection formed of two bends (code DNB 30) and short length of socketed pipe (code DPH 310).	No	64		
Carried To Section Summary			R	
Section No. 3				
Bill No. 12				
Plumbing And Drainage (provisional)				

		Unit	Quantity	Rate	Amount
<u>SECTION NO. 3</u>					
<u>CLASSROOMS</u>					
<u>BILL NO. 13</u>					
<u>GLAZING</u>					
<u>PREAMBLES</u>					
For Trade Preambles refer to Department of Public Works 'PW 371' for Specifications and methods to be used and for the full descriptions of material and work to be done in this bill					
<u>SUPPLEMENTARY PREAMBLES</u>					
Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. Items, materials or methods of similar quality may be used with prior approval from the Architect.					
<u>GLAZING TO STEEL WITH PUTTY</u>					
<u>4mm Patterned glass:</u>					
1	Panes exceeding 0,1 m ² and not exceeding 0.5m ² .	m ²	32		
<u>4mm Clear float glass:</u>					
2	Panes exceeding 0,1 m ² and not exceeding 0.5m ² .	m ²	40		
				R	
Carried To Section Summary					
Section No. 3 Bill No. 13 Glazing					

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	Unit	Quantity	Rate	Amount
<u>SECTION NO. 3</u>				
<u>CLASSROOMS</u>				
<u>BILL NO. 14</u>				
<u>PAINTWORK</u>				
<u>PREAMBLES</u>				
For Trade Preambles refer to Department of Public Works 'PW 371' for Specifications and methods to be used and for the full descriptions of material and work to be done in this bill				
<u>SUPPLEMENTARY PREAMBLES</u>				
Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. Items, materials or methods of similar quality may be used with prior approval from the Architect.				
All work to be executed in strict accordance with the Manufacturers specifications and instructions.				
<u>PAINTWORK ETC TO NEW WORK</u>				
<u>ON PLASTER, ETC:</u>				
<u>Prepare surfaces, stop and remove all loose material, apply one coat 'Plascon plaster primer, one coat universal undercoat and two coats 'Plascon Wall and All Pure Acrylic' paint:</u>				
1 On plastered walls internally.	m ²	307		
<u>ON NUTEC / FIBRE-CEMENT, ETC.</u>				
<u>Prepare surfaces and remove all loose material, apply one coat primer and two coats interior quality PVA emulsion paint:</u>				
2 On ceilings and cornices.	m ²	256		
<u>Prepare surfaces and remove all loose material, apply one coat primer and two coats exterior quality PVA emulsion paint:</u>				
3 On external fascias and barge boards.	m ²	22		
<u>ON METAL</u>				
<u>Prepare surfaces and remove all loose material, dust, grease, salts and contamination and apply one coat calcium plumbate primer, one undercoat and two coats alkyd enamel paint on galvanised steel :</u>				
4 On windows with burglar bars.	m ²	186		
Carried to Collection			R	
Section No. 3 Bill No. 14 Paintwork				

		Unit	Quantity	Rate	Amount
5	On steel posts, etc not exceeding 300 mm girth.	m	168		
	<u>ON WOOD</u>				
	<u>Prepare surface and apply one coat wood primer:</u>				
6	On backs of timber frames not exceeding 300mm girth.	m	80		
	<u>Knot, prime, stop, sand down and prepare wood surfaces and apply one coat undercoat and two coats 'Plascon Super' enamel paint:</u>				
7	On doors.	m ²	76		
8	On door frames.	m ²	48		
9	On general surfaces of fittings.	m ²	328		
10	On general surfaces of timbers at eaves.	m ²	616		
11	On skirtings, rails, etc not exceeding 300mm girth.	m	896		
Carried to Collection				R	
Section No. 3					
Bill No. 14					
Paintwork					

BILL NO. 14
PAINTWORK
COLLECTION

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Section No. 3
Bill No. 14
Paintwork

Amount

SECTION NO. 3

CLASSROOMS

SECTION SUMMARY

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4	WATERPROOFING	3-12
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6	CARPENTRY AND JOINERY	3-20
7	CEILINGS, PARTITIONS AND ACCESS FLOORING	3-21
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9	IRONMONGERY	3-25
10	METALWORK	3-28
11	PLASTERING	3-29
12	PLUMBING AND DRAINAGE (PROVISIONAL)	3-30
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SECTION SUMMARY

SECTION NO. 4

RENOVATIONS TO EXISTING STRUCTURES

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 4</u>				
<u>RENOVATIONS TO EXISTING STRUCTURES</u>				
<u>BILL NO. 1</u>				
<u>ALTERATIONS</u>				
<u>ALTERATIONS</u>				
<u>Removal of existing work</u>				
<u>Taking out and removing doors, windows, etc.</u>				
1 813mm x 2032mm timber single doors including locks.	No	7		
<u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc:</u>				
2 Corrugated iron roof covering and timber purlins.	m ²	540		
3 Gypsum plasterboard ceiling including cornices, timber bandering, etc.	m ²	385		
<u>Taking down and removing rainwater goods:</u>				
4 Galvanised sheet iron half round eaves gutter and gutter brackets fixed to timber rafter ends.	m	119		
5 Galvanised sheet iron rainwater pipe fixed to walls.	m	12		
<u>Taking out and removing sundry joinery work:</u>				
6 Chalk writing board size 4730 x 1190mm high plugged to wall.	No	7		
7 Timber barge board fixed to roof timbers.	m	22		
<u>Hacking up/off and removing granolithic, screeds, plaster, etc from concrete or brickwork and preparing surfaces for new screeds, plaster, etc:</u>				
8 25mm Granolithic from floors.	m ²	240		
9 Internal plaster from walls and columns.	m ²	672		
10 External plaster from walls, columns and beams.	m ²	1 260		
<u>Taking out and removing glass and mirrors :</u>				
11 Glass from steel windows including cleaning out rebates and preparing for new glass.	m ²	103		
<u>Making good of finishes, etc.</u>				
<u>Making good internal cement plaster:</u>				
12 Walls in patches.	m ²	882		
Carried to Collection			R	
Section No. 4				
Bill No. 1				
Alterations				

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BILL NO. 1
ALTERATIONS
COLLECTION

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Carried To Section Summary

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Section No. 4
Bill No. 1
Alterations

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 4</u>				
<u>RENOVATIONS TO EXISTING STRUCTURES</u>				
<u>BILL NO. 2</u>				
<u>EARTHWORKS</u>				
<u>EARTHWORKS</u>				
<u>Keeping excavations free of water:</u>				
1	Item			
<u>Filling with material from the excavations compacted to a density of at least 93% Mod. AASHTO maximum density:</u>				
2	m ³	36		
<u>Filling with approved material supplied and carted onto site by the Contractor, compacted to a density of at least 95% Mod. AASHTO maximum density:</u>				
3	m ³	65		
<u>Coarse river sand filling supplied by the contractor:</u>				
4	m ³	18		
<u>Prescribed density tests on filling:</u>				
5	No	10		
Carried To Section Summary				R
Section No. 4				
Bill No. 2				
Earthworks				

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 4</u>				
<u>RENOVATIONS TO EXISTING STRUCTURES</u>				
<u>BILL NO. 3</u>				
<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>				
<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>				
<u>Unreinforced concrete</u>				
<u>25Mpa/19mm Concrete mass in:</u>				
1	m ³	22		
Surface beds.				
2	m ³	1		
Ramps.				
<u>Test blocks:</u>				
3	No	10		
Making and testing 150 x 150 x 150mm concrete strength test cubes by an approved laboratory.				
<u>Finishing top surface of concrete</u>				
<u>Finishing top surfaces of concrete to an evenly ribbed non-slip surface:</u>				
4	m ²	420		
Surface beds, slabs, etc.				
<u>Formwork</u>				
<u>Rough Formwork to Sides:</u>				
5	m	32		
Edges, risers, ends and reveals not exceeding 300mm high or wide.				
<u>Movement joints etc</u>				
<u>Expansion joints with bitumen impregnated softboard between vertical concrete or brick surfaces:</u>				
6	m	144		
10mm Joints not exceeding 300mm high.				
Carried To Section Summary			R	
Section No. 4				
Bill No. 3				
Concrete, Formwork And Reinforcement				

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 4</u>				
<u>RENOVATIONS TO EXISTING STRUCTURES</u>				
<u>BILL NO. 4</u>				
<u>MASONRY</u>				
<u>MASONRY</u>				
<u>Face brickwork copings, sills, etc.</u>				
<u>Face bricks prime cost of R6 000.00 per thousand excluding VAT delivered to the site.</u>				
<u>Brick-on-edge header course copings, sills, etc of face bricks pointed with recessed joints on all exposed faces:</u>				
1 Coping on top of one brick wall.	m	85		
			R	
Carried To Section Summary				
Section No. 4				
Bill No. 4				
Masonry				

		Unit	Quantity	Rate	Amount
<u>SECTION NO. 4</u> <u>RENOVATIONS TO EXISTING STRUCTURES</u> <u>BILL NO. 5</u> <u>WATERPROOFING</u> <u>WATERPROOFING</u> <u>One layer of 375 micron Consol Plastics Brikgrip DPC embossed damp proof course:</u>					
1	In walls.	m ²	3		
<u>One layer of 250 micron Consol Plastics Gunplas USB Green waterproof sheeting sealed at laps with Gunplas Pressure Sensitive Tape:</u>					
2	Under surface beds.	m ²	350		
<u>Joint sealants etc</u> <u>Two-part grey polysulphide sealing compound including backing cord, bond breaker, primer, etc.</u>					
3	10 x10mm In expansion joints in floors and walls including raking out expansion joint filler as necessary.	m	6		
Carried To Section Summary					R
Section No. 4					
Bill No. 5					
Waterproofing					

