

PROVISIONAL BILLS OF QUANTITIES

FOR

**PORT ALFRED JUNIOR SECONDARY SCHOOL - THE MVULA TRUST FLUSH
MAINTENANCE PROGRAMME**

FOR

The Mvula Trust

ARCHITECTS

The Mvula Trust
67 - 69 Devereux Avenue
Berea
East London
5201

Tel. +27 43 726 2255
Fax: +27 43 726 5967
e Mail: info@themvulatrust.org.za

Principal Agent

Qapela Quantity Surveyors (Pty) Ltd
Tel. +27 43 721 1470
Fax: +27 86 726 3144
e Mail: zet@qapelaqs.co.za

QUANTITY SURVEYORS

Qapela Quantity Surveyors (Pty) Ltd
Quantity Surveyors
16 Jarvis Road
Berea
East London
5201

Tel. +27 43 721 1470
Fax: +27 86 726 3144
e Mail: zet@qapelaqs.co.za

INDEX TO BILLS OF QUANTITIES

<u>Bill No</u>	<u>Page No</u>
SECTION NO. 1: PRELIMINARIES AND GENERAL	1
1 PRELIMINARIES	2
Meaning Of Terms "Tender / Tenderer"	2
Preliminaries	2
Pricing Of Preliminaries	2
Section A: Jbcc Principal Building Agreement	2
Definitions	2
A1.0 Definitions And Interpretation	2
Objective And Preparation	3
A2.0 Offer, Acceptance And Performance	3
A3.0 Documents	4
A4.0 Design Responsibility	4
A5.0 Employer's Agents	4
A6.0 Site Representative	4
A7.0 Compliance With Regulations	4
A8.0 Works Risk	4
A9.0 Indemnities	4
A10.0 Works Insurances	4
A11.0 Liability Insurances	7
A12.0 Effecting Insurances	7
A13.0 No Clause	7
A14.0 Security	7
14.1.1 The Payment Reduction Of The Value Certified In A Payment Certificate Shall Be Mutatis Mutandi In Terms Of 31.8(A)	7

Execution	7
A15.0 Preparation For And Execution Of The Works	7
A16.0 Access To The Works	8
A17.0 Contract Instructions	8
A18.0 Setting Out Of The Works	8
A19.0 Assignment	8
A20.0 Nominated Subcontractors	8
A21.0 Selected Subcontractors	8
A22.0 Employer's Direct Contractors.	8
A23.0 Contractor's Domestic Subcontractors	8
Completion	9
A24.0 Practical Completion	9
A25.0 Works Completion	9
A26.0 Final Completion	9
A27.0 Latent Defects Liability Period	9
A28.0 Sectional Completion	9
A29.0 Revision Of Date For Practical Completion.	9
A30.0 Penalty For Non-completion	9
Payment	9
A31.0 Interim Payment To The Contractor	9
A32.0 Adjustment To The Contract Value	10
A33.0 Recovery Of Expense And Loss	10
A34.0 Final Account And Final Payment	10
A35.0 Payment To Other Parties	11
Cancellation	11
A36.0 Cancellation By Employer - Contractor's Default	11

A37.0 Cancellation By Employer - Loss And Damage	11
A38.0 Cancellation By Contractor - Employer's Default	11
A39.0 Cancellation - Cessation Of The Works	12
Dispute	12
A40.0 Dispute Settlement.	12
Substitute Provisions	12
A41.0 State Clauses	12
Contract Variables.	12
A42.0 The Schedule (C1.2)	12
Section B: Jbcc Preliminaries	12
B1.0 Definitions And Interpretation	12
B2.0 Documents	13
B3.0 The Site	13
B4.0 Management Of Contract.	14
B5.0 Samples, Shop Drawings And Manufacturers' Instructions	14
B6.0 Temporary Works And Plant.	14
B7.0 Temporary Services.	14
B8.0 Prime Cost Amounts	15
B9.0 Attendance On N/s Subcontractors.	15
B10.0 Financial Aspects.	15
B11.0 General.	15
B12.0 Schedule Of Variables	16
Section C: Specific Preliminaries	18
C9.0 Encroachment.	20
2 HEALTH AND SAFETY.	27
Note:	27

Supplementary Preambles	27
Occupational Health And Safety	27
General:	27
C16. Covid-19 Compliance Measures	28
SECTION SUMMARY	30
SECTION NO. 2: BUILDING WORKS	31
1 ALTERATIONS.	32
Demolitions	32
Carpentry And Joinery	32
Ceilings And Partitions.	32
Plumbing And Drainage	32
Plastering	33
Tiling	33
Glazing	33
Refurbishment, Preparatory Works, Etc.	34
Metal Work	34
2 WATERPROOFING	36
Liquid Waterproofing (Labour Intensive)	36
Waterstops, Sealing Strips, Joint Sealants, Etc.	36
3 ROOF COVERINGS, ETC.	37
Profiled Sheeting Of Metal, Fibre Cement, Plastic, Etc.	37
Existing Roof Coverings.	37
4 CARPENTRY AND JOINERY.	38
Carpentry	38
5 CEILINGS, PARTITIONS AND ACCESS FLOORING	41
Internal Nailed Up Ceilings.	41

6 IRONMONGERY	42
Ironmongery To Timber	42
7 METALWORK	45
Steel	45
Welded Galvanised Screens, Gates, Etc.	45
Hot Dipped Galvanised Steel Windows, Doors, Etc	45
8 PLASTERING	46
Plaster	46
9 TILING	47
Internal Floor Tiling	47
Internal Wall Tiling	47
10 PLUMBING AND DRAINAGE	48
Gutters, Etc.	48
Pipework, Etc.	48
Water Supplies	48
Soil Drainage	49
Sanitary Fittings, Tanks, Geysers, Etc.	49
11 GLAZING	53
Glazing	53
Glazing To Wood With Pinned Beads	53
12 PAINTWORK	54
Redecoration Of Existing	54
Previously Painted Concrete, Plaster, Etc	54
Previously Painted Gypsum Plasterboard	54
Previously Painted Fibre Cement	54
Previously Painted Metalwork	55

Paint On Timber	55
Previously Unpainted Ceramic Or Stainless Steel	55
New Works	55
Paint On Timber	55
Paint On Metalwork	56
SECTION SUMMARY	58
SECTION NO. 3: EXTERNAL WORKS (PROVISIONAL)	59
1 EXTERNAL WORKS	60
Temporary Barriers, Screens, Etc.	60
Temporary Hoarding	60
Existing Services	62
New Works	62
Manholes, Etc.	63
The Following In Elevated Tanks And Ground Storage (All Trades).	64
Excavations, Filling, Etc.	64
Concrete (Labour Intensive)	64
Reinforcement (Provisional)	65
Plumbing And Drainage	65
Alterations To Existing	65
SECTION SUMMARY	69
SECTION NO. 4: WORK TO BE EXECUTED BY SMME'S	70
1 WORK TO BE EXECUTED BY SMME's	71
Supplementary Preambles	71
Accridited Training For Smme's	71
Quality Testing Of Smme's Works And Material.	71
Smme's Workmanship Sample Construction.	72

Repairs To Existing Temporary Classrooms To Be Executed By Smme's	72
Roof Truss Strengthening To Be Executed By Smme's.	72
Walkways To Be Executed By Smme's.	72
Rainwater Tanks And Stands To Be Executed By Smme's.	72
Security Fencing Around Tanks To Be Executed By Smme's	73
Provision Of Temporary Toilets During The Construction Period.	73
SECTION SUMMARY.	75
SECTION NO. 5: PROVISIONAL SUMS, ETC.. . . .	76
Provisional Sums, Budgetary Allowances, Etc.. . . .	77
Budgetary Allowances	77
SECTION SUMMARY.	78

SECTION NO. 1
PRELIMINARIES AND GENERAL

SECTION NO. 1**PRELIMINARIES AND GENERAL****BILL 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 2103, May 2005 edition for use with the JBCC Principal Building Agreement Edition 4.1 Code 2101, March 2005 is taken to be incorporated herein. The tenderer is deemed to have referred to these documents for the full intent and meaning of each clause. These clauses are referred to by number and heading only. Where standard clauses or options are not applicable to the contract such modifications or corrections as are necessary are given under each relevant clause. Where an item is not relevant to this specific contract such item is marked "N/A" signifying "Not Applicable"

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 and the respective amounts entered in the spaces provided under each item

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****A1.0 DEFINITIONS AND INTERPRETATION**

Clause 1.0 Clause 1.1 Definition of "Commencement Date" is added:

"COMMENCEMENT DATE" means the date that is 10 working days after site hand over.

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

"CONSTRUCTION GUARANTEE" means a guarantee at call obtained by the contractor from an institution approved by the employer in terms of the employer's construction guarantee form as selected in the schedule

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 "Corrupt Practice" is added:

Carried to Collection

R

Section No. 1
Bill No. 1
Preliminaries

"CORRUPT PRACTICE" means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution

Clause 1.1 Definition of "Fraudulent Practice" is added:

"FRAUDULENT PRACTICE" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of any tenderer and includes collusive practice among tenderers (prior to or after the tender submission) designed to establish tender prices at artificial non-competitive levels and to deprive the tenderer of the benefits of free and open competition

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: (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 1.1 Definition of "Principal Agent" is amended by replacing it with the following:

"PRINCIPAL AGENT" means the person or entity appointed by the employer and named in the schedule. In the event of a principal agent not being appointed, then all the duties and obligations of a principal agent as detailed in the agreement shall be fulfilled by a representative of the employer as named in the schedule

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

"SECURITY" means the form of security provided by the employer or contractor, as stated in the schedule, from which the contractor or employer may recover expense or loss.

Clause 1.6 is amended by replacing the words "prepaid registered post, telefax or e-mail" with "prepaid registered post or telefax"

Clause 1.6.4 is amended by replacing it with the following:

1 No clause

F: V: T:

OBJECTIVE AND PREPARATION

A2.0 OFFER, ACCEPTANCE AND PERFORMANCE

2 Clause 2.0

F: V: T:

Item

Item

Carried to Collection

R

Section No. 1
Bill No. 1
Preliminaries

A3.0 DOCUMENTS

- 3 Clause 3.2.1 is amended by replacing "14.1" with "14.0"

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

Clause 3.10 is amended by replacing the second reference to "principal agent" with the word "employer"

F: V: T:

A4.0 DESIGN RESPONSIBILITY

- 4 Clause 4.0

Clause 4.3 is amended by replacing it with the following:

No clause

F: V: T:

A5.0 EMPLOYER'S AGENTS

- 5 Clause 5.0 Clause 5.1.2 is amended to include clauses 32.6.3, 34.3 and 34.4 in terms of which the employer has retained its authority and has not given a mandate to the principal agent and in terms of which the employer shall sign all documents.

