

TMT-DBE-23/24-SAFEOS-ECCL46

BILLS OF QUANTITIES

INDEX TO BILLS OF QUANTITIES

<u>Bill No</u>	<u>Page No</u>
SECTION NO. 1: TABASE JUNIOR PRIMARY SCHOOL	1
1 PRELIMINARIES	2
Building Agreement And Preliminaries.	2
Section A: Jbcc Principal Building Agreement	3
Definitions	3
A1 Definitions And Interpretation.	3
Objective And Preparation	3
A2 Offer, Acceptance And Performance	3
A3 Documents	3
A4 Design Responsibility	3
A5 Employers Agents.	3
A6 Site Representative	3
A7 Compliance With Regulations	3
A8 Works Risk	3
A9 Indemnities	4
A10 Works Insurances.	4
A11 Liability Insurances	4
A12 Effecting Insurances	4
A14 Security	4
Execution	4
A15 Preperation For And Execution Of The Works.	4
A16 Access To The Works.	4
A17 Contract Instructions.	4
A18 Setting Out Of The Works	5

A19 Assignment	5
A20 Nominated Sub-contractors	5
A21 Selected Subcontractors	5
A22 Employer's Direct Contractors	5
A23 Contractor's Domestic Subcontractors	5
Completion	5
A24 Practical Completion	5
A25 Work's Completion	5
A26 Final Completion	5
A27 Latent Defects Liability Period	6
A28 Sectional Completion	6
A29 Revision Of Date For Practical Completion	6
A30 Penalty For Non-completion	6
Payment	6
A31 Interim Payment To The Contractor	6
A32 Adjustment To The Contract Value	7
A33 Recovery Of Expense And Loss	7
A34 Final Account And Final Payment	7
A35 Payment To Other Parties	7
Cancellation	7
A36 Cancellation By Employer - Contractor's Default	7
A37 Cancellation By Employer - Loss And Damage	7
A38 Cancellation By Contractor - Employer's Default	7
A39 Cancellation - Cessation Of The Works	7
Dispute	7
A40 Dispute Settlement	7

Substitute Provisions	7
A41 State Clauses.....	7
Contract Variables.....	8
The Schedule (C1.2 Contract Data)	8
A42 Pre-tender Information	8
Section B: Jbcc Preliminaries	8
B1.0 Definitions And Interpretation.....	8
B2.0 Documents	8
B3.0 The Site	9
B4.0 Management Of Contract	9
B5.0 Samples, Shop Drawings And Manufacturers' Instructions.....	10
B6.0 Temporary Works And Plant	10
B7.0 Temporary Services	11
B8.0 Prime Cost Amounts.....	11
9.0 Attendance On N/s Subcontractors.....	11
B10.0 Financial Aspects	12
B11. General	12
Section C: Specific Preliminaries	13
C1 Contract Drawings	13
C2 General Preambles	13
C3 Proprietary Branded Products	13
C4 Contractor's Responsibility	14
C5 Overtime	14
C6 As Built Drawings.....	14
C7 Contract Instructions	14
C8 Labour Record.....	15

C9 Plant Record	15
C10 Encroachment	15
C11 Method Statement	15
C12 Unauthorised Persons/workmen On Premises	15
C13 Mode Of Procedure	15
C14 Location Of Temporary Buildings And Temporary Services	16
C15 Office Accommodation	16
C16 Storage Facilities	16
C17 Removal And Making Good Of Temporary Works, Etc, On Completion	16
2 HEALTH AND SAFETY	18
Model Preambles	18
Supplementary Preambles	18
Occupational Health And Safety	18
3 RENOVATIONS	21
Preambles	21
Supplementary Preambles	21
Making Good Of Existing Work	21
Bathroom Fittings	22
Sanitary Fittings	22
4 GARDEN AND BALUSTRADE WALLS	24
Preambles	24
Earthworks (Provisional)	24
Concrete, Formwork & Reinforcement	25
Expansion Joints:	25
Test Cubes	25
Masonry	25

Facings Externally:	25
Painting	25
5 V – DRAINS	27
Preambles	27
Supplementary Preambles	27
Excavation Etc	28
Filling Etc Other Than Bulk	28
Dampproofing Of Walls And Floors.	28
Stormwater Drainage (Provisional)	28
Test Cubes	29
Reinforcement (Cpap Work Group No. 114)	29
6 CONCRETE APRONS, WALKWAYS & RAMPS.	31
Preambles	31
Earthworks (Provisional)	31
Concrete, Formwork & Reinforcement	32
Expansion Joints:	32
Test Cubes	32
Smooth Formwork (Degree Of Accuracy ii) (Cpap Work Group No. 111).	32
Reinforcement (Cpap Work Group No. 114)	32
Dampproofing Of Walls And Floors.	32
7 RETAINING WALLS.	34
Preambles	34
Earthworks (Provisional)	34
Concrete, Formwork & Reinforcement	35
Test Cubes	35
Masonry	35

Facings Externally:	35
Painting	35
8 SOAKAWAYS & CULVERTS	37
Preambles	37
Supplementary Preambles	37
Culverts	37
The Following In Stormwater Soakaways	38
The Following In Headwalls And Stormwater Dissipaters	38
9 GRADE R FENCING	42
Preambles	42
The Following In Security Fencing	42
10 PROVISIONAL SUMS.	46
Provisional Sums	46
Budgetary Allowances	46
SECTION SUMMARY.	47
SECTION NO. 2: MNTONINTSHI SENIOR PRIMARY SCHOOL	48
1 PRELIMINARIES	49
Building Agreement And Preliminaries.	49
Section A: Jbcc Principal Building Agreement	50
Definitions	50
A1 Definitions And Interpretation.	50
Objective And Preparation	50
A2 Offer, Acceptance And Performance	50
A3 Documents	50
A4 Design Responsibility	50
A5 Employers Agents.	50

A6 Site Representative	50
A7 Compliance With Regulations	50
A8 Works Risk	50
A9 Indemnities	51
A10 Works Insurances.	51
A11 Liability Insurances	51
A12 Effecting Insurances	51
A14 Security	51
Execution	51
A15 Preperation For And Execution Of The Works.	51
A16 Access To The Works.	51
A17 Contract Instructions.	51
A18 Setting Out Of The Works	52
A19 Assignment	52
A20 Nominated Sub-contractors.	52
A21 Selected Subcontractors	52
A22 Employer's Direct Contractors	52
A23 Contractor's Domestic Subcontractors	52
Completion	52
A24 Practical Completion.	52
A25 Work's Completion	52
A26 Final Completion.	52
A27 Latent Defects Liability Period	53
A28 Sectional Completion	53
A29 Revision Of Date For Practical Completion.	53
A30 Penalty For Non-completion	53

Payment	53
A31 Interim Payment To The Contractor	53
A32 Adjustment To The Contract Value.	54
A33 Recovery Of Expense And Loss.	54
A34 Final Account And Final Payment.	54
A35 Payment To Other Parties	54
Cancellation	54
A36 Cancellation By Employer - Contractor's Default	54
A37 Cancellation By Employer - Loss And Damage	54
A38 Cancellation By Contractor - Employer's Default	54
A39 Cancellation - Cessation Of The Works	54
Dispute	54
A40 Dispute Settlement	54
Substitute Provisions	54
A41 State Clauses.	54
Contract Variables.	55
The Schedule (C1.2 Contract Data)	55
A42 Pre-tender Information	55
Section B: Jbcc Preliminaries	55
B1.0 Definitions And Interpretation.	55
B2.0 Documents	55
B3.0 The Site	56
B4.0 Management Of Contract	56
B5.0 Samples, Shop Drawings And Manufacturers' Instructions.	57
B6.0 Temporary Works And Plant	57
B7.0 Temporary Services	58

B8.0 Prime Cost Amounts	58
9.0 Attendance On N/s Subcontractors	58
B10.0 Financial Aspects	59
B11. General	59
Section C: Specific Preliminaries	60
C1 Contract Drawings	60
C2 General Preambles	60
C3 Proprietary Branded Products	60
C4 Contractor's Responsibility	61
C5 Overtime	61
C6 As Built Drawings	61
C7 Contract Instructions	61
C8 Labour Record	62
C9 Plant Record	62
C10 Encroachment	62
C11 Method Statement	62
C12 Unauthorised Persons/workmen On Premises	62
C13 Mode Of Procedure	62
C14 Location Of Temporary Buildings And Temporary Services	63
C15 Office Accommodation	63
C16 Storage Facilities	63
C17 Removal And Making Good Of Temporary Works, Etc, On Completion	63
2 HEALTH AND SAFETY	65
Model Preambles	65
Supplementary Preambles	65
Occupational Health And Safety	65

3 RENOVATIONS	68
Preambles	68
Supplementary Preambles	68
Making Good Of Existing Work	69
Bathroom Fittings	69
Traps Etc	69
Tap Stands	69
Sanitary Plumbing	69
4 GARDEN AND BALUSTRADE WALLS	71
Preambles	71
Earthworks (Provisional)	71
Concrete, Formwork & Reinforcement	72
Expansion Joints:	72
Test Cubes	72
Masonry	72
Facings Externally:	72
Painting	72
5 V – DRAINS	74
Preambles	74
Supplementary Preambles	74
Excavation Etc	75
Filling Etc Other Than Bulk	75
Dampproofing Of Walls And Floors	75
Stormwater Drainage (Provisional)	75
Test Cubes	76
Reinforcement (Cpap Work Group No. 114)	76

6 CONCRETE APRONS, WALKWAYS & RAMPS.	78
Preambles	78
Earthworks (Provisional)	78
Concrete, Formwork & Reinforcement	78
Expansion Joints:	79
Test Cubes	79
Smooth Formwork (Degree Of Accuracy ii) (Cpap Work Group No. 111).	79
Reinforcement (Cpap Work Group No. 114)	79
Dampproofing Of Walls And Floors.	79
7 GRADE R FENCING	81
Preambles	81
The Following In Security Fencing	81
8 PROVISIONAL SUMS.	85
Provisional Sums	85
Budgetary Allowances	85
SECTION SUMMARY	86
SECTION NO. 3: NTSHOZWENI SENIOR PRIMARY SCHOOL	87
1 PRELIMINARIES	88
Building Agreement And Preliminaries.	88
Section A: Jbcc Principal Building Agreement	89
Definitions	89
A1 Definitions And Interpretation.	89
Objective And Preparation	89
A2 Offer, Acceptance And Performance	89
A3 Documents	89
A4 Design Responsibility	89

A5 Employers Agents.	89
A6 Site Representative	89
A7 Compliance With Regulations	89
A8 Works Risk	89
A9 Indemnities	90
A10 Works Insurances.	90
A11 Liability Insurances	90
A12 Effecting Insurances	90
A14 Security	90
Execution	90
A15 Preperation For And Execution Of The Works.	90
A16 Access To The Works.	90
A17 Contract Instructions.	90
A18 Setting Out Of The Works	91
A19 Assignment	91
A20 Nominated Sub-contractors	91
A21 Selected Subcontractors	91
A22 Employer's Direct Contractors	91
A23 Contractor's Domestic Subcontractors	91
Completion	91
A24 Practical Completion.	91
A25 Work's Completion	91
A26 Final Completion.	91
A27 Latent Defects Liability Period	92
A28 Sectional Completion	92
A29 Revision Of Date For Practical Completion.	92

A30 Penalty For Non-completion	92
Payment	92
A31 Interim Payment To The Contractor	92
A32 Adjustment To The Contract Value.	93
A33 Recovery Of Expense And Loss.	93
A34 Final Account And Final Payment.	93
A35 Payment To Other Parties	93
Cancellation	93
A36 Cancellation By Employer - Contractor's Default	93
A37 Cancellation By Employer - Loss And Damage	93
A38 Cancellation By Contractor - Employer's Default	93
A39 Cancellation - Cessation Of The Works	93
Dispute	93
A40 Dispute Settlement	93
Substitute Provisions	93
A41 State Clauses.	93
Contract Variables.	94
The Schedule (C1.2 Contract Data)	94
A42 Pre-tender Information	94
Section B: Jbcc Preliminaries	94
B1.0 Definitions And Interpretation.	94
B2.0 Documents	94
B3.0 The Site	95
B4.0 Management Of Contract	95
B5.0 Samples, Shop Drawings And Manufacturers' Instructions.	96
B6.0 Temporary Works And Plant	96

B7.0 Temporary Services	97
B8.0 Prime Cost Amounts	97
9.0 Attendance On N/s Subcontractors	97
B10.0 Financial Aspects	98
B11. General	98
Section C: Specific Preliminaries	99
C1 Contract Drawings	99
C2 General Preambles	99
C3 Proprietary Branded Products	99
C4 Contractor's Responsibility	100
C5 Overtime	100
C6 As Built Drawings	100
C7 Contract Instructions	100
C8 Labour Record	101
C9 Plant Record	101
C10 Encroachment	101
C11 Method Statement	101
C12 Unauthorised Persons/workmen On Premises	101
C13 Mode Of Procedure	101
C14 Location Of Temporary Buildings And Temporary Services	102
C15 Office Accommodation	102
C16 Storage Facilities	102
C17 Removal And Making Good Of Temporary Works, Etc, On Completion	102
2 HEALTH AND SAFETY	104
Model Preambles	104
Supplementary Preambles	104

Occupational Health And Safety	104
3 RENOVATIONS	107
Preambles	107
Supplementary Preambles	107
Making Good Of Existing Work	107
Bathroom Fittings	108
Sanitary Fittings	108
Sanitary Plumbing	108
4 GARDEN AND BALUSTRADE WALLS	110
Preambles	110
Earthworks (Provisional)	110
Concrete, Formwork & Reinforcement	111
Expansion Joints:	111
Test Cubes	111
Masonry	111
Facings Externally:	111
Painting	111
5 V-DRAINS	113
Preambles	113
Supplementary Preambles	113
Excavation Etc	114
Filling Etc Other Than Bulk	114
Dampproofing Of Walls And Floors.	114
Stormwater Drainage (Provisional)	114
Test Cubes	115
Reinforcement (Cpap Work Group No. 114)	115

6 CONCRETE APRONS, WALKWAYS & RAMPS.	117
Preambles	117
Earthworks (Provisional)	117
Concrete, Formwork & Reinforcement	117
Test Cubes	118
Smooth Formwork (Degree Of Accuracy ii) (Cpap Work Group No. 111).	118
Reinforcement (Cpap Work Group No. 114)	118
Dampproofing Of Walls And Floors.	118
7 RETAINING WALLS	120
Preambles	120
Earthworks (Provisional)	120
Concrete, Formwork & Reinforcement	121
Test Cubes	121
Masonry	121
Facings Externally:	121
Painting	121
8 SOAKAWAYS & CULVERTS	123
Preambles	123
Supplementary Preambles	123
Culverts	123
The Following In Headwalls And Stormwater Dissipaters	124
9 GRADE R FENCING	128
Preambles	128
The Following In Security Fencing	128
10 SCREEN WALLS	132
Preambles	132

Earthworks (Provisional)	132
Concrete, Formwork & Reinforcement	132
Test Cubes	133
Masonry	133
Facings Externally:	133
Painting	133
11 PROVISIONAL SUMS.	135
Provisional Sums	135
Budgetary Allowances	135
SECTION SUMMARY	136
SECTION NO. 4: LOWER CULUNCA JUNIOR SECONDARY SCHOOL	137
1 PRELIMINARIES	138
Building Agreement And Preliminaries.	138
Section A: Jbcc Principal Building Agreement	139
Definitions	139
A1 Definitions And Interpretation.	139
Objective And Preparation	139
A2 Offer, Acceptance And Performance	139
A3 Documents	139
A4 Design Responsibility	139
A5 Employers Agents.	139
A6 Site Representative	139
A7 Compliance With Regulations	139
A8 Works Risk	139
A9 Indemnities	140
A10 Works Insurances.	140

A11 Liability Insurances	140
A12 Effecting Insurances	140
A14 Security	140
Execution	140
A15 Preperation For And Execution Of The Works.	140
A16 Access To The Works.	140
A17 Contract Instructions.	140
A18 Setting Out Of The Works	141
A19 Assignment	141
A20 Nominated Sub-contractors.	141
A21 Selected Subcontractors	141
A22 Employer's Direct Contractors	141
A23 Contractor's Domestic Subcontractors	141
Completion	141
A24 Practical Completion.	141
A25 Work's Completion	141
A26 Final Completion.	141
A27 Latent Defects Liability Period	142
A28 Sectional Completion	142
A29 Revision Of Date For Practical Completion.	142
A30 Penalty For Non-completion	142
Payment.	142
A31 Interim Payment To The Contractor	142
A32 Adjustment To The Contract Value.	143
A33 Recovery Of Expense And Loss.	143
A34 Final Account And Final Payment.	143

A35 Payment To Other Parties	143
Cancellation	143
A36 Cancellation By Employer - Contractor's Default	143
A37 Cancellation By Employer - Loss And Damage	143
A38 Cancellation By Contractor - Employer's Default	143
A39 Cancellation - Cessation Of The Works	143
Dispute	143
A40 Dispute Settlement	143
Substitute Provisions	143
A41 State Clauses	143
Contract Variables	144
The Schedule (C1.2 Contract Data)	144
A42 Pre-tender Information	144
Section B: Jbcc Preliminaries	144
B1.0 Definitions And Interpretation	144
B2.0 Documents	144
B3.0 The Site	145
B4.0 Management Of Contract	145
B5.0 Samples, Shop Drawings And Manufacturers' Instructions	146
B6.0 Temporary Works And Plant	146
B7.0 Temporary Services	147
B8.0 Prime Cost Amounts	147
9.0 Attendance On N/s Subcontractors	147
B10.0 Financial Aspects	148
B11. General	148
Section C: Specific Preliminaries	149

C1 Contract Drawings	149
C2 General Preambles	149
C3 Proprietary Branded Products	149
C4 Contractor's Responsibility	150
C5 Overtime	150
C6 As Built Drawings	150
C7 Contract Instructions	150
C8 Labour Record	151
C9 Plant Record	151
C10 Encroachment	151
C11 Method Statement	151
C12 Unauthorised Persons/workmen On Premises	151
C13 Mode Of Procedure	151
C14 Location Of Temporary Buildings And Temporary Services	152
C15 Office Accommodation	152
C16 Storage Facilities	152
C17 Removal And Making Good Of Temporary Works, Etc, On Completion	152
2 HEALTH AND SAFETY	154
Model Preambles	154
Supplementary Preambles	154
Occupational Health And Safety	154
3 RENOVATIONS	157
Preambles	157
Supplementary Preambles	157
Making Good Of Existing Work	157
Rainwater Disposal	157

Sanitary Plumbing	158
Taps, Valves, Etc.	158
4 GARDEN AND BALUSTRADE WALLS	160
Preambles	160
Earthworks (Provisional)	160
Concrete, Formwork & Reinforcement	161
Expansion Joints:	161
Test Cubes	161
Masonry	161
Facings Externally:	161
Painting	161
5 V – DRAINS	163
Preambles	163
Supplementary Preambles	163
Excavation Etc	164
Filling Etc Other Than Bulk	164
Dampproofing Of Walls And Floors.	164
Stormwater Drainage (Provisional)	164
Test Cubes	165
Reinforcement (Cpap Work Group No. 114)	165
6 CONCRETE APRONS, WALKWAYS & RAMPS.	167
Preambles	167
Earthworks (Provisional)	167
Concrete, Formwork & Reinforcement	167
Expansion Joints:	168
Test Cubes	168