		Unit	Quantity	Rate	Amount
<u>SECTION NO. 4</u> <u>RENOVATIONS TO EXISTING STRUCTURES</u> <u>BILL NO. 6</u> <u>ROOF COVERINGS</u> <u>ROOF COVERINGS, ETC.</u> <u>0.6mm Corrugated 275 spelter galvanised sheet steel with "chromadek" finish on one side, including all cutting and waste, intersections, etc all fixed to manufacturers instructions to timber purlins or rails</u>					
1	Roof covering with pitch not exceeding 25 degrees.	m ²	495		
<u>Flashings etc:</u>					
2	Roll top ridge capping 462mm girth.	m	60		
Carried To Section Summary				R	
Section No. 4 Bill No. 6 Roof Coverings					

		Unit	Quantity	Rate	Amount
<u>SECTION NO. 4</u>					
<u>RENOVATIONS TO EXISTING STRUCTURES</u>					
<u>BILL NO. 7</u>					
<u>CARPENTRY AND JOINERY</u>					
<u>CARPENTRY AND JOINERY</u>					
<u>Roof timbers</u>					
<u>Sawn softwood grade 4:</u>					
1	30 x 114mm Longitudinal bracing (provisional).	m	85		
2	30 x 114mm Cross bracing (provisional).	m	100		
3	30 x 228mm Gang boarding.	m	81		
4	50 x 76mm Purlins.	m	202		
<u>Repairs to timber roof members including removing of damaged member and refixing of new member :</u>					
5	38 x 114mm Bolted roof truss member in lengths exceeding 2,4m and not exceeding 3,9m.	m	84		
6	50 x 114mm Bolted roof truss member in lengths exceeding 2,4m and not exceeding 3,9m.	m	100		
7	Mild steel screw bolts with heads, nuts and washers fixed to truss members in making good (fixing elsewhere measured).	Kg	15		
<u>Wrought softwood grade 4:</u>					
8	50 x 76mm Purlins.	m	188		
9	50 x 76mm Once splayed purlins.	m	188		
10	Extra on end of 38 x 114mm rafter for splay cut end.	No	30		
<u>Laminated S.A. pine:</u>					
11	75 x 170mm Beam in lengths exceeding 3,9m and not exceeding 6,6m long.	m	81		
<u>Sundries:</u>					
12	Fix only bolt through average 70mm softwood including drilling hole.	No	204		
Carried to Collection				R	
Section No. 4					
Bill No. 7					
Carpentry And Joinery					

		Unit	Quantity	Rate	Amount
	<u>Eaves, verges etc</u>				
	<u>Everite Flexit pressed nutec-cement:</u>				
13	15 x 225mm Fascia board drilled and brass screwed to and including 38 x 50 x 114mm long S.A. pine cleats screwed to rafter feet including galvanised steel H-profile jointing strips.	m	119		
14	85 x 275 x 6mm Barge board fixed to roof timbers including galvanised steel H-profile jointing strips, screws, holes etc.	m	44		
15	Extra on last for apex mitre.	No	8		
16	Ditto, splay cut end.	No	12		
	<u>Skirtings</u>				
	<u>Wrought meranti:</u>				
17	19 x 70mm Skirting with 19mm quadrant bead plugged including grouting solid at back against facings in cement mortar, cutting mitres, etc..	m	217		
	<u>Framed wrought hardwood doors etc</u>				
	<u>Wrought meranti doors hung to steel frames:</u>				
18	44mm Framed batten door 813 x 2032mm high of 44 x 146mm top rail and stiles, 22 x 146mm middle ledge and braces and 22 x 222mm bottom ledge filled in with 70 x 22mm T & G V-jointed one side boarding and covered on other side with 6mm marine ply panelling to match door let into and including rebates all round.	No	7		
	<u>Beads, architraves, etc</u>				
	<u>Wrought meranti:</u>				
19	50 x 100mm Rebated, splayed and grooved weather boards including grooves in doors.	m	6		
	<u>Bump rails</u>				
	<u>Wrought meranti:</u>				
20	25 x 200mm Twice angle rounded and twice rebated rail securely bolted to brickwork with and including 8 x 76mm expansion bolts at 300mm centres with heads of bolts countersunk and pelleted.	m	223		
	<u>Joinery sundries</u>				
	<u>Wrought meranti:</u>				
21	40 x 40mm Rebated and moulded picture rail plugged.	m	208		
	Carried to Collection			R	
	Section No. 4				
	Bill No. 7				
	Carpentry And Joinery				

		Unit	Quantity	Rate	Amount
	<u>Pinning boards</u>				
	<u>Wrought meranti:</u>				
22	22 x 44mm Rebated and moulded surrounds plugged to walls with heads of screws sunk and pelleted.	m	159		
23	22 x 44mm Twice rebated transome plugged to walls with heads of screws sunk and pelleted.	m	14		
	<u>Interior type particle board:</u>				
24	12mm Insulation board backing glued to walls with an approved adhesive, including all square cutting and waste, finish with and including two coats white PVA paint.	m ²	87		
	<u>Fittings</u>				
	<u>Sawn laminated softwood:</u>				
25	19mm Shelves.	m ²	21		
	<u>Wrought softwood:</u>				
26	19 x 46mm Cleats and bearers plugged.	m	97		
Carried to Collection					R
Section No. 4					
Bill No. 7					
Carpentry And Joinery					

BILL NO. 7
CARPENTRY AND JOINERY
COLLECTION

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Section No. 4
Bill No. 7
Carpentry And Joinery

		Unit	Quantity	Rate	Amount
<u>SECTION NO. 4</u>					
<u>RENOVATIONS TO EXISTING STRUCTURES</u>					
<u>BILL NO. 8</u>					
<u>CEILINGS PARTITIONS AND ACCESS FLOORING</u>					
<u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u>					
<u>4mm Everite Nutec fibre-cement boards with 19mm meranti convex mould cover strips:</u>					
1	Ceilings including 38 x 50mm sawn softwood brandering at 400mm centres.	m ²	385		
2	Extra over ceiling for 650 x 650mm trap door of 38 x 58mm wrought softwood rebated framing with one sawn softwood cross brander covered with ceiling board and fitted flush in opening.	No	4		
<u>'Rhino' Moulded Gypsum Cornices:</u>					
3	75mm Coved cornice nailed to walls including mitres, etc.	m	105		
Carried To Section Summary				R	
Section No. 4					
Bill No. 8					
Ceilings Partitions And Access Flooring					

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	Unit	Quantity	Rate	Amount
<u>SECTION NO. 4</u>				
<u>RENOVATIONS TO EXISTING STRUCTURES</u>				
<u>BILL NO. 10</u>				
<u>IRONMONGERY</u>				
<u>IRONMONGERY</u>				
<u>Hinges, bolts, etc</u>				
<u>Solid:</u>				
1	No	24		
100mm Steel hinge welded to steel doorframe.				
<u>Locks</u>				
2	No	8		
CB682-24-77SC three lever lockset with striking plate fixed to steel door frame.				
<u>Sign plates:</u>				
<u>Approved:</u>				
3	No	7		
80 x 60 x 3mm Thick perspex plate with one or two 30mm high engraved and painted letters or numerals twice drilled for and screwed to timber.				
4	No	3		
4mm Thick sign plates size 50mm high and of sufficient length to suit maximum 20 letters reverse engraved 32mm high of approved colour on approved colour background ditto.				
<u>Sundries</u>				
5	No	7		
CZ 8731 SC Door stop plugged to concrete floor.				
6	No	7		
32mm Diameter polished hardwood longarm 1,2m long with brass pole hook on one end, two broom clips each with 20 x 100 x 100mm wrought and chamfered hardwood block twice oiled and plugged and 20 x 70 x 70mm wrought and chamfered hardwood block with sinking twice oiled and plugged.				
7	No	7		
20mm Diameter chromium plated key ring with and including plastic keytag.				
<u>"Vitreous" chalk boards:</u>				
8	No	4		
2400 x 1200mm green chalk writing board including setting up and fixing to walls complete and securing bottom of each board with fixing brackets in accordance with the manufacturer's instructions, size 2400 x 1200mm high with aluminium chalk rail.				
Carried To Section Summary			R	
Section No. 4 Bill No. 10 Ironmongery				

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 4</u>				
<u>RENOVATIONS TO EXISTING STRUCTURES</u>				
<u>BILL NO. 11</u>				
<u>METALWORK</u>				
<u>METALWORK</u>				
<u>Welded screens, gates, etc.</u>				
<u>The following in Hot Dip Galvanised after fabrication mild steel framed and welded gate including all welding, cutting, drilling and grinding smooth:</u>				
1				
Single gate, formed of 8 x 44mm steel flat frame welded at angles, divided into three sections with two cross rails, 12mm diameter vertical bars at 70mm centres, hung on pair of socketted and pinned hinges with pin 18mm in diameter and bolted to brick wall and with 200mm locking bolt welded on, to suit clear opening size 850 x 2510mm high.				
	No	6		
2				
"Union 3122" heavy duty padlock.				
	No	6		
<u>EPOXY COATED STEEL CUPBOARD</u>				
<u>"Insight"</u>				
3				
Steel cupboard complete with four shelves and double lockable doors with epoxy powder coated finish code CU10, overall size 450mm x 900mm x 1800mm high.				
	No	6		
Carried To Section Summary				R
Section No. 4				
Bill No. 11				
Metalwork				

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 4</u>				
<u>RENOVATIONS TO EXISTING STRUCTURES</u>				
<u>BILL NO. 12</u>				
<u>PLASTERING</u>				
<u>PLASTERING</u>				
<u>Screeds</u>				
<u>Cement screeds on concrete floors</u>				
1	25mm Thick on floors to receive vinyl tiles.	m ²	300	
<u>Granolithic</u>				
<u>Untinted granolithic on concrete:</u>				
2	20mm Thick on floors and landings finished to a non-slip surface.	m ²	300	
3	25mm Thick on treads and risers of stairs including reedings.	m ²	9	
<u>External plaster</u>				
<u>One coat (5:1) cement plaster on brickwork or concrete finishes with a wood float:</u>				
4	On vertical surfaces including walls, columns, piers, etc.	m ²	728	
<u>Internal plaster:</u>				
5	On walls	m ²	784	
<u>Sundries:</u>				
6	Mortar filling between top of existing brickwork in beamfilling and underside of new corrugated profile roof sheeting.	m	191	
<u>Corner protectors, dividing strips, etc:</u>				
7	3 x 57mm Flat section brass dividing strips cut to lengths and bedding on edge in door openings including forming groove in top of concrete.	m	13	
Carried To Section Summary			R	
Section No. 4				
Bill No. 12				
Plastering				