F: V: T:

A6.0 SITE REPRESENTATIVE

- 6 Clause 6.0

F: V: T:

A7.0 COMPLIANCE WITH REGULATIONS

- 7 Clause 7.0

F: V: T:

A8.0 WORKS RISK

- 8 Clause 8.0

F: V: T:

A9.0 INDEMNITIES

- 9 Clause 9.0

F: V: T:

A10.0 WORKS INSURANCES

- 10 Clause 10.0

Clause 10.0 is amended by the addition of the following clauses:

Carried to Collection

R

Section No. 1
Bill No. 1
Preliminaries

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 materials 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 negligence 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 negligence of any person for whose actions the employer is legally liable

(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 obtain adequate insurance and will remain adequately insured or insured to the specific limit stated in the contract against the death of or injury to persons or damage to such property consequent on such removal or interference with the support until such portion of the works has been completed

Carried to Collection

R

Section No. 1
Bill No. 1
Preliminaries

(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

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

F: V: T:

Carried to Collection

Item

R

Section No. 1
Bill No. 1
Preliminaries

	<u>A11.0 LIABILITY INSURANCES</u>		
11	Clause 11.0 F: V: T:	Item	
	<u>A12.0 EFFECTING INSURANCES</u>		
12	Clause 12.0 F: V: T:	Item	
	<u>A13.0 No clause</u>		
	<u>A14.0 SECURITY</u>		
	Clause 14.0 Clauses 14.1 - 14.8 are amended by replacing them with the following: 14.1 The security to be submitted by the contractor to the employer will be as a payment reduction of up to ten per cent (10%) of the value certified in the payment certificate (excluding VAT) <u>14.1.1 The payment reduction of the value certified in a payment certificate shall be mutatis mutandi in terms of 31.8(A)</u> 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 14.2 Where security as a payment reduction of ten per cent (10%) of the value certified in the payment certificate (excluding VAT) has been selected: 14.2.1 The payment reduction of the value certified in a payment certificate shall be mutatis mutandi in terms of 31.8(B) 14.2.2 The employer shall be entitled to recover expense and loss from the payment reduction in terms of 33.0 provided that the employer complies with the provisions of 33.4 in which event the employer's entitlement shall take precedence over his obligations to refund the payment reduction security or portions thereof to the contractor		
13	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 F: V: T:	Item	
	<u>EXECUTION</u>		
	<u>A15.0 PREPARATION FOR AND EXECUTION OF THE WORKS</u>		
	Clause 15.0 Clause 15.1.1 is amended by replacing it with: No clause Clause 15.1.2 is amended by replacing it with: The security selected in terms of 14.0		
	Carried to Collection	R	
	Section No. 1		
	Bill No. 1		
	Preliminaries		

	<p>Clause 15.1 is amended by the addition of the following clause:</p> <p>15.1.4 An acceptable health and safety plan, required in terms of the Occupational Health and Safety Act, 1993 (Act 85 of 1993), within fourteen (14) calendar days of commencement date</p> <p>Clause 15.2.1 is amended by replacing it with the following clause:</p>		
14	<p>Give the contractor possession of the site within ten (10) working days of the contractor complying with the terms of 15.1.4</p> <p>F: V: T:</p> <p><u>A16.0 ACCESS TO THE WORKS</u></p>	Item	
15	<p>Clause 16.0</p> <p>F: V: T:</p> <p><u>A17.0 CONTRACT INSTRUCTIONS</u></p>	Item	
16	<p>Clause 17.0 Clause 17.1.11 is amended by deleting the words "and the appointment of nominated and selected subcontractors"</p> <p>F: V: T:</p> <p><u>A18.0 SETTING OUT OF THE WORKS</u></p>	Item	
17	<p>Clause 18.0</p> <p>F: V: T:</p> <p><u>A19.0 ASSIGNMENT</u></p>	Item	
18	<p>Clause 19.0</p> <p>F: V: T:</p> <p><u>A20.0 NOMINATED SUBCONTRACTORS</u></p>	Item	
19	<p>Clause 20.0 Clause 20.1.3 is amended by replacing it with the following:</p> <p>No clause</p> <p>Note: See item B9.1 hereinafter for adjustment of attendance on nominated subcontractors executing work allowed for under provisional sums</p> <p>F: V: T:</p> <p><u>A21.0 SELECTED SUBCONTRACTORS</u></p>	Item	
20	<p>Clause 21.0 Clause 21 is amended by replacing it with:</p> <p>No clause</p> <p>F: V: T:</p> <p><u>A22.0 EMPLOYER'S DIRECT CONTRACTORS</u></p>	Item	
21	<p>Clause 22.0</p> <p>F: V: T:</p> <p><u>A23.0 CONTRACTOR'S DOMESTIC SUBCONTRACTORS</u></p>	Item	
22	<p>Clause 23.0</p> <p>F: V: T:</p>	Item	

Carried to Collection

R

Section No. 1
 Bill No. 1
 Preliminaries

A24.0 PRACTICAL COMPLETION

Item

A25.0 WORKS COMPLETION

Item

A26.0 FINAL COMPLETION

Item

A27.0 LATENT DEFECTS LIABILITY PERIOD

Item

A28.0 SECTIONAL COMPLETION

Item

A29.0 REVISION OF DATE FOR PRACTICAL COMPLETION

Item

A30.0 PENALTY FOR NON-COMPLETION

Item

PAYMENT

A31.0 INTERIM PAYMENT TO THE CONTRACTOR

Item

31.8(A) Where a security is selected in terms of 14.1; the value of the works in terms of 31.4.1 and materials and goods in terms of 31.4.2 shall be certified in full. The value certified shall be subject to the following percentage adjustments:

R

9

10

35	<u>A35.0 PAYMENT TO OTHER PARTIES</u>	Item	
	Clause 35.0 F: V: T:		
	<u>CANCELLATION</u>		
	<u>A36.0 CANCELLATION BY EMPLOYER - CONTRACTOR'S DEFAULT</u>		
	Clause 36.0 Clause 36.1 is amended by the addition of the following clauses: 36.1.3 refuses or neglects to comply strictly with any of the conditions of contract 36.1.4 estate being sequestrated, liquidated or surrendered in terms of the insolvency laws in force within the Republic of South Africa 36.1.5 in the judgement of the employer, has engaged in corrupt or fraudulent practices in competing for or in executing the contract 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	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	
	F: V: T:		
	<u>A37.0 CANCELLATION BY EMPLOYER - LOSS AND DAMAGE</u>		
	Clause 37.0 Clause 37.3.5 is amended by replacing "ninety (90)" with "one hundred and twenty (120)"		
37	Clause 37.0 is amended by the addition of the following clause: 37.3.5 Replace "ninety (90)" with "one hundred and twenty (120)" and 38.5.4 F: V: T:	Item	
	<u>A38.0 CANCELLATION BY CONTRACTOR - EMPLOYER'S DEFAULT</u>		
	Clause 38.0 Clause 38.5.4 is amended by replacing "ninety (90)" with "one hundred and twenty (120)" Clause 38.0 is amended by the addition of the following clause:		
Section No. 1 Bill No. 1 Preliminaries		R	
		Carried to Collection	

- 38 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

F: V: T:

A39.0 CANCELLATION - CESSATION OF THE WORKS

- 39 Clause 39.0

Clause 39.3.5 is amended by the addition of the following at the end of the sentence:

"within one hundred and twenty (120) working days of completion of such a report"

F: V: T:

DISPUTE

A40.0 DISPUTE SETTLEMENT

- 40 Clause 40.0

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 costs concerning the mediation and equally share the costs of the mediator and related costs

F: V: T:

SUBSTITUTE PROVISIONS

A41.0 STATE CLAUSES

- 41 Clause 41.0

F: V: T:

CONTRACT VARIABLES

A42.0 THE SCHEDULE (C1.2)

- 42 Clause 42.0 Tenderers are referred to the C1.2 CONDITIONS OF CONTRACT AND CONTRACT VARIABLES for variables pertaining to this contract

F: V: T:

SECTION B: JBCC PRELIMINARIES

B1.0 DEFINITIONS AND INTERPRETATION

- 43 B1.1 Definitions and interpretation

Carried to Collection

R

Section No. 1
Bill No. 1
Preliminaries

Item

B2.0 DOCUMENTS

Item

Item

Item

Item

Item

Item

B3.0 THE SITE

Item

Item

Item

Item

Item

Item

Item

Item

Item

Item

Carried to Collection

R

13

60 B3.11 Inspection of adjoining properties Item
F: V: T:

B4.0 MANAGEMENT OF CONTRACT

61 B4.1 Management of the works Item
F: V: T:

62 B4.2 Programme for the works Item
F: V: T:

63 B4.3 Progress meetings Item
F: V: T:

64 B4.4 Technical meetings Item
F: V: T:

65 B4.5 Labour and plant records Item
F: V: T:

B5.0 SAMPLES, SHOP DRAWINGS AND MANUFACTURERS' INSTRUCTIONS

66 B5.1 Samples of materials Item
F: V: T:

67 B5.2 Workmanship samples Item
F: V: T:

68 B5.3 Shop drawings Item
F: V: T:

69 B5.4 Compliance with manufacturers' instructions Item
F: V: T:

B6.0 TEMPORARY WORKS AND PLANT

70 B6.1 Deposits and fees Item
F: V: T:

71 B6.2 Enclosure of the works Item
F: V: T:

72 B6.3 Advertising Item
F: V: T:

73 B6.4 Plant, equipment, sheds and offices Item
F: V: T:

74 B6.5 Main notice board Item
F: V: T:

75 B6.6 Subcontractors' notice board Item
F: V: T:

B7.0 TEMPORARY SERVICES

76 B7.1 Location Item
F: V: T:

Carried to Collection

R

Section No. 1
Bill No. 1
Preliminaries

			Amount
77	B7.2 Water F: V: T:	Item	
78	B7.3 Electricity F: V: T:	Item	
79	B7.4 Telecommunication facilities F: V: T:	Item	
80	B7.5 Ablution facilities F: V: T:	Item	
<u>B8.0 PRIME COST AMOUNTS</u>			
81	B8.1 Responsibility for prime cost amounts F: V: T:	Item	
<u>B9.0 ATTENDANCE ON N/S SUBCONTRACTORS</u>			
82	B9.1 General attendance F: V: T:	Item	
83	B9.2 Special attendance F: V: T:	Item	
84	B9.3 Commissioning - fuel, water and electricity F: V: T:	Item	
<u>B10.0 FINANCIAL ASPECTS</u>			
85	B10.1 Statutory taxes, duties and levies F: V: T:	Item	
86	B10.2 Payment for preliminaries F: V: T:	Item	
87	B10.3 Adjustment of preliminaries Clauses B10.3.1 and B10.3.2 are amended by replacing "within fifteen (15) working days of taking possession of the site" with "when submitting his priced bills of quantities / lump sum document" F: V: T:	Item	
88	B10.4 Payment certificate cash flow F: V: T:	Item	
<u>B11.0 GENERAL</u>			
89	B11.1 Protection of the works F: V: T:	Item	
90	B11.2 Protection / isolation of existing / sectionally occupied works F: V: T:	Item	
91	B11.3 Security of the works F: V: T:	Item	
92	B11.4 Notice before covering work F: V: T:	Item	
Carried to Collection			
Section No. 1			
Bill No. 1			
Preliminaries			