Reinforcement (Cpap Work Group No. 114)	168
Dampproofing Of Walls And Floors.	168
7 SOAKAWAYS & CULVERTS.	170
Preambles	170
Supplementary Preambles	170
Culverts	170
8 GRADE R FENCING	171
Preambles	171
The Following In Security Fencing	171
9 PROVISIONAL SUMS.	175
Provisional Sums	175
Budgetary Allowances	175
SECTION SUMMARY.	176

SECTION NO. 1

TABASE JUNIOR PRIMARY SCHOOL

Amount

SECTION NO. 1

TABASE JUNIOR PRIMARY SCHOOL

BILL NO. 1

PRELIMINARIES

BUILDING AGREEMENT AND PRELIMINARIES

1. The Principal Building Agreement shall be the JBCC Series Edition 4.1, March 2005 as recommended by the Joint Building Contracts Committee and as amended by this Tender Enquiry.
2. The Preliminaries shall be JBCC Series 2000, May 2005 for use with the Principal Building Agreement as recommended by the joint Building Contracts Committee and as amended by this Tender Enquiry shall be deemed to be incorporated herein.
3. The tenderor is deemed to have referred to the abovementioned documents for the full intent and meaning of each clause. The clauses in the abovementioned documents are hereinafter referred to by clause number and heading only.
4. Where standard clauses or alternatives are not entirely applicable to this contract, such modifications, corrections or additions as are necessary, are given as far as possible under each relevant clause heading. Additional Preliminary clauses are contained in Section C hereof.
5. No claim whatsoever shall be entertained in respect of errors or omissions in pricing due to brevity of descriptions of items which are fully described when read in conjunction with the relevant clauses of the said Principal Building Agreement, Preliminaries and Preambles.
6. The Tenderers shall allow opposite each of the clauses whatever costs and charges he may consider necessary for the carrying out, complying with and due observance of the provisions, conditions and requirements set out herein. Only priced items will be considered in respect of any adjustment of this Section. Any items left unpriced will be understood to be provided free of charge and no claim for any extras arising out of the Tenderer's omission to price any item will be entertained.
7. Where modifications or amendments as described are made, such modifications and/or amendments shall supercede any conflicting provisions in the relevant clauses of the Standard Preliminaries or the Principal Building Agreement and the Tenderer shall make due allowance for whatever costs and charges he may consider necessary for the carrying out and observance of the provisions of the clauses as modified and/or amended.
8. Where any item is not relevant to this specific contract, such item is marked N/A.
9. If Alternative A as set out in clause B10.3 hereinafter is to be used for the adjustment of the preliminaries, each item priced is to be allocated to one or more of the three categories by insertion of "F", "V", "T" as the case may be against the price in the "rate" column immediately preceding the "amount" column, where "F" denotes a fixed amount (amount not to be varied), "V" denotes an amount variable in proportion to value, and "T" denotes an amount proportionate to time.

Carried to Collection

R

Section No. 1

Bill No. 1

Preliminaries

Amount

SECTION A: JBCC PRINCIPAL BUILDING AGREEMENT

DEFINITIONS

A1 DEFINITIONS AND INTERPRETATION

Clause 1.0:

1 Fixed:_____ Value related:_____ Time related:_____0

Item

OBJECTIVE AND PREPARATION

A2 OFFER, ACCEPTANCE AND PERFORMANCE

Clause 2.0

2 Fixed:_____ Value related:_____ Time related:_____

Item

A3 DOCUMENTS

Clause 3.0

Clause 3.1 is deleted and substituted with: 'This tender is for a Government Contract. No Payment Guarantee will be provided.'

Clause 3.3 is deleted and substituted with:

The principal agent shall complete the schedule and arrange for formal signing of the agreement once the priced bill of quantities/lump sum document, security, insurances and waiver of lien, where acceptable, have been provided and effected'

3 Fixed:_____ Value related:_____ Time related:_____

Item

A4 DESIGN RESPONSIBILITY

Clause 4.0

4 Fixed:_____ Value related:_____ Time related:_____

Item

A5 EMPLOYERS AGENTS

Clause 5.0

5 Fixed:_____ Value related:_____ Time related:_____

Item

A6 SITE REPRESENTATIVE

Clause 6.0

6 Fixed:_____ Value related:_____ Time related:_____

Item

A7 COMPLIANCE WITH REGULATIONS

7 Fixed:_____ Value related:_____ Time related:_____

Item

Clause 7.0

8 Fixed:_____ Value related:_____ Time related:_____

Item

A8 WORKS RISK

Clause 8.0

9 Fixed:_____ Value related:_____ Time related:_____

Item

Carried to Collection

R

Section No. 1

Bill No. 1

Preliminaries

			Amount
<u>A9 INDEMNITIES</u>			
<u>Clause 9.0</u>			
Clause 9.1.1 is deleted and substituted with:			
Claims from other parties consequent upon death of bodily injury or illness of any person or physical loss or damage to any property, other than the works, arising out or due to the execution of the works or occupation of the site by the contractor or his sub contractors'.			
10	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A10 WORKS INSURANCES</u>			
<u>Clause 10.0</u>			
11	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A11 LIABILITY INSURANCES</u>			
<u>Clause 11.0</u>			
12	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A12 EFFECTING INSURANCES</u>			
<u>Clause 12.0</u>			
13	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A13. No clause</u>			
14	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A14 SECURITY</u>			
<u>Clause 14.0</u>			
15	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>EXECUTION</u>			
<u>A15 PREPERATION FOR AND EXECUTION OF THE WORKS</u>			
<u>Clause 15.0</u>			
16	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A16 ACCESS TO THE WORKS</u>			
<u>Clause 16.0</u>			
17	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A17 CONTRACT INSTRUCTIONS</u>			
<u>Clause 17.0</u>			
18	Fixed: _____ Value related: _____ Time related: _____	Item	
Carried to Collection		R	
Section No. 1			
Bill No. 1			
Preliminaries			

			Amount
<u>A18 SETTING OUT OF THE WORKS</u>			
<u>Clause 18.0</u>			
The contractor shall notify the principal agent if any encroachments of adjoining foundations, buildings, structures, pavements, boundaries, etc., exist in order that the necessary arrangements may be made for the rectification of any such encroachments. Should incorrect information be given to the contractor in terms of 18.1 and 18.2, which causes the incorrect setting out of the works, the contractor shall not be liable for such incorrect setting out			
19	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A19 ASSIGNMENT</u>			
<u>Clause 19.0</u>			
20	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A20 NOMINATED SUB-CONTRACTORS</u>			
<u>Clause 20.0</u>			
21	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A21 SELECTED SUBCONTRACTORS</u>			
<u>Clause 21.0</u>			
22	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A22 EMPLOYER'S DIRECT CONTRACTORS</u>			
<u>Clause 22.0</u>			
23	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A23 CONTRACTOR'S DOMESTIC SUBCONTRACTORS</u>			
<u>Clause 23.0</u>			
24	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>COMPLETION</u>			
<u>A24 PRACTICAL COMPLETION</u>			
<u>Clause 24.0</u>			
25	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A25 WORK'S COMPLETION</u>			
<u>Clause 25.0</u>			
26	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A26 FINAL COMPLETION</u>			
<u>Clause 26.0</u>			
27	Fixed: _____ Value related: _____ Time related: _____	Item	
Carried to Collection		R	
Section No. 1			
Bill No. 1			
Preliminaries			

			Amount
<u>A27 LATENT DEFECTS LIABILITY PERIOD</u>			
<u>Clause 27.0</u>			
Clause 27.0 is amended by the addition of the following clauses:			
"27.3 Any water leakage into the building, whether in the roof, external wall or other element of the building susceptible to water leakage shall, unless proven to be a design defect, or as a result of obvious storm damage, be classified as a latent defect in terms of clause 1.0 Definitions and Interpretations".			
"27.4 The Contractor shall attend to defects during the Defects Liability Period on a progressive basis, to the satisfaction of the Principal Agent and will not be permitted to wait until the end of the Defect Liability Period or until the amount of defects accumulates in order to attend to a comprehensive list of defects"			
28	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A28 SECTIONAL COMPLETION</u>			
<u>Clause 28.0</u>			
29	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A29 REVISION OF DATE FOR PRACTICAL COMPLETION</u>			
<u>Clause 29.0</u>			
30	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A30 PENALTY FOR NON-COMPLETION</u>			
<u>Clause 30.0</u>			
31	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>PAYMENT</u>			
<u>A31 INTERIM PAYMENT TO THE CONTRACTOR</u>			
<u>Clause 31.0</u>			
The inclusion of materials and goods stored off site in the amount authorised for payment in terms of clause 31.3 shall be at the sole discretion of the principal agent and such inclusion shall only be considered upon the provision, by the contractor, of an approved guarantee issued by a registered commercial bank.			
Where prices are submitted by the contractor or nominated/selected sub-contractor during the progress of the works in respect of contract instructions or in regard to a claim under the terms of the contract and notwithstanding the fact that such prices may be used in an interim payment certificate, there is to be no presumption of acceptance. Should the principal agent wish to accept any such prices prior to the issue of the final certificate, it will be in writing.			
32	Fixed: _____ Value related: _____ Time related: _____	Item	
Carried to Collection			
Section No. 1			
Bill No. 1			
Preliminaries			

			Amount
<u>A32 ADJUSTMENT TO THE CONTRACT VALUE</u>			
<u>Clause 32.0</u>			
33	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A33 RECOVERY OF EXPENSE AND LOSS</u>			
<u>Clause 33.0</u>			
34	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A34 FINAL ACCOUNT AND FINAL PAYMENT</u>			
<u>Clause 34.0</u>			
35	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A35 PAYMENT TO OTHER PARTIES</u>			
<u>Clause 35.0</u>			
36	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>CANCELLATION</u>			
<u>A36 CANCELLATION BY EMPLOYER - CONTRACTOR'S DEFAULT</u>			
<u>Clause 36.0</u>			
37	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A37 CANCELLATION BY EMPLOYER - LOSS AND DAMAGE</u>			
<u>Clause 37.0</u>			
38	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A38 CANCELLATION BY CONTRACTOR - EMPLOYER'S DEFAULT</u>			
<u>Clause 38.0</u>			
39	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A39 CANCELLATION - CESSATION OF THE WORKS</u>			
<u>Clause 39.0</u>			
40	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>DISPUTE</u>			
<u>A40 DISPUTE SETTLEMENT</u>			
<u>Clause 40.0</u>			
41	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>SUBSTITUTE PROVISIONS</u>			
<u>A41 STATE CLAUSES</u>			
<u>Clause 41.0</u>			
42	Fixed: _____ Value related: _____ Time related: _____	Item	
Carried to Collection		R	
Section No. 1			
Bill No. 1			
Preliminaries			

			Amount
<u>CONTRACT VARIABLES</u>			
<u>THE SCHEDULE (C1.2 CONTRACT DATA)</u>			
<u>A42 PRE-TENDER INFORMATION</u>			
<u>Clause 42.0</u>			
Tenderers are referred to the document C1.2 Contract Data for variables pertaining to this contract.			
43	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>SECTION B: JBCC PRELIMINARIES</u>			
<u>B1.0 DEFINITIONS AND INTERPRETATION</u>			
<u>B1.1 Definitions and interpretation</u>			
44	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B2.0 DOCUMENTS</u>			
<u>B2.1 Checking of documents</u>			
Notwithstanding the issue of the tender drawings, it will remain the responsibility of the Tenderer to study all available drawings at the offices of the Principal Agent during normal working hours in order to acquaint himself with all the cost implications of the design, programming, phasing, etc.			
45	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B2.2 Provisional bills of quantities</u>			
Prime Cost Amounts, Budgetary Allowances, Provisional Amounts, etc., contained herein may be omitted or reduced at the Principal Agent's sole discretion and the Contractor shall not be entitled to claim for any loss by way of reduction or omission of any discount, or percentage relating to Prime Cost Amounts, Budgetary Allowances, Provisional Amounts, Provisional Quantities, etc., or loss of profit related thereto.			
46	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B2.3 Availability of construction documentation</u>			
47	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B2.4 Interests of agents</u>			
48	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B2.5 Priced documents</u>			
49	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B2.6 Tender submission</u>			
Notwithstanding anything contained in this clause, Tenders shall be valid for a period of 20 (Twenty) weeks from the closing date of tenders.			
50	Fixed: _____ Value related: _____ Time related: _____	Item	
Carried to Collection		R	
Section No. 1			
Bill No. 1			
Preliminaries			

			Amount
<u>B3.0 THE SITE</u>			
<u>B3.1 Defined works area</u>			
The area of the works to be occupied by the contractor, any restriction on the area and the limit of access or exit will be pointed out to the contractor by the principal agent on handing over of the site.			
Workmen employed on the site are to be restricted to the immediate area of the site and access thereto.			
The Tenderer shall make all necessary provision in all rates to take into account these requirements as no claims for extras arising from these matters will be subsequently entertained or admitted.			
51	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B3.2 Geotechnical investigation</u>			
52	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B3.3 Inspection of the site</u>			
53	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B3.4 Existing premises occupied</u>			
54	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B3.5 Previous work - dimensional accuracy</u>			
55	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B3.6 Previous work - defects</u>			
56	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B3.7 Services - known</u>			
57	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B3.8 Services - unknown</u>			
58	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B3.9 Protection of trees</u>			
59	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B3.10 Articles of value</u>			
60	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B3.11 Inspection of adjoining properties</u>			
61	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B4.0 MANAGEMENT OF CONTRACT</u>			
<u>B4.1 Management of the works</u>			
62	Fixed: _____ Value related: _____ Time related: _____	Item	
Carried to Collection		R	
Section No. 1			
Bill No. 1			
Preliminaries			

			Amount
<u>B4.2 Programme for the works</u>			
63	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B4.3 Progress meetings</u>			
64	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B4.4 Technical meetings</u>			
65	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B4.5 Labour and plant records</u>			
66	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B5.0 SAMPLES, SHOP DRAWINGS AND MANUFACTURERS' INSTRUCTIONS</u>			
<u>B5.1 Samples of materials</u>			
67	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B5.2 Workmanship samples</u>			
68	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B5.3 Shop drawings</u>			
69	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B5.4 Compliance with manufacturers instructions</u>			
70	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B6.0 TEMPORARY WORKS AND PLANT</u>			
<u>B6.1 Deposits and fees</u>			
71	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B6.2 Enclosure of the works</u>			
The contractor shall erect, maintain and remove at completion, hoardings, safety screens, barriers, access gates, covered gangways and the like as necessary for the enclosure of the works and elements thereof all for the protection of the public and others.			
72	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B6.3 Advertising</u>			
73	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B6.4 Plant, equipment, sheds and offices</u>			
74	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B6.5 Main notice board</u>			
75	Fixed: _____ Value related: _____ Time related: _____	Item	
Carried to Collection		R	
Section No. 1			
Bill No. 1			
Preliminaries			

			Amount
	<u>B6.6 Subcontractors' notice board</u>		
76	Fixed: _____ Value related: _____ Time related: _____	Item	
	<u>B7.0 TEMPORARY SERVICES</u>		
	<u>B7.1 Location</u>		
77	Fixed: _____ Value related: _____ Time related: _____	Item	
	<u>B7.2 Water</u>		
	The contractor shall provide water for the works in accordance with: Alternative A (i.e. to be provided for by the Contractor).		
78	Fixed: _____ Value related: _____ Time related: _____	Item	
	<u>B7.3 Electricity</u>		
	The contractor shall provide electricity for the works in accordance with: Alternative A (i.e. to be provided for by the Contractor).		
79	Fixed: _____ Value related: _____ Time related: _____	Item	
	<u>B7.4 Telecommunication facilities</u>		
	The contractor shall provide telephones on site for the works in accordance with: Alternative A (i.e. to be provided for by the Contractor).		
80	Fixed: _____ Value related: _____ Time related: _____	Item	
	<u>B7.5 Ablution facilities</u>		
	The contractor shall provide toilet facilities on site for the works in accordance with: Alternative A (i.e. to be provided for by the Contractor).		
81	Fixed: _____ Value related: _____ Time related: _____	Item	
	<u>B8.0 PRIME COST AMOUNTS</u>		
	<u>B8.1 Responsibility for prime cost amounts</u>		
82	Fixed: _____ Value related: _____ Time related: _____	Item	
	<u>9.0 ATTENDANCE ON N/S SUBCONTRACTORS</u>		
	<u>B9.1 General attendance</u>		
83	Fixed: _____ Value related: _____ Time related: _____	Item	
	<u>B9.2 Special attendance</u>		
84	Fixed: _____ Value related: _____ Time related: _____	Item	
	<u>B9.3 Commissioning - fuel, water and electricity</u>		
85	Fixed: _____ Value related: _____ Time related: _____	Item	
Carried to Collection			
Section No. 1			
Bill No. 1			
Preliminaries			

			Amount
<u>B10.0 FINANCIAL ASPECTS</u>			
<u>B10.1 Statutory taxes, duties and levies</u>			
86	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B10.2 Payment for preliminaries</u>			
87	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B10.3 Adjustment of preliminaries</u>			
88	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B10.4 Payment certificate cash flow</u>			
89	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B11. GENERAL</u>			
<u>B11.1 Protection of the works</u>			
90	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B11.2 Protection / isolation of existing / sectionally occupied works</u>			
91	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B11.3 Security of the works</u>			
92	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B11.4 Notice before covering work</u>			
93	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>11.5 Disturbance</u>			
94	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B11.6 Environmental disturbance</u>			
95	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B11.7 Works cleaning and clearing</u>			
96	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B11.8 Vermin</u>			
97	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B11.9 Overhand work</u>			
98	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B11.10 Instruction manuals and guarantees</u>			
99	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B11.11 As built information</u>			
100	Fixed: _____ Value related: _____ Time related: _____	Item	
Carried to Collection			
Section No. 1			
Bill No. 1			
Preliminaries			

			Amount
101	<u>B11.12 Tenant installations</u>		
	Fixed: _____ Value related: _____ Time related: _____	Item	
102	<u>SECTION C: SPECIFIC PRELIMINARIES</u>		
	Section C contains specific preliminary items which apply to this contract except where N/A (Not Applicable) appears against an item.		
103	<u>C1 CONTRACT DRAWINGS</u>		
	The drawings issued with the tender documents do not comprise the complete set but serve as a guide only for tendering purposes and for indicating the scope of the work to enable the tenderer to acquaint himself with the nature and extent of the works and the manner in which they are to be executed. Should any part of the drawings not be clearly intelligible to the tenderer he shall, before submitting his tender, obtain clarification in writing from the principal agent.	Item	
104	<u>C2 GENERAL PREAMBLES</u>		
	The document "Specification of Materials and Methods to be used (PW371)" is obtainable on request from the head office and all regional offices of the Department, and shall be read in conjunction with the bills of quantities / lump sum document and be referred to for the full descriptions of work to be done and materials to be used.	Item	
104	<u>C3 PROPRIETARY BRANDED PRODUCTS</u>		
	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. 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. 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.	Item	
Carried to Collection			
Section No. 1			
Bill No. 1			
Preliminaries			