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 4</u>				
<u>RENOVATIONS TO EXISTING STRUCTURES</u>				
<u>BILL NO. 13</u>				
<u>PLUMBING AND DRAINAGE</u>				
<u>PLUMBING AND DRAINAGE</u>				
<u>Rainwater disposal</u>				
<u>Seamless aluminium gutter with PVF coating:</u>				
1 150 x 150 x 0.8mm VHV eaves gutters fixed to falls on and including aluminium gutter brackets spaced not exceeding 0,5m centres.	m	119		
2 Extra over eaves gutter for stopped end.	No	8		
3 Extra over 150mm eaves gutter for outlet for 80mm pipe.	No	8		
<u>'Marley Streamline' uPVC (SABS 11) Gutter System:</u>				
4 80mm diameter socketed rainwater pipes (code DPH 310) fixed to pipe clips (code DC 302) at 1000mm centres.	m	24		
5 Extra over 80mm rainwater pipe for shoe (code DS 30).	No	8		
6 Extra over 80mm rainwater pipe for eaves or plinth offset 450 mm projection formed of two bends (code DNB 30) and short length of socketed pipe (code DPH 310).	No	8		
Carried To Section Summary			R	
Section No. 4 Bill No. 13 Plumbing And Drainage				

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	Unit	Quantity	Rate	Amount
<u>SECTION NO. 4</u>				
<u>RENOVATIONS TO EXISTING STRUCTURES</u>				
<u>BILL NO. 15</u>				
<u>PAINTWORK</u>				
<u>PAINTWORK ETC TO NEW WORK</u>				
<u>On floated plaster</u>				
<u>Prepare surfaces and remove all loose material, apply one coat 'Plascon Wall and All Pure Acrylic' thinned 20% and two coats 'Plascon Wall and All Pure Acrylic' paint:</u>				
1 On exterior walls.	m ²	280		
2 On interior walls.	m ²	336		
<u>On wood</u>				
<u>Stop, sand down and prepare wood surfaces and apply three coats 'Plascon Woodcare Woodcoat Polyurethane' X33 gloss clear varnish:</u>				
3 On fittings.	m ²	47		
4 On interior skirtings, rails, etc not exceeding 300 mm girth.	m	217		
<u>Stop, sand down and prepare wood surfaces and apply three coats 'Plascon Woodcare Sunproof' coloured high gloss varnish:</u>				
5 On exterior doors.	m ²	23		
<u>Stop, fill, sand down and prepare wood surfaces and apply one coat wood primer, one coat universal undercoat and two coats high gloss enamel paint:</u>				
6 On exterior roof timbers at eaves and verges.	m ²	119		
<u>On fibre-cement, etc</u>				
<u>Prepare surfaces and remove all loose material, apply one coat 'Plascon Polvin' thinned 20% and two coats 'Plascon Polvin Super Acrylic' paint:</u>				
7 On ceilings and cornices including priming cover fillets, cornices and nail heads.	m ²	213		
Carried to Collection			R	
Section No. 4 Bill No. 15 Paintwork				

		Unit	Quantity	Rate	Amount
<u>PAINTWORK, ETC TO PREVIOUSLY PAINTED WORK</u>					
<u>Remove any loose and flaking residue by means of wire brushing, wash with 'Polycell Sugar Soap' or weak spirits of salts, open up cracks and make good with 'Polycell Mendall 90' or 'Polycell Polyfilla Exterior' filler sanded smooth, apply one coat 'Plascon Masonry Paint' and two coats 'Plascon Wall and All Pure Acrylic' paint on existing water based paint surfaces:</u>					
8	On exterior walls.	m ²	952		
<u>Remove any loose and flaking residue by means of wire brushing, wash with 'Polycell Sugar Soap' or weak spirits of salts, open up cracks and make good with 'Polycell Mendall 90' or 'Polycell Polyfilla Exterior' filler sanded smooth apply one coat 'Plascon Universal Undercoat' and two coats 'Plascon Velvaglo Polyurethane Enamel' paint on existing enamel based paint surfaces:</u>					
9	On interior walls.	m ²	280		
<u>On metal</u>					
<u>Remove any loose and flaking residue by means of wire brushing, sand down, wash with 'Polycell Sugar Soap' or weak spirits of salts, rinse, spot priming with 'Plascon Namelcote Synthetic Metal Primer' and apply two coats 'Plascon Velvaglo Polyurethane Enamel' paint on existing steel:</u>					
10	On door frames.	m ²	29		
11	On windows (both sides measured).	m ²	82		
12	On windows with burglar bars (both sides measured).	m ²	14		
13	On rails, bars, pipes, etc not exceeding 300 mm girth.	m	52		
14	On gates, grilles, burglar screens, balustrades, etc (both sides measured over the full flat area).	m ²	21		
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Paintwork					

BILL NO. 15
PAINTWORK
COLLECTION

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Bill No. 15
Paintwork

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 4</u> <u>RENOVATIONS TO EXISTING STRUCTURES</u> <u>BILL NO. 16</u> <u>EXTERNAL WORKS</u> <u>SURFACE DRAINAGE</u> <u>Precast or in-situ concrete (Class 20) open stormwater channels having V-shaped waterway formed in top, finished smooth on all exposed surfaces in 3:1 untinted cement plaster trowelled smooth and with angles rounded, cast in suitable lengths and reinforced as necessary for handling if precast, including all formwork, moulds, shallow excavation, filling and ramming, laying to falls, bedding and pointing in 3:1 cement mortar:</u>				
1				
Channel size 750 x 150mm overall with 250 x 60mm deep V-shaped waterway.	m	97		
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Section No. 4				
Bill No. 16				
External Works				

SECTION NO. 4

RENOVATIONS TO EXISTING STRUCTURES

SECTION SUMMARY

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10	IRONMONGERY	4-16
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12	PLASTERING	4-18
13	PLUMBING AND DRAINAGE	4-19
14	GLAZING	4-20
15	PAINTWORK	4-23
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SECTION SUMMARY

SECTION NO. 5
DOUBLE GRADE R

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 5</u> <u>DOUBLE GRADE R</u> <u>BILL NO. 1</u> <u>CARPENTRY AND JOINERY</u> <u>PREAMBLES</u> For Trade Preambles refer to Department of Public Works 'PW 371' for Specifications and methods to be used and for the full descriptions of material and work to be done in this bill <u>SUPPLEMENTARY PREAMBLES</u> Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. Items, materials or methods of similar quality may be used with prior approval from the Architect. <u>Particle board:</u> Particle board shall comply with the following specifications: a) SABS 1300 Particle board: exterior and flooring type b) SABS 1301 Particle board: interior type. <u>Joinery:</u> Descriptions of frames shall be deemed to include frames, transoms, mullions, rails, etc. Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes. <u>Fixing:</u> Items described as nailed shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete. <u>Decorative laminate finish:</u> Laminate finish shall be glued under pressure. Edge strips shall be butt jointed at junctions with adjacent similar finish. <u>SKIRTINGS</u> <u>Wrought meranti:</u>				
1	m	71		
			Carried to Collection	
			Section No. 5	
			Bill No. 1	
			Carpentry And Joinery	

		Unit	Quantity	Rate	Amount
<u>FRAMED DOORS ETC</u>					
<u>Wrought meranti doors:</u>					
2	44mm Framed batten door 1600 x 2032mm high of 44 x 108mm top rail and stiles, 22 x 108mm middle ledge and braces and 22 x 220mm bottom rail filled in with 22mm V-jointed one side boarding and covered on other side with 6mm plywood with veneer to match door let into and including rebates all round and 76 x 76mm shaped weatherboard..	No	4		
<u>SOLID CORE FLUSH DOORS</u>					
<u>Solid chipcore flush doors with commercial veneer:</u>					
3	40mm Door 813 x 2032mm high.	No	4		
<u>FRAMED FRAMES ETC</u>					
<u>Wrought meranti:</u>					
4	70 x 108mm Rebated frames.	m	19		
<u>BEADS, ARCHITRAVES, ETC</u>					
<u>Wrought meranti:</u>					
5	19mm Quadrant beads.	m	84		
<u>NOTICE BOARDS, PINNING BOARDS, KEYBOARDS, DUCKBOARDS, ETC</u>					
<u>Wrought meranti:</u>					
6	32 x 50mm Rebated surround plugged to walls with heads of screws sunk and pelleted.	m	16		
7	32 x 50mm Twice rebated transome plugged to walls with heads of screws sunk and pelleted.	m	5		
<u>Softboard:</u>					
8	12mm Softboard pinning board glued to walls with an approved adhesive, including all square cutting and waste.	m ²	10		
Carried to Collection				R	
Section No. 5 Bill No. 1 Carpentry And Joinery					

BILL NO. 1
CARPENTRY AND JOINERY
COLLECTION

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Section No. 5
Bill No. 1
Carpentry And Joinery