93	B11.5 Disturbance	Item
	F: V: T:	
94	B11.6 Environmental disturbance	Item
	F: V: T:	
95	B11.7 Works cleaning and clearing	Item
	F: V: T:	
96	B11.8 Vermin	Item
	F: V: T:	
97	B11.9 Overhand work	Item
	F: V: T:	
98	B11.10 Instruction manuals and guarantees	Item
	F: V: T:	
99	B11.11 As built information	Item
	F: V: T:	
100	B11.12 Tenant installations	Item
	F: V: T:	

B12.0 SCHEDULE OF VARIABLES

101	B12.1 Schedule of variables	Item
-----	-----------------------------	------

F: V: T:

This schedule contains all variables referred to in this document and is divided into pre-tender and post-tender categories. The pre-tender category must be completed in full and included in the tender documents. Both the pre-tender and post-tender categories form part of these Preliminaries

Spaces requiring information must be filled in, shown as "not applicable" or deleted and not left blank. Where choices are offered, the non-applicable items are to be deleted. Where insufficient space is provided the information should be annexed hereto and cross-referenced to the applicable clause of the schedule. Key cross reference clauses are italicised in [] brackets

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 documentation is complete YES

12.1.3 Interests of agents

[2.4] Details:

12.1.4 Defined works area

[3.1] Details:

12.1.5 Geotechnical investigation

[3.2] Details:

Carried to Collection

R

Section No. 1
Bill No. 1
Preliminaries

12.1.6 Existing premises occupied

[3.4] Specific requirements:

12.1.7 Previous work - dimensional accuracy

[3.5] Details:

12.1.8 Previous work - defects

[3.6] Details:

12.1.9 Services - known

[3.7] Details:

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 contractor shall provide, maintain and remove on completion of the works an office for the exclusive use of the principal agent, minimum size 4 x 3 x 3m high internally, suitably insulated and ventilated, provided with electric lighting and fitted with boarded floor, desk, chair, drawing stool, drawing board and lock-up drawers for drawings. The office shall be kept clean and fit for use at all times

12.1.14 Main notice board

[6.5] Specific requirements:

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

12.1.15 Subcontractors' notice board

[6.6] A notice board is required: (yes/no) NO

Specific requirements:

12.1.16 Water

[7.2] Option A (by contractor) (yes/no) NO

Option B (by employer - free of charge) (yes/no) NO

Option C (by employer - metered) (yes/no) YES

Carried to Collection

R

Section No. 1

Bill No. 1

Preliminaries

12.1.17 Electricity

[7.3] Option A (by contractor) (yes/no) NO

Option B (by employer - free of charge) (yes/no) NO

Option C (by employer - metered) (yes/no) YES

12.1.18 Telecommunications

[7.4] Telephone (yes/no) YES

Facsimile (yes/no) YES

(yes/no) YES

E-mail

12.1.19 Ablution facilities

[7.5] Option A (by contractor) (yes/no) YES

Option B (by employer) (yes/no) NO

12.1.20 Protection of existing/sectionally occupied works

[11.2] Protection is required (yes/no) NO

12.1.21 Special attendance

[9.2] Subcontractor (1) details:

Subcontractor (2) details:

Subcontractor (3) details:

Subcontractor (4) details:

12.1.22 Protection of the works

[11.1] Specific requirements:

12.1.23 Disturbance

[11.5] Specific requirements:

The contractor shall keep the site, structures, etc well watered during operations to prevent dust and shall provide and erect and remove on completion of the works all necessary temporary dust screens all to the satisfaction of the principal agent

12.1.24 Environmental disturbance

[11.6] Specific requirements:

12.2 POST-TENDER INFORMATION

12.2.1 Payment of preliminaries

[10.2] Option A (prorated) (yes/no) NO

Option B (calculated) (yes/no) YES

12.2.2 Adjustment of preliminaries

[10.3] Option A (three categories) yes/no) NO

Option B (detailed breakdown) (yes/no) YES

12.2.3 Additional agreed preliminaries items Details:

SECTION C: SPECIFIC PRELIMINARIES

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

Carried to Collection

R

Section No. 1

Bill No. 1

Preliminaries

		Amount
	C1.0 PROPRIETARY BRANDED PRODUCTS	
102	<p>The contractor shall take delivery of, handle, store, use, apply and/or fix all proprietary branded products in strict accordance with the manufacturer's instructions after consultation with the manufacturer's authorised representative.</p> <p>F: V: T:</p>	Item
	C2.0 TADES NAMES, ETC.	
103	<p>All materials, fittings, finishings, etc., specified hereinafter under a trade name, catalogue number or reference, must be exactly as described. The Architect's approval in writing must be obtained for the use of any alternative to the specification before the submission of tenders otherwise the specified materials, fittings, finishings, etc., will be assumed to have been allowed for in the tender.</p> <p>The Contractor must take delivery of, handle, store, use, apply and/or fix all proprietary branded products in strict accordance with the manufacturer's instructions after consultation with the manufacturer's authorised representative.</p> <p>F: V: T:</p>	Item
	C3.0 CONTRACTORS RESPONSIBILITY	
104	<p>The Employer, the Principal Agent and the other professional consultants shall not be responsible for any act or omission on the part of the Contractor which may result in any patent or latent defects, in materials or workmanship, breach or neglect of any local regulations. The Contractor shall at all times be responsible for any such neglect, deviation or wrong act, whether the same is discovered before or after the final certificate, or any other Certificate, has been approved.</p> <p>F: V: T:</p>	Item
	C4.0 OVERTIME	
105	<p>Should overtime be required to be worked for any reason whatsoever, the costs of such overtime are to be borne by the contractor unless the principal agent has specifically authorised in writing, prior to the execution thereof, that costs for such overtime are to be borne by the employer.</p> <p>F: V: T:</p>	Item
	C5.0 AS BUILT DRAWINGS	
106	<p>The position of construction breaks and the extent of individual concrete pours are to be recorded by the contractor on the structural engineer's drawings and are to be submitted to the principal agent and the structural engineer for their records.</p> <p>Three full sets of as-built drawings shall be submitted to the Principal Agent no later than fourteen days after practical completion.</p> <p>F: V: T:</p>	Item
	C6.0 CONSTRUCTION INSTRUCTIONS	
	Carried to Collection	R
	Section No. 1	
	Bill No. 1	
	Preliminaries	

107 Contract instructions issued on site are to be recorded in triplicate in a site instruction book which is to be maintained on site by the Contractor. The Contractor shall supply and have available at the site of the works at all times, the following site books:

a) Construction Instruction Book:

Receiving and recording instructions in a suitable A4 size triplicate book kept on site. Instructions issued shall be recorded by the Architect or other Employer's Agents to whom the Architect has delegated authority to in the book.

Only instructions issued in such book shall be recognised.

b) Daily Record Book:

The Contractor shall record in triplicate in a suitable A4 size triplicate book kept at the site, a daily record of work done, all site visits by the Principal Agent and other professional personnel and all events affecting the Works, such as progress, issue of plans, breakdown of machinery, etc. The labour, plant and material on site shall be recorded as well as work performed. Entries must be made by the Contractor and must be signed and forwarded to the Principal Agent for his counter-signature on a daily basis. Copies of these records shall be for the Architect, Quantity Surveyor and Contractor.

F: V: T:

C7.0 LABOUR RECORD

108 At the end of each week the contractor shall provide the principal agent with a written record, in schedule form, reflecting the number and description of tradesmen and labourers employed by him and all subcontractors on the works each day.

F: V: T:

C8.0 PLANT RECORD

109 At the end of each week the contractor shall provide the principal agent with a written record, in schedule form, reflecting the number, type and capacity of all plant, excluding hand tools, currently used on the works.

F: V: T:

C9.0 ENCROACHMENT

110 During the course of the building operations, the Contractor shall be held entirely responsible for any encroachment onto any adjoining properties, buildings, etc., or servitudes and the cost of any remedial measures as required by the Principal Agent shall be borne by the Contractor.

F: V: T:

C10.0 METHOD STATEMENT

Carried to Collection

R

Section No. 1
Bill No. 1
Preliminaries

		Amount
111	<p>The Tenderer shall produce, when required to do so by the Principal Agent, a Method Statement outlining the methods of construction and labour and plant resources that he proposes to use in the execution of the Works. Any approval given or observation made by the Principal Agent shall not relieve the Contractor of his sole responsibility to adopt the methods of construction and to provide the labour and plant resources necessary for the due and proper timeous execution of the Works.</p> <p>F: V: T:</p> <p>C11.0 UNAUTHORISED PERSONS/WORKMEN ON PREMISES</p>	Item
112	<p>The Contractor shall at all times strictly exclude all unauthorised persons from the Works and the site and shall set up notice boards to that effect.</p> <p>No workmen or labourers (except security guards) are to be allowed under any circumstances to sleep or deposit any kit on the premises. The Contractor must provide any necessary independent shelter or shed required for any labour or watchmen on site, to the approval of the Employer.</p> <p>F: V: T:</p> <p>C12.0 MODE OF PROCEDURE</p>	Item
113	<p>Notwithstanding anything to the contrary contained herein the Principal Agent at all times reserves the right to direct the order in which the various parts of the Contract are to be executed. The Contractor shall give priority to any individual section or portion of the Works that, in the opinion of the Principal Agent, requires to be expedited.</p> <p>Should it appear, in the Principal Agent's opinion, that work in any area is not being executed in accordance with the requirements of the Contract Programme, the Contractor shall provide additional manpower and resources and shall work additional overtime and do everything else required to bring the work back to programme to the satisfaction of the Principal Agent and to the Contractor's cost.</p> <p>F: V: T:</p> <p>C13.0 LOCATION OF TEMPORARY BUILDINGS AND TEMPORARY SERVICES</p>	Item
114	<p>The Contractor shall provide all necessary temporary works, including temporary roads, tracks, crossings, hardstanding and services, hoardings, dust screens, tunnelling, etc., required for his own and sub-contractors use during the construction and maintenance period.</p> <p>There is no guarantee given or implied that Site conditions will be such that the Contractor will be able to erect such temporary works, roads, hardhats, offices, stores and temporary accommodation within the site boundaries and it shall be the Contractor's responsibility to adopt whatever measures he deems necessary in this regard and to obtain all necessary permission and pay all costs in connection therewith.</p> <p>F: V: T:</p> <p>C14.0 OFFICE ACCOMMODATION</p>	Item
Carried to Collection		R
Section No. 1		
Bill No. 1		
Preliminaries		