			Amount
<u>C4 CONTRACTOR'S RESPONSIBILITY</u>			
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			
105	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>C5 OVERTIME</u>			
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.			
106	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>C6 AS BUILT DRAWINGS</u>			
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.			
Three full sets of as-built drawings shall be submitted to the Principal Agent no later than fourteen days after practical completion			
107	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>C7 CONTRACT INSTRUCTIONS</u>			
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) Contract 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.			
Carried to Collection			
Section No. 1			
Bill No. 1			
Preliminaries			

			Amount
108	Fixed:_____ Value related:_____ Time related:_____	Item	
	<u>C8 LABOUR RECORD</u>		
	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		
109	F: V: T:	Item	
	<u>C9 PLANT RECORD</u>		
	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.		
110	F: V: T:	Item	
	<u>C10 ENCROACHMENT</u>		
	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		
111	F: V: T:	Item	
	<u>C11 METHOD STATEMENT</u>		
	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.		
112	F: V: T:	Item	
	<u>C12 UNAUTHORISED PERSONS/WORKMEN ON PREMISES</u>		
	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.		
	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.		
113	F: V: T:	Item	
	<u>C13 MODE OF PROCEDURE</u>		
	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.		
Carried to Collection			
Section No. 1			
Bill No. 1			
Preliminaries			

			Amount
114	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 F: V: T: <u>C14 LOCATION OF TEMPORARY BUILDINGS AND TEMPORARY SERVICES</u> 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 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	Item	
115	F: V: T: <u>C15 OFFICE ACCOMMODATION</u> 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]	Item	
116	F: V: T: <u>C16 STORAGE FACILITIES</u> The Contractor shall provide a Container for storage of materials.	Item	
117	F: V: T: <u>C17 REMOVAL AND MAKING GOOD OF TEMPORARY WORKS, ETC, ON COMPLETION</u> 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.	Item	
118	F: V: T:	Item	
Carried to Collection			
Section No. 1			
Bill No. 1			
Preliminaries			

Amount

SECTION NO. 1

TABASE JUNIOR PRIMARY SCHOOL

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

Carried To Section Summary

R

Section No. 1

Bill No. 1

Preliminaries

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 1</u> <u>TABASE JUNIOR PRIMARY SCHOOL</u> <u>BILL NO. 2</u> <u>HEALTH AND SAFETY</u> <u>MODEL PREAMBLES</u> The tenderer is referred to the "Model Preambles for Trades 2008" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates. <u>SUPPLEMENTARY PREAMBLES</u> Supplementary preambles and/or specifications are incorporated in these bills of quantities to satisfy the requirements of this project. Such supplementary preambles and/or specifications shall take precedence over the provisions of the General Preambles. The contractor's prices for all items throughout these bills of quantities shall take account of and include where applicable for all of the obligations, requirements and specifications given in the General Preambles and in any supplementary preambles and/or specifications. Prior to pricing the principal contractor must familiarize him/herself with the Occupational Health and Safety Act No. 85 Of 1993, Construction Regulations 2014, other relevant Regulations and Standards as well as project specific Health & Safety specifications. <u>OCCUPATIONAL HEALTH AND SAFETY</u> <u>General</u> 1 Preparation of Contractor's site specific Health and Safety Plan 2 Submission of the Health and Safety File 3 Principal Contractor's initial obligations in respect of the OHS Act and Construction Regulations 4 Principal Contractor's time related obligations in respect of the OHS Act and Construction Regulations for the entire construction period 5 Provision of full time Health and Safety Officer for the entire construction period 6 Induction training of all personnel 7 Provision of first aid boxes Carried to Collection Section No. 1 Bill No. 2 Health And Safety				
	Item			
	Item			
	Item			
	Item			
	Item			
	Item			
	Item			
			R	

	Unit	Quantity	Rate	Amount
8 SANS approved weld mesh type temporary barrier fencing 1,8m high covered with a net fixed to and including 100mm diameter gum poles set securely min 300mm deep in ground at max 3m spacing including excavation, backfilling, etc	m	150		
9 Extra over mesh fence for pedestrian gate size 1.8 x 1,8m high	No	1		
<u>Provision for Personal Protective Equipment and</u>				
10 Reflective vests.	Item			
11 Hard hats	Item			
12 Protective footwear	Item			
13 Ear plugs	Item			
14 Dust masks	Item			
<u>Medical certificates and medical surveillance</u>				
15 Initial (baseline) medical examinations for all personnel	Item			
16 Exit Examinations for all personnel	Item			
<u>Noise Monitoring</u>				
17 Establishment of noise zones	Item			
18 Audiograms	Item			
<u>Covid-19 Compliance Measures</u>				
19 The Contractor is required to price for Covid 19 compliance and the pricing thereof shall be deemed to include all the mandatory requirements	Item			
Carried to Collection			R	
Section No. 1				
Bill No. 2				
Health And Safety				

Amount

SECTION NO. 1

TABASE JUNIOR PRIMARY SCHOOL

BILL NO. 2

HEALTH AND SAFETY

COLLECTION

Page No

Brought Forward from Page

18

19

Carried To Section Summary

R

Section No. 1

Bill No. 2

Health And Safety

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 1</u> <u>TABASE JUNIOR PRIMARY SCHOOL</u> <u>BILL NO. 3</u> <u>RENOVATIONS</u> <u>PREAMBLES</u> The Tenderer is referred to the relevant Clause in the separate document Model Preambles for Trades (1999 Edition) published by the Association of South African Quantity Surveyors, the document "PW 371 - A Edition 2.1 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (Edition July 2014) and the Supplementary Preambles which are incorporated in these Bills of Quantities <u>SUPPLEMENTARY PREAMBLES</u> <u>View site</u> Before submitting his tender the tenderer shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials contained in the buildings or portions of the buildings to be demolished. No claim for any variations of the contract sum in respect of the nature and extent of the work or of inferior or damaged materials will be entertained <u>General</u> Water supply pipes and other piping in ground that may be encountered and found necessary to disconnect or cut, shall be effectually stopped off or grubbed up and removed, and any new connections that may be necessary shall be made with proper fittings to the satisfaction of the principal agent <u>MAKING GOOD OF EXISTING WORK</u> <u>Taking out and removing piping, sanitary fittings, etc including disconnecting piping from fittings and making good floor and wall finishes (making good tiling and paintwork elsewhere)</u>				
1 Remove VIP 200 pit pedestals, prepare surface to receive new VIP 450 pit pedestal (new pedestal measured elsewhere)	No	3		
<u>Making good falling VIP pedestal steel doors</u>				
2 Secure overhead timber beams to walls using expansion bolts, resecure and realign steel doors and make good plaster and paint	No	2		
Carried to Collection			R	
Section No. 1 Bill No. 3 Renovations				

	Unit	Quantity	Rate	Amount
<u>Making good existing security gates</u>				
3 Repair loose hanging or fallen gates by making good brick walls and then re-installing gates into position with new 13mm diameter x 90mm long expansion applied to existing gate hinges	No	1		
<u>BATHROOM FITTINGS</u>				
<u>Stainless steel bathroom fittings</u>				
4 Free standing She Bin: manufactured from Grade 304 1,2mm Stainless Steel, satin finished with surface treatment. The container to have an approximately 20 litre capacity	No	7		
<u>SANITARY FITTINGS</u>				
<u>Rust and corrosion resistant, UV-resistant polyethylene pedestals, urinals, basins, etc.</u>				
5 VIP 450 Pit pedestal complete with integral flap four times plugged to floor with and including 6 x 75mm masonry anchors.	No	3		
			R	
Carried to Collection				
Section No. 1 Bill No. 3 Renovations				

22

Amount

SECTION NO. 1

TABASE JUNIOR PRIMARY SCHOOL

BILL NO. 3

RENOVATIONS

COLLECTION

Page No

Brought Forward from Page

21

22

Carried To Section Summary

R

Section No. 1

Bill No. 3

Renovations

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 1</u> <u>TABASE JUNIOR PRIMARY SCHOOL</u> <u>BILL NO. 4</u> <u>GARDEN AND BALUSTRADE WALLS</u> <u>PREAMBLES</u> The Tenderer is referred to the relevant Clause in the separate document Model Preambles for Trades (1999 Edition) published by the Association of South African Quantity Surveyors, the document "PW 371 - A Edition 2.1 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (Edition July 2014) and the Supplementary Preambles which are incorporated in these Bills of Quantities <u>EARTHWORKS (PROVISIONAL)</u> <u>Excavate in pickable material not exceeding 2m deep below natural or reduced ground level:</u>				
1	Surface trenches.	m ³	59	
	<u>Extra over excavation in pickable material for column bases, trenches, lift pits, sumps, etc for excavation:</u>			
2	Soft rock.	m ³	6	
3	Hard rock.	m ³	1	
4	Allow for risk of collapse to sides of excavations to column bases, trenches, etc. from ground level to not exceeding 1,5m deep.	m ²	238	
5	Allow for keeping excavations entirely free from water or mud.	Item		
	<u>Earth filling obtained from the excavations and/or prescribed stock piles on site, compacted to 98% Mod AASHTO density</u>			
6	Backfilling to trenches, holes, etc.	m ³	11	
7	Scarify in-situ material for a depth of 150mm and compact to obtain 98% modified AASHTO dry density.	m ²	99	
	<u>Earth filling supplied by the contractor, compacted to 98% Mod AASHTO density</u>			
8	Under floors, steps, pavings, etc.	m ³	11	
Carried to Collection			R	
Section No. 1				
Bill No. 4				
Garden And Balustrade Walls				

		Unit	Quantity	Rate	Amount
<u>CONCRETE, FORMWORK & REINFORCEMENT</u>					
<u>25MPa Mass concrete in:</u>					
9	Wall footings cast against excavated surfaces.	m³	20		
<u>Expansion Joints:</u>					
10	12mm "Flexcell" or other approved cane fibre filler board in expansion joint between edge of concrete paving and walls in narrow widths not exceeding 150mm wide including tacking to face of wall.	m	198		
<u>TEST CUBES</u>					
<u>Test Cubes</u>					
11	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	6		
<u>MASONRY</u>					
<u>Brickwork of NFX bricks (14 MPa nominal compressive strength) in class II mortar</u>					
12	One brick wall.	m²	119		
13	Leave or form 115 x 75mm high weep hole through one brick wall.	No	12		
<u>2,5mm Galvanised brick reinforcement</u>					
14	150mm Wide reinforcement built in horizontally	m	396		
<u>Facings Externally:</u>					
<u>"Rustgold FBS/Qunu Travertine" clay face brick or equal approved, size 222 x 106 x 73mm, bedded and jointed in Class II mortar and pointed with recessed vertical and recessed horizontal joints, suitable for exposure zones 1-2 (Cement to be 42.5N all-purpose cement):</u>					
15	Extra over ordinary brickwork for facing in stretcher bond and pointing as described.	m²	119		
16	Brick on edge coping in header course to top of one brick wall bedded and jointed in cement mortar and pointed on top and both sides as described.	m	198		
<u>PAINTING</u>					
<u>Clean down with Spirits of Salts solution and apply two coats silicone-based brick dressing on:</u>					
17	Clinker brick facings (Externally).	m²	119		
				R	
Carried to Collection					
Section No. 1					
Bill No. 4					
Garden And Balustrade Walls					

25

Amount

SECTION NO. 1

TABASE JUNIOR PRIMARY SCHOOL

BILL NO. 4

GARDEN AND BALUSTRADE WALLS

COLLECTION

Page No

Brought Forward from Page

24

25

Carried To Section Summary

R

Section No. 1

Bill No. 4

Garden And Balustrade Walls

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 1</u> <u>TABASE JUNIOR PRIMARY SCHOOL</u> <u>BILL NO. 5</u> <u>V – DRAINS</u> <u>PREAMBLES</u> The Tenderer is referred to the relevant Clause in the separate document Model Preambles for Trades (1999 Edition) published by the Association of South African Quantity Surveyors, the document "PW 371 - A Edition 2.1 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (Edition July 2014) and the Supplementary Preambles which are incorporated in these Bills of Quantities <u>SUPPLEMENTARY PREAMBLES</u> <u>Nature of ground:</u> The nature of the ground is assumed to be loose sandy material, therefore 'earth', but possibly interspersed with 'soft rock' or 'hard rock' <u>Carting away of excavated material:</u> Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site <u>Filling:</u> Notwithstanding the reference to prescribed multiple handling in clause 1 page 6 of the Standard System of Measuring Building Work, prices for filling and backfilling shall include for all selection and any necessary multiple handling of material <u>Testing:</u> Prices for filling are to include for all necessary density tests in accordance with SABS 1200D <u>Cost of tests:</u> The costs of making, storing and testing of concrete test cubes as required under clause 7 Tests of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the principal agent. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval of the principal agent. (Test cubes are measured separately)				
Carried to Collection			R	
Section No. 1 Bill No. 5 V – Drains				

		Unit	Quantity	Rate	Amount
	<u>EXCAVATION ETC</u>				
	<u>Excavation in earth not exceeding 2m deep</u>				
1	Reduced levels under pavings	m ³	24		
	<u>Extra over all excavations for carting away</u>				
2	Surplus material from excavations and/or stock piles on site, to a dumping site to be located by the contractor	m ³	24		
	<u>FILLING ETC OTHER THAN BULK</u>				
	<u>Earth filling (G7 material) supplied by the contractor, compacted to 95% Mod AASHTO density</u>				
3	Under floors, steps, pavings, etc.	m ³	16		
	<u>Coarse river sand filling supplied by the contractor</u>				
4	Under pavings etc.	m ³	5		
	<u>Compaction of surfaces</u>				
5	Compaction of ground surface under floors etc. including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 98% Mod AASHTO density	m ²	106		
	<u>Prescribed density tests on filling</u>				
6	Modified AASHTO Density test	No	5		
	<u>DAMPPROOFING OF WALLS AND FLOORS</u>				
	<u>One layer 250 micron green polyethylene waterproof sheeting (SANS 952-1985 type C) sealed at laps with PVC self-adhesive tape</u>				
7	Under surface pavings etc.	m ²	106		
	<u>STORMWATER DRAINAGE (PROVISIONAL)</u>				
	<u>Precast or in-situ concrete (25 MPa) open stormwater channels having V-shaped waterway formed in top, finished smooth on all exposed surfaces in (3:1) untinted cement plaster trowelled smooth and with angles rounded, cast in maximum 3000mm lengths, and reinforced as necessary for handling if precast, including laying to falls, bedding and pointing in (3:1) cement mortar:</u>				
8	Channel size 700 x 230mm overall with 700 x 150mm deep v-channel waterway.	m	152		
9	Extra for angle.	No	13		
10	Extra for irregular T-intersection.	No	4		
	Carried to Collection			R	
	Section No. 1				
	Bill No. 5				
	V – Drains				

		Unit	Quantity	Rate	Amount
11	Extra for fair end.	No	3		
12	Extra for 1000mm long x 2700mm wide outlet with 300mm deep x 300mm wide thickened edge and thirteen number 150 x 150 x 150mm concrete block energy dissipaters set into in-situ concrete draining off to and including a 2700 x 600 x 100mm thick bed formed of 19mm diameter stones	No	3		
13	Stormwater dish drain size 900 x 600 x 900mm wide (2400 wide overall) x 300mm deep with 2400 x 150mm deep waterway.	m	3		
<u>TEST CUBES</u>					
<u>Test Cubes</u>					
14	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	6		
<u>REINFORCEMENT (CPAP WORK GROUP NO. 114)</u>					
<u>Fabric reinforcement</u>					
15	Type 617 fabric reinforcement in concrete dish drains etc	m ²	106		
Carried to Collection				R	
Section No. 1					
Bill No. 5					
V – Drains					

Amount

SECTION NO. 1

TABASE JUNIOR PRIMARY SCHOOL

BILL NO. 5

V – DRAINS

COLLECTION

Page No

Brought Forward from Page

27

28

29

Carried To Section Summary

R

Section No. 1

Bill No. 5

V – Drains

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 1</u> <u>TABASE JUNIOR PRIMARY SCHOOL</u> <u>BILL NO. 6</u> <u>CONCRETE APRONS, WALKWAYS & RAMPS</u> <u>PREAMBLES</u> The Tenderer is referred to the relevant Clause in the separate document Model Preambles for Trades (1999 Edition) published by the Association of South African Quantity Surveyors, the document "PW 371 - A Edition 2.1 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (Edition July 2014) and the Supplementary Preambles which are incorporated in these Bills of Quantities <u>EARTHWORKS (PROVISIONAL)</u> <u>Excavate in pickable material not exceeding 2m deep below natural or reduced ground level:</u>				
1 Reduce levels under pavings.	m ³	8		
<u>Extra over excavation in pickable material for column bases, trenches, lift pits, sumps, etc for excavation:</u>				
2 Soft rock.	m ³	1		
3 Hard rock.	m ³	1		
<u>Extra over excavation in pickable material for column bases, trenches, lift pits, sumps, etc for breaking up:</u>				
4 Unreinforced concrete	m ³	5		
5 Allow for keeping excavations entirely free from water or mud.	Item			
<u>Earth filling obtained from the excavations and/or prescribed stock piles on site, compacted to 98% Mod AASHTO density</u>				
6 Scarify in-situ material for a depth of 150mm and compact to obtain 95% modified AASHTO dry density.	m ²	63		
<u>Earth filling (G7 material) supplied by the contractor, compacted to 95% Mod AASHTO density</u>				
7 Under floors, steps, pavings, etc.	m ³	17		
Carried to Collection			R	
Section No. 1				
Bill No. 6				
Concrete Aprons, Walkways & Ramps				

		Unit	Quantity	Rate	Amount
<u>CONCRETE, FORMWORK & REINFORCEMENT</u>					
<u>25MPa Mass concrete in:</u>					
8	Ramps	m ³	2		
9	Pavings.	m ³	12		
<u>Sundries:</u>					
10	Strike off and cure tops of surface beds laid in panels approximately 1000mm long x 1000mm wide to uniform levels including all necessary formwork to form toggle joints to temporary construction joints to falls.	m ²	128		
11	Extra for floating off smooth tops of surface beds laid in panels ta brush finish including slightly rounded edges to panels.	m ²	128		
<u>Expansion Joints:</u>					
12	12mm "Flexcell" or other approved cane fibre filler board in expansion joint between edge of concrete paving and walls in narrow widths not exceeding 150mm wide including tacking to face of wall.	m	77		
<u>TEST CUBES</u>					
<u>Test Cubes</u>					
13	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	4		
<u>SMOOTH FORMWORK (DEGREE OF ACCURACY II) (CPAP WORK GROUP NO. 111)</u>					
<u>Smooth formwork to sides</u>					
14	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	16		
<u>REINFORCEMENT (CPAP WORK GROUP NO. 114)</u>					
<u>Fabric reinforcement</u>					
15	Type 617 fabric reinforcement in concrete surface beds etc	m ²	128		
<u>DAMPPROOFING OF WALLS AND FLOORS</u>					
<u>One layer 250 micron green polyethylene waterproof sheeting (SANS 952-1985 type C) sealed at laps with PVC self-adhesive tape</u>					
16	Under surface pavings etc.	m ²	128		
Carried to Collection				R	
Section No. 1					
Bill No. 6					
Concrete Aprons, Walkways & Ramps					