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 5</u> <u>DOUBLE GRADE R</u> <u>BILL NO. 2</u> <u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u> <u>PREAMBLES</u> For Trade Preambles refer to Department of Public Works 'PW 371' for Specifications and methods to be used and for the full descriptions of material and work to be done in this bill <u>SUPPLEMENTARY PREAMBLES</u> Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. Items, materials or methods of similar quality may be used with prior approval from the Architect. <u>Descriptions:</u> Items described as nailed shall be deemed to be fixed with hardened steel nails or pins or shot pinned to brickwork or concrete. Items described as plugged shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres, and where described as bolted the bolts have been given. <u>NAILED UP AND SCREW UP CEILINGS</u> <u>6.4mm 'Everite Nutec' fibre-cement boards with 19mm wrought meranti jointing strips over joints:</u>				
1	m ²	309		
2	No	2		
3	m	331		
Carried To Section Summary			R	
Section No. 5 Bill No. 2 Ceilings, Partitions And Access Flooring				

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 5</u> <u>DOUBLE GRADE R</u> <u>BILL NO. 3</u> <u>FLOOR COVERINGS</u> <u>PREAMBLES</u> For Trade Preambles refer to Department of Public Works 'PW 371' for Specifications and methods to be used and for the full descriptions of material and work to be done in this bill <u>SUPPLEMENTARY PREAMBLES</u> Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. Items, materials or methods of similar quality may be used with prior approval from the Architect. <u>VINYL FLOOR COVERINGS, WALL LININGS, ETC.</u> <u>2,5mm Thick approved semi-flexible vinyl floor tiles size 300 x 300mm laid and bonded to screeded surfaces with approved adhesive:</u>				
1 On floors.	m ²	145		
<u>POLISH, SEALERS, ETC</u> <u>Polish, sealers, etc:</u>				
2 Three coats water based floor dressing on vinyl flooring.	m ²	354		
Carried To Section Summary			R	
Section No. 5 Bill No. 3 Floor Coverings				

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 5</u> <u>DOUBLE GRADE R</u> <u>BILL NO. 4</u> <u>IRONMONGERY</u> <u>PREAMBLES</u> For Trade Preambles refer to Department of Public Works 'PW 371' for Specifications and methods to be used and for the full descriptions of material and work to be done in this bill <u>SUPPLEMENTARY PREAMBLES</u> Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. Items, materials or methods of similar quality may be used with prior approval from the Architect. <u>Finishes to ironmongery:</u> Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list: BS Satin bronze lacquered : CH Chromium plated : SC Satin chromium plated : SE Silver enamelled : GE Grey enamelled : AS Anodised silver : AB Anodised bronze : AG Anodised gold : ABL Anodised black : PB Polished brass : PL Polished and lacquered : PT Epoxy coated. <u>IRONMONGERY</u>				
1	No	16		
2	No	48		
3	No	8		
4	No	8		
5	No	32		
6	No	2		
7	No	8		
Carried to Collection			R	
Section No. 5				
Bill No. 4				
Ironmongery				

		Unit	Quantity	Rate	Amount
<u>All sign plates, and door numbers are to be with engraved blue perspex all in accordance with the standard signplates for Schools.</u>					
8	Door number with one numeral 50mm drilled and screwed to door with chromium plated dome headed screws.	No	2		
9	Door sign number with nine 30mm letters drilled and screwed to door with chromium plated dome headed screws.	No	8		
10	Door sign number with fourteen 30mm letters drilled and screwed to door with chromium plated dome headed screws.	No	4		
<u>SHELVES, ETC</u>					
<u>Shelvit with standard epoxy powder coated finish:</u>					
11	Double slot wall band plugged.	m	108		
12	Shelf bracket for 300mm wide shelf.	No	70		
<u>PINNING BOARDS, WRITING BOARDS, PROJECTION SCREENS, ETC</u>					
<u>Vitrex Systems 2000:</u>					
13	Green writing board 4800 x 1190mm high with chalk rail plugged.	No	2		
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Section No. 5 Bill No. 4 Ironmongery					

BILL NO. 4
IRONMONGERY
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Ironmongery

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 5</u> <u>DOUBLE GRADE R</u> <u>BILL NO. 5</u> <u>METALWORK</u> <u>PREAMBLES</u> For Trade Preambles refer to Department of Public Works 'PW 371' for Specifications and methods to be used and for the full descriptions of material and work to be done in this bill <u>SUPPLEMENTARY PREAMBLES</u> Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. Items, materials or methods of similar quality may be used with prior approval from the Architect. <u>Descriptions:</u> Descriptions of bolts shall be deemed to include nuts and washers. Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete. Metalwork described as holed for bolt(s) shall be deemed to exclude the bolts unless otherwise described. <u>SUNDRY GALVANIZED STEELWORK</u> <u>Bolts:</u>				
1 Bolts.	Kg	10		
2 M10 Stud anchors in concrete.	No	40		
3 390 x 180 x 6mm Shaped connector plate, four times holed for bolts and welded to post (bolts and holes elsewhere measured).	No	8		
4 60 x 60 x 2mm Hollow section post 2 750mm long with 70 x 160 x 8mm baseplate welded on to bottom end and top end having 70 x 8mm thick x 500mm girth channel-shaped bracket four times holed for bolts (elsewhere measured) welded on including setting up in position.	No	8		
Carried To Section Summary			R	
Section No. 5				
Bill No. 5				
Metalwork				

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 5</u> <u>DOUBLE GRADE R</u> <u>BILL NO. 6</u> <u>PLUMBING AND DRAINAGE</u> <u>PREAMBLES</u> For Trade Preambles refer to Department of Public Works 'PW 371' for Specifications and methods to be used and for the full descriptions of material and work to be done in this bill <u>SUPPLEMENTARY PREAMBLES</u> Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. Items, materials or methods of similar quality may be used with prior approval from the Architect. <u>RAINWATER DISPOSAL</u> <u>'Marley Vynadeep' PVC:</u>				
1	m	66		
2	No	8		
3	No	8		
4	m	24		
5	No	8		
6	No	8		
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Section No. 5				
Bill No. 6				
Plumbing And Drainage				

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 5</u> <u>DOUBLE GRADE R</u> <u>BILL NO. 7</u> <u>GLAZING</u> <u>PREAMBLES</u> For Trade Preambles refer to Department of Public Works 'PW 371' for Specifications and methods to be used and for the full descriptions of material and work to be done in this bill <u>SUPPLEMENTARY PREAMBLES</u> Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. Items, materials or methods of similar quality may be used with prior approval from the Architect. <u>GLAZING TO STEEL WITH PUTTY</u> <u>4mm Patterned glass:</u>				
1	m ²	13		
<u>4mm Clear float glass:</u>				
2	m ²	13		
Carried To Section Summary				R
Section No. 5				
Bill No. 7				
Glazing				

	Unit	Quantity	Rate
<u>SECTION NO. 5</u> <u>DOUBLE GRADE R</u> <u>BILL NO. 8</u> <u>PAINTWORK</u> <u>PREAMBLES</u> For Trade Preambles refer to Department of Public Works 'PW 371' for Specifications and methods to be used and for the full descriptions of material and work to be done in this bill <u>SUPPLEMENTARY PREAMBLES</u> Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. Items, materials or methods of similar quality may be used with prior approval from the Architect. All work to be executed in strict accordance with the Manufacturers specifications and instructions. <u>PAINTWORK ETC TO NEW WORK</u> <u>ON PLASTER, ETC:</u> <u>Prepare surfaces, stop and remove all loose material, apply one coat 'Plascon plaster primer, one coat universal undercoat and two coats 'Plascon Wall and All Pure Acrylic' paint:</u>			
1	m ²	101	
<u>ON NUTEC / FIBRE-CEMENT, ETC.</u> <u>Prepare surfaces and remove all loose material, apply one coat primer and two coats interior quality PVA emulsion paint:</u>			
2	m ²	231	
<u>Prepare surfaces and remove all loose material, apply one coat primer and two coats exterior quality PVA emulsion paint:</u>			
3	m ²	34	
<u>ON METAL</u> <u>Prepare surfaces and remove all loose material, dust, grease, salts and contamination and apply one coat calcium plumbate primer, one undercoat and two coats alkyd enamel paint on galvanised steel :</u>			
4	m ²	52	
Carried to Collection			R
Section No. 5 Bill No. 8 Paintwork			

		Unit	Quantity	Rate	Amount
5	On steel posts, etc not exceeding 300 mm girth.	m	30		
	<u>ON WOOD</u>				
	<u>Prepare surface and apply one coat wood primer:</u>				
6	On backs of timber frames not exceeding 300mm girth.	m	84		
	<u>Knot, prime, stop, sand down and prepare wood surfaces and apply one coat undercoat and two coats 'Plascon Super' enamel paint:</u>				
7	On doors.	m ²	78		
8	On door frames.	m ²	34		
9	On general surfaces of timbers at eaves.	m ²	86		
10	On skirtings, rails, etc not exceeding 300mm girth.	m	181		
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Paintwork					

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PAINTWORK
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Bill No. 8
Paintwork

SECTION NO. 5
DOUBLE GRADE R
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Section No. 5
SECTION SUMMARY

SECTION NO. 6
DOUBLE GRADE R ABLUTIONS

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 6</u> <u>DOUBLE GRADE R ABLUTIONS</u> <u>BILL NO. 1</u> <u>CONCRETE, FORMWORK AND REINFORCEMENT</u> <u>PREAMBLES</u> For Trade Preambles refer to Department of Public Works 'PW 371' for Specifications and methods to be used and for the full descriptions of material and work to be done in this bill <u>SUPPLEMENTARY PREAMBLES</u> Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. Items, materials or methods of similar quality may be used with prior approval from the Architect. The costs of making, storing and testing of concrete test cubes as required under clause 7 'Tests' of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the Architect. The testing shall be undertaken by an independent firm or institution nominated by the Contractor to the approval of the Architect. (Test cubes are measured separately). <u>Formwork:</u> Descriptions of formwork shall be deemed to include use and waste only (except where described as left in or permanent), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use. The vertical strutting shall be carried down to such construction as is sufficiently strong to afford the required support without damage and shall remain in position until the newly constructed work is able to support itself. Formwork to soffits of solid slabs etc., shall be deemed to be to slabs not exceeding 250mm thick unless otherwise described.				
Carried to Collection			R	
Section No. 6 Bill No. 1 Concrete, Formwork And Reinforcement				