		Amount
115	<p>The contractor shall provide, maintain and remove on practical completion air conditioned office accommodation with suitable tables and chairs for meetings to be held on the site. Such offices shall be kept clean and fit for use at all times [12.2.18]</p> <p>F: V: T:</p> <p>C15.0 STORAGE FACILITIES</p>	Item
116	<p>The Contractor shall provide a Container for storage of materials.</p> <p>F: V: T:</p> <p>C16.0 REMOVAL AND MAKING GOOD OF TEMPORARY WORKS, ETC, ON COMPLETION</p>	Item
117	<p>The Contractor shall remove (except where specifically stated otherwise) all temporary works, roads, services and the like used for this contract and shall make good to the entire satisfaction of the Principal Agent any damage resulting therefrom.</p> <p>F: V: T:</p> <p>C17.0 CONTRACT DRAWINGS</p>	Item
118	<p>The drawings issued with the tender documents do not comprise the complete set but serve as a guide only for tendering purposes and for indicating the scope of the work to enable the tenderer to acquaint himself with the nature and extent of the works and the manner in which they are to be executed Should any part of the drawings not be clearly understood by the tenderer he shall, before submitting his tender, obtain clarification in writing from the principal agent</p> <p>F: V: T:</p> <p>C18.0 GENERAL PREAMBLES</p>	Item
119	<p>The document "Specification of Materials and Methods to be used - PW371 - A Edition 2.1 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (Edition 2.1 July 2014)." is obtainable on the Department's website (http://www.publicworks.gov.za/ under "Consultants Guidelines"), and shall be read in conjunction with the bills of quantities / lump sum document and be referred to for the full descriptions of work to be done and materials to be used</p> <p>F: V: T:</p> <p>C19.0 TRADE NAMES</p>	Item
120	<p>Wherever a trade name for any product has been described in the bills of quantities / lump sum document, the tenderer's attention is drawn to the fact that any other product of equal quality may be used subject to the written approval of the principal agent being obtained prior to the closing date for submission of tenders If prior written approval for an alternative product is not obtained, the product described shall be deemed to have been tendered for</p> <p>F: V: T:</p> <p>C20.0 HIV/AIDS AWARENESS</p>	Item
Carried to Collection		R
Section No. 1		
Bill No. 1		
Preliminaries		

- 121 It is required of the contractor to thoroughly study the HIV/AIDS Specification (PW 1544) of the Department that must be read together with and is deemed to be incorporated under this Section of the bills of quantities / lump sum document. Provision for pricing of HIV/AIDS awareness is made under items C10.1 to C10.5 hereafter and it is explicitly pointed out that all requirements of the aforementioned specification are deemed to be priced hereunder, as the said items represent the only method of measurement and no additional items or extras to the contract in this regard shall be entertained. The contractor must take note that compliance with the HIV/AIDS Specification is compulsory. In the event of partial or total non-compliance, the principal agent, notwithstanding the provisions of clause A 31.0 of Section A or any other clause to the contrary, reserves the right to delay issuing any progress payment certificate until the contractor provides satisfactory proof of compliance. The contractor shall not be entitled to any compensation of whatsoever nature, including interest, due to such delay of payment

Item

F: V: T:

C20.1 AWARENESS CHAMPION

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

Item

F: V: T:

C20.2 AWARENESS WORKSHOPS

- 123 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

Item

F: V: T:

C20.3 POSTERS, BOOKLETS, VIDEOS, ETC.

- 124 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

Item

F: V: T:

C20.4 ACCESS TO CONDOMS

- 125 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

Item

F: V: T:

C20.5 MONITORING

Carried to Collection

R

Section No. 1

Bill No. 1

Preliminaries

- 126 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

Item

F: V: T:

C21.0 MAIN CONTRACTOR SMME MANAGEMENT

- 127 Company and head office overhead costs for the management of SMME's in accordance with the contract conditions, including the provision of a dedicated individual to fulfil this function (minimum of **three SMME** will be utilised). Training of SMME's in building up BOQ rates at the start of the project is to be priced in this item.

Item

F: V: T:

C22.0 SMME PRELIMINARIES AND GENERAL

- 128 Preliminary and general costs for a minimum of **three SMME** including site representatives, offices, storage sheds, tools, equipment, water supplies, electric power, communications, dealing with water and access, temporary works, plant, works cleaning and clearing, etc.

Item

F: V: T:

Carried to Collection

R

Section No. 1
Bill No. 1
Preliminaries

BILL NO. 1
PRELIMINARIES
COLLECTION

Page No

Brought Forward from Page

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

Carried To Section Summary

R

Section No. 1
Bill No. 1
Preliminaries

PORT ALFRED JSS
Amount

Section No. 1
Bill No. 1
Preliminaries

Carried To Section Summary

R

HEALTH AND SAFETY

General:

- | | | |
|---|--|------|
| 1 | Preparation of Contractor's site specific Health and Safety Plan. | Item |
| 2 | Submission of the Health and Safety File. | Item |
| 3 | Principal Contractor's initial obligations in respect of the OHS Act and Construction Regulations. | Item |

R

27

28

BILL NO. 2
HEALTH AND SAFETY
COLLECTION

Page No

Brought Forward from Page

27

28

Carried To Section Summary

R

Section No. 1
Bill No. 2
Health And Safety

SECTION NO. 1

PRELIMINARIES AND GENERAL

SECTION SUMMARY

Bill No.

Page

- | | |
|---|-------------------|
| 1 | PRELIMINARIES |
| 2 | HEALTH AND SAFETY |

26

29

Carried to Final Summary

R

Section No. 1
SECTION SUMMARY

SECTION NO. 2
BUILDING WORKS

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 2</u>				
<u>BUILDING WORKS</u>				
<u>BILL NO. 1</u>				
<u>ALTERATIONS</u>				
For Preambles see "PW 371 - A Edition 2.1 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (Edition 2.1 July 2014).				
<u>DEMOLITIONS</u>				
Ordinary demolitions				
Reference hereunder to cart away shall mean carting off site to a dumping site to be located by the Contractor.				
<u>ROOF COVERINGS, ETC.</u>				
1 Take down and cart away galvanised IBR profile roof covering fixed to steel or timber.	m ²	10		
<u>CARPENTRY AND JOINERY</u>				
<u>Roof structures:</u>				
2 Demolish and cart away timber purlins.	m	20		
<u>Timber doors and frames:</u>				
3 Take out from one brick wall and cart away single timber door and frame size 813mm wide x 1800mm high including preparing reveals to receive new frame (elsewhere).	No	15		
4 Take out from one brick wall and cart away single timber door and frame size 900mm wide x 2100mm high including preparing reveals to receive new frame (elsewhere).	No	2		
<u>CEILINGS AND PARTITIONS</u>				
<u>Internally:</u>				
5 Take down and cart away fibre cement ceilings approximately 2800mm from ground level including all cornices, bandering, supporting structures, etc.	m ²	3		
6 Take down and cart away gypsum coved cornice.	m	20		
<u>PLUMBING AND DRAINAGE</u>				
<u>Externally:</u>				
7 Take down and cart away Upvc half round gutter including accessories.	m	21		
Carried to Collection			R	
Section No. 2				
Bill No. 1				
Alterations				

		Unit	Quantity	Rate	Amount
<u>Piping, fittings, etc.:</u>					
8	Take off from walls, ceilings, etc. and cart away copper/polycrop water supply piping, fittings, valves, etc. of various diameters including temporary stopping of supply where necessary.	m	168		
9	Take off from walls, ceilings, etc. and cart away PVC waste water piping and fittings of various diameters.	m	112		
<u>Sanitaryware:</u>					
10	Demolish and cart away white glazed WC pan and cistern complete including stopping off water supply.	No	30		
11	Demolish and cart away white glazed bowl urinal including flushing system including stopping off water supply.	No	5		
12	Demolish and cart away stainless steel sink or washtrough including stopping off water supply.	No	26		
13	Demolish and cart away stainless steel stall urinal 5000mm long including mass concrete step, 175mm high, including stopping off water supply.	No	1		
<u>Sundries:</u>					
14	Take down and cart away toilet roll holders.	No	30		
<u>PLASTERING</u>					
<u>Walls:</u>					
15	Hack off plaster from brick wall and cart away including preparing to receive new plaster (elsewhere).	m ²	45		
<u>TILING</u>					
<u>Floors:</u>					
16	Hack up ceramic floor tiling and cart away including preparing surface to receive new tiling (elsewhere).	m ²	90		
17	Hack up 100mm high ceramic skirting and cart away including preparing surface to receive new tiling (elsewhere).	m	116		
<u>GLAZING</u>					
18	Take out 4mm thick glass from galvanised steel window including preparing frame to receive new glass (elsewhere).	m ²	3		
Carried to Collection				R	
Section No. 2					
Bill No. 1					
Alterations					

		Unit	Quantity	Rate	Amount
<u>REFURBISHMENT, PREPARATORY WORKS, ETC.</u>					
<u>Sundry brickwork refurbishment:</u>					
19	Replace broken brick in existing face brick wall with matching brick bedded, jointed and pointed in cement mortar to match existing.	No	20		
<u>General repair work:</u>					
20	Hack plaster from brickwork for a width of 100mm either side of crack, nail galvanised stretch plate over crack with steel nails at 200mm centres to receive plaster (elsewhere).	m	20		
<u>METAL WORK</u>					
<u>Servicing of windows, doors, etc.:</u>					
21	Service window, size approximately 600 x 600mm high with top hung opening out light including ensuring smooth opening and closing and replacement of missing stays, catches, etc. as necessary to match existing.	No	15		
22	Service window, size approximately 1800 x 600mm high with two top hung opening out and one fixed light including ensuring smooth opening and closing and replacement of missing stays, catches, etc. as necessary to match existing.	No	1		
23	Service and adjust existing external single security gate and frame, including oiling and easing hinges, preparing to receive new lock, touching up and making good.	No	4		
<u>Refurbishment by cleaning:</u>					
<u>Walls, concrete columns, tiling, etc.</u>					
24	High pressure clean external face brick facade to remove dirt, lichen, moss, etc. complete including recess pointing and jointing in cement mortar, where necessary, to match existing.	m ²	80		
Note:					
Carried to Collection				R	
Section No. 2					
Bill No. 1					
Alterations					

BILL NO. 1
ALTERATIONS
COLLECTION

Page No

Brought Forward from Page

32

33

34

Carried To Section Summary

R

Section No. 2
Bill No. 1
Alterations

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 2</u> <u>BUILDING WORKS</u> <u>BILL NO. 2</u> <u>WATERPROOFING</u>				
Note: For Preambles see "PW 371 - A Edition 2.1 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (Edition 2.1 July 2014).				
<u>LIQUID WATERPROOFING (Labour intensive)</u>				
<u>Two coats "ABE Brickseal":</u>				
1	Vertically on bagged surface of brickwork.	m ²	150	
<u>WATERSTOPS, SEALING STRIPS, JOINT SEALANTS, ETC.</u>				
<u>Sundry elements:</u>				
2	Seal and point around metal window frames with an approved external quality sealing compound applied with a pressure caulking gun.	m	41	
3	Seal with an approved anti-fungicidal white silicone sealant junction between sanitary fitting and worktop and/or wall tiling.	m	105	
Carried To Section Summary			R	
Section No. 2				
Bill No. 2				
Waterproofing				

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 2</u> <u>BUILDING WORKS</u> <u>BILL NO. 3</u> <u>ROOF COVERINGS, ETC.</u>				
Note: For Preambles see "PW 371 - A Edition 2.1 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (Edition 2.1 July 2014).				
<u>PROFILED SHEETING OF METAL, FIBRE CEMENT, PLASTIC, ETC.</u> <u>EXISTING ROOF COVERINGS</u> <u>Roof coverings:</u>				
1 The Contractor is to allow hereunder for the thorough inspection of the Kliplok galvanised metal roof coverings, ridge cappings, accessories, etc. to ensure water tightness and complete integrity thereof including for replacement of missing drive screws, etc.	m ²	108		
<u>Metal roof sheeting:</u> <u>0,58mm Thick Z200 "IBR Profile" galvanised metal roof sheeting, in single sheet lengths, with factory applied colour finish to external face and standard backing coat to internal face:</u>				
2 Roof sheeting laid to a pitch not exceeding 25° and secured to timber purlins at approximately 1 200mm centres including turning up sheet at ridge and turning down sheet at eaves.	m ²	10		
<u>Accessories</u> <u>Accessories, etc. to match roof sheeting:</u>				
3 Ridge capping 550mm girth.	m	5		
4 Broad flute serrated closer including polyclosers.	m	10		
Carried To Section Summary			R	
Section No. 2 Bill No. 3 Roof Coverings, Etc.				