Amount

SECTION NO. 1

TABASE JUNIOR PRIMARY SCHOOL

BILL NO. 6

CONCRETE APRONS, WALKWAYS & RAMPS

COLLECTION

Page No

Brought Forward from Page

31

32

Carried To Section Summary

Section No. 1

Bill No. 6

Concrete Aprons, Walkways & Ramps

R

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 1</u> <u>TABASE JUNIOR PRIMARY SCHOOL</u> <u>BILL NO. 7</u> <u>RETAINING WALLS</u> <u>PREAMBLES</u> The Tenderer is referred to the relevant Clause in the separate document Model Preambles for Trades (1999 Edition) published by the Association of South African Quantity Surveyors, the document "PW 371 - A Edition 2.1 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (Edition July 2014) and the Supplementary Preambles which are incorporated in these Bills of Quantities <u>EARTHWORKS (PROVISIONAL)</u> <u>Excavate in pickable material not exceeding 2m deep below natural or reduced ground level:</u>				
1	m ³	9		
<u>Extra over excavation in pickable material for column bases, trenches, lift pits, sumps, etc for excavation:</u>				
2	m ³	1		
3	m ³	1		
4	m ²	29		
5	Item			
<u>Earth filling obtained from the excavations and/or prescribed stock piles on site, compacted to 98% Mod AASHTO density</u>				
6	m ³	2		
7	m ²	11		
<u>Earth filling supplied by the contractor, compacted to 98% Mod AASHTO density</u>				
8	m ³	2		
Carried to Collection			R	
Section No. 1				
Bill No. 7				
Retaining Walls				

		Unit	Quantity	Rate	Amount
<u>CONCRETE, FORMWORK & REINFORCEMENT</u>					
<u>25MPa Mass concrete in:</u>					
9	Wall footings cast against excavated surfaces.	m ³	3		
<u>TEST CUBES</u>					
<u>Test Cubes</u>					
10	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	1		
<u>MASONRY</u>					
<u>Brickwork of NFX bricks (14 MPa nominal compressive strength) in class II mortar</u>					
11	One brick wall.	m ²	19		
12	Leave or form 115 x 75mm high weep hole through one brick wall.	No	6		
<u>2.5mm Galvanised brick reinforcement</u>					
13	150mm Wide reinforcement built in horizontally	m	76		
<u>Facings Externally:</u>					
<u>"Rustgold FBS/Qunu Travertine" clay face brick or equal approved, size 222 x 106 x 73mm, bedded and jointed in Class II mortar and pointed with recessed vertical and recessed horizontal joints, suitable for exposure zones 1-2 (Cement to be 42.5N all-purpose cement):</u>					
14	Extra over ordinary brickwork for facing in stretcher bond and pointing as described.	m ²	10		
15	Brick on edge coping in header course to top of one brick wall bedded and jointed in cement mortar and pointed on top and both sides as described.	m	19		
<u>PAINTING</u>					
<u>Clean down with Spirits of Salts solution and apply two coats silicone-based brick dressing on:</u>					
16	Clinker brick facings (Externally).	m ²	10		
Carried to Collection				R	
Section No. 1					
Bill No. 7					
Retaining Walls					

Amount

SECTION NO. 1

TABASE JUNIOR PRIMARY SCHOOL

BILL NO. 7

RETAINING WALLS

COLLECTION

Page No

Brought Forward from Page

34

35

Carried To Section Summary

R

Section No. 1

Bill No. 7

Retaining Walls

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		Unit	Quantity	Rate	Amount
<u>THE FOLLOWING IN STORMWATER SOAKAWAYS</u>					
<u>Site clearance</u>					
4	Digging up and removing rubbish, debris, vegetation, hedges, shrubs, bush, etc. and trees not exceeding 200mm girth	m ²	2		
<u>Subsoil drainage</u>					
5	Excavation in earth not exceeding 2m deep for pipe trenches and holes	m ³	2		
6	Extra over all excavations for carting away surplus material from excavations and/or stock piles on site, to a dumping site to be located by the contractor	m ³	2		
7	Risk of collapse to sides of trench and hole excavation not exceeding 1.5m deep	m ²	1		
8	Risk of collapse to sides of trench and hole excavation exceeding 1.5m but not exceeding 3.0m deep	m ²	7		
9	Keeping excavations free of water	Item			
10	Filling in bedding under and filling around pipes with granular material supplied by the contractor and compacted to 98% Mod AASHTO density	m ³	2		
11	19mm Crushed stone beds	m ³	1		
12	63mm Stone beds	m ³	1		
<u>Geotextle filter fabric blanket with stiched 300mm laps</u>					
13	Around stone filling in sub-soil drain trenches	m ²	2		
<u>THE FOLLOWING IN HEADWALLS AND STORMWATER DISSIPATERS</u>					
<u>Site clearance</u>					
14	Digging up and removing rubbish, debris, vegetation, hedges, shrubs, bush, etc. and trees not exceeding 200mm girth	m ²	5		
15	Stripping average 150mm thick layer of top soil and depositing material in prescribed stock piles on site	m ²	5		
<u>Open face excavation in earth over sloping site</u>					
16	Open face excavation	m ³	5		
<u>Excavation in earth not exceeding 2m deep</u>					
17	Trenches	m ³	1		
Carried to Collection				R	
Section No. 1					
Bill No. 8					
Soakaways & Culverts					

		Unit	Quantity	Rate	Amount
18	Holes	m ³	1		
	<u>Extra over trench and hole excavations in earth for excavation in</u>				
19	Soft rock	m ³	1		
20	Hard rock	m ³	1		
	<u>Extra over all excavations for carting away</u>				
21	Surplus material from excavations and/or stock piles on site, to a dumping site to be located by the contractor	m ³	6		
	<u>Risk of collapse of excavations</u>				
22	Sides of trench and hole excavations not exceeding 1,5m deep	m ²	4		
	<u>Coarse river sand filling supplied by the contractor</u>				
23	Under floors etc.	m ³	1		
	<u>Keeping excavations free of water</u>				
24	Keeping excavations free of all water other than subterranean water	Item			
	<u>Gabions of galvanised wire boxes laced together and filled with broken stone, with voids filled with 1:3 cement sand mixture</u>				
25	300mm Thick gabion mattress of 1.8 x 1 x 0.3m boxes properly bonded	m ³	1		
	<u>A3 Geotextile filter fabric blanket with 300mm laps</u>				
26	Under stone filled gabion mattresses including preparing ground surface under	m ²	2		
	<u>25MPa/19mm concrete</u>				
27	Surface beds on waterproofing	m ³	0.26		
28	Walls in foundations (Provisional)	m ³	1		
	<u>Test cubes</u>				
29	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	1		
	<u>Finishing top surfaces of concrete smooth with a wood float</u>				
30	Surface beds, slabs, etc. to falls and currents	m ²	2		
	<u>Rough formwork to sides</u>				
31	Walls in foundations (Provisional)	m ²	1		
	Carried to Collection			R	
	Section No. 1				
	Bill No. 8				
	Soakaways & Culverts				

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Amount

SECTION NO. 1

TABASE JUNIOR PRIMARY SCHOOL

BILL NO. 8

SOAKAWAYS & CULVERTS

COLLECTION

Page No

Brought Forward from Page

37

38

39

40

Carried To Section Summary

R

Section No. 1

Bill No. 8

Soakaways & Culverts

42

		Unit	Quantity	Rate	Amount
6	150mm Ditto as straining or corner posts, but fitted with two 75mm diameter galvanised steel raking stays and with top ends flattened and bolted through post with post embedded in 600 x 600 x 700mm high mass concrete (15MPa) base and stays embedded in 700 x 700 x 450mm high mass concrete (15MPa) base	No	4		
7	150mm Ditto as end/ gate post, but fitted with one 75mm diameter galvanised steel stay set raking and with top end flattened and bolted through post, with post embedded in 600 x 600 x 700mm mass concrete (15MPa) base and stay embedded in 700 x 700 x 450mm high mass concrete (15MPa) base with all base tops set raking (sloping)	No	5		
	<u>Gates</u>				
8	Security fence single gate, size 900 mm wide x 1800 mm high, formed of 50 mm diameter nominal bore x 2,2 mm wall thickness hot dip galvanised mild steel pipe framing all round with mitred and welded angles and middle rail, with 20mm diameter x 300mm long locking bolt welded on and a pair of heavy duty gate hooks for a 16mm band hinge pin welded on to gate and including a pair of 16mm band hinge pins bolted to gate posts	No	1		
9	Security fence single gate, size 1500 mm wide x 1800 mm high, formed of 50 mm diameter nominal bore x 2,2 mm wall thickness hot dip galvanised mild steel pipe framing all round with mitred and welded angles and middle rail, hung on pair of socketted and pinned hinges with pin 18mm in diameter and bolted to brick wall and with 20mm diameter x 300mm long locking bolt welded on.	No	1		
10	Double gate, size 6 000 mm wide x 1 800 mm high overall in two leaves, formed of 50 mm diameter nominal bore x 2.5 mm wall thickness hot dip galvanised mild steel pipe framing all round with 25 mm diameter nominal bore x 2.0 mm wall thickness diagonal and centre braces, scribed and welded into angles and at cross intersections, gate filled with 50 x 50 x 2,0mm galvanised wire diamond mesh, with two 50 mm diameter nominal bore x 3,25 mm wall thickness security posts each 600 mm long with one end welded to top rail of gate and closure plate to other end, each leaf fitted with two 25 mm diameter x 300 mm long eyebolt hinges and stops including all holes, etc., welded or bolted to adjoining galvanised gatepost with and including 500 mm long approved chain spot welded to gate and 200 x 200 x 300mm thick 25MPa concrete concrete block with a 19mm x 100mm long galvanised steel pipe as keep for gate bolt	No	1		
	Carried to Collection			R	
	Section No. 1				
	Bill No. 9				
	Grade R Fencing				

	Unit	Quantity	Rate	Amount
<u>Locks</u> 11 50mm "Viro" or other equally approved padlocks for external use.	No	3		
Carried to Collection			R	
Section No. 1 Bill No. 9 Grade R Fencing				

44

Amount

SECTION NO. 1

TABASE JUNIOR PRIMARY SCHOOL

BILL NO. 9

GRADE R FENCING

COLLECTION

Page No

Brought Forward from Page

42

43

44

Carried To Section Summary

R

Section No. 1

Bill No. 9

Grade R Fencing

Amount

SECTION NO. 1

TABASE JUNIOR PRIMARY SCHOOL

BILL NO. 10

PROVISIONAL SUMS

PROVISIONAL SUMS

Supplementary Preambles

Tenderers are advised that no claim in respect of loss of profit or Preliminary charges based on the omission of these amounts will be considered and the said amounts will be omitted strictly without any financial compensation payable to the Contractor.

Provisional sums and Budgetary allowances contained herein may be omitted or reduced at the Employer's discretion and the Contractor shall not be entitled to claim for any loss by way of reductions or omission of any discount, or percentage relating to Provisional amounts and Budgetary sums or any loss of profit related thereto.

BUDGETARY ALLOWANCES

Sundry building work

- 1 Provide the sum of R22 500.00 for the employment of a Community Liaison Officer to be employed by the Main Contractor and be paid an allowance of R7 500.00 a month for the duration (3 months)

Item 22 500 00

- 2 Profit

Item

- 3 Attendance

Item

- 4 Provide the sum of R105 000. 00 for the hire, maintenance and servicing of temporary toilets for educators and learners during the entire constructions period

Item 105 000 00

- 5 Profit

Item

- 6 Attendance

Item

Contingencies

- 7 Allow the Amount of R40 000.00 (Fourty Thousand Rands) for contingencies, to be used by the Architect in terms of Clause 17 of the Principal Building Agreement.

Item 40 000 00

Carried To Section Summary

R

Section No. 1

Bill No. 10

Provisional Sums

Amount

SECTION NO. 1
TABASE JUNIOR PRIMARY SCHOOL
SECTION SUMMARY

Bill No.		Page
1	PRELIMINARIES	17
2	HEALTH AND SAFETY	20
3	RENOVATIONS	23
4	GARDEN AND BALUSTRADE WALLS	26
5	V – DRAINS	30
6	CONCRETE APRONS, WALKWAYS & RAMPS	33
7	RETAINING WALLS	36
8	SOAKAWAYS & CULVERTS	41
9	GRADE R FENCING	45
10	PROVISIONAL SUMS	46

Section No. 1
SECTION SUMMARY

Carried to Final Summary

R

SECTION NO. 2

MNTONINTSHI SENIOR PRIMARY SCHOOL

Amount

SECTION NO. 2

MNTONINTSHI SENIOR PRIMARY SCHOOL

BILL NO. 1

PRELIMINARIES

BUILDING AGREEMENT AND PRELIMINARIES

1. The Principal Building Agreement shall be the JBCC Series Edition 4.1, March 2005 as recommended by the Joint Building Contracts Committee and as amended by this Tender Enquiry.
2. The Preliminaries shall be JBCC Series 2000, May 2005 for use with the Principal Building Agreement as recommended by the joint Building Contracts Committee and as amended by this Tender Enquiry shall be deemed to be incorporated herein.
3. The tenderor is deemed to have referred to the abovementioned documents for the full intent and meaning of each clause. The clauses in the abovementioned documents are hereinafter referred to by clause number and heading only.
4. Where standard clauses or alternatives are not entirely applicable to this contract, such modifications, corrections or additions as are necessary, are given as far as possible under each relevant clause heading. Additional Preliminary clauses are contained in Section C hereof.
5. No claim whatsoever shall be entertained in respect of errors or omissions in pricing due to brevity of descriptions of items which are fully described when read in conjunction with the relevant clauses of the said Principal Building Agreement, Preliminaries and Preambles.
6. The Tenderers shall allow opposite each of the clauses whatever costs and charges he may consider necessary for the carrying out, complying with and due observance of the provisions, conditions and requirements set out herein. Only priced items will be considered in respect of any adjustment of this Section. Any items left unpriced will be understood to be provided free of charge and no claim for any extras arising out of the Tenderer's omission to price any item will be entertained.
7. Where modifications or amendments as described are made, such modifications and/or amendments shall supercede any conflicting provisions in the relevant clauses of the Standard Preliminaries or the Principal Building Agreement and the Tenderer shall make due allowance for whatever costs and charges he may consider necessary for the carrying out and observance of the provisions of the clauses as modified and/or amended.
8. Where any item is not relevant to this specific contract, such item is marked N/A.
9. If Alternative A as set out in clause B10.3 hereinafter is to be used for the adjustment of the preliminaries, each item priced is to be allocated to one or more of the three categories by insertion of "F", "V", "T" as the case may be against the price in the "rate" column immediately preceding the "amount" column, where "F" denotes a fixed amount (amount not to be varied), "V" denotes an amount variable in proportion to value, and "T" denotes an amount proportionate to time.

Carried to Collection

R

Section No. 2

Bill No. 1

Preliminaries

			Amount
<u>SECTION A: JBCC PRINCIPAL BUILDING AGREEMENT</u>			
<u>DEFINITIONS</u>			
<u>A1 DEFINITIONS AND INTERPRETATION</u>			
<u>Clause 1.0:</u>			
1	Fixed:_____ Value related:_____ Time related:_____0	Item	
<u>OBJECTIVE AND PREPARATION</u>			
<u>A2 OFFER, ACCEPTANCE AND PERFORMANCE</u>			
<u>Clause 2.0</u>			
2	Fixed:_____ Value related:_____ Time related:_____	Item	
<u>A3 DOCUMENTS</u>			
<u>Clause 3.0</u>			
Clause 3.1 is deleted and substituted with: 'This tender is for a Government Contract. No Payment Guarantee will be provided.'			
Clause 3.3 is deleted and substituted with:			
The principal agent shall complete the schedule and arrange for formal signing of the agreement once the priced bill of quantities/lump sum document, security, insurances and waiver of lien, where acceptable, have been provided and effected'			
3	Fixed:_____ Value related:_____ Time related:_____	Item	
<u>A4 DESIGN RESPONSIBILITY</u>			
<u>Clause 4.0</u>			
4	Fixed:_____ Value related:_____ Time related:_____	Item	
<u>A5 EMPLOYERS AGENTS</u>			
<u>Clause 5.0</u>			
5	Fixed:_____ Value related:_____ Time related:_____	Item	
<u>A6 SITE REPRESENTATIVE</u>			
<u>Clause 6.0</u>			
6	Fixed:_____ Value related:_____ Time related:_____	Item	
<u>A7 COMPLIANCE WITH REGULATIONS</u>			
7	Fixed:_____ Value related:_____ Time related:_____	Item	
<u>Clause 7.0</u>			
8	Fixed:_____ Value related:_____ Time related:_____	Item	
<u>A8 WORKS RISK</u>			
<u>Clause 8.0</u>			
9	Fixed:_____ Value related:_____ Time related:_____	Item	
Carried to Collection		R	
Section No. 2			
Bill No. 1			
Preliminaries			

			Amount
<u>A9 INDEMNITIES</u>			
<u>Clause 9.0</u>			
Clause 9.1.1 is deleted and substituted with:			
Claims from other parties consequent upon death of bodily injury or illness of any person or physical loss or damage to any property, other than the works, arising out or due to the execution of the works or occupation of the site by the contractor or his sub contractors'.			
10	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A10 WORKS INSURANCES</u>			
<u>Clause 10.0</u>			
11	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A11 LIABILITY INSURANCES</u>			
<u>Clause 11.0</u>			
12	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A12 EFFECTING INSURANCES</u>			
<u>Clause 12.0</u>			
13	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A13. No clause</u>			
14	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A14 SECURITY</u>			
<u>Clause 14.0</u>			
15	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>EXECUTION</u>			
<u>A15 PREPERATION FOR AND EXECUTION OF THE WORKS</u>			
<u>Clause 15.0</u>			
16	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A16 ACCESS TO THE WORKS</u>			
<u>Clause 16.0</u>			
17	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A17 CONTRACT INSTRUCTIONS</u>			
<u>Clause 17.0</u>			
18	Fixed: _____ Value related: _____ Time related: _____	Item	
Section No. 2			
Bill No. 1			
Preliminaries			
Carried to Collection		R	

			Amount
<u>A18 SETTING OUT OF THE WORKS</u>			
<u>Clause 18.0</u>			
The contractor shall notify the principal agent if any encroachments of adjoining foundations, buildings, structures, pavements, boundaries, etc., exist in order that the necessary arrangements may be made for the rectification of any such encroachments. Should incorrect information be given to the contractor in terms of 18.1 and 18.2, which causes the incorrect setting out of the works, the contractor shall not be liable for such incorrect setting out			
19	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A19 ASSIGNMENT</u>			
<u>Clause 19.0</u>			
20	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A20 NOMINATED SUB-CONTRACTORS</u>			
<u>Clause 20.0</u>			
21	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A21 SELECTED SUBCONTRACTORS</u>			
<u>Clause 21.0</u>			
22	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A22 EMPLOYER'S DIRECT CONTRACTORS</u>			
<u>Clause 22.0</u>			
23	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A23 CONTRACTOR'S DOMESTIC SUBCONTRACTORS</u>			
<u>Clause 23.0</u>			
24	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>COMPLETION</u>			
<u>A24 PRACTICAL COMPLETION</u>			
<u>Clause 24.0</u>			
25	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A25 WORK'S COMPLETION</u>			
<u>Clause 25.0</u>			
26	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A26 FINAL COMPLETION</u>			
<u>Clause 26.0</u>			
27	Fixed: _____ Value related: _____ Time related: _____	Item	
Carried to Collection		R	
Section No. 2			
Bill No. 1			
Preliminaries			