	Unit	Quantity	Rate	Amount
Formwork to sides of bases, pile caps, ground beams, etc., will only be measured where it is prescribed by the Engineer for design reasons. Formwork necessitated by irregularity or collapse of excavated faces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavations, provision for which is made in Earthworks. <u>CONCRETE, FORMWORK & REINFORCEMENT</u> <u>Mass cement concrete (25Mpa) in:</u> 1 Wall footings cast against excavated surfaces (Labour Intensive). m³ 1 <u>Cement concrete (25Mpa) in:</u> 2 Aprons (Labour Intensive). m³ 1 3 Surface beds (Labour Intensive). m³ 2 <u>Reinforced cement concrete (25 Mpa) in:</u> 4 Slabs (Labour Intensive). m³ 4 <u>Sundries:</u> 5 Floating off smooth tops of surface beds, slabs, etc. with a steel float (Labour Intensive). m² 14 6 Form half round channel sinking size 110mm wide x 50mm deep in top of slab (Labour Intensive). m 3 7 Thicken out edge of 100mm thick surface bed to a total thickness of 230mm for a width of 125mm including all necessary excavation, surface preparation, additional concrete and formwork (formwork to exposed edges elsewhere measured) (Labour Intensive). m 4 <u>General Formwork:</u> 8 Sides of footings. m² 4 9 Sides and soffits of isolated beams. m² 1 10 Sides of edges, risers, ends and reveals not exceeding 300mm high. m 9				
Carried to Collection				R
Section No. 6				
Bill No. 1				
Concrete, Formwork And Reinforcement				

BILL NO. 1
CONCRETE, FORMWORK AND REINFORCEMENT
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Section No. 6
Bill No. 1
Concrete, Formwork And Reinforcement

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 6</u> <u>DOUBLE GRADE R ABLUTIONS</u> <u>BILL NO. 2</u> <u>MASONRY</u> <u>PREAMBLES</u> For Trade Preambles refer to Department of Public Works 'PW 371' for Specifications and methods to be used and for the full descriptions of material and work to be done in this bill <u>SUPPLEMENTARY PREAMBLES</u> Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. Items, materials or methods of similar quality may be used with prior approval from the Architect. <u>Brickwork</u> <u>Sizes in descriptions:</u> Where sizes in descriptions are given in brick units, 'one brick' shall represent the length and 'half brick' the width of a brick. <u>Cement Mortar</u> Unless otherwise described, all brickwork shall be built in class II cement mortar <u>Walls etc:</u> Walls in two skins described as 'bagged and sealed' shall be deemed to include having the outer face of the inner skin bagged with 1:6 cement and sand mixture and sealed with two coats 'Brixal' bitumen emulsion waterproofing coating. <u>Face bricks:</u> Bricks shall be ordered timeously to obtain uniformity in size and colour <u>Pointing:</u> Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc. <u>MASONRY</u> <u>The following in stock bricks in (5:1) cement mortar:</u>				
1	Half brick wall in foundations.	m ²	7	
2	One brick walls.	m ²	14	
Carried to Collection			R	
Section No. 6 Bill No. 2 Masonry				

		Unit	Quantity	Rate	Amount
3	Ditto but in foundations. (Provisional)	m ²	4		
	<u>Brickwork reinforcement:</u>				
4	"Cotts No. C2" or other approved high tensile steel brick reinforcement 155mm wide well laped at all angles and passings and built into brick walls in foundations.	m	75		
	<u>External Facebrick:</u>				
	<u>Allow the prime cost amount of R 6 000.00 (Six thousand rands excluding VAT) nett per thousand for external face bricks, supplied and delivered to site and add for taking delivery, storage, waste, profit, building in and pointing with square recessed horizontal and vertical joints:</u>				
5	Extra over brickwork for face brickwork.	m ²	34		
6	Extra over brickwork for face brickwork in foundations (Provisional).	m ²	7		
7	Fair raking cutting.	m	13		
	<u>Allow the prime cost amount of R 6 000.00 (Six thousand rands excluding VAT) nett per thousand for brick-on-edge header course copings, sills, etc, supplied and delivered to site and add for taking delivery, storage, waste, profit, building in and pointing with square recessed joints on all exposed faces:</u>				
8	Coping on top of one brick wall.	m	4		
Carried to Collection				R	
Section No. 6					
Bill No. 2					
Masonry					

BILL NO. 2
MASONRY
COLLECTION

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Section No. 6
Bill No. 2
Masonry

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 6</u> <u>DOUBLE GRADE R ABLUTIONS</u> <u>BILL NO. 3</u> <u>WATERPROOFING</u> <u>PREAMBLES</u> For Trade Preambles refer to Department of Public Works 'PW 371' for Specifications and methods to be used and for the full descriptions of material and work to be done in this bill <u>SUPPLEMENTARY PREAMBLES</u> Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. Items, materials or methods of similar quality may be used with prior approval from the Architect. <u>DAMPPROOFING OF WALLS AND FLOORS</u> <u>Damp proof course to walls:</u>				
1				
375 Micron "Gundle Brickgrip" damp proof course laid horizontally and built into walls or stepped up cavity, lapped 150mm at all angles and passings. (Measured nett).	m ²	15		
Carried To Section Summary				R
Section No. 6				
Bill No. 3				
Waterproofing				

	Unit	Quantity	Rate	Amount
Flashings shall be approved by 'Brownbuilt Metal Sections' and fixed to the sheeting with S1 clips to obviate any direct fixing perforations. Prior to flashings being fixed, all troughs at the apex shall be stop-ended to the full depth of the sheet in order to prevent any penetration of wind-driven water. The trough shall be lipped at the eaves end to form a drip. Flashing flanges shall be notched to the sheet profile where necessary. All these operations must be performed with special tools available from 'Brownbuilt Metal Sections'. Care shall be taken to ensure that no sheeting or flashing will be cut with abrasive disc on roof surface in order to prevent steel spatter from penetrating colour coated areas Flashing finish must match and be the same as the roof sheeting it follows. Flashing thickness must be the same or greater than that of the roof sheeting it follows, based on available thickness options. Guarantee: The manufacturer shall comply with ISO9002 Quality Management System. Sheeting shall be laid in strict accordance with the manufacturer's specifications by an approved contractor. Erection, handling and storage: Every precaution shall be taken to prevent damage to roof sheets during all stages of construction. Duck boards should be used when necessary to protect the sheeting from damage. Sheeting which has become deformed or damaged in any way, shall be replaced. The contractor shall exercise special care when handling long length sheeting, particularly in windy conditions. Should work be interrupted for any reason, all loose sheeting and incomplete sections must be adequately secured against possible movement by wind and gravity. The contractor shall ensure that all materials used on site for cladding, etc are transported, handled and stored in accordance with the manufacturer's recommendations. Material damaged shall be rejected and replaced with undamaged material at the contractor's expense. Repair of damaged material will not generally be permitted. Rates are to include for preventing damage and protecting sheets through all stages of construction. Cleaning, etc:				
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	Unit	Quantity	Rate	Amount
All debris, swarf, etc. arising from the fixing of the cladding shall be removed from the sheeting as the fixing progresses. In addition, off-cuts of insulation, surplus fasteners and sealants, mandrels from pop rivets, off-cuts of flashings and sheeting, surplus flashing, food packaging, cartons, bottles, cans, etc shall not be left on the roof or in the gutters. Care shall be taken to ensure that no such material enters, blocks or partially impedes the flow of water into the outlets, down pipes, etc. <u>'Custom-Orb' 0,5mm thick light industrial Z275 spelter galvanised steel sheeting with 'Classicoat' finish to one side and half coat 'Classicoat Grey' other side and accessories fixed to timber purlins or rails at 1200mm centres:</u>				
1 Roof covering with pitch not exceeding 25 degrees, in transportable lengths not exceeding 20m.	m ²	16		
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BILL NO. 4
ROOF COVERINGS
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Bill No. 4
Roof Coverings

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 6</u> <u>DOUBLE GRADE R ABLUTIONS</u> <u>BILL NO. 5</u> <u>CARPENTRY AND JOINERY</u> <u>PREAMBLES</u> For Trade Preambles refer to Department of Public Works 'PW 371' for Specifications and methods to be used and for the full descriptions of material and work to be done in this bill <u>SUPPLEMENTARY PREAMBLES</u> Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. Items, materials or methods of similar quality may be used with prior approval from the Architect. <u>Particle board:</u> Particle board shall comply with the following specifications: a) SABS 1300 Particle board: exterior and flooring type b) SABS 1301 Particle board: interior type. <u>Joinery:</u> Descriptions of frames shall be deemed to include frames, transoms, mullions, rails, etc. Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes. <u>Fixing:</u> Items described as nailed shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete. <u>Decorative laminate finish:</u> Laminate finish shall be glued under pressure. Edge strips shall be butt jointed at junctions with adjacent similar finish. <u>CARPENTRY AND JOINERY</u> <u>Roof Timbers:</u> <u>Wrought softwood grade 5:</u>				
1	m	15		
2	m	12		
3	m	5		
Carried to Collection			R	
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		Unit	Quantity	Rate	Amount
4	76 x 76mm Splayed purlins.	m	5		
	<u>Sundries:</u>				
5	Fix only bolt through average 70mm softwood including drilling hole.	No	10		
6	Hurricane clips to secure rafter and purlin.	No	5		
7	Hurricane clips to secure rafter and beam.	No	5		
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Carpentry And Joinery					

BILL NO. 5
CARPENTRY AND JOINERY
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Bill No. 5
Carpentry And Joinery