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 2</u>				
<u>BUILDING WORKS</u>				
<u>BILL NO. 4</u>				
<u>CARPENTRY AND JOINERY</u>				
Note:				
For Preambles see "PW 371 - A Edition 2.1 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (Edition 2.1 July 2014).				
<u>CARPENTRY</u>				
<u>Purlins, bracing, etc.:</u>				
<u>Wrot softwood:</u>				
1	m	20		
50 x 76mm Purlins.				
<u>Sundries:</u>				
2	No	5		
Hurricane clip fixed to purlin and rafter.				
<u>Doors, windows, sashes, etc.</u>				
<u>Semi-solid flush panel doors:</u>				
3	No	14		
40mm Semi-solid core flush door, size 813 x 1732mm high, hung 150mm above floor finish, with commercial grade veneer both sides and concealed edge strips.				
4	No	1		
40mm Semi-solid core flush door, size 813 x 2032mm high with commercial grade veneer both sides and concealed edge strips.(D4)				
<u>Wrot hardwood :</u>				
5	No	2		
44mm Thick framed, ledged, braced and battened door size 813 x 2032mm high, comprising 44 x 144mm stiles and top rail, 22 x 150mm middle rail, 22 x 230mm bottom rail and 2 No. 22 x 75mm diagonal braces and filled flush on one side between framing with 22mm thick tongued, grooved and V-jointed both sides vertical boarding in narrow matched widths and fitted with and including 44 x 70mm splayed and rebated weatherboard, countersunk brass screwed on at maximum 200mm centres.				
<u>Frames, rails, skirtings, etc.</u>				
<u>Meranti timber door frames:</u>				
Note : All units are to constructed using 70 x 108mm hardwood timber with 19 x 19mm quadrant bead to external face				
Carried to Collection			R	
Section No. 2				
Bill No. 4				
Carpentry And Joinery				

		Unit	Quantity	Rate	Amount
6	70 x 108mm Rebated meranti jab linings fixed to walls.	m	50		
7	Framed frame, to suit single door size 813 x 2032mm high overall.	No	3		
	<u>Sundries:</u>				
8	19mm Hardwood quadrant moulding planted on.	m	64		
9	10 x 140mm Door frame anchor countersunk and pelleted in timber frame, at approximately 600mm centres, including forming mortice in brickwork or concrete.	No	140		
	<u>Plastic, fibre cement, etc.</u>				
	<u>Work to existing fascia/barge boards:</u>				
10	Check fibre cement fascia boards complete, including joining strips, for alignment/rigidity and where necessary replace missing screws or joining strips to existing members to leave fascia boards secure to rafters.	m	21		
11	Check fibre cement barge boards complete, including joining strips, for alignment/rigidity and where necessary replace missing screws or joining strips to existing members to leave fascia boards secure to rafters.	m	20		
	<u>Pressed fibre-cement:</u>				
12	12 x 228mm Fascia board drilled and brass screwed to rafter feet including galvanised steel H-profile jointing strips, etc.	m	4		
13	80 x 275mm Barge board drilled and brass screwed to timber purlins including galvanised steel H-profile jointing strips, etc.	m	5		
Carried to Collection				R	
Section No. 2					
Bill No. 4					
Carpentry And Joinery					

BILL NO. 4
CARPENTRY AND JOINERY
COLLECTION

Page No

Brought Forward from Page

38

39

Carried To Section Summary

R

Section No. 2
Bill No. 4
Carpentry And Joinery

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 2</u> <u>BUILDING WORKS</u> <u>BILL NO. 5</u> <u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u>				
Note: For Preambles see "PW 371 - A Edition 2.1 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (Edition 2.1 July 2014).				
<u>INTERNAL NAILED UP CEILINGS</u>				
<u>Work to existing ceilings:</u>				
1 Check fibreceement ceiling complete, including cover strips, for alignment/rigidity and where necessary re-nail ceiling or cover strips to existing members to leave ceiling level and secure.	m ²	90		
<u>4mm Thick fibre-cement boards with and including 6 x 32mm wrought meranti coverstrips over joints:</u>				
2 Ceilings including 38 x 50mm sawn softwood brandering at 400mm centres with cross brandering at joints, ends of sheets and at light fittings, etc.	m ²	10		
<u>Cornices</u>				
<u>Work to existing cornices:</u>				
3 Check gypsum plasterboard cornice, realign where necessary and ensure cornice is securely nailed to brandering or wall.	m	58		
<u>Paper covered gypsum cornice with skimmed joints plugged to walls including mitres, etc.:</u>				
4 75mm Coved cornice.	m	20		
Carried To Section Summary			R	
Section No. 2				
Bill No. 5				
Ceilings, Partitions And Access Flooring				

		Unit	Quantity	Rate	Amount
<u>SECTION NO. 2</u>					
<u>BUILDING WORKS</u>					
<u>BILL NO. 6</u>					
<u>IRONMONGERY</u>					
Note:					
For Preambles see "PW 371 - A Edition 2.1 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (Edition 2.1 July 2014).					
<u>IRONMONGERY TO TIMBER</u>					
<u>Hinges, bolts, etc.:</u>					
1	100 x 75mm Heavy duty brass butt hinges.	No	36		
<u>Hooks:</u>					
2	150mm Brass cabin hook and eye screwed to and including 69 x 69 x 32mm chamfered hardwood block plugged to wall.	No	2		
<u>Push plates, kicking plates, indicator plates, etc.:</u>					
<u>3mm Thick x 32mm high blue perspex signs with white painted numerals or letters, countersunk tap screwed to steel door frame:</u>					
3	Sign with "MALE ABLUTIONS" enscribed.	No	2		
4	Sign with "FEMALE ABLUTIONS" enscribed.	No	2		
5	Sign with "DISABLE ABLUTIONS" enscribed.	No	2		
6	Sign with "STAFF" enscribed.	No	1		
<u>Door stops:</u>					
7	Black rubber door stop plugged to wall or floor.	No	17		
<u>Locksets, etc. provided with two keys and to be masterkeyed:</u>					
8	Union 2277-78SS or equally approved three lever upright mortice lockset with stainless steel forend and striking plate finish.	No	3		
9	Union CZ80941SC or equally approved satin chrome W/C indicator bolt.	No	14		
<u>Handles, furniture, etc.:</u>					
10	Dormakaba DPH301 B or other equal approved 325 x 25mm Stainless steel straight tubular pull handle with flange fixing. (Sets)	No	17		
Carried to Collection				R	
Section No. 2					
Bill No. 6					
Ironmongery					

BILL NO. 6
IRONMONGERY
COLLECTION

Page No

Brought Forward from Page

42

43

Carried To Section Summary

R

Section No. 2
Bill No. 6
Ironmongery

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 2</u> <u>BUILDING WORKS</u> <u>BILL NO. 7</u> <u>METALWORK</u> Note: For Preambles see "PW 371 - A Edition 2.1 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (Edition 2.1 July 2014). <u>STEEL</u> <u>Stairs, balustrading, cat ladders, grilles, gates, framework, etc.:</u> <u>WELDED GALVANISED SCREENS, GATES, ETC</u> <u>Hot dipped galvanised mild steel screens and gates to brickwork:</u>				
1 Single gate, size 900mm wide x 2050mm high, the leaf formed of 25 x 25 x 2mm wall thickness mild steel square tubing framing all round with mitred and welded angles, the gate filled in with 12 x 12mm mild steel bars welded, at each end, perimeter framing at not exceeding 100mm centres, the leaf fitted with lock housing (lock elsewhere measured) formed of 2.5mm thick mild steel flat plate, the leaf fitted with a set of hinges fixed to brickwall with and including masonry anchors.(G1)	No	5		
<u>HOT DIPPED GALVANISED STEEL WINDOWS, DOORS, ETC</u> <u>Purpose made galvanised expanded mesh:</u>				
2 Window screen mesh size 1570 x 670mm high with 25 x 25 x 2mm square tube frame welded and fixed to 25 x 25 x 2mm bracket onto 100 x 100 x 3mm fixing plate chemically anchored into brickwork.	No	4		
3 Window screen mesh size 670 x 670mm high with 25 x 25 x 2mm square tube frame welded and fixed to 25 x 25 x 2mm bracket onto 100 x 100 x 3mm fixing plate chemically anchored into brickwork.	No	14		
Carried To Section Summary			R	
Section No. 2				
Bill No. 7				
Metalwork				

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 2</u>				
<u>BUILDING WORKS</u>				
<u>BILL NO. 8</u>				
<u>PLASTERING</u>				
Note:				
For Preambles see "PW 371 - A Edition 2.1 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (Edition 2.1 July 2014).				
<u>PLASTER</u>				
<u>One coat internal 1:4 cement plaster on:</u>				
1	Brick wall in narrow widths not exceeding 300mm wide.	m ²	18	
2	Walls in patching.	m ²	35	
<u>One coat external 1:5 cement plaster on:</u>				
3	Walls in patching.	m ²	10	
Carried To Section Summary			R	
Section No. 2				
Bill No. 8				
Plastering				

TILING

For Preambles see "PW 371 - A Edition 2.1 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (Edition 2.1 July 2014).