			Amount
<u>A27 LATENT DEFECTS LIABILITY PERIOD</u>			
<u>Clause 27.0</u>			
Clause 27.0 is amended by the addition of the following clauses:			
"27.3 Any water leakage into the building, whether in the roof, external wall or other element of the building susceptible to water leakage shall, unless proven to be a design defect, or as a result of obvious storm damage, be classified as a latent defect in terms of clause 1.0 Definitions and Interpretations".			
"27.4 The Contractor shall attend to defects during the Defects Liability Period on a progressive basis, to the satisfaction of the Principal Agent and will not be permitted to wait until the end of the Defect Liability Period or until the amount of defects accumulates in order to attend to a comprehensive list of defects"			
28	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A28 SECTIONAL COMPLETION</u>			
<u>Clause 28.0</u>			
29	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A29 REVISION OF DATE FOR PRACTICAL COMPLETION</u>			
<u>Clause 29.0</u>			
30	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A30 PENALTY FOR NON-COMPLETION</u>			
<u>Clause 30.0</u>			
31	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>PAYMENT</u>			
<u>A31 INTERIM PAYMENT TO THE CONTRACTOR</u>			
<u>Clause 31.0</u>			
The inclusion of materials and goods stored off site in the amount authorised for payment in terms of clause 31.3 shall be at the sole discretion of the principal agent and such inclusion shall only be considered upon the provision, by the contractor, of an approved guarantee issued by a registered commercial bank.			
Where prices are submitted by the contractor or nominated/selected sub-contractor during the progress of the works in respect of contract instructions or in regard to a claim under the terms of the contract and notwithstanding the fact that such prices may be used in an interim payment certificate, there is to be no presumption of acceptance. Should the principal agent wish to accept any such prices prior to the issue of the final certificate, it will be in writing.			
32	Fixed: _____ Value related: _____ Time related: _____	Item	
Carried to Collection		R	
Section No. 2			
Bill No. 1			
Preliminaries			

			Amount
<u>A32 ADJUSTMENT TO THE CONTRACT VALUE</u>			
<u>Clause 32.0</u>			
33	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A33 RECOVERY OF EXPENSE AND LOSS</u>			
<u>Clause 33.0</u>			
34	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A34 FINAL ACCOUNT AND FINAL PAYMENT</u>			
<u>Clause 34.0</u>			
35	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A35 PAYMENT TO OTHER PARTIES</u>			
<u>Clause 35.0</u>			
36	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>CANCELLATION</u>			
<u>A36 CANCELLATION BY EMPLOYER - CONTRACTOR'S DEFAULT</u>			
<u>Clause 36.0</u>			
37	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A37 CANCELLATION BY EMPLOYER - LOSS AND DAMAGE</u>			
<u>Clause 37.0</u>			
38	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A38 CANCELLATION BY CONTRACTOR - EMPLOYER'S DEFAULT</u>			
<u>Clause 38.0</u>			
39	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A39 CANCELLATION - CESSATION OF THE WORKS</u>			
<u>Clause 39.0</u>			
40	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>DISPUTE</u>			
<u>A40 DISPUTE SETTLEMENT</u>			
<u>Clause 40.0</u>			
41	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>SUBSTITUTE PROVISIONS</u>			
<u>A41 STATE CLAUSES</u>			
<u>Clause 41.0</u>			
42	Fixed: _____ Value related: _____ Time related: _____	Item	
Carried to Collection		R	
Section No. 2			
Bill No. 1			
Preliminaries			

			Amount
<u>CONTRACT VARIABLES</u>			
<u>THE SCHEDULE (C1.2 CONTRACT DATA)</u>			
<u>A42 PRE-TENDER INFORMATION</u>			
<u>Clause 42.0</u>			
Tenderers are referred to the document C1.2 Contract Data for variables pertaining to this contract.			
43	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>SECTION B: JBCC PRELIMINARIES</u>			
<u>B1.0 DEFINITIONS AND INTERPRETATION</u>			
<u>B1.1 Definitions and interpretation</u>			
44	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B2.0 DOCUMENTS</u>			
<u>B2.1 Checking of documents</u>			
Notwithstanding the issue of the tender drawings, it will remain the responsibility of the Tenderer to study all available drawings at the offices of the Principal Agent during normal working hours in order to acquaint himself with all the cost implications of the design, programming, phasing, etc.			
45	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B2.2 Provisional bills of quantities</u>			
Prime Cost Amounts, Budgetary Allowances, Provisional Amounts, etc., contained herein may be omitted or reduced at the Principal Agent's sole discretion and the Contractor shall not be entitled to claim for any loss by way of reduction or omission of any discount, or percentage relating to Prime Cost Amounts, Budgetary Allowances, Provisional Amounts, Provisional Quantities, etc., or loss of profit related thereto.			
46	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B2.3 Availability of construction documentation</u>			
47	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B2.4 Interests of agents</u>			
48	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B2.5 Priced documents</u>			
49	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B2.6 Tender submission</u>			
Notwithstanding anything contained in this clause, Tenders shall be valid for a period of 20 (Twenty) weeks from the closing date of tenders.			
50	Fixed: _____ Value related: _____ Time related: _____	Item	
Carried to Collection		R	
Section No. 2			
Bill No. 1			
Preliminaries			

			Amount
<u>B3.0 THE SITE</u>			
<u>B3.1 Defined works area</u>			
The area of the works to be occupied by the contractor, any restriction on the area and the limit of access or exit will be pointed out to the contractor by the principal agent on handing over of the site.			
Workmen employed on the site are to be restricted to the immediate area of the site and access thereto.			
The Tenderer shall make all necessary provision in all rates to take into account these requirements as no claims for extras arising from these matters will be subsequently entertained or admitted.			
51	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B3.2 Geotechnical investigation</u>			
52	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B3.3 Inspection of the site</u>			
53	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B3.4 Existing premises occupied</u>			
54	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B3.5 Previous work - dimensional accuracy</u>			
55	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B3.6 Previous work - defects</u>			
56	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B3.7 Services - known</u>			
57	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B3.8 Services - unknown</u>			
58	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B3.9 Protection of trees</u>			
59	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B3.10 Articles of value</u>			
60	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B3.11 Inspection of adjoining properties</u>			
61	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B4.0 MANAGEMENT OF CONTRACT</u>			
<u>B4.1 Management of the works</u>			
62	Fixed: _____ Value related: _____ Time related: _____	Item	
Carried to Collection		R	
Section No. 2			
Bill No. 1			
Preliminaries			

			Amount
<u>B4.2 Programme for the works</u>			
63	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B4.3 Progress meetings</u>			
64	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B4.4 Technical meetings</u>			
65	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B4.5 Labour and plant records</u>			
66	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B5.0 SAMPLES, SHOP DRAWINGS AND MANUFACTURERS' INSTRUCTIONS</u>			
<u>B5.1 Samples of materials</u>			
67	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B5.2 Workmanship samples</u>			
68	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B5.3 Shop drawings</u>			
69	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B5.4 Compliance with manufacturers instructions</u>			
70	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B6.0 TEMPORARY WORKS AND PLANT</u>			
<u>B6.1 Deposits and fees</u>			
71	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B6.2 Enclosure of the works</u>			
The contractor shall erect, maintain and remove at completion, hoardings, safety screens, barriers, access gates, covered gangways and the like as necessary for the enclosure of the works and elements thereof all for the protection of the public and others.			
72	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B6.3 Advertising</u>			
73	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B6.4 Plant, equipment, sheds and offices</u>			
74	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B6.5 Main notice board</u>			
75	Fixed: _____ Value related: _____ Time related: _____	Item	
Carried to Collection		R	
Section No. 2			
Bill No. 1			
Preliminaries			

		Amount	
	<u>B6.6 Subcontractors' notice board</u>		
76	Fixed: _____ Value related: _____ Time related: _____	Item	
	<u>B7.0 TEMPORARY SERVICES</u>		
	<u>B7.1 Location</u>		
77	Fixed: _____ Value related: _____ Time related: _____	Item	
	<u>B7.2 Water</u>		
	The contractor shall provide water for the works in accordance with: Alternative A (i.e. to be provided for by the Contractor).		
78	Fixed: _____ Value related: _____ Time related: _____	Item	
	<u>B7.3 Electricity</u>		
	The contractor shall provide electricity for the works in accordance with: Alternative A (i.e. to be provided for by the Contractor).		
79	Fixed: _____ Value related: _____ Time related: _____	Item	
	<u>B7.4 Telecommunication facilities</u>		
	The contractor shall provide telephones on site for the works in accordance with: Alternative A (i.e. to be provided for by the Contractor).		
80	Fixed: _____ Value related: _____ Time related: _____	Item	
	<u>B7.5 Ablution facilities</u>		
	The contractor shall provide toilet facilities on site for the works in accordance with: Alternative A (i.e. to be provided for by the Contractor).		
81	Fixed: _____ Value related: _____ Time related: _____	Item	
	<u>B8.0 PRIME COST AMOUNTS</u>		
	<u>B8.1 Responsibility for prime cost amounts</u>		
82	Fixed: _____ Value related: _____ Time related: _____	Item	
	<u>9.0 ATTENDANCE ON N/S SUBCONTRACTORS</u>		
	<u>B9.1 General attendance</u>		
83	Fixed: _____ Value related: _____ Time related: _____	Item	
	<u>B9.2 Special attendance</u>		
84	Fixed: _____ Value related: _____ Time related: _____	Item	
	<u>B9.3 Commissioning - fuel, water and electricity</u>		
85	Fixed: _____ Value related: _____ Time related: _____	Item	
	Carried to Collection	R	
	Section No. 2		
	Bill No. 1		
	Preliminaries		

			Amount
<u>B10.0 FINANCIAL ASPECTS</u>			
<u>B10.1 Statutory taxes, duties and levies</u>			
86	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B10.2 Payment for preliminaries</u>			
87	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B10.3 Adjustment of preliminaries</u>			
88	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B10.4 Payment certificate cash flow</u>			
89	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B11. GENERAL</u>			
<u>B11.1 Protection of the works</u>			
90	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B11.2 Protection / isolation of existing / sectionally occupied works</u>			
91	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B11.3 Security of the works</u>			
92	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B11.4 Notice before covering work</u>			
93	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>11.5 Disturbance</u>			
94	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B11.6 Environmental disturbance</u>			
95	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B11.7 Works cleaning and clearing</u>			
96	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B11.8 Vermin</u>			
97	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B11.9 Overhand work</u>			
98	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B11.10 Instruction manuals and guarantees</u>			
99	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B11.11 As built information</u>			
100	Fixed: _____ Value related: _____ Time related: _____	Item	
Carried to Collection			
Section No. 2			
Bill No. 1			
Preliminaries			

			Amount
101	<u>B11.12 Tenant installations</u>		
	Fixed: _____ Value related: _____ Time related: _____	Item	
102	<u>SECTION C: SPECIFIC PRELIMINARIES</u>		
	Section C contains specific preliminary items which apply to this contract except where N/A (Not Applicable) appears against an item.		
103	<u>C1 CONTRACT DRAWINGS</u>		
	The drawings issued with the tender documents do not comprise the complete set but serve as a guide only for tendering purposes and for indicating the scope of the work to enable the tenderer to acquaint himself with the nature and extent of the works and the manner in which they are to be executed. Should any part of the drawings not be clearly intelligible to the tenderer he shall, before submitting his tender, obtain clarification in writing from the principal agent.	Item	
104	<u>C2 GENERAL PREAMBLES</u>		
	The document "Specification of Materials and Methods to be used (PW371)" is obtainable on request from the head office and all regional offices of the Department, and shall be read in conjunction with the bills of quantities / lump sum document and be referred to for the full descriptions of work to be done and materials to be used.	Item	
104	<u>C3 PROPRIETARY BRANDED PRODUCTS</u>		
	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. 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. 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.	Item	
Carried to Collection			
Section No. 2			
Bill No. 1			
Preliminaries			

			Amount
<u>C4 CONTRACTOR'S RESPONSIBILITY</u>			
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			
105	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>C5 OVERTIME</u>			
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.			
106	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>C6 AS BUILT DRAWINGS</u>			
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.			
Three full sets of as-built drawings shall be submitted to the Principal Agent no later than fourteen days after practical completion			
107	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>C7 CONTRACT INSTRUCTIONS</u>			
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) Contract 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.			
Carried to Collection			
Section No. 2			
Bill No. 1			
Preliminaries			

			Amount
108	Fixed: _____ Value related: _____ Time related: _____ <u>C8 LABOUR RECORD</u> 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	Item	
109	F: V: T: <u>C9 PLANT RECORD</u> 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.	Item	
110	F: V: T: <u>C10 ENCROACHMENT</u> 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	Item	
111	F: V: T: <u>C11 METHOD STATEMENT</u> 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.	Item	
112	F: V: T: <u>C12 UNAUTHORISED PERSONS/WORKMEN ON PREMISES</u> 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. 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.	Item	
113	F: V: T: <u>C13 MODE OF PROCEDURE</u> 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.	Item	
Carried to Collection			
Section No. 2			
Bill No. 1			
Preliminaries			

			Amount
114	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 F: V: T: <u>C14 LOCATION OF TEMPORARY BUILDINGS AND TEMPORARY SERVICES</u> 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 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	Item	
115	F: V: T: <u>C15 OFFICE ACCOMMODATION</u> 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]	Item	
116	F: V: T: <u>C16 STORAGE FACILITIES</u> The Contractor shall provide a Container for storage of materials.	Item	
117	F: V: T: <u>C17 REMOVAL AND MAKING GOOD OF TEMPORARY WORKS, ETC, ON COMPLETION</u> 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.	Item	
118	F: V: T:	Item	
Carried to Collection			
Section No. 2			
Bill No. 1			
Preliminaries			

SECTION NO. 2
MNTONINTSHI SENIOR PRIMARY SCHOOL
BILL NO. 1
PRELIMINARIES
COLLECTION

Amount

Page No

Brought Forward from Page

49
50
51
52
53
54
55
56
57
58
59
60
61
62
63

Carried To Section Summary

R

Section No. 2
Bill No. 1
Preliminaries

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 2</u> <u>MNTONINTSHI SENIOR PRIMARY SCHOOL</u> <u>BILL NO. 2</u> <u>HEALTH AND SAFETY</u> <u>MODEL PREAMBLES</u> The tenderer is referred to the "Model Preambles for Trades 2008" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates. <u>SUPPLEMENTARY PREAMBLES</u> Supplementary preambles and/or specifications are incorporated in these bills of quantities to satisfy the requirements of this project. Such supplementary preambles and/or specifications shall take precedence over the provisions of the General Preambles. The contractor's prices for all items throughout these bills of quantities shall take account of and include where applicable for all of the obligations, requirements and specifications given in the General Preambles and in any supplementary preambles and/or specifications. Prior to pricing the principal contractor must familiarize him/herself with the Occupational Health and Safety Act No. 85 Of 1993, Construction Regulations 2014, other relevant Regulations and Standards as well as project specific Health & Safety specifications. <u>OCCUPATIONAL HEALTH AND SAFETY</u> <u>General</u>				
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		
4	Principal Contractor's time related obligations in respect of the OHS Act and Construction Regulations for the entire construction period	Item		
5	Provision of full time Health and Safety Officer for the entire construction period	Item		
6	Induction training of all personnel	Item		
7	Provision of first aid boxes	Item		
Carried to Collection			R	
Section No. 2				
Bill No. 2				
Health And Safety				

	Unit	Quantity	Rate	Amount
8 SANS approved weld mesh type temporary barrier fencing 1,8m high covered with a net fixed to and including 100mm diameter gum poles set securely min 300mm deep in ground at max 3m spacing including excavation, backfilling, etc	m	150		
9 Extra over mesh fence for pedestrian gate size 1.8 x 1,8m high	No	1		
<u>Provision for Personal Protective Equipment and</u>				
10 Reflective vests.	Item			
11 Hard hats	Item			
12 Protective footwear	Item			
13 Ear plugs	Item			
14 Dust masks	Item			
<u>Medical certificates and medical surveillance</u>				
15 Initial (baseline) medical examinations for all personnel	Item			
16 Exit Examinations for all personnel	Item			
<u>Noise Monitoring</u>				
17 Establishment of noise zones	Item			
18 Audiograms	Item			
<u>Covid-19 Compliance Measures</u>				
19 The Contractor is required to price for Covid 19 compliance and the pricing thereof shall be deemed to include all the mandatory requirements	Item			
Carried to Collection			R	
Section No. 2				
Bill No. 2				
Health And Safety				

Amount

SECTION NO. 2

MNTONINTSHI SENIOR PRIMARY SCHOOL

BILL NO. 2

HEALTH AND SAFETY

COLLECTION

Page No

Brought Forward from Page

65

66

Carried To Section Summary

R

Section No. 2

Bill No. 2

Health And Safety

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 2</u> <u>MNTONINTSHI SENIOR PRIMARY SCHOOL</u> <u>BILL NO. 3</u> <u>RENOVATIONS</u> <u>PREAMBLES</u> The Tenderer is referred to the relevant Clause in the separate document Model Preambles for Trades (1999 Edition) published by the Association of South African Quantity Surveyors, the document "PW 371 - A Edition 2.1 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (Edition July 2014) and the Supplementary Preambles which are incorporated in these Bills of Quantities <u>SUPPLEMENTARY PREAMBLES</u> <u>View site</u> Before submitting his tender the tenderer shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials contained in the buildings or portions of the buildings to be demolished. No claim for any variations of the contract sum in respect of the nature and extent of the work or of inferior or damaged materials will be entertained <u>General</u> Water supply pipes and other piping in ground that may be encountered and found necessary to disconnect or cut, shall be effectually stopped off or grubbed up and removed, and any new connections that may be necessary shall be made with proper fittings to the satisfaction of the principal agent <u>Taking out and removing piping, sanitary fittings, etc including disconnecting piping from fittings and making good floor and wall finishes (making good tiling and paintwork elsewhere)</u>				
1	No	1		
<u>Making good leaking water pipe fittings by disassembling, cleanning, applying appropriate seal and reassembling</u>				
2	No	1		
Carried to Collection			R	
Section No. 2				
Bill No. 3				
Renovations				