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 6</u> <u>DOUBLE GRADE R ABLUTIONS</u> <u>BILL NO. 6</u> <u>IRONMONGERY</u> <u>PREAMBLES</u> For Trade Preambles refer to Department of Public Works 'PW 371' for Specifications and methods to be used and for the full descriptions of material and work to be done in this bill <u>SUPPLEMENTARY PREAMBLES</u> Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. Items, materials or methods of similar quality may be used with prior approval from the Architect. <u>Finishes to ironmongery:</u> Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list: BS Satin bronze lacquered : CH Chromium plated : SC Satin chromium plated : SE Silver enamelled : GE Grey enamelled : AS Anodised silver : AB Anodised bronze : AG Anodised gold : ABL Anodised black : PB Polished brass : PL Polished and lacquered : PT Epoxy coated. <u>IRONMONGERY</u> <u>Locks:</u> 1 Union 3102/38 or other approved padlock (All locks must be opened by the same key). <u>Sign Plates:</u> <u>All sign plates, and door numbers are to be with engraved blue perspex all in accordance with the standard signplates for Schools.</u> 2 "GIRLS" signplate plugged and screwed to walls with chromium plated dome headed screws. 3 "FEMALE STAFF" signplate plugged and screwed to walls with chromium plated dome headed screws. 4 "PARAPLEGIC" signplate plugged and screwed to walls with chromium plated dome headed screws.				
	No	6		
	No	1		
	No	1		
	No	1		
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Ironmongery				

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 6</u> <u>DOUBLE GRADE R ABLUTIONS</u> <u>BILL NO. 7</u> <u>METALWORK</u> <u>PREAMBLES</u> For Trade Preambles refer to Department of Public Works 'PW 371' for Specifications and methods to be used and for the full descriptions of material and work to be done in this bill <u>SUPPLEMENTARY PREAMBLES</u> Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. Items, materials or methods of similar quality may be used with prior approval from the Architect. <u>Descriptions:</u> Descriptions of bolts shall be deemed to include nuts and washers. Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete. Metalwork described as holed for bolt(s) shall be deemed to exclude the bolts unless otherwise described. <u>METALWORK</u> <u>Mild Steel:</u>				
1	Kg	5		
2	No	10		
<u>The following in Hot Dipped Galvanised Steel Doors:</u>				
3	No	2		
Carried to Collection			R	
Section No. 6 Bill No. 7 Metalwork				

		Unit	Quantity	Rate	Amount
4	Door size 1010 x 1680mm high formed of 19 x 19mm hollow square section frame and middle ledge welded at angles and intersections, covered on one side with 0,6mm galvanised sheeting pressed to shape with edges lapped around and rivetted to frame at 300mm centres, fitted with and including 25mm diameter x 2120mm long pipe support welded on including finishing smooth on all exposed edges.	No	1		
5	150mm Long lockable padbolt welded on.	No	1		
<u>The following in Hot Dip Galvanised after fabrication mild steel framed and welded gate including all welding, cutting, drilling and grinding smooth:</u>					
6	Single gate formed of 8 x 44mm steel flat frame welded at angles, divided into three sections with two cross rails, 12mm diameter vertical bars at 70mm centres, hung on pair of socketted and pinned hinges with pin 18mm in diameter and bolted to brick wall and with 200mm locking bolt welded on, to suit clear opening size 805 x 1700mm high.	No	1		
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Metalwork					

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METALWORK
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Metalwork

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 6</u> <u>DOUBLE GRADE R ABLUTIONS</u> <u>BILL NO. 8</u> <u>PLASTERING</u> <u>PREAMBLES</u> For Trade Preambles refer to Department of Public Works 'PW 371' for Specifications and methods to be used and for the full descriptions of material and work to be done in this bill <u>SUPPLEMENTARY PREAMBLES</u> Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. Items, materials or methods of similar quality may be used with prior approval from the Architect. <u>GRANOLITHIC</u> <u>Untinted granolithic on concrete:</u>				
1 20mm Finish to vertical surfaces in narrow widths not exceeding 300mm wide.	m ²	8		
2 Average 40mm finish to horizontal surfaces to falls.	m ²	10		
3 20mm Finish to half round channel sinking size 110mm wide x 50mm deep.	m	2		
<u>INTERNAL PLASTER</u> <u>Cement plaster on brickwork:</u>				
4 On walls.	m ²	5		
Carried To Section Summary			R	
Section No. 6 Bill No. 8 Plastering				

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 6</u> <u>DOUBLE GRADE R ABLUTIONS</u> <u>BILL NO. 9</u> <u>PLUMBING AND DRAINAGE (PROVISIONAL)</u> <u>PREAMBLES</u> For Trade Preambles refer to Department of Public Works 'PW 371' for Specifications and methods to be used and for the full descriptions of material and work to be done in this bill <u>SUPPLEMENTARY PREAMBLES</u> Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. Items, materials or methods of similar quality may be used with prior approval from the Architect. <u>PLUMBING</u> <u>PVC waste or vent pipes and fittings:</u>				
1 50mm Pipe fixed to walls.	m	10		
2 150mm Pipe fixed to walls.	m	5		
<u>Extra for:</u>				
3 50mm Bend	No	5		
4 150mm Bend	No	5		
5 Plastic or copper wire gauze fly screen glued to top of 150mm pipe as directed on site.	No	2		
<u>Sanitary fittings:</u>				
6 'Securapane' or other approved VIP pit pedestal with flap fixed to floors with and including three 6mm diameter x 50mm long expansion bolts into silicone.	No	2		
<u>Leave or form hole for pipe exceeding 150mm and not exceeding 300mm diameter through:</u>				
7 230mm Brick wall.	No	3		
Carried To Section Summary			R	
Section No. 6				
Bill No. 9				
Plumbing And Drainage (provisional)				

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 6</u>				
<u>DOUBLE GRADE R ABLUTIONS</u>				
<u>BILL NO. 10</u>				
<u>PAINTWORK</u>				
<u>PREAMBLES</u>				
For Trade Preambles refer to Department of Public Works 'PW 371' for Specifications and methods to be used and for the full descriptions of material and work to be done in this bill				
<u>SUPPLEMENTARY PREAMBLES</u>				
Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. Items, materials or methods of similar quality may be used with prior approval from the Architect.				
All work to be executed in strict accordance with the Manufacturers specifications and instructions.				
<u>PAINTWORK ETC TO NEW WORK</u>				
<u>ON PVC, ETC:</u>				
<u>Prepare surfaces as described and apply one coat undercoat and one coat PVA emulsion paint:</u>				
1 On 150mm diameter PVC pipes.	m	5		
<u>ON FLOATED PLASTER</u>				
<u>Prepare surfaces, stop and remove all loose material, apply one coat sealer, one coat universal undercoat and two coats epoxy enamel paint:</u>				
2 On plastered walls.	m ²	5		
<u>ON WOOD</u>				
<u>Knot, prime, stop, sand down and prepare wood surfaces and apply one coat undercoat and two coats high gloss enamel paint:</u>				
3 On general surfaces of timbers at eaves.	m ²	3		
			R	
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Section No. 6 Bill No. 10 Paintwork				

SECTION NO. 6

DOUBLE GRADE R ABLUTIONS

SECTION SUMMARY

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2	MASONRY
3	WATERPROOFING
4	ROOF COVERINGS
5	CARPENTRY AND JOINERY
6	IRONMONGERY
7	METALWORK
8	PLASTERING
9	PLUMBING AND DRAINAGE (PROVISIONAL)
10	PAINTWORK

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Section No. 6
SECTION SUMMARY

SECTION NO. 7
EXTERNAL WORKS

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 7</u>				
<u>EXTERNAL WORKS</u>				
<u>BILL NO. 1</u>				
<u>CONCRETE PAVING</u>				
<u>TRADE PREAMBLES</u>				
<u>Trade Preambles:</u>				
For Trade Preambles refer to 'Specification of Materials and Methods' (PW371) for the full descriptions of material to be used and work to be done in this Bill				
<u>EARTHWORKS:</u>				
1 Clear the whole of the site of all grass, roots, rubbish, etc. including stripping vegetable soil from the building area.	m ²	300		
2 Reduce levels under pavings.	m ³	60		
3 Extra over all excavations for carting surplus excavated material and spreading, levelling and lightly compacting on site where directed average 50m from the excavations (Measured nett - no allowance made for bulking).	m ³	60		
4 Allow for keeping excavations entirely free from water or mud.	Item			
<u>Filling, Etc:</u>				
5 Approved clean, hard, dry filling obtained from the excavations in backfilling to trenches, well consolidated and rammed.	m ³	40		
6 Scarify in-situ material for a depth of 150mm and compact to obtain 93% modified AASHTO dry density.	m ²	400		
<u>CONCRETE, FORMWORK & REINFORCEMENT</u>				
<u>Cement concrete (25MPa) mass in:</u>				
7 Pavings.	m ³	10		
<u>Sundries:</u>				
8 Strike off and cure tops of surface beds laid in panels approximately 3000mm long x 3000mm wide to uniform levels including all necessary formwork to form toggle joints to temporary construction joints to falls.	m ²	400		
9 Extra for floating off smooth tops of surface beds laid in panels with a wood float including slightly rounded edges to panels.	m ²	400		
Carried to Collection			R	
Section No. 7				
Bill No. 1				
Concrete Paving				