Ceramic tiles, size 600 x 600mm (P.C. Amount R300.00/m2) sealed to plastered surfaces with 3mm wide joints and grouted in tinted grout:

Ceramic tiles, size 600 x 600mm (P.C. Amount R300.00/m2) sealed to plastered surfaces with 3mm wide joints and grouted in tinted grout:

Ceramic tiles, size 600 x 600mm (P.C. Amount R300.00/m2) sealed to plastered surfaces with 3mm wide joints and grouted in tinted grout:

Miscellaneous:

4	10mm Thick aluminium edge trim.	m	116
---	---------------------------------	---	-----

R

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 2</u> <u>BUILDING WORKS</u> <u>BILL NO. 10</u> <u>PLUMBING AND DRAINAGE</u> Note: For Preambles see "PW 371 - A Edition 2.1 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (Edition 2.1 July 2014). <u>GUTTERS, ETC</u> <u>Roof gutters, rainwater pipes, etc.</u> <u>White uPVC guttering, downpipes and accessories:</u>				
1	m	21		
125mm Half round eaves gutters fixed to fascia at maximum 600mm centres with and including proprietary fixings.				
2	No	4		
Extra over eaves gutter for stopped end.				
3	No	4		
Extra over eaves gutter for outlet for 80mm diameter downpipe.				
4	m	20		
80mm Diameter rainwater pipes in continuous lengths fixed to timber gumpoles with and including proprietary holderbats.				
5	No	8		
Extra over rainwater pipe for bend.				
<u>PIPEWORK, ETC.</u> <u>Pipes, pipe fittings, etc.:</u> <u>WATER SUPPLIES</u> <u>Class 10 polycop pipes with straight compression fittings:</u>				
6	m	110		
15mm Pipe and fixing to walls, floors, in roofs, in concrete, etc. including any necessary proprietary holderbats, fixings, etc.				
7	m	126		
22mm Ditto.				
8	m	132		
15mm Pipe chased into brickwork.				
9	m	68		
22mm Ditto.				
<u>Extra over copper pipes for brass compression fittings:</u>				
10	No	260		
15mm Fittings.				
Carried to Collection			R	
Section No. 2 Bill No. 10 Plumbing And Drainage				

		Unit	Quantity	Rate	Amount
11	22mm Fittings.	No	182		
	<u>Connections:</u>				
	<u>Connection of new to existing pipes:</u>				
12	Connection of 32mm diameter HDPE to 22mm diameter polycop pipes including all necessary reducers, saddles, etc.	No	6		
	<u>Testing:</u>				
13	Allow for testing the preceding water supply installation in accordance with the National Building Regulations.	Item			
	<u>SOIL DRAINAGE</u>				
	<u>uPVC Pipes with solvent welded straight joints:</u>				
14	50mm Pipes.	m	131		
15	110mm Pipes.	m	95		
	<u>Extra over uPVC pipes for solvent welded fittings :</u>				
16	50mm Plain bend.	No	72		
17	110mm Plain bend.	No	45		
18	50mm Access bend.	No	36		
19	110mm Access bend.	No	30		
	<u>Gulleys, grease traps, etc.:</u>				
20	100mm Diameter uPVC gulley trap with universal gulley head set flush in with finished pavement level including encasing in 15MPa concrete 100mm thick all round.	No	6		
21	430 x 430 x 175mm Precast concrete gulley top, bedded over gulley in cement mortar.	No	6		
	<u>Testing:</u>				
22	Allow for testing the preceding sanitary plumbing installation in accordance with the National Building Regulations.	Item			
	<u>SANITARY FITTINGS, TANKS, GEYSERS, ETC.</u>				
	<u>Sanitary fittings, etc.:</u>				
	<u>Existing sanitary fittings:</u>				
23	Service white glazed WC cistern including replacing rubber outlet seal, checking ball float valve mechanism complete and leave in perfect working condition.	No	2		
Carried to Collection				R	
Section No. 2					
Bill No. 10					
Plumbing And Drainage					

		Unit	Quantity	Rate	Amount
24	Tighten loose or replace missing bolts to hanger brackets, etc. to white glazed wash hand basin and leave secure on completion.	No	1		
25	Tighten loose or replace missing bolts to hanger brackets, etc. to white glazed urinal and leave secure on completion.	No	1		
	<u>White glazed vitreous china ware:</u>				
26	Rectangular washhand basin, size 560 x 405mm, with one tapholes, one taphole stopper, integrated overflow and chainstay hole, mounted to wall on and including two proprietary semi-concealed cast iron wall brackets with 10mm bolts.	No	26		
27	Close coupled washdown suite with 90 degree outlet open rim pan and matching 9 litre front single flush cistern complete with lid, fitments and flushpipe bedded to floor in 1:4 cement mortar mixture.	No	30		
28	Vaal 704001 or equally approved wall hung flat back urinal, size overall 610 x 3850mm, complete with chromium plated back inlet spreader and 38mm chromium plated domical grating hung on and including two proprietary hanger brackets .	No	10		
	<u>Sanitary fitting sundries:</u>				
29	Satin chrome thief proof toilet roll holder, TR2, plugged to wall.	No	30		
30	Heavy-duty double-flap hinged toilet seat and cover.	No	30		
31	150 x 150mm White glazed soap dish.	No	26		
	<u>Grade 304 stainless steel ware:</u>				
32	Grab rail 1200mm long with two flanges "SR 1" plugged to wall with and including stainless steel screws.	No	3		
33	Dog leg grab rail with three flanges "DL3" plugged to wall with and including stainless steel screws.	No	3		
	<u>Taps, valves, etc.:</u>				
	<u>Solid cast brass taps, valves, etc.:</u>				
34	15mm Brass ball-o-stop.	No	66		
35	15mm Chromium plated brass metered bib tap with non-hold open feature and flow control.	No	26		
Carried to Collection				R	
Section No. 2					
Bill No. 10					
Plumbing And Drainage					

		Unit	Quantity	Rate	Amount
36	Flushmaster Junior FJ 6.000 or other equal approved 22mm chromium plated exposed type urinal flushvalve with "FJT 5.5" chromium plated flushpipe, integral non hold-open feature and ball-o-flo valve, with wall plate.	No	10		
37	22mm Brass non-return valve.	No	4		
	<u>Sundries:</u>				
38	Service tap, mixer, etc. including changing washers and leave in perfect working condition.	No	2		
	<u>Waste unions, traps, etc.:</u>				
	<u>Outlets, traps, etc:</u>				
39	38mm Chromium plated brass slotted sink waste outlet with plug, chain and chain stay.	No	26		
40	38mm Chromium plated urinal waste outlet.	No	10		
41	38mm Butyl rubber flexible deepseal sink P-trap.	No	26		
42	50mm Chromium plated brass basin bottle trap.	No	10		
Carried to Collection				R	
Section No. 2					
Bill No. 10					
Plumbing And Drainage					

BILL NO. 10
PLUMBING AND DRAINAGE
COLLECTION

Page No

Brought Forward from Page

48

49

50

51

Carried To Section Summary

R

Section No. 2
Bill No. 10
Plumbing And Drainage

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 2</u> <u>BUILDING WORKS</u> <u>BILL NO. 11</u> <u>GLAZING</u> Note: For Preambles see "PW 371 - A Edition 2.1 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (Edition 2.1 July 2014). <u>GLAZING</u> <u>GLAZING TO WOOD WITH PINNED BEADS</u> <u>6,38mm Thick normal strength clear laminated safety glass:</u>				
1 In panes exceeding 0,1m2 and not exceeding 0,5m2 in area.	m ²	3		
<u>Glass tops, shelves, doors, mirrors, etc.:</u>				
2 4mm Thick polished float glass mirror, size 450 x 600mm, four times plugged to wall with and including chromium plated dome headed screws.	No	26		
Carried To Section Summary				R
Section No. 2				
Bill No. 11				
Glazing				

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 2</u> <u>BUILDING WORKS</u> <u>BILL NO. 12</u> <u>PAINTWORK</u> Note: For Preambles see "PW 371 - A Edition 2.1 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (Edition 2.1 July 2014). <u>REDECORATION OF EXISTING</u> <u>PREVIOUSLY PAINTED CONCRETE, PLASTER, ETC</u> <u>Scrape down loose or peeling paint, clean off surface contaminants with a sugar soap solution, allow to dry, stop all holes, minor cracks, etc. and apply one coat plaster primer and two coats exterior acrylic emulsion sheen paint on:</u> 1 External plastered walls. m ² 80 2 External smooth plastered walls in narrow widths not exceeding 300mm wide. m ² 1 <u>Scrape down loose or peeling paint, clean off surface contaminants with a sugar soap solution, allow to dry, stop all holes, minor cracks, etc. and apply one coat plaster primer and two coats interior washable acrylic washable emulsion sheen paint on:</u> 3 Internal plastered walls. m ² 348 4 Internal smooth plastered walls in narrow widths not exceeding 300mm wide. m ² 21 <u>PREVIOUSLY PAINTED GYPSUM PLASTERBOARD</u> <u>Scrape down loose or peeling paint, clean off surface contaminants with a sugar soap solution, allow to dry, stop all holes, minor cracks, etc. and apply one coat plaster primer and two coats interior acrylic emulsion sheen paint on:</u> 5 Internal ceiling boarding. m ² 95 <u>PREVIOUSLY PAINTED FIBRE CEMENT</u> <u>Scrape down loose or peeling paint, clean off surface contaminants with a sugar soap solution, allow to dry and apply one coat primer and two coats professional exterior super matt paint on:</u> 6 External cill not exceeding 300mm girth. m 11				
Carried to Collection			R	
Section No. 2 Bill No. 12 Paintwork				

		Unit	Quantity	Rate	Amount
7	External fibre cement fascia boarding including priming cover strips.	m ²	5		
8	External fibre cement bargeboard including priming cover strips.	m ²	7		
	<u>Scrape down loose or peeling paint, clean off surface contaminants with a sugar soap solution, allow to dry and apply one coat primer and two coats professional interior super matt paint on:</u>				
9	Internal cill not exceeding 300mm girth.	m	11		
	<u>PREVIOUSLY PAINTED METALWORK</u>				
	<u>Scrape down loose or peeling paint, remove all traces of rust, clean off surface contaminants with a sugar soap solution, allow to dry and apply galvanised iron primer (where necessary) and two coats super universal enamel paint on:</u>				
10	Steel security gates (both sides measured).	m ²	17		
11	IBR corrugated steel roof sheeting.	m ²	114		
	<u>PAINT ON TIMBER</u>				
	<u>Sand down varnished surface to bare timber and apply one coat exterior primer, one coat undercoat and two coats flat enamel paint on:</u>				
12	Timber windows (both sides measured).	m ²	13		
	<u>PREVIOUSLY UNPAINTED CERAMIC OR STAINLESS STEEL</u>				
	<u>Thoroughly wash down with approved disinfectant solution and leave clean:</u>				
13	Toilet pan and cisterns.	No	1		
14	Basins.	No	1		
15	Urinals.	No	1		
	<u>NEW WORKS</u>				
	<u>PAINT ON TIMBER</u>				
	<u>Prime or oil on:</u>				
16	Backs of frames or linings not exceeding 300mm girth.	m	64		
	<u>Prepare and apply one coat pink wood primer, one undercoat and two coats water based eggshell enamel on :</u>				
17	Surfaces of flush panel doors.	m ²	55		
Carried to Collection				R	
Section No. 2					
Bill No. 12					
Paintwork					

		Unit	Quantity	Rate	Amount
18	Surfaces of frames and linings. <u>Prepare and apply two coats carbolineum on:</u>	m ²	17		
19	General surfaces of roof timbers. <u>PAINT ON METALWORK</u> <u>One coat steel etch primer, one coat universal undercoat and two coats gloss enamel paint on:</u>	m ²	5		
20	Steel security gates (both sides measured). <u>PAINT ON FIBRE-CEMENT</u> <u>Prime nail heads and H-section jointing strips and apply one coat universal undercoat and two coats eggshell enamel paint on:</u>	m ²	11		
21	Internal fibre cement board ceilings including priming cover strips. <u>Prepare and apply one coat plaster primer and two coats quality matt acrylic PVA on:</u>	m ²	10		
22	External fibre cement fascia boarding including priming cover strips.	m ²	1		
23	External fibre cement bargeboard including priming cover strips.	m ²	2		
Carried to Collection				R	
Section No. 2					
Bill No. 12					
Paintwork					