	Unit	Quantity	Rate	Amount
<u>MAKING GOOD OF EXISTING WORK</u>				
<u>Making good VIP pedestals</u>				
3	Secure loosely fitted pit pedestals by bolting down securely or applying an cement/ epoxy based industrial adhesive	No	13	
<u>BATHROOM FITTINGS</u>				
<u>Stainless steel bathroom fittings</u>				
4	Free standing She Bin: manufactured from Grade 304 1,2mm Stainless Steel, satin finished with surface treatment. The container to have an approximately 20 litre capacity	No	7	
<u>TRAPS ETC</u>				
<u>Traps</u>				
5	40mm Chromium plated bottle trap	No	1	
<u>TAP STANDS</u>				
<u>Two 20mm brass bib-taps in tap stands formed of 110mm diameter PVC pipes encased in concrete and cast into the ground complete with connecting to existing tanks with 12m long 20mm HDPE pipes in and including trenches backfilled</u>				
6	700mm High tap stands complete	No	1	
<u>SANITARY PLUMBING</u>				
<u>PVC-U soil and vent pipes</u>				
7	110mm Pipes	m	4	
<u>Extra over PVC-U soil and vent pipes for fittings</u>				
8	Install new brackets/ holder bats anchored to brick walls around existing 110mm diameter vent pipes	No	16	
9	110mm Air vent whirlybird	No	3	
Carried to Collection				R
Section No. 2				
Bill No. 3				
Renovations				

Amount

SECTION NO. 2

MNTONINTSHI SENIOR PRIMARY SCHOOL

BILL NO. 3

RENOVATIONS

COLLECTION

Page No

Brought Forward from Page

68

69

Carried To Section Summary

R

Section No. 2

Bill No. 3

Renovations

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 2</u> <u>MNTONINTSHI SENIOR PRIMARY SCHOOL</u> <u>BILL NO. 4</u> <u>GARDEN AND BALUSTRADE WALLS</u> <u>PREAMBLES</u> The Tenderer is referred to the relevant Clause in the separate document Model Preambles for Trades (1999 Edition) published by the Association of South African Quantity Surveyors, the document "PW 371 - A Edition 2.1 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (Edition July 2014) and the Supplementary Preambles which are incorporated in these Bills of Quantities <u>EARTHWORKS (PROVISIONAL)</u> <u>Excavate in pickable material not exceeding 2m deep below natural or reduced ground level:</u>				
1	Surface trenches.	m ³	54	
	<u>Extra over excavation in pickable material for column bases, trenches, lift pits, sumps, etc for excavation:</u>			
2	Soft rock.	m ³	5	
3	Hard rock.	m ³	1	
4	Allow for risk of collapse to sides of excavations to column bases, trenches, etc. from ground level to not exceeding 1,5m deep.	m ²	216	
5	Allow for keeping excavations entirely free from water or mud.	Item		
	<u>Earth filling obtained from the excavations and/or prescribed stock piles on site, compacted to 98% Mod AASHTO density</u>			
6	Backfilling to trenches, holes, etc.	m ³	10	
7	Scarify in-situ material for a depth of 150mm and compact to obtain 98% modified AASHTO dry density.	m ²	90	
	<u>Earth filling supplied by the contractor, compacted to 98% Mod AASHTO density</u>			
8	Under floors, steps, pavings, etc.	m ³	10	
Carried to Collection			R	
Section No. 2				
Bill No. 4				
Garden And Balustrade Walls				

	Unit	Quantity	Rate	Amount
<u>CONCRETE, FORMWORK & REINFORCEMENT</u>				
<u>25MPa Mass concrete in:</u>				
Wall footings cast against excavated surfaces.	m³	18		
<u>Expansion Joints:</u>				
12mm "Flexcell" or other approved cane fibre filler board in expansion joint between edge of concrete paving and walls in narrow widths not exceeding 150mm wide including tacking to face of wall.	m	180		
<u>TEST CUBES</u>				
<u>Test Cubes</u>				
Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	4		
<u>MASONRY</u>				
<u>Brickwork of NFX bricks (14 MPa nominal compressive strength) in class II mortar</u>				
One brick wall.	m²	144		
Leave or form 115 x 75mm high weep hole through one brick wall.	No	16		
<u>2,5mm Galvanised brick reinforcement</u>				
150mm Wide reinforcement built in horizontally	m	540		
<u>Facings Externally:</u>				
<u>"Rustgold FBS/Qunu Travertine" clay face brick or equal approved, size 222 x 106 x 73mm, bedded and jointed in Class II mortar and pointed with recessed vertical and recessed horizontal joints, suitable for exposure zones 1-2 (Cement to be 42.5N all-purpose cement):</u>				
Extra over ordinary brickwork for facing in stretcher bond and pointing as described.	m²	144		
Brick on edge coping in header course to top of one brick wall bedded and jointed in cement mortar and pointed on top and both sides as described.	m	180		
<u>PAINTING</u>				
<u>Clean down with Spirits of Salts solution and apply two coats silicone-based brick dressing on:</u>				
Clinker brick facings (Externally).	m²	144		
Carried to Collection			R	
Section No. 2				
Bill No. 4				
Garden And Balustrade Walls				

Amount

SECTION NO. 2

MNTONINTSHI SENIOR PRIMARY SCHOOL

BILL NO. 4

GARDEN AND BALUSTRADE WALLS

COLLECTION

Page No

Brought Forward from Page

71

72

Carried To Section Summary

Section No. 2

Bill No. 4

Garden And Balustrade Walls

R

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 2</u> <u>MNTONINTSHI SENIOR PRIMARY SCHOOL</u> <u>BILL NO. 5</u> <u>V – DRAINS</u> <u>PREAMBLES</u> The Tenderer is referred to the relevant Clause in the separate document Model Preambles for Trades (1999 Edition) published by the Association of South African Quantity Surveyors, the document "PW 371 - A Edition 2.1 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (Edition July 2014) and the Supplementary Preambles which are incorporated in these Bills of Quantities <u>SUPPLEMENTARY PREAMBLES</u> <u>Nature of ground:</u> The nature of the ground is assumed to be loose sandy material, therefore 'earth', but possibly interspersed with 'soft rock' or 'hard rock' <u>Carting away of excavated material:</u> Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site <u>Filling:</u> Notwithstanding the reference to prescribed multiple handling in clause 1 page 6 of the Standard System of Measuring Building Work, prices for filling and backfilling shall include for all selection and any necessary multiple handling of material <u>Testing:</u> Prices for filling are to include for all necessary density tests in accordance with SABS 1200D <u>Cost of tests:</u> The costs of making, storing and testing of concrete test cubes as required under clause 7 Tests of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the principal agent. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval of the principal agent. (Test cubes are measured separately)				
Carried to Collection			R	
Section No. 2				
Bill No. 5				
V – Drains				

		Unit	Quantity	Rate	Amount
	<u>EXCAVATION ETC</u>				
	<u>Excavation in earth not exceeding 2m deep</u>				
1	Reduced levels under pavings	m ³	26		
	<u>Extra over all excavations for carting away</u>				
2	Surplus material from excavations and/or stock piles on site, to a dumping site to be located by the contractor	m ³	26		
	<u>FILLING ETC OTHER THAN BULK</u>				
	<u>Earth filling (G7 material) supplied by the contractor, compacted to 95% Mod AASHTO density</u>				
3	Under floors, steps, pavings, etc.	m ³	17		
	<u>Coarse river sand filling supplied by the contractor</u>				
4	Under pavings etc.	m ³	6		
	<u>Compaction of surfaces</u>				
5	Compaction of ground surface under floors etc. including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 98% Mod AASHTO density	m ²	112		
	<u>Prescribed density tests on filling</u>				
6	Modified AASHTO Density test	No	6		
	<u>DAMPPROOFING OF WALLS AND FLOORS</u>				
	<u>One layer 250 micron green polyethylene waterproof sheeting (SANS 952-1985 type C) sealed at laps with PVC self-adhesive tape</u>				
7	Under surface pavings etc.	m ²	112		
	<u>STORMWATER DRAINAGE (PROVISIONAL)</u>				
	<u>Precast or in-situ concrete (25 MPa) open stormwater channels having V-shaped waterway formed in top, finished smooth on all exposed surfaces in (3:1) untinted cement plaster trowelled smooth and with angles rounded, cast in maximum 3000mm lengths, and reinforced as necessary for handling if precast, including laying to falls, bedding and pointing in (3:1) cement mortar:</u>				
8	Channel size 700 x 230mm overall with 700 x 150mm deep v-channel waterway.	m	160		
9	Extra for angle.	No	11		
10	Extra for fair end.	No	4		
	Carried to Collection			R	
	Section No. 2				
	Bill No. 5				
	V – Drains				

		Unit	Quantity	Rate	Amount
11	Extra for 1000mm long x 2700mm wide outlet with 300mm deep x 300mm wide thickened edge and thirteen number 150 x 150 x 150mm concrete block energy dissipaters set into in-situ concrete draining off to and including a 2700 x 600 x 100mm thick bed formed of 19mm diameter stones	No	4		
	<u>TEST CUBES</u>				
	<u>Test Cubes</u>				
12	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	4		
	<u>REINFORCEMENT (CPAP WORK GROUP NO. 114)</u>				
	<u>Fabric reinforcement</u>				
13	Type 617 fabric reinforcement in concrete dish drains etc	m ²	112		
Carried to Collection					R
Section No. 2					
Bill No. 5					
V – Drains					

Amount

SECTION NO. 2

MNTONINTSHI SENIOR PRIMARY SCHOOL

BILL NO. 5

V – DRAINS

COLLECTION

Page No

Brought Forward from Page

74

75

76

Carried To Section Summary

R

Section No. 2

Bill No. 5

V – Drains

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 2</u>				
<u>MNTONINTSHI SENIOR PRIMARY SCHOOL</u>				
<u>BILL NO. 6</u>				
<u>CONCRETE APRONS, WALKWAYS & RAMPS</u>				
<u>PREAMBLES</u>				
The Tenderer is referred to the relevant Clause in the separate document Model Preambles for Trades (1999 Edition) published by the Association of South African Quantity Surveyors, the document "PW 371 - A Edition 2.1 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (Edition July 2014) and the Supplementary Preambles which are incorporated in these Bills of Quantities				
<u>EARTHWORKS (PROVISIONAL)</u>				
<u>Excavate in pickable material not exceeding 2m deep below natural or reduced ground level:</u>				
1 Reduce levels under pavings.	m ³	5		
<u>Extra over excavation in pickable material for column bases, trenches, lift pits, sumps, etc for excavation:</u>				
2 Soft rock.	m ³	1		
3 Hard rock.	m ³	1		
<u>Extra over excavation in pickable material for column bases, trenches, lift pits, sumps, etc for breaking up:</u>				
4 Unreinforced concrete	m ³	2		
5 Allow for risk of collapse to sides of excavations to column bases, trenches, etc. from ground level to not exceeding 1,5m deep.	m ²	6		
6 Allow for keeping excavations entirely free from water or mud.	Item			
<u>Earth filling (G7 material) supplied by the contractor, compacted to 95% Mod AASHTO density</u>				
7 Under floors, steps, pavings, etc.	m ³	4		
<u>CONCRETE, FORMWORK & REINFORCEMENT</u>				
<u>25MPa Mass concrete in:</u>				
8 Ramps	m ³	1		
9 Pavings.	m ³	2		
Carried to Collection			R	
Section No. 2				
Bill No. 6				
Concrete Aprons, Walkways & Ramps				

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Amount

SECTION NO. 2

MNTONINTSHI SENIOR PRIMARY SCHOOL

BILL NO. 6

CONCRETE APRONS, WALKWAYS & RAMPS

COLLECTION

Page No

Brought Forward from Page

78

79

Carried To Section Summary

Section No. 2

Bill No. 6

Concrete Aprons, Walkways & Ramps

R

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 2</u>				
<u>MNTONINTSHI SENIOR PRIMARY SCHOOL</u>				
<u>BILL NO. 7</u>				
<u>GRADE R FENCING</u>				
<u>PREAMBLES</u>				
The Tenderer is referred to the relevant Clause in the separate document Model Preambles for Trades (1999 Edition) published by the Association of South African Quantity Surveyors, the document "PW 371 - A Edition 2.1 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (Edition July 2014) and the Supplementary Preambles which are incorporated in these Bills of Quantities				
<u>THE FOLLOWING IN SECURITY FENCING</u>				
<u>Site clearance</u>				
1	Allow for clearing site for a width of 1m where fencing runs are to be erected including removing trees, shrubs, etc not exceeding 200mm girth, grubbing up roots and roughly levelling	m	80	
<u>Straining wires, fencing and razor wire</u>				
2	Four strands of 4mm Class'A' galvanised straining wires secured to fencing posts with doubled 2 mm galvanised wire inserted through hole in post and turned a minimum of four turns around straining wire and attached to straining frame at one end with not less than four turns at the other end to straining bolts (elsewhere measured).	m	80	
3	Fencing formed of 50 x 50 x 2.0mm diameter galvanised fencing 1 800mm high and fixed to each straining wire with 8 guage binding wire at 500mm centres including staking to ground with and including Y10 pegs at 900mm c/c between posts (straining wires elsewhere measured).	m	80	
<u>Posts</u>				
4	75mm Diameter galvanised steel intermediate fencing post, 2700mm fitted with a pressed steel mushroom cap, post fitted with 150 x 150 x 5mm base plate at bottom and set into the ground.	No	16	
5	150mm Ditto as standard post but embedded in 600 x 600 x 700mm high mass concrete (15MPa) base	No	5	
Carried to Collection				R
Section No. 2				
Bill No. 7				
Grade R Fencing				

81

		Unit	Quantity	Rate	Amount
6	150mm Ditto as straining or corner posts, but fitted with two 75mm diameter galvanised steel raking stays and with top ends flattened and bolted through post with post embedded in 600 x 600 x 700mm high mass concrete (15MPa) base and stays embedded in 700 x 700 x 450mm high mass concrete (15MPa) base	No	4		
7	150mm Ditto as end/ gate post, but fitted with one 75mm diameter galvanised steel stay set raking and with top end flattened and bolted through post, with post embedded in 600 x 600 x 700mm mass concrete (15MPa) base and stay embedded in 700 x 700 x 450mm high mass concrete (15MPa) base with all base tops set raking (sloping)	No	5		
	<u>Gates</u>				
8	Security fence single gate, size 900 mm wide x 1800 mm high, formed of 50 mm diameter nominal bore x 2,2 mm wall thickness hot dip galvanised mild steel pipe framing all round with mitred and welded angles and middle rail, with 20mm diameter x 300mm long locking bolt welded on and a pair of heavy duty gate hooks for a 16mm band hinge pin welded on to gate and including a pair of 16mm band hinge pins bolted to gate posts	No	1		
9	Security fence single gate, size 1500 mm wide x 1800 mm high, formed of 50 mm diameter nominal bore x 2,2 mm wall thickness hot dip galvanised mild steel pipe framing all round with mitred and welded angles and middle rail, hung on pair of socketted and pinned hinges with pin 18mm in diameter and bolted to brick wall and with 20mm diameter x 300mm long locking bolt welded on.	No	1		
10	Double gate, size 6 000 mm wide x 1 800 mm high overall in two leaves, formed of 50 mm diameter nominal bore x 2.5 mm wall thickness hot dip galvanised mild steel pipe framing all round with 25 mm diameter nominal bore x 2.0 mm wall thickness diagonal and centre braces, scribed and welded into angles and at cross intersections, gate filled with 50 x 50 x 2,0mm galvanised wire diamond mesh, with two 50 mm diameter nominal bore x 3,25 mm wall thickness security posts each 600 mm long with one end welded to top rail of gate and closure plate to other end, each leaf fitted with two 25 mm diameter x 300 mm long eyebolt hinges and stops including all holes, etc., welded or bolted to adjoining galvanised gatepost with and including 500 mm long approved chain spot welded to gate	No	1		
	Carried to Collection				
	Section No. 2				
	Bill No. 7				
	Grade R Fencing				
	82				

	Unit	Quantity	Rate	Amount
<u>Locks</u> 11 50mm "Viro" or other equally approved padlocks for external use.	No	3		
Carried to Collection			R	
Section No. 2 Bill No. 7 Grade R Fencing				

83

Amount

SECTION NO. 2

MNTONINTSHI SENIOR PRIMARY SCHOOL

BILL NO. 7

GRADE R FENCING

COLLECTION

Page No

Brought Forward from Page

81

82

83

Carried To Section Summary

R

Section No. 2

Bill No. 7

Grade R Fencing

Amount

SECTION NO. 2

MNTONINTSHI SENIOR PRIMARY SCHOOL

BILL NO. 8

PROVISIONAL SUMS

PROVISIONAL SUMS

Supplementary Preambles

Tenderers are advised that no claim in respect of loss of profit or Preliminary charges based on the omission of these amounts will be considered and the said amounts will be omitted strictly without any financial compensation payable to the Contractor.

Provisional sums and Budgetary allowances contained herein may be omitted or reduced at the Employer's discretion and the Contractor shall not be entitled to claim for any loss by way of reductions or omission of any discount, or percentage relating to Provisional amounts and Budgetary sums or any loss of profit related thereto.

BUDGETARY ALLOWANCES

Sundry building work

- 1 Provide the sum of R22 500.00 for the employment of a Community Liaison Officer to be employed by the Main Contractor and be paid an allowance of R7 500.00 a month for the duration (3 months)

Item 22 500 00

- 2 Profit

Item

- 3 Attendance

Item

- 4 Provide the sum of R105 000. 00 for the hire, maintenance and servicing of temporary toilets for educators and learners during the entire constructions period

Item 105 000 00

- 5 Profit

Item

- 6 Attendance

Item

Contingencies

- 7 Allow the Amount of R34 000.00 (Thirty Four Thousand Rands) for contingencies, to be used by the Architect in terms of Clause 17 of the Principal Building Agreement.

Item 34 000 00

Carried To Section Summary

R

Section No. 2

Bill No. 8

Provisional Sums

Amount

SECTION NO. 2
MNTONINTSHI SENIOR PRIMARY SCHOOL
SECTION SUMMARY

Bill No.		Page
1	PRELIMINARIES	64
2	HEALTH AND SAFETY	67
3	RENOVATIONS	70
4	GARDEN AND BALUSTRADE WALLS	73
5	V – DRAINS	77
6	CONCRETE APRONS, WALKWAYS & RAMPS	80
7	GRADE R FENCING	84
8	PROVISIONAL SUMS	85

Section No. 2
SECTION SUMMARY

Carried to Final Summary

R

SECTION NO. 3

NTSHOZWENI SENIOR PRIMARY SCHOOL

Amount

SECTION NO. 3

NTSHOZWENI SENIOR PRIMARY SCHOOL

BILL NO. 1

PRELIMINARIES

BUILDING AGREEMENT AND PRELIMINARIES

1. The Principal Building Agreement shall be the JBCC Series Edition 4.1, March 2005 as recommended by the Joint Building Contracts Committee and as amended by this Tender Enquiry.
2. The Preliminaries shall be JBCC Series 2000, May 2005 for use with the Principal Building Agreement as recommended by the joint Building Contracts Committee and as amended by this Tender Enquiry shall be deemed to be incorporated herein.
3. The tenderor is deemed to have referred to the abovementioned documents for the full intent and meaning of each clause. The clauses in the abovementioned documents are hereinafter referred to by clause number and heading only.
4. Where standard clauses or alternatives are not entirely applicable to this contract, such modifications, corrections or additions as are necessary, are given as far as possible under each relevant clause heading. Additional Preliminary clauses are contained in Section C hereof.
5. No claim whatsoever shall be entertained in respect of errors or omissions in pricing due to brevity of descriptions of items which are fully described when read in conjunction with the relevant clauses of the said Principal Building Agreement, Preliminaries and Preambles.
6. The Tenderers shall allow opposite each of the clauses whatever costs and charges he may consider necessary for the carrying out, complying with and due observance of the provisions, conditions and requirements set out herein. Only priced items will be considered in respect of any adjustment of this Section. Any items left unpriced will be understood to be provided free of charge and no claim for any extras arising out of the Tenderer's omission to price any item will be entertained.
7. Where modifications or amendments as described are made, such modifications and/or amendments shall supercede any conflicting provisions in the relevant clauses of the Standard Preliminaries or the Principal Building Agreement and the Tenderer shall make due allowance for whatever costs and charges he may consider necessary for the carrying out and observance of the provisions of the clauses as modified and/or amended.
8. Where any item is not relevant to this specific contract, such item is marked N/A.
9. If Alternative A as set out in clause B10.3 hereinafter is to be used for the adjustment of the preliminaries, each item priced is to be allocated to one or more of the three categories by insertion of "F", "V", "T" as the case may be against the price in the "rate" column immediately preceding the "amount" column, where "F" denotes a fixed amount (amount not to be varied), "V" denotes an amount variable in proportion to value, and "T" denotes an amount proportionate to time.