		Unit	Quantity	Rate	Amount
	<u>Expansion Joints:</u>				
10	12mm "Flexcell" or other approved cane fibre filler board in expansion joint between edge of concrete paving and walls in narrow widths not exceeding 150mm wide including tacking to face of wall.	m	133		
	<u>General Formwork:</u>				
11	Edges, risers, ends and reveals not exceeding 300mm high or wide.	m	266		
	<u>LANDSCAPING</u>				
	<u>Excavate in earth and dispose on site</u>				
12	To remove humps, form shallow ditches, etc.	m ²	55		
	<u>Ground preparation</u>				
13	Cultivation and preparation of areas to be planted	m ²	1 550		
	<u>Topsoil obtained from prescribed stock piles on site, including spreading and levelling</u>				
14	In plant beds, grassed areas and holes for trees, shrubs, etc.	m ³	150		
	<u>Compost, lime and fertilizer</u>				
15	Compost in plant beds, holes for trees, shrubs, etc.	m ³	85		
	<u>Grassing, ground covers, etc.</u>				
16	Kikuyu roots in rows at 250mm centres	m ²	1 200		
17	Kikuyu rolls 50mm thick	m ²	85		
	<u>Rockery boulders</u>				
18	Rockery boulder approximately 400mm diameter obtained from stock piles on site	No	25		
19	Rockery boulder approximately 400mm diameter supplied by the contractor	No	30		
20	Rectangular rockery boulder approximately 0,1m3 obtained from stock piles on site	No	35		
	<u>RETAINING STRUCTURES</u>				
	<u>Open face excavation in earth</u>				
21	To embankment behind retaining blocks including trimming to slope	m ³	20		
	<u>Excavation in earth not exceeding 2m deep</u>				
22	Trenches	m ³	8		
	Carried to Collection			R	
	Section No. 7				
	Bill No. 1				
	Concrete Paving				

		Unit	Quantity	Rate	Amount
	<u>Risk of collapse of excavations</u>				
23	Sides of trench and hole excavations not exceeding 1,5m deep	m ²	112		
	<u>Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 95% Mod AASHTO density</u>				
24	To form embankments for retaining structures	m ³	120		
	<u>25MPa/19mm unreinforced concrete</u>				
25	Strip footings	m ³	11		
	<u>Rough formwork to sides</u>				
26	Edges not exceeding 300mm high	m	45		
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Concrete Paving					

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CONCRETE PAVING
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Bill No. 1
Concrete Paving

	Unit	Quantity	Rate	Amount
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<u>EXTERNAL WORKS</u>				
<u>BILL NO. 2</u>				
<u>TANKS AND STANDS</u>				
<u>SURFACE DRAINAGE</u>				
<u>Precast or in-situ concrete (20 Mpa) open stormwater channels having V-shaped waterway formed in top, finished smooth on all exposed surfaces in (3:1) untinted cement plaster trowelled smooth and with angles rounded, cast in suitable lengths, and reinforced as necessary for handling if precast, including all formwork, moulds, shallow excavation, filling and ramming, laying to falls, bedding and pointing in (3:1) cement mortar:</u>				
1	Channel size 600 x 150mm overall with 560 x 60mm deep V-shaped waterway.	m	185	
2	Extra for angle	No	37	
3	Extra for fair ends	No	37	
Carried To Section Summary				R
Section No. 7				
Bill No. 2				
Tanks And Stands				

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 7</u>				
<u>EXTERNAL WORKS</u>				
<u>BILL NO. 3</u>				
<u>SITE CLEARANCE AND EARTHWORKS</u>				
<u>SITE PREPARATION (PROVISIONAL)</u>				
<u>Site clearance, etc.:</u>				
1				
Allow for clearing the area of the site to be built upon of all grass, weeds, shrubs, trees with trunks not exceeding 200mm girth, debris, etc., including grubbing up all roots, scoffling up as required and cart away all vegetation and debris. (Labour Intensive).	m ²	1 444		
2				
Strip average 100mm thick layer of topsoil and stockpile on site. (Labour Intensive).	m ²	1 444		
<u>Open face excavation in earth over sloping site:</u>				
3				
Open face excavation to form platform under building areas, etc. and depositing excavated material over site (Labour Intensive).	m ³	756		
<u>Extra over all excavations for carting away:</u>				
4				
Surplus material from stock piles on site to a dumping site to be located by the contractor (Labour Intensive).	m ³	702		
<u>Filling with material from the excavations (not compacted):</u>				
5				
Over site. (Labour Intensive).	m ³	573		
<u>Filling with material from the excavations compacted to a density of at least 95% Mod. AASHTO maximum density:</u>				
6				
Over site. (Labour Intensive).	m ³	671		
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Section No. 7				
Bill No. 3				
Site Clearance And Earthworks				

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 7</u>				
<u>EXTERNAL WORKS</u>				
<u>BILL NO. 4</u>				
<u>STORMWATER CHANNELS</u>				
<u>STORMWATER DRAINAGE AND APRONS</u>				
<u>(PROVISIONAL)</u>				
<u>Precast or in-situ concrete (20Mpa) open stormwater channels having V-shaped waterway formed in top, finished smooth on all exposed surfaces in (3:1) untinted cement plaster trowelled smooth and with angles rounded, cast in suitable lengths, and reinforced as necessary for handling if precast, including all formwork, moulds, shallow excavation, filling and ramming, laying to falls, bedding and pointing in (3:1) cement mortar:</u>				
1 Channel size 600 x 150mm overall with 560 x 60mm deep v-channel waterway (Labour Intensive).	m	250		
2 Extra for angle.	No	24		
3 Extra for fair end.	No	12		
<u>uPVC pipes:</u>				
4 150mm pipes laid in and including trenches not exceeding 1m deep. (Labour Intensive).	m	60		
5 One brick wall.	m ²	6		
6 Plaster on brick walls.	m ²	4		
7 450 x 600mm x 99kg Type H/D cast iron dished grating and frame.	No	2		
<u>The following in two headwalls, etc:</u>				
8 Excavation not exceeding 2m deep. (Labour Intensive).	m ³	4		
9 Unreinforced mass concrete in bottoms. (Labour Intensive).	m ³	1		
10 Formwork to edges, risers, ends and reveals not exceeding 300mm wide or high.	m	8		
11 One brick wall.	m ²	4		
12 Plaster on brick walls.	m ²	4		
13 150-200mm Selected loose stones tightly packed including preparation of ground surface.	m ²	8		
Carried to Collection			R	
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Bill No. 4				
Stormwater Channels				

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STORMWATER CHANNELS
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Bill No. 4
Stormwater Channels

	Unit	Quantity	Rate	Amount
500mm diameter flat wrap razor barbed tape wire fixed as before described. Fitted with three 24mm diameter x 300mm long eyebolt hinges and stops including all holes, etc, welded or bolted to adjoining galvanised gatepost with and including 500mm long approved chain spot welded to gate and "Union No. 3122" padlock.				
<u>THE FOLLOWING IN SECURITY FENCE</u>				
1 Allow for clearing site for a width of 1m where fencing runs are to be erected including removing trees, shrubs, etc not exceeding 200mm girth, grubbing up roots and roughly levelling. (Labour Intensive).	m	1 200		
2 Excavation in earth not exceeding 2m deep for trenches and holes. (Labour Intensive).	m³	54		
3 Extra over excavations for carting away surplus material to a dumping site located by the contractor. (Labour Intensive).	m³	54		
4 15 Mpa Concrete cast against excavated material for footings. (Labour Intensive).	m³	54		
5 Approved 500mm diameter flat wrap of galvanised razor barbed tape wire fixed vertically to and including two rows of double strand barb wire to top of security fence and secured to straining wire (elsewhere measured) with and including 2,5mm diameter galvanised binding wire at 300mm centres (labour intensive)	m	1 200		
6 Security fencing formed of 50 x 50 x 3,15mm diameter Class A galvanised 'Secumesh' security fence 1,8m high with 'Howgring' security clips available from Décor applied with 'Howgring' pliers at 300mm centres to two intermediate straining wires (straining wires elsewhere measured) including holes through posts (Secumesh supplied by Reinforcing, Design and Supply). (Labour Intensive).	m	750		
7 12mm diameter galvanised mild steel straining eye bolt with hook, threaded portion and two nuts and washers, including hole through post (labour intensive)	No	24		
8 10mm U-shaped fence anchor 525mm girth bent to detail and embedded in concrete to form eyelet (labour intensive)	No	1 050		
9 60mm diameter galvanised steel intermediate fencing post, 2700mm fitted with pressed steel mushroom cap, post fitted with 150 x 150 x 5mm base plate at bottom and embedded in 300 x 300 x 700mm mass concrete (15MPa) base (labour intensive)	No	255		
Carried to Collection			R	
Section No. 7 Bill No. 5 Security Fence				

		Unit	Quantity	Rate	Amount
10	100mm Ditto as end post, fitted with one 75mm diameter galvanised steel stray set raking and with top end flattened and bolted through post, with post and stay both embedded in mass concrete (15MPa) bases as last (labour intensive)	No	27		
11	100mm Ditto as straining or corner posts, but fitted with two 75mm diameter galvanised steel raking stays (labour intensive)	No	30		
12	100mm Ditto, as straining or corner posts but fitted with three 75mm diameter galvanised steel raking stays (labour intensive)	No	12		
13	150 Diameter ditto as gate post, but fitted with one 75mm diameter galvanised steel raking stay, with post and stay both embedded in mass concrete (15MPa) bases as last (labour intensive)	No	6		
14	Single gate 1000 x 1800mm high	No	2		
15	Double gate size 6000 x 1800mm high	No	2		
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Security Fence					

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SECURITY FENCE
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Bill No. 5
Security Fence

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 7</u>				
<u>EXTERNAL WORKS</u>				
<u>BILL NO. 6</u>				
<u>FLAG POLES</u>				
<u>EARTHWORKS (PROVISIONAL)</u>				
<u>Excavation in pickable material not exceeding 2m deep below natural or reduced ground level:</u>				
1 Holes. (Labour Intensive).	m ³	1		
<u>Risk of collapse:</u>				
2 Risk of collapse to sides of excavations to column bases, trenches, etc. from ground level to not exceeding 1,5m deep.	m ²	5		
<u>Keep excavations free from water:</u>				
3 Keep excavations entirely free from water or mud.	Item			
<u>CONCRETE, FORMWORK & REINFORCEMENT</u>				
<u>Cement concrete (25Mpa) in:</u>				
4 Bases (Labour Intensive).	m ³	1		
<u>MASONRY</u>				
<u>The following in stock bricks in (5:1) cement mortar:</u>				
5 Piers	m ³	1		
<u>Facings Externally:</u>				
<u>Allow the prime cost amount of R 4000.00 (Four thousand rand excluding VAT) nett per thousand for external face bricks, supplied and delivered to site and add for taking delivery, storage, waste, profit, building in and pointing with square recessed horizontal and vertical joints:</u>				
6 Extra over ordinary brickwork for facing in stretcher bond and pointing as described.	m ²	4		
<u>METALWORK</u>				
<u>Galvanised Mild Steel:</u>				
7 101,6 x 2,8mm Tapering flagmast 6m long closed one end and with 300 x 300 x 6mm base plate welded on at other end including all necessary rope, pulleys, fasteners, etc. fixed complete.	No	2		
Carried to Collection			R	
Section No. 7				
Bill No. 6				
Flag Poles				