BILL NO. 12
PAINTWORK
COLLECTION

Page No

Brought Forward from Page

54

55

56

Carried To Section Summary

R

Section No. 2
Bill No. 12
Paintwork

SECTION NO. 2

BUILDING WORKS

SECTION SUMMARY

Bill No.		Page
1	ALTERATIONS	35
2	WATERPROOFING	36
3	ROOF COVERINGS, ETC.	37
4	CARPENTRY AND JOINERY	40
5	CEILINGS, PARTITIONS AND ACCESS FLOORING	41
6	IRONMONGERY	44
7	METALWORK	45
8	PLASTERING	46
9	TILING	47
10	PLUMBING AND DRAINAGE	52
11	GLAZING	53
12	PAINTWORK	57

Carried to Final Summary

R

Section No. 2
SECTION SUMMARY

SECTION NO. 3
EXTERNAL WORKS (PROVISIONAL)

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 3</u>				
<u>EXTERNAL WORKS (PROVISIONAL)</u>				
<u>BILL NO. 1</u>				
<u>EXTERNAL WORKS</u>				
Note:				
For Preambles see "PW 371 - A Edition 2.1 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (Edition 2.1 July 2014).				
<u>TEMPORARY BARRIERS, SCREENS, ETC.</u>				
<u>TEMPORARY HOARDING</u>				
Note: Contractor to price for the taking down and carting away hoarding on completion.				
<u>Site clearance:</u>				
1				
Allow for clearing site for the width of 1000mm where fencing runs are to be erected including removing trees, shrubs, etc., not exceeding 200mm girth, grubbing up roots and roughly levelling.				
	m	100		
2				
External barricade screen, 1800mm high overall, comprising 100-125mm diameter tanalith treated gum poles planted 650mm deep in ground at 3000mm centres comprising of six strands of 4mm galvanised straining wires (evenly spaced) secured to posts with doubled 2mm galvanised wire inserted through hole in post and turned a minimum of four turns around straining wire and yellow and orange barrier shade cloth fixed to straining wires with 20Mpa mass concrete base size 400 x 400 x 550mm thick with sloping top surface including all necessary excavations, backfilling, risk of collapse and carting away surplus material, etc.				
	m	100		
<u>Hot dipped galvanised steel gates:</u>				
3				
Security fence double gate, size 3000mm wide x 1800mm high, formed of 80 x 40 x 4mm wall thickness rectangular section framing all round with mitred and welded angles and diagonal cross brace, the gate covered with mesh security fencing secured with "Howgring" clips applied with "Howgring" pliers at 300mm centres to and including six rows of straining wires and yellow/orange barrier shade cloth.				
	No	1		
Carried to Collection			R	
Section No. 3				
Bill No. 1				
External Works				

		Unit	Quantity	Rate	Amount
<u>THE FOLLOWING IN WATER SUPPLY</u>					
<u>ALTERATIONS TO EXISTING</u>					
4	Locate, cut into and temporarily stop off 40mm diameter water pipe for insertion of stop end (elsewhere).	No	1		
5	Locate, cut into and temporarily stop off 54mm diameter water pipe for insertion of Tee Junction (elsewhere).	No	1		
6	Locate, cut into and temporarily stop off 63mm diameter water pipe for insertion of Tee Junction (elsewhere).	No	1		
<u>PIPEWORK, ETC.</u>					
<u>Pipes, pipe fittings, etc.:</u>					
<u>Class 12 uPVC water supply pipe with bedding and filling in accordance with SABS 1200:</u>					
7	32mm Pipe and laying in ground not exceeding 1000mm deep.	m	180		
8	40mm Pipe and laying in ground not exceeding 1000mm deep.	m	120		
<u>Extra over uPVC pipes for the following fittings:</u>					
9	32mm bend.	No	24		
10	40mm bend.	No	12		
11	32mm Tee junction.	No	9		
12	40mm Tee junction.	No	6		
13	32 x 40 x 32mm Reducing tee.	No	1		
14	32 x 54 x 32mm Reducing tee.	No	1		
15	40 x 63 x 40mm Reducing tee.	No	1		
<u>Water supply valve or meter chambers:</u>					
16	Excavate for and build valve chamber size 460 x 460 x not exceeding 1000mm deep internally, formed of 300mm thick layer of well backfilling , 200mm high half brick corbelled sides with 75mm brickforce between each course including Type 3A cast iron valve cover and frame size 100 x 230 x 300 encased in a 300mm thick 25mpa mass concrete base.	No	3		
<u>Taps, valves, etc.:</u>					
17	32mm Gate valve.	No	3		
18	32mm Non return valve.	No	1		
Carried to Collection				R	
Section No. 3					
Bill No. 1					
External Works					

		Unit	Quantity	Rate	Amount
	<u>Testing:</u>				
19	Allow for testing the water supply installation in accordance with the National Building Regulations.	Item			
	<u>THE FOLLOWING IN SOIL DRAINAGE</u>				
	Pipe depth categories and manholes, catchpits, etc. have been measured to the designed invert levels of same. The Contractor is to allow for in his rates for any additional excavation, bedding, backfilling, making up levels, etc. he deems necessary to make up any difference to actual depth.				
	<u>EXISTING SERVICES</u>				
	Jet or high pressure cleaning to be carried out on subsurface piping, rodding eyes, manholes, etc. to be carried out to the complete satisfaction of the Engineer.				
	<u>Pipes:</u>				
20	110mm Pipe fixed to walls.	m	8		
21	110mm Pipe not exceeding 1000mm deep.	m	75		
22	110mm Pipe exceeding 1000mm not exceeding 2000mm deep.	m	30		
	<u>Rodding eyes:</u>				
23	110mm Diameter PVC rodding eye.	No	15		
	<u>Brick manholes:</u>				
24	Manhole not exceeding 1000mm deep.	No	4		
25	Manhole exceeding 1000mm not exceeding 2000mm deep.	No	2		
	<u>ALTERATIONS TO EXISTING</u>				
26	Cut into and stop off temporarily 110mm soil pipe for new manhole construction (elsewhere).	No	1		
27	Cut into and stop off temporarily 110mm soil pipe for insertion of Tee junction (elsewhere).	No	1		
	<u>NEW WORKS</u>				
	<u>Class 34 Rigid uPVC socketed soil piping with bedding and filling in accordance with SABS 1200</u>				
28	110mm Pipe and excavation not exceeding 1000mm deep.	m	30		
29	110mm Pipe and excavation exceeding 1000mm not exceeding 2000mm deep.	m	8		
	Carried to Collection			R	
	Section No. 3				
	Bill No. 1				
	External Works				

		Unit	Quantity	Rate	Amount
	<u>Extra over uPVC pipes for fittings:</u>				
30	110mm 90 Degree bend.	No	9		
31	110mm Junction.	No	2		
	<u>Rodding eyes, etc.:</u>				
32	PVC Rodding eye and frame and joint to top of 110mm uPVC pipe.	No	2		
	<u>Sundries:</u>				
33	300 x 300 x 75mm Precast concrete inspection eye marker slab set in position including excavations, carting away, ect.	No	3		
	<u>MANHOLES, ETC.</u>				
34	Excavate for and build manhole size 1440 x 1440 x not exceeding 1000mm deep internally, formed of 150mm thick reinforced concrete (25MPa) bottom projecting 150mm all round with welded mesh Ref. 245 both top and bottom, one brick sides, 150mm high precast reinforced concrete (25MPa) cover slab and lid with welded mesh Ref. 245 both top and bottom laid loose on top of brickwork, finished on all exposed surfaces in 3.1 cement plaster and bottom graded to outlets in 3.1 cement mortar.	No	2		
35	Excavate for and build manhole size 1440 x 1440 x exceeding 1000mm not exceeding 2000mm deep internally, formed of 150mm thick reinforced concrete (25MPa) bottom projecting 150mm all round with welded mesh Ref. 245 both top and bottom, one brick sides, 150mm high precast reinforced concrete (25MPa) cover slab and lid with welded mesh Ref. 245 both top and bottom laid loose on top of brickwork, finished on all exposed surfaces in 3.1 cement plaster and bottom graded to outlets in 3.1 cement mortar.	No	2		
	<u>Cast iron covers and frames:</u>				
36	Type 2A cast iron manhole cover and frame size 620mm diameter bedded on top of concrete slab in cement mortar.	No	4		
	<u>Testing:</u>				
37	Allow for testing the soil drainage and sewer plumbing installation in accordance with the National Building Regulations.	Item			
Carried to Collection				R	
Section No. 3					
Bill No. 1					
External Works					

		Unit	Quantity	Rate	Amount
<u>THE FOLLOWING IN ELEVATED TANKS AND GROUND STORAGE (ALL TRADES)</u>					
<u>EXCAVATIONS, FILLING, ETC.</u>					
<u>Excavate in earth not exceeding 2m deep including trimming sides, levelling and ramming bottoms and deposit in spoil heaps for later re-use or cart away:</u>					
38	Reduced levels under solid floors.	m ³	11		
<u>Excavations in earth of more difficult character:</u>					
39	Extra over excavations in earth for excavation in soft rock.	m ³	1		
<u>Carting away of excavated material:</u>					
40	Load surplus or unsuitable material from spoil heaps and cart away to a dumping site to be located by the Contractor.	m ³	12		
<u>Risk of collapse of excavations:</u>					
41	Allow for risk of collapse to sides of excavations not exceeding 1.5m deep including all necessary timber shoring, etc.	m ²	10		
<u>Keeping excavations free of water:</u>					
42	Allow for keeping the excavations free from water.	Item			
<u>Foundation courses:</u>					
43	Imported G7 filling, selected and supplied by the Contractor, including depositing in layers not exceeding 150mm thick and compacting to 95% modified AASHTO dry density under solid floors.	m ³	4		
44	Imported G5 filling, selected and supplied by the Contractor, including depositing in layers not exceeding 150mm thick and compacting to 98% modified AASHTO dry density under solid floors.	m ³	4		
<u>Compaction of surfaces:</u>					
45	Scarify in-situ material to a depth of 150mm and compact to 93% Mod AASHTO density.	m ²	27		
<u>Tests:</u>					
46	Allow for Mod AASHTO density tests on filling.	No	2		
<u>CONCRETE (Labour intensive)</u>					
<u>Reinforced concrete 30MPa (19mm stone) in:</u>					
47	Rafter slabs cast against excavated surfaces.	m ³	8		
Carried to Collection				R	
Section No. 3					
Bill No. 1					
External Works					