Carried to Collection

R

Section No. 3

Bill No. 1

Preliminaries

			Amount
<u>SECTION A: JBCC PRINCIPAL BUILDING AGREEMENT</u>			
<u>DEFINITIONS</u>			
<u>A1 DEFINITIONS AND INTERPRETATION</u>			
<u>Clause 1.0:</u>			
1	Fixed:_____ Value related:_____ Time related:_____0	Item	
<u>OBJECTIVE AND PREPARATION</u>			
<u>A2 OFFER, ACCEPTANCE AND PERFORMANCE</u>			
<u>Clause 2.0</u>			
2	Fixed:_____ Value related:_____ Time related:_____	Item	
<u>A3 DOCUMENTS</u>			
<u>Clause 3.0</u>			
Clause 3.1 is deleted and substituted with: 'This tender is for a Government Contract. No Payment Guarantee will be provided.'			
Clause 3.3 is deleted and substituted with:			
The principal agent shall complete the schedule and arrange for formal signing of the agreement once the priced bill of quantities/lump sum document, security, insurances and waiver of lien, where acceptable, have been provided and effected'			
3	Fixed:_____ Value related:_____ Time related:_____	Item	
<u>A4 DESIGN RESPONSIBILITY</u>			
<u>Clause 4.0</u>			
4	Fixed:_____ Value related:_____ Time related:_____	Item	
<u>A5 EMPLOYERS AGENTS</u>			
<u>Clause 5.0</u>			
5	Fixed:_____ Value related:_____ Time related:_____	Item	
<u>A6 SITE REPRESENTATIVE</u>			
<u>Clause 6.0</u>			
6	Fixed:_____ Value related:_____ Time related:_____	Item	
<u>A7 COMPLIANCE WITH REGULATIONS</u>			
7	Fixed:_____ Value related:_____ Time related:_____	Item	
<u>Clause 7.0</u>			
8	Fixed:_____ Value related:_____ Time related:_____	Item	
<u>A8 WORKS RISK</u>			
<u>Clause 8.0</u>			
9	Fixed:_____ Value related:_____ Time related:_____	Item	
Carried to Collection		R	
Section No. 3			
Bill No. 1			
Preliminaries			

			Amount
<u>A9 INDEMNITIES</u>			
<u>Clause 9.0</u>			
Clause 9.1.1 is deleted and substituted with:			
Claims from other parties consequent upon death of bodily injury or illness of any person or physical loss or damage to any property, other than the works, arising out or due to the execution of the works or occupation of the site by the contractor or his sub contractors'.			
10	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A10 WORKS INSURANCES</u>			
<u>Clause 10.0</u>			
11	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A11 LIABILITY INSURANCES</u>			
<u>Clause 11.0</u>			
12	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A12 EFFECTING INSURANCES</u>			
<u>Clause 12.0</u>			
13	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A13. No clause</u>			
14	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A14 SECURITY</u>			
<u>Clause 14.0</u>			
15	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>EXECUTION</u>			
<u>A15 PREPERATION FOR AND EXECUTION OF THE WORKS</u>			
<u>Clause 15.0</u>			
16	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A16 ACCESS TO THE WORKS</u>			
<u>Clause 16.0</u>			
17	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A17 CONTRACT INSTRUCTIONS</u>			
<u>Clause 17.0</u>			
18	Fixed: _____ Value related: _____ Time related: _____	Item	
Carried to Collection		R	
Section No. 3			
Bill No. 1			
Preliminaries			

			Amount
<u>A18 SETTING OUT OF THE WORKS</u>			
<u>Clause 18.0</u>			
The contractor shall notify the principal agent if any encroachments of adjoining foundations, buildings, structures, pavements, boundaries, etc., exist in order that the necessary arrangements may be made for the rectification of any such encroachments. Should incorrect information be given to the contractor in terms of 18.1 and 18.2, which causes the incorrect setting out of the works, the contractor shall not be liable for such incorrect setting out			
19	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A19 ASSIGNMENT</u>			
<u>Clause 19.0</u>			
20	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A20 NOMINATED SUB-CONTRACTORS</u>			
<u>Clause 20.0</u>			
21	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A21 SELECTED SUBCONTRACTORS</u>			
<u>Clause 21.0</u>			
22	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A22 EMPLOYER'S DIRECT CONTRACTORS</u>			
<u>Clause 22.0</u>			
23	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A23 CONTRACTOR'S DOMESTIC SUBCONTRACTORS</u>			
<u>Clause 23.0</u>			
24	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>COMPLETION</u>			
<u>A24 PRACTICAL COMPLETION</u>			
<u>Clause 24.0</u>			
25	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A25 WORK'S COMPLETION</u>			
<u>Clause 25.0</u>			
26	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A26 FINAL COMPLETION</u>			
<u>Clause 26.0</u>			
27	Fixed: _____ Value related: _____ Time related: _____	Item	
Carried to Collection		R	
Section No. 3			
Bill No. 1			
Preliminaries			

			Amount
<u>A27 LATENT DEFECTS LIABILITY PERIOD</u>			
<u>Clause 27.0</u>			
Clause 27.0 is amended by the addition of the following clauses:			
"27.3 Any water leakage into the building, whether in the roof, external wall or other element of the building susceptible to water leakage shall, unless proven to be a design defect, or as a result of obvious storm damage, be classified as a latent defect in terms of clause 1.0 Definitions and Interpretations".			
"27.4 The Contractor shall attend to defects during the Defects Liability Period on a progressive basis, to the satisfaction of the Principal Agent and will not be permitted to wait until the end of the Defect Liability Period or until the amount of defects accumulates in order to attend to a comprehensive list of defects"			
28	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A28 SECTIONAL COMPLETION</u>			
<u>Clause 28.0</u>			
29	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A29 REVISION OF DATE FOR PRACTICAL COMPLETION</u>			
<u>Clause 29.0</u>			
30	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A30 PENALTY FOR NON-COMPLETION</u>			
<u>Clause 30.0</u>			
31	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>PAYMENT</u>			
<u>A31 INTERIM PAYMENT TO THE CONTRACTOR</u>			
<u>Clause 31.0</u>			
The inclusion of materials and goods stored off site in the amount authorised for payment in terms of clause 31.3 shall be at the sole discretion of the principal agent and such inclusion shall only be considered upon the provision, by the contractor, of an approved guarantee issued by a registered commercial bank.			
Where prices are submitted by the contractor or nominated/selected sub-contractor during the progress of the works in respect of contract instructions or in regard to a claim under the terms of the contract and notwithstanding the fact that such prices may be used in an interim payment certificate, there is to be no presumption of acceptance. Should the principal agent wish to accept any such prices prior to the issue of the final certificate, it will be in writing.			
32	Fixed: _____ Value related: _____ Time related: _____	Item	
Carried to Collection			
Section No. 3			
Bill No. 1			
Preliminaries			

			Amount
<u>A32 ADJUSTMENT TO THE CONTRACT VALUE</u>			
<u>Clause 32.0</u>			
33	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A33 RECOVERY OF EXPENSE AND LOSS</u>			
<u>Clause 33.0</u>			
34	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A34 FINAL ACCOUNT AND FINAL PAYMENT</u>			
<u>Clause 34.0</u>			
35	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A35 PAYMENT TO OTHER PARTIES</u>			
<u>Clause 35.0</u>			
36	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>CANCELLATION</u>			
<u>A36 CANCELLATION BY EMPLOYER - CONTRACTOR'S DEFAULT</u>			
<u>Clause 36.0</u>			
37	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A37 CANCELLATION BY EMPLOYER - LOSS AND DAMAGE</u>			
<u>Clause 37.0</u>			
38	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A38 CANCELLATION BY CONTRACTOR - EMPLOYER'S DEFAULT</u>			
<u>Clause 38.0</u>			
39	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A39 CANCELLATION - CESSATION OF THE WORKS</u>			
<u>Clause 39.0</u>			
40	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>DISPUTE</u>			
<u>A40 DISPUTE SETTLEMENT</u>			
<u>Clause 40.0</u>			
41	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>SUBSTITUTE PROVISIONS</u>			
<u>A41 STATE CLAUSES</u>			
<u>Clause 41.0</u>			
42	Fixed: _____ Value related: _____ Time related: _____	Item	
Carried to Collection		R	
Section No. 3			
Bill No. 1			
Preliminaries			

			Amount
<u>CONTRACT VARIABLES</u>			
<u>THE SCHEDULE (C1.2 CONTRACT DATA)</u>			
<u>A42 PRE-TENDER INFORMATION</u>			
<u>Clause 42.0</u>			
Tenderers are referred to the document C1.2 Contract Data for variables pertaining to this contract.			
43	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>SECTION B: JBCC PRELIMINARIES</u>			
<u>B1.0 DEFINITIONS AND INTERPRETATION</u>			
<u>B1.1 Definitions and interpretation</u>			
44	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B2.0 DOCUMENTS</u>			
<u>B2.1 Checking of documents</u>			
Notwithstanding the issue of the tender drawings, it will remain the responsibility of the Tenderer to study all available drawings at the offices of the Principal Agent during normal working hours in order to acquaint himself with all the cost implications of the design, programming, phasing, etc.			
45	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B2.2 Provisional bills of quantities</u>			
Prime Cost Amounts, Budgetary Allowances, Provisional Amounts, etc., contained herein may be omitted or reduced at the Principal Agent's sole discretion and the Contractor shall not be entitled to claim for any loss by way of reduction or omission of any discount, or percentage relating to Prime Cost Amounts, Budgetary Allowances, Provisional Amounts, Provisional Quantities, etc., or loss of profit related thereto.			
46	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B2.3 Availability of construction documentation</u>			
47	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B2.4 Interests of agents</u>			
48	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B2.5 Priced documents</u>			
49	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B2.6 Tender submission</u>			
Notwithstanding anything contained in this clause, Tenders shall be valid for a period of 20 (Twenty) weeks from the closing date of tenders.			
50	Fixed: _____ Value related: _____ Time related: _____	Item	
Carried to Collection		R	
Section No. 3			
Bill No. 1			
Preliminaries			

			Amount
<u>B3.0 THE SITE</u>			
<u>B3.1 Defined works area</u>			
The area of the works to be occupied by the contractor, any restriction on the area and the limit of access or exit will be pointed out to the contractor by the principal agent on handing over of the site.			
Workmen employed on the site are to be restricted to the immediate area of the site and access thereto.			
The Tenderer shall make all necessary provision in all rates to take into account these requirements as no claims for extras arising from these matters will be subsequently entertained or admitted.			
51	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B3.2 Geotechnical investigation</u>			
52	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B3.3 Inspection of the site</u>			
53	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B3.4 Existing premises occupied</u>			
54	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B3.5 Previous work - dimensional accuracy</u>			
55	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B3.6 Previous work - defects</u>			
56	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B3.7 Services - known</u>			
57	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B3.8 Services - unknown</u>			
58	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B3.9 Protection of trees</u>			
59	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B3.10 Articles of value</u>			
60	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B3.11 Inspection of adjoining properties</u>			
61	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B4.0 MANAGEMENT OF CONTRACT</u>			
<u>B4.1 Management of the works</u>			
62	Fixed: _____ Value related: _____ Time related: _____	Item	
Carried to Collection		R	
Section No. 3			
Bill No. 1			
Preliminaries			

			Amount
<u>B4.2 Programme for the works</u>			
63	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B4.3 Progress meetings</u>			
64	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B4.4 Technical meetings</u>			
65	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B4.5 Labour and plant records</u>			
66	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B5.0 SAMPLES, SHOP DRAWINGS AND MANUFACTURERS' INSTRUCTIONS</u>			
<u>B5.1 Samples of materials</u>			
67	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B5.2 Workmanship samples</u>			
68	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B5.3 Shop drawings</u>			
69	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B5.4 Compliance with manufacturers instructions</u>			
70	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B6.0 TEMPORARY WORKS AND PLANT</u>			
<u>B6.1 Deposits and fees</u>			
71	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B6.2 Enclosure of the works</u>			
The contractor shall erect, maintain and remove at completion, hoardings, safety screens, barriers, access gates, covered gangways and the like as necessary for the enclosure of the works and elements thereof all for the protection of the public and others.			
72	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B6.3 Advertising</u>			
73	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B6.4 Plant, equipment, sheds and offices</u>			
74	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B6.5 Main notice board</u>			
75	Fixed: _____ Value related: _____ Time related: _____	Item	
Carried to Collection		R	
Section No. 3			
Bill No. 1			
Preliminaries			

			Amount
	<u>B6.6 Subcontractors' notice board</u>		
76	Fixed: _____ Value related: _____ Time related: _____	Item	
	<u>B7.0 TEMPORARY SERVICES</u>		
	<u>B7.1 Location</u>		
77	Fixed: _____ Value related: _____ Time related: _____	Item	
	<u>B7.2 Water</u>		
	The contractor shall provide water for the works in accordance with: Alternative A (i.e. to be provided for by the Contractor).		
78	Fixed: _____ Value related: _____ Time related: _____	Item	
	<u>B7.3 Electricity</u>		
	The contractor shall provide electricity for the works in accordance with: Alternative A (i.e. to be provided for by the Contractor).		
79	Fixed: _____ Value related: _____ Time related: _____	Item	
	<u>B7.4 Telecommunication facilities</u>		
	The contractor shall provide telephones on site for the works in accordance with: Alternative A (i.e. to be provided for by the Contractor).		
80	Fixed: _____ Value related: _____ Time related: _____	Item	
	<u>B7.5 Ablution facilities</u>		
	The contractor shall provide toilet facilities on site for the works in accordance with: Alternative A (i.e. to be provided for by the Contractor).		
81	Fixed: _____ Value related: _____ Time related: _____	Item	
	<u>B8.0 PRIME COST AMOUNTS</u>		
	<u>B8.1 Responsibility for prime cost amounts</u>		
82	Fixed: _____ Value related: _____ Time related: _____	Item	
	<u>9.0 ATTENDANCE ON N/S SUBCONTRACTORS</u>		
	<u>B9.1 General attendance</u>		
83	Fixed: _____ Value related: _____ Time related: _____	Item	
	<u>B9.2 Special attendance</u>		
84	Fixed: _____ Value related: _____ Time related: _____	Item	
	<u>B9.3 Commissioning - fuel, water and electricity</u>		
85	Fixed: _____ Value related: _____ Time related: _____	Item	
Carried to Collection			
Section No. 3			
Bill No. 1			
Preliminaries			

			Amount
<u>B10.0 FINANCIAL ASPECTS</u>			
<u>B10.1 Statutory taxes, duties and levies</u>			
86	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B10.2 Payment for preliminaries</u>			
87	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B10.3 Adjustment of preliminaries</u>			
88	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B10.4 Payment certificate cash flow</u>			
89	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B11. GENERAL</u>			
<u>B11.1 Protection of the works</u>			
90	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B11.2 Protection / isolation of existing / sectionally occupied works</u>			
91	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B11.3 Security of the works</u>			
92	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B11.4 Notice before covering work</u>			
93	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>11.5 Disturbance</u>			
94	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B11.6 Environmental disturbance</u>			
95	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B11.7 Works cleaning and clearing</u>			
96	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B11.8 Vermin</u>			
97	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B11.9 Overhand work</u>			
98	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B11.10 Instruction manuals and guarantees</u>			
99	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B11.11 As built information</u>			
100	Fixed: _____ Value related: _____ Time related: _____	Item	
Carried to Collection			
Section No. 3			
Bill No. 1			
Preliminaries			

			Amount
101	<u>B11.12 Tenant installations</u>		
	Fixed: _____ Value related: _____ Time related: _____	Item	
102	<u>SECTION C: SPECIFIC PRELIMINARIES</u>		
	Section C contains specific preliminary items which apply to this contract except where N/A (Not Applicable) appears against an item.		
103	<u>C1 CONTRACT DRAWINGS</u>		
	The drawings issued with the tender documents do not comprise the complete set but serve as a guide only for tendering purposes and for indicating the scope of the work to enable the tenderer to acquaint himself with the nature and extent of the works and the manner in which they are to be executed. Should any part of the drawings not be clearly intelligible to the tenderer he shall, before submitting his tender, obtain clarification in writing from the principal agent.	Item	
104	<u>C2 GENERAL PREAMBLES</u>		
	The document "Specification of Materials and Methods to be used (PW371)" is obtainable on request from the head office and all regional offices of the Department, and shall be read in conjunction with the bills of quantities / lump sum document and be referred to for the full descriptions of work to be done and materials to be used.	Item	
104	<u>C3 PROPRIETARY BRANDED PRODUCTS</u>		
	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. 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. 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.	Item	
Carried to Collection			
Section No. 3			
Bill No. 1			
Preliminaries			

			Amount
<u>C4 CONTRACTOR'S RESPONSIBILITY</u>			
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			
105	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>C5 OVERTIME</u>			
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.			
106	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>C6 AS BUILT DRAWINGS</u>			
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.			
Three full sets of as-built drawings shall be submitted to the Principal Agent no later than fourteen days after practical completion			
107	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>C7 CONTRACT INSTRUCTIONS</u>			
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) Contract 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.			
Carried to Collection			
Section No. 3			
Bill No. 1			
Preliminaries			

			Amount
108	Fixed:_____ Value related:_____ Time related:_____	Item	
	<u>C8 LABOUR RECORD</u>		
	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		
109	F: V: T:	Item	
	<u>C9 PLANT RECORD</u>		
	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.		
110	F: V: T:	Item	
	<u>C10 ENCROACHMENT</u>		
	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		
111	F: V: T:	Item	
	<u>C11 METHOD STATEMENT</u>		
	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.		
112	F: V: T:	Item	
	<u>C12 UNAUTHORISED PERSONS/WORKMEN ON PREMISES</u>		
	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.		
	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.		
113	F: V: T:	Item	
	<u>C13 MODE OF PROCEDURE</u>		
	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.		
Carried to Collection			
Section No. 3			
Bill No. 1			
Preliminaries			