	Unit	Quantity	Rate	Amount
<u>SUNDRIES</u>				
8 Standard fabric South African flag with necessary fixing attachments suitable for flagmast.	No	1		
9 Standard fabric school flag with necessary fixing attachments suitable for flagmast.	No	1		
Carried to Collection			R	
Section No. 7				
Bill No. 6				
Flag Poles				

BILL NO. 6
FLAG POLES
COLLECTION

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Section No. 7
Bill No. 6
Flag Poles

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 7</u>				
<u>EXTERNAL WORKS</u>				
<u>BILL NO. 7</u>				
<u>WALKWAYS, RAMPS ETC</u>				
<u>TRADE PREAMBLES</u>				
<u>Trade Preambles:</u>				
For Trade Preambles refer to 'Specification of Materials and Methods' (PW371) for the full descriptions of material to be used and work to be done in this Bill.				
<u>WALKWAYS AND RAMPS (CPAP Work group No 154)</u>				
<u>EARTHWORKS:</u>				
<u>Excavate in pickable material not exceeding 2m deep below natural or reduced ground level:</u>				
1 Reduce levels under pavings.	m ³	22		
<u>Filling, Etc:</u>				
2 Approved clean, hard, dry filling obtained from the excavations in backfilling to trenches, well consolidated and rammed.	m ³	22		
<u>Earth filling supplied by the contractor under pavings etc</u>				
3 Filling under walkway of suitable material in accordance with SABS 1200 DM compacted to a density of at least 95% Mod AASHTO density	m ³	22		
<u>Compaction of surfaces</u>				
4 Compaction of ground surface under aprons, ramps, pavings and channels etc. including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% Mod AASHTO density	m ²	215		
<u>UNREINFORCED CONCRETE (CPAP Work group No 110)</u>				
<u>Cement concrete (20MPa) mass in:</u>				
5 Walkways	m ³	20		
6 Ramps.	m ³	2		
<u>Finishing top surfaces of concrete to an evenly broom swept finish:</u>				
7 Walkways to falls.	m ²	135		
Carried to Collection			R	
Section No. 7 Bill No. 7 Walkways, Ramps Etc				

		Unit	Quantity	Rate	Amount
	<u>Finishing top surfaces of concrete to an evenly ribbed non-slip:</u>				
8	Ramps, etc to falls.	m ²	12		
	<u>ROUGH FORMWORK (DEGREE OF ACCURACY II) (CPAP Work group No 111)</u>				
	<u>Rough formwork to sides:</u>				
9	Edges, risers, ends and reveals not exceeding 300mm high or wide.	m	405		
10	Edges, risers, ends and reveals exceeding 300mm but not exceeding 500mm high or wide.	m ²	8		
	<u>Expansion Joints with softboard between:</u>				
11	12mm Joints expansion joint between vertical concrete and brickwork not exceeding 300mm high.	m	3		
12	12mm Joints expansion joint between vertical concrete surfaces not exceeding 300mm high.	m	3		
	<u>JOINT SEALANTS ETC</u>				
	<u>Polysulphide sealing compound including backing cord, bond breaker, primer, etc</u>				
13	10 x 12mm In expansion joints in floors including raking out expansion joint filler as necessary	m	109		
Carried to Collection				R	
Section No. 7					
Bill No. 7					
Walkways, Ramps Etc					

BILL NO. 7
WALKWAYS, RAMPS ETC
COLLECTION

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Section No. 7
Bill No. 7
Walkways, Ramps Etc

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 7</u> <u>EXTERNAL WORKS</u> <u>BILL NO. 8</u> <u>PARKING AREA</u> <u>ROADS, RAMPS ETC (PROVISIONAL)</u> NOTE: Where items in this Bill are identical to those in the previous Bills, the descriptions have been shortened, and the full descriptions in the Trades concerned are to be referred to for the full meaning and intent of each <u>CPAP WORK GROUP</u> Unless otherwise stated all items in this bill will be Work Group 154. <u>ROADS</u> <u>EARTHWORKS</u>				
1				
Excavate for and strip off top soil to an average depth of 150mm, and deposit in spoil heaps on site for re-use, where directed.	m ²	200		
2				
Excavate for roadways not exceeding 2m deep, and deposit in spoil heaps.	m ³	60		
3				
Excavate for roadways not exceeding 2m deep, and spread and level over site and lightly compact.	m ³	60		
<u>Road bed preparation</u>				
4				
Scarify in-situ road bed surface to a depth of 150mm and compact to 93% Modified AASTO density at optimum moisture content.	m ²	200		
<u>Subbase</u>				
5				
G5 Natural gravel imported by the contractor in layers not exceeding 150mm, with a CBR less than 15 and a maximum particle size of 100mm, compacted to 95% Modified AASHTO density at optimum moisture content under concrete roads.	m ³	30		
6				
C4 Natural gravel imported by the contractor in layers not exceeding 150mm, with a CBR less than 15 and a maximum particle size of 37mm, compacted to 97 % Modified AASHTO density at optimum moisture contentf0 under brick paved roads.	m ³	30		
Carried to Collection			R	
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Bill No. 8				
Parking Area				

		Unit	Quantity	Rate	Amount
	<u>Selected layer</u>				
7	G7 Natural gravel in layers not exceeding 150 mm with a CBR of less than 15 and a maximum particle size of 100 mm, compacted to 95% Modified AASHTO density at optimum moisture content under concrete roads.	m ³	60		
8	G5 Natural gravel imported by the contractor in layers not exceeding 150mm, with a CBR less than 15 and a maximum particle size of 100mm, compacted to 97 % Modified AASHTO density at optimum moisture content under brick paved roads.	m ³	60		
	<u>Subgrade</u>				
9	Selected fill from spoilheaps on site in layers not exceeding 150 mm compacted to 93 % Modified AASHTO density at optimum moisture content.	m ³	60		
	<u>Sundries</u>				
10	Topsoil from the spoil heaps on site in filling behind kerbs.	m ³	72		
11	Extra over all excavations for carting away surplus excavated material.	m ³	120		
	<u>PRECAST CONCRETE, ETC</u>				
	Note :				
	Paving is to be laid in accordance with SABS 1200 MJ, SABS 1058 and the Concrete Masonry Association's specifications.				
	Precast Cement Concrete (25MPa) Interlocking Paving Bricks Size 200 x 100 x 80mm Thick Laid On And Including 25 mm Thick Sand Bed And With Sand/Cement Mix Swept Into Joints Between Pavers				
12	Paving to brick bond pattern to falls including forming soldier course perimeter margin. (Labour intensive).	m ²	400		
13	Circular cutting.	m	50		
	<u>Precast concrete (25MPa) finished smooth on exposed surfaces including bedding, jointing and pointing</u>				
14	Kerb as SABS 927 fig 8C size 300 x 200 mm high overall, laid in lengths not exceeding 1000mm on a well rammed earth bottom or base course, bedded on a 50mm thick x 300mm wide layer of 8.1 cement mortar with 175 x 175mm concrete (15MPa) triangular haunching behind kerb and jointed in 3.1 cement mortar.	m	80		
15	Ditto, but circular on plan to radius exceeding 4m.	m	50		
	Carried to Collection			R	
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	Parking Area				

		Unit	Quantity	Rate	Amount
16	Extra over fig. 8C kerb for transition kerb.	m	10		
	<u>WATERPROOFING</u>				
17	Rake out 10mm wide joint filler on top surfaces of concrete for a depth of 15mm and clean, prime and caulk with two component epoxy/polysulphide as Duraflex or other equal approved sealant.	m	20		
18	Clean out 5 x 20mm deep saw cut on top surfaces of concrete, insert 8mm closed cell polyethylene backing cord to a depth of 5mm, lay masking tape either side of sawcut, prime and caulk with two component epoxy/polysulphide as Duraflex or other equal approved sealant.	m	140		
19	Clean out 5 x 40mm deep saw cut on top surfaces of concrete and insert 11 x 19mm Presfit neoprene compression joint seal type PC102 or other equal approved seal.	m	60		
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BILL NO. 8
PARKING AREA
COLLECTION

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Parking Area

SECTION NO. 7
EXTERNAL WORKS
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Section No. 7
SECTION SUMMARY

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SECTION NO. 8
PROVISIONAL SUMS

SECTION NO. 8
PROVISIONAL SUMS

ELECTRICAL INSTALLATION

Electrical installation:

- 1 Provide the amount of R 2 100 000.00 (Two Million One Hundred Thousand Rands) for Electrical Installation.
- 2 Profit on above item.
- 3 Attendance on ditto

Item	2 100 000 00
Item	
Item	

CONTINGENCY AMOUNT

- 4 Provide the amount of R 560 000.00 (Five Hundred And Sixty Thousand Rands) for contingency amount to be used at the descretion of the Principal Agent

Item	
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CPAP

- 5 Allow the sum of R 500 000.00 (Five hundred thousand rands) for CPAP

Item	
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REMEDIAL WORKS

- 6 Provide the amount of R 300 000.00 (Three Hundred Thousand Rands) for remedial works

Item	
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RETAINING WALL

- 7 Provide the amount of R 600 000.00 (Six Hundred Thousand Rands) for retaining wall

Item	
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Section No. 8
Bill No. 1
Provisional Sums