		Unit	Quantity	Rate	Amount
	<u>Testing:</u>				
48	Allow for preparing and curing a set of three test cubes, each size 150mm x 150mm x 150mm and pay all transport and testing costs undertaken by an approved independent laboratory. (Provisional)	Sets	2		
	<u>Surface treatment:</u>				
49	Float surface of concrete to a wood float finish.	m²	27		
	<u>FORMWORK</u>				
	<u>Edges, risers, ends and reveals:</u>				
50	Edge, riser, etc exceeding 300mm high.	m²	11		
	<u>Projections, grooves, etc.:</u>				
51	Labour and material in forming 25 x 25mm chamfer to exposed top edge of concrete.	m	24		
	<u>REINFORCEMENT (PROVISIONAL)</u>				
	<u>High tensile welded steel mesh reinforcement:</u>				
52	Ref: 395 cast into concrete surfaces.	m²	27		
	<u>PLUMBING AND DRAINAGE</u>				
	<u>ALTERATIONS TO EXISTING</u>				
53	Locate, cut into and temporarily stop off 63mm diameter water pipe for insertion of reducing fitting (elsewhere).	No	2		
	<u>Pipes, pipe fittings, etc.:</u>				
	<u>Class 12 uPVC water supply pipe with bedding and filling in accordance with SABS 1200:</u>				
54	40mm Pipe.	m	90		
55	50mm Pipe.	m	12		
56	40mm Pipe and laying in ground not exceeding 1000mm deep.	m	10		
	<u>Extra over uPVC pipes for the following fittings:</u>				
57	40mm Bend.	No	27		
58	50mm Bend.	No	5		
59	40mm Tee junction.	No	2		
60	63 x 40mm Straight reducer	No	2		
	<u>Taps, valves, etc.:</u>				
61	40mm float valve kit fitted inside of tank.	No	3		
	Carried to Collection			R	
	Section No. 3				
	Bill No. 1				
	External Works				

		Unit	Quantity	Rate	Amount
62	40mm In-line strainer.	No	2		
63	40mm Brass gate valve.	No	3		
64	40mm Brass non return valve.	No	1		
65	40mm Flanged resilient seal gate valve with cap top.	No	2		
66	40mm Flanged pressure reducing valve.	No	1		
	<u>Switch:</u>				
67	Float switch fitted inside of tank.	No	2		
	<u>Connections:</u>				
	<u>Connection of new to existing pipes:</u>				
68	Connection of 40mm diameter HDPE to 40mm diameter galvanised pipes including all necessary reducers, saddles, etc.	No	2		
69	Connection of 40mm diameter HDPE to 0.75kw water pump including all necessary reducers, saddles, etc.	No	2		
70	Connection of 63mm diameter HDPE to 40mm diameter galvanised pipes including all necessary reducers, saddles, etc.	No	1		
	<u>Rainwater tanks:</u>				
71	20 000 Litre polyethylene rotomoulded vertical water storage tank provided complete with lid and overflow outlet, fitted with suitable adaptor and setting in position on concrete tankstand (elsewhere measured). (The tanks are to be filled with water for the Practical Completion inspection)	No	3		
72	Hole through side of tank for 40mm diameter pipe including adaptor.	No	6		
	<u>Ties, cramps, etc.:</u>				
73	38 x 1,6mm Galvanised hoop iron strap around tank, both ends fitted with once holed 30 x 30 x 3mm thick galvanised flat plate and bolted together with and including M10 bolt and nut.	No	3		
74	38 x 1,6mm Galvanised hoop iron tie down, 2500mm long, one end wrapped around tank strap and twice bolted, the other end folded over and bolted to top of concrete with and including 8 x 60mm masonry anchor.	No	12		
Carried to Collection				R	
Section No. 3					
Bill No. 1					
External Works					

		Unit	Quantity	Rate	Amount
<u>Water supply valve or meter chambers:</u>					
75	Excavate for and build valve chamber size 565 x 665 x 550mm deep overall formed of precast concrete valve chamber units 1, 2, 3 and 4 with valve box lid-V and 19mm thick layer of 19mm stone in bottom including filling in and ramming.	No	2		
<u>Pump and Pumphouse:</u>					
76	Allow the Budgetary Allowance of R 15 000,00 (Fifteen Thousand Rand) for the installation of a 0.75kw water pump including housing, etc.	Item			15 000 00
<u>ELECTRICAL CONNECTION</u>					
<u>Elevated Tank Electrical Works</u>					
77	Allow the Budgetary Allowance of R 30 000,00 (Thirty Thousand Rand) for the electrical supply to the water pumps, float switches, ect.	Item			30 000 00
Carried to Collection				R	
Section No. 3					
Bill No. 1					
External Works					

BILL NO. 1
EXTERNAL WORKS
COLLECTION

Page No

Brought Forward from Page

60

61

62

63

64

65

66

67

Carried To Section Summary

R

Section No. 3
Bill No. 1
External Works

SECTION NO. 3

EXTERNAL WORKS (PROVISIONAL)

SECTION SUMMARY

Bill No.

1

EXTERNAL WORKS

Page

68

Carried to Final Summary

R

Section No. 3
SECTION SUMMARY

SECTION NO. 4
WORK TO BE EXECUTED BY SMME'S

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 4</u>				
<u>WORK TO BE EXECUTED BY SMME'S</u>				
<u>BILL NO. 1</u>				
<u>WORK TO BE EXECUTED BY SMME's</u>				
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>General</u>				
<p>The Tenderer is encouraged to target works that can be performed by local enterprises as prime contractors, subcontractors or suppliers. This target must be based on the value of work to be performed. The Local Enterprise Participation goal must be calculated in relation to every entity involved in the project.</p> <p>Management staff from other areas for the duration of the project will not qualify as local. Plant and equipment brought from other areas will not qualify as local. Material and plant sourced from local suppliers or agencies will qualify as local. A supplier that has been established locally by a Tenderer solely for the purpose of servicing the project will not qualify.</p> <p>The contractor is referred to the specification for the employment of SMME sub-contractors ("SES 003') included in this contract document for the interpretation of each item. The contractor shall ensure full achievement of the deliverables through the construction period of this construction contract.</p> <p>BUDGETARY ALLOWANCES under this heading are for work to be executed by the Contractor and are to be used at the discretion of the Principal Agent and deducted in whole or in part if not required. The work shall be measured and valued in accordance with the "Conditions of Contract".</p>				
<u>ACCRIDITED TRAINING FOR SMME's</u>				
1				
Provide the sum of R 100 000.00 (One Hundred Thousand Rand) for accredited training of the SMME to be paid to an approved training provider.		Item		100 000 00
2				
Add: Profit		Item		
3				
Add: Attendance		Item		
<u>QUALITY TESTING OF SMME's WORKS AND MATERIAL</u>				
4				
Provide the sum of R 50 000.00 (Fifty Thousand Rand) for Quality Testing of SMME Works and Material.		Item		50 000 00
5				
Add: Profit		Item		
Carried to Collection			R	
Section No. 4				
Bill No. 1				
Work To Be Executed By Smme's				

				PORT ALFRED JSS	
		Unit	Quantity	Rate	Amount
6	Add: Attendance	Item			
	<u>SMME's WORKMANSHIP SAMPLE CONSTRUCTION</u>				
7	Provide the sum of R 50 000.00 (Fifty Thousand Rand) for SMME Workmanship Sample Construction.	Item			50 000 00
8	Add: Profit	Item			
9	Add: Attendance	Item			
	<u>REPAIRS TO EXISTING TEMPORARY CLASSROOMS TO BE EXECUTED BY SMME's</u>				
10	Provide the sum of R 250 000.00 (Two Hundred and Fifty Thousand Rand) for Repairs to Existing Temporary Classrooms to be executed by SMME's.	Item			250 000 00
11	Add: Profit	Item			
12	Add: Attendance	Item			
	<u>ROOF TRUSS STRENGTHENING TO BE EXECUTED BY SMME's</u>				
13	Provide the sum of R 12 500.00 (Twelve Thousand Five Hundred Rand) for Roof Truss Strengthening to be executed by SMME's.	Item			12 500 00
14	Add: Profit	Item			
15	Add: Attendance	Item			
	<u>WALKWAYS TO BE EXECUTED BY SMME's</u>				
16	Provide the sum of R 138 000.00 (One Hundred and Thirty Eight Thousand Rand) for Walkways to be executed by SMME's.	Item			138 000 00
17	Add: Profit	Item			
18	Add: Attendance	Item			
	<u>RAINWATER TANKS AND STANDS TO BE EXECUTED BY SMME's</u>				
19	Provide the sum of R 118 000.00 (One Hundred and Eighteen Thousand Rand) Rainwater Tanks and Stands to be executed by SMME's.	Item			118 000 00
20	Add: Profit	Item			
21	Add: Attendance	Item			
Carried to Collection				R	
Section No. 4					
Bill No. 1					
Work To Be Executed By Smme's					

		Unit	Quantity	Rate	Amount
<u>SECURITY FENCING AROUND TANKS TO BE EXECUTED BY SMME's</u>					
22	Provide the sum of R89 000.00 (Eighty Nine Thousand Rand) Fencing Around Tanks to be executed by SMME's.	Item			89 000 00
23	Add: Profit	Item			
24	Add: Attendance	Item			
<u>PROVISION OF TEMPORARY TOILETS DURING THE CONSTRUCTION PERIOD</u>					
<u>Portable toilets</u>					
25	Supply and erecting of the portable chemical toilet during the duration of the contract.	No	10		
26	Servicing and maintain the five portable chemical toilets on a weekly basis during duration of the contract. (No = week)	No	24		
27	Removal of the portable chemical toilet on completion of the contract.	No	10		
Carried to Collection				R	
Section No. 4					
Bill No. 1					
Work To Be Executed By Smme's					

BILL NO. 1

WORK TO BE EXECUTED BY SMME's

COLLECTION

Page No

Brought Forward from Page

71

72

73

Carried To Section Summary

R

Section No. 4

Bill No. 1

Work To Be Executed By Smme's

SECTION NO. 4

WORK TO BE EXECUTED BY SMME'S

SECTION SUMMARY

Bill No.

1

WORK TO BE EXECUTED BY SMME's

Page

74

Carried to Final Summary

R

Section No. 4
SECTION SUMMARY

SECTION NO. 5
PROVISIONAL SUMS, ETC.

SECTION NO. 5**PROVISIONAL SUMS, ETC.****PROVISIONAL SUMS, BUDGETARY ALLOWANCES, ETC.**

Note:

For Preambles see "PW 371 - A Edition 2.1 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (Edition 2.1 July 2014).

BUDGETARY ALLOWANCES**ELECTRICAL INSTALLATION**

- 1 Provided the Provisional sum of R 60 000.00 (Sixty Thousand Rand) for the refurbishment of existing electrical installations including replacing lights, plugs and sockets, etc.
- 2 Add for profit on the above, if desired.
- 3 Allow for attendance on the above, if desired.

Item 60 000 00

Item

Item

COMMUNITY LIAISON OFFICER (CLO)

- 4 Provide the sum of R 39 000.00 (Thirty Nine Thousand Hundred Rand) for the employment of a CLO.(R 6 500.00 per month x contract period allowance)
- 5 Add for profit on the above if required.

Item 45 000 00

Item

Carried to Final Summary

R

Section No. 5

Bill No. 1

Provisional Sums

[illegible]