			Amount
114	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 F: V: T: <u>C14 LOCATION OF TEMPORARY BUILDINGS AND TEMPORARY SERVICES</u> 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 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	Item	
115	F: V: T: <u>C15 OFFICE ACCOMMODATION</u> 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]	Item	
116	F: V: T: <u>C16 STORAGE FACILITIES</u> The Contractor shall provide a Container for storage of materials.	Item	
117	F: V: T: <u>C17 REMOVAL AND MAKING GOOD OF TEMPORARY WORKS, ETC, ON COMPLETION</u> 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.	Item	
118	F: V: T:	Item	
Carried to Collection			
Section No. 3			R
Bill No. 1			
Preliminaries			

SECTION NO. 3
NTSHOZWENI SENIOR PRIMARY SCHOOL
BILL NO. 1
PRELIMINARIES
COLLECTION

Amount

Page No

Brought Forward from Page

88
89
90
91
92
93
94
95
96
97
98
99
100
101
102

Section No. 3
Bill No. 1
Preliminaries

Carried To Section Summary

R

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 3</u> <u>NTSHOZWENI SENIOR PRIMARY SCHOOL</u> <u>BILL NO. 2</u> <u>HEALTH AND SAFETY</u> <u>MODEL PREAMBLES</u> The tenderer is referred to the "Model Preambles for Trades 2008" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates. <u>SUPPLEMENTARY PREAMBLES</u> Supplementary preambles and/or specifications are incorporated in these bills of quantities to satisfy the requirements of this project. Such supplementary preambles and/or specifications shall take precedence over the provisions of the General Preambles. The contractor's prices for all items throughout these bills of quantities shall take account of and include where applicable for all of the obligations, requirements and specifications given in the General Preambles and in any supplementary preambles and/or specifications. Prior to pricing the principal contractor must familiarize him/herself with the Occupational Health and Safety Act No. 85 Of 1993, Construction Regulations 2014, other relevant Regulations and Standards as well as project specific Health & Safety specifications. <u>OCCUPATIONAL HEALTH AND SAFETY</u> <u>General</u> 1 Preparation of Contractor's site specific Health and Safety Plan 2 Submission of the Health and Safety File 3 Principal Contractor's initial obligations in respect of the OHS Act and Construction Regulations 4 Principal Contractor's time related obligations in respect of the OHS Act and Construction Regulations for the entire construction period 5 Provision of full time Health and Safety Officer for the entire construction period 6 Induction training of all personnel 7 Provision of first aid boxes Carried to Collection Section No. 3 Bill No. 2 Health And Safety				
	Item			
	Item			
	Item			
	Item			
	Item			
	Item			
	Item			
			R	

	Unit	Quantity	Rate	Amount
8 SANS approved weld mesh type temporary barrier fencing 1,8m high covered with a net fixed to and including 100mm diameter gum poles set securely min 300mm deep in ground at max 3m spacing including excavation, backfilling, etc	m	150		
9 Extra over mesh fence for pedestrian gate size 1.8 x 1,8m high	No	1		
<u>Provision for Personal Protective Equipment and</u>				
10 Reflective vests.	Item			
11 Hard hats	Item			
12 Protective footwear	Item			
13 Ear plugs	Item			
14 Dust masks	Item			
<u>Medical certificates and medical surveillance</u>				
15 Initial (baseline) medical examinations for all personnel	Item			
16 Exit Examinations for all personnel	Item			
<u>Noise Monitoring</u>				
17 Establishment of noise zones	Item			
18 Audiograms	Item			
<u>Covid-19 Compliance Measures</u>				
19 The Contractor is required to price for Covid 19 compliance and the pricing thereof shall be deemed to include all the mandatory requirements	Item			
Carried to Collection			R	
Section No. 3				
Bill No. 2				
Health And Safety				

Amount

SECTION NO. 3

NTSHOZWENI SENIOR PRIMARY SCHOOL

BILL NO. 2

HEALTH AND SAFETY

COLLECTION

Page No

Brought Forward from Page

104

105

Carried To Section Summary

R

Section No. 3

Bill No. 2

Health And Safety

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 3</u> <u>NTSHOZWENI SENIOR PRIMARY SCHOOL</u> <u>BILL NO. 3</u> <u>RENOVATIONS</u> <u>PREAMBLES</u> The Tenderer is referred to the relevant Clause in the separate document Model Preambles for Trades (1999 Edition) published by the Association of South African Quantity Surveyors, the document "PW 371 - A Edition 2.1 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (Edition July 2014) and the Supplementary Preambles which are incorporated in these Bills of Quantities <u>SUPPLEMENTARY PREAMBLES</u> <u>View site</u> Before submitting his tender the tenderer shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials contained in the buildings or portions of the buildings to be demolished. No claim for any variations of the contract sum in respect of the nature and extent of the work or of inferior or damaged materials will be entertained <u>General</u> Water supply pipes and other piping in ground that may be encountered and found necessary to disconnect or cut, shall be effectually stopped off or grubbed up and removed, and any new connections that may be necessary shall be made with proper fittings to the satisfaction of the principal agent <u>MAKING GOOD OF EXISTING WORK</u> <u>Making good VIP pedestals</u> 1 Secure loosely fitted pit pedestals by bolting down securely or applying an cement/ epoxy based industrial adhesive <u>Taking out and removing piping, sanitary fittings, etc including disconnecting piping from fittings and making good floor and wall finishes (making good tiling and paintwork elsewhere)</u> 2 Remove VIP 200 pit pedestals, prepare surface to receive new VIP 450 pit pedestal (new pedestal measured elsewhere) 3 Damaged 110mm vent pipes				
	No	3		
	No	3		
	m	3		
Carried to Collection			R	
Section No. 3 Bill No. 3 Renovations				

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Amount

SECTION NO. 3

NTSHOZWENI SENIOR PRIMARY SCHOOL

BILL NO. 3

RENOVATIONS

COLLECTION

Page No

Brought Forward from Page

107

108

Carried To Section Summary

R

Section No. 3

Bill No. 3

Renovations

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 3</u> <u>NTSHOZWENI SENIOR PRIMARY SCHOOL</u> <u>BILL NO. 4</u> <u>GARDEN AND BALUSTRADE WALLS</u> <u>PREAMBLES</u> The Tenderer is referred to the relevant Clause in the separate document Model Preambles for Trades (1999 Edition) published by the Association of South African Quantity Surveyors, the document "PW 371 - A Edition 2.1 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (Edition July 2014) and the Supplementary Preambles which are incorporated in these Bills of Quantities <u>EARTHWORKS (PROVISIONAL)</u> <u>Excavate in pickable material not exceeding 2m deep below natural or reduced ground level:</u>				
1	m ³	14		
<u>Extra over excavation in pickable material for column bases, trenches, lift pits, sumps, etc for excavation:</u>				
2	m ³	2		
3	m ³	1		
4	m ²	56		
5	Item			
<u>Earth filling obtained from the excavations and/or prescribed stock piles on site, compacted to 98% Mod AASHTO density</u>				
6	m ³	3		
7	m ²	24		
<u>Earth filling supplied by the contractor, compacted to 98% Mod AASHTO density</u>				
8	m ³	3		
Carried to Collection			R	
Section No. 3				
Bill No. 4				
Garden And Balustrade Walls				

		Unit	Quantity	Rate	Amount
<u>CONCRETE, FORMWORK & REINFORCEMENT</u>					
<u>25MPa Mass concrete in:</u>					
9	Wall footings cast against excavated surfaces.	m ³	5		
<u>Expansion Joints:</u>					
10	12mm "Flexcell" or other approved cane fibre filler board in expansion joint between edge of concrete paving and walls in narrow widths not exceeding 150mm wide including tacking to face of wall.	m	47		
<u>TEST CUBES</u>					
<u>Test Cubes</u>					
11	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	2		
<u>MASONRY</u>					
<u>Brickwork of NFX bricks (14 MPa nominal compressive strength) in class II mortar</u>					
12	One brick wall.	m ²	42		
<u>2,5mm Galvanised brick reinforcement</u>					
13	150mm Wide reinforcement built in horizontally	m	141		
<u>Facings Externally:</u>					
<u>"Rustgold FBS/Qunu Travertine" clay face brick or equal approved, size 222 x 106 x 73mm, bedded and jointed in Class II mortar and pointed with recessed vertical and recessed horizontal joints, suitable for exposure zones 1-2 (Cement to be 42.5N all-purpose cement):</u>					
14	Extra over ordinary brickwork for facing in stretcher bond and pointing as described.	m ²	38		
15	Brick on edge coping in header course to top of one brick wall bedded and jointed in cement mortar and pointed on top and both sides as described.	m	47		
<u>PAINTING</u>					
<u>Clean down with Spirits of Salts solution and apply two coats silicone-based brick dressing on:</u>					
16	Clinker brick facings (Externally).	m ²	38		
Carried to Collection				R	
Section No. 3					
Bill No. 4					
Garden And Balustrade Walls					

Amount

SECTION NO. 3

NTSHOZWENI SENIOR PRIMARY SCHOOL

BILL NO. 4

GARDEN AND BALUSTRADE WALLS

COLLECTION

Page No

Brought Forward from Page

110

111

Carried To Section Summary

Section No. 3

Bill No. 4

Garden And Balustrade Walls

R

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 3</u> <u>NTSHOZWENI SENIOR PRIMARY SCHOOL</u> <u>BILL NO. 5</u> <u>V-DRAINS</u> <u>PREAMBLES</u> The Tenderer is referred to the relevant Clause in the separate document Model Preambles for Trades (1999 Edition) published by the Association of South African Quantity Surveyors, the document "PW 371 - A Edition 2.1 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (Edition July 2014) and the Supplementary Preambles which are incorporated in these Bills of Quantities <u>SUPPLEMENTARY PREAMBLES</u> <u>Nature of ground:</u> The nature of the ground is assumed to be loose sandy material, therefore 'earth', but possibly interspersed with 'soft rock' or 'hard rock' <u>Carting away of excavated material:</u> Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site <u>Filling:</u> Notwithstanding the reference to prescribed multiple handling in clause 1 page 6 of the Standard System of Measuring Building Work, prices for filling and backfilling shall include for all selection and any necessary multiple handling of material <u>Testing:</u> Prices for filling are to include for all necessary density tests in accordance with SABS 1200D <u>Cost of tests:</u> The costs of making, storing and testing of concrete test cubes as required under clause 7 Tests of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the principal agent. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval of the principal agent. (Test cubes are measured separately)				
Carried to Collection			R	
Section No. 3 Bill No. 5 V-drains				

		Unit	Quantity	Rate	Amount
	<u>EXCAVATION ETC</u>				
	<u>Excavation in earth not exceeding 2m deep</u>				
1	Reduced levels under pavings	m ³	8		
	<u>Extra over all excavations for carting away</u>				
2	Surplus material from excavations and/or stock piles on site, to a dumping site to be located by the contractor	m ³	8		
	<u>FILLING ETC OTHER THAN BULK</u>				
	<u>Earth filling (G7 material) supplied by the contractor, compacted to 95% Mod AASHTO density</u>				
3	Under floors, steps, pavings, etc.	m ³	5		
	<u>Coarse river sand filling supplied by the contractor</u>				
4	Under pavings etc.	m ³	2		
	<u>Compaction of surfaces</u>				
5	Compaction of ground surface under floors etc. including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 98% Mod AASHTO density	m ²	33		
	<u>Prescribed density tests on filling</u>				
6	Modified AASHTO Density test	No	3		
	<u>DAMPPROOFING OF WALLS AND FLOORS</u>				
	<u>One layer 250 micron green polyethylene waterproof sheeting (SANS 952-1985 type C) sealed at laps with PVC self-adhesive tape</u>				
7	Under surface pavings etc.	m ²	33		
	<u>STORMWATER DRAINAGE (PROVISIONAL)</u>				
	<u>Precast or in-situ concrete (25 MPa) open stormwater channels having V-shaped waterway formed in top, finished smooth on all exposed surfaces in (3:1) untinted cement plaster trowelled smooth and with angles rounded, cast in maximum 3000mm lengths, and reinforced as necessary for handling if precast, including laying to falls, bedding and pointing in (3:1) cement mortar:</u>				
8	Channel size 700 x 230mm overall with 700 x 150mm deep v-channel waterway.	m	47		
9	Extra for angle.	No	4		
10	Extra for fair end.	No	1		
	Carried to Collection			R	
	Section No. 3				
	Bill No. 5				
	V-drains				

		Unit	Quantity	Rate	Amount
11	Extra for dressing around culverts (culverts measured elsewhere.	No	1		
12	Extra for 1000mm long x 2700mm wide outlet with 300mm deep x 300mm wide thickened edge and thirteen number 150 x 150 x 150mm concrete block energy dissipaters set into in-situ concrete draining off to and including a 2700 x 600 x 100mm thick bed formed of 19mm diameter stones	No	1		
13	Stormwater dish drain size 900 x 600 x 900mm wide (2400 wide overall) x 300mm deep with 2400 x 150mm deep waterway.	m	2		
<u>TEST CUBES</u>					
<u>Test Cubes</u>					
14	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	3		
<u>REINFORCEMENT (CPAP WORK GROUP NO. 114)</u>					
<u>Fabric reinforcement</u>					
15	Type 617 fabric reinforcement in concrete dish drains etc	m ²	33		
Carried to Collection					R
Section No. 3					
Bill No. 5					
V-drains					

Amount

SECTION NO. 3

NTSHOZWENI SENIOR PRIMARY SCHOOL

BILL NO. 5

V-DRAINS

COLLECTION

Page No

Brought Forward from Page

113

114

115

Carried To Section Summary

R

Section No. 3

Bill No. 5

V-drains

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 3</u>				
<u>NTSHOZWENI SENIOR PRIMARY SCHOOL</u>				
<u>BILL NO. 6</u>				
<u>CONCRETE APRONS, WALKWAYS & RAMPS</u>				
<u>PREAMBLES</u>				
The Tenderer is referred to the relevant Clause in the separate document Model Preambles for Trades (1999 Edition) published by the Association of South African Quantity Surveyors, the document "PW 371 - A Edition 2.1 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (Edition July 2014) and the Supplementary Preambles which are incorporated in these Bills of Quantities				
<u>EARTHWORKS (PROVISIONAL)</u>				
<u>Excavate in pickable material not exceeding 2m deep below natural or reduced ground level:</u>				
1 Reduce levels under pavings.	m ³	2		
<u>Extra over excavation in pickable material for column bases, trenches, lift pits, sumps, etc for breaking up:</u>				
2 Unreinforced concrete	m ³	2		
3 Allow for keeping excavations entirely free from water or mud.	Item			
<u>Earth filling obtained from the excavations and/or prescribed stock piles on site, compacted to 98% Mod AASHTO density</u>				
4 Scarify in-situ material for a depth of 150mm and compact to obtain 95% modified AASHTO dry density.	m ²	14		
<u>Earth filling (G7 material) supplied by the contractor, compacted to 95% Mod AASHTO density</u>				
5 Under floors, steps, pavings, etc.	m ³	2		
<u>CONCRETE, FORMWORK & REINFORCEMENT</u>				
<u>25MPa Mass concrete in:</u>				
6 Ramps	m ³	1		
7 Pavings.	m ³	1		
Carried to Collection			R	
Section No. 3				
Bill No. 6				
Concrete Aprons, Walkways & Ramps				

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Amount

SECTION NO. 3

NTSHOZWENI SENIOR PRIMARY SCHOOL

BILL NO. 6

CONCRETE APRONS, WALKWAYS & RAMPS

COLLECTION

Page No

Brought Forward from Page

117

118

Carried To Section Summary

Section No. 3

Bill No. 6

Concrete Aprons, Walkways & Ramps

R

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 3</u> <u>NTSHOZWENI SENIOR PRIMARY SCHOOL</u> <u>BILL NO. 7</u> <u>RETAINING WALLS</u> <u>PREAMBLES</u> The Tenderer is referred to the relevant Clause in the separate document Model Preambles for Trades (1999 Edition) published by the Association of South African Quantity Surveyors, the document "PW 371 - A Edition 2.1 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (Edition July 2014) and the Supplementary Preambles which are incorporated in these Bills of Quantities <u>EARTHWORKS (PROVISIONAL)</u> <u>Excavate in pickable material not exceeding 2m deep below natural or reduced ground level:</u>				
1	m ³	9		
<u>Extra over excavation in pickable material for column bases, trenches, lift pits, sumps, etc for excavation:</u>				
2	m ³	1		
3	m ³	1		
4	m ²	29		
5	Item			
<u>Earth filling obtained from the excavations and/or prescribed stock piles on site, compacted to 98% Mod AASHTO density</u>				
6	m ³	4		
7	m ²	11		
<u>Earth filling supplied by the contractor, compacted to 98% Mod AASHTO density</u>				
8	m ³	4		
Carried to Collection			R	
Section No. 3 Bill No. 7 Retaining Walls				

		Unit	Quantity	Rate	Amount
<u>CONCRETE, FORMWORK & REINFORCEMENT</u>					
<u>25MPa Mass concrete in:</u>					
9	Wall footings cast against excavated surfaces.	m ³	3		
<u>TEST CUBES</u>					
<u>Test Cubes</u>					
10	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	1		
<u>MASONRY</u>					
<u>Brickwork of NFX bricks (14 MPa nominal compressive strength) in class II mortar</u>					
11	One brick wall.	m ²	34		
<u>2,5mm Galvanised brick reinforcement</u>					
12	150mm Wide reinforcement built in horizontally	m	133		
<u>Facings Externally:</u>					
<u>"Rustgold FBS/Qunu Travertine" clay face brick or equal approved, size 222 x 106 x 73mm, bedded and jointed in Class II mortar and pointed with recessed vertical and recessed horizontal joints, suitable for exposure zones 1-2 (Cement to be 42.5N all-purpose cement):</u>					
13	Extra over ordinary brickwork for facing in stretcher bond and pointing as described.	m ²	25		
14	Brick on edge coping in header course to top of one brick wall bedded and jointed in cement mortar and pointed on top and both sides as described.	m	19		
<u>PAINTING</u>					
<u>Clean down with Spirits of Salts solution and apply two coats silicone-based brick dressing on:</u>					
15	Clinker brick facings (Externally).	m ²	25		
Carried to Collection				R	
Section No. 3					
Bill No. 7					
Retaining Walls					

Amount

SECTION NO. 3

NTSHOZWENI SENIOR PRIMARY SCHOOL

BILL NO. 7

RETAINING WALLS

COLLECTION

Page No

Brought Forward from Page

120

121

Carried To Section Summary

R

Section No. 3

Bill No. 7

Retaining Walls

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 3</u> <u>NTSHOZWENI SENIOR PRIMARY SCHOOL</u> <u>BILL NO. 8</u> <u>SOAKAWAYS & CULVERTS</u> <u>PREAMBLES</u> The Tenderer is referred to the relevant Clause in the separate document Model Preambles for Trades (1999 Edition) published by the Association of South African Quantity Surveyors, the document "PW 371 - A Edition 2.1 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (Edition July 2014) and the Supplementary Preambles which are incorporated in these Bills of Quantities <u>SUPPLEMENTARY PREAMBLES</u> <u>Filling:</u> Notwithstanding the reference to prescribed multiple handling in clause 1 page 6 of the Standard System of Measuring Building Work, prices for filling and backfilling shall include for all selection and any necessary multiple handling of material <u>Testing:</u> Prices for filling are to include for all necessary density tests in accordance with SABS 1200D <u>CULVERTS</u> <u>Culverts formed of Class 50D concrete pipes</u>				
1	450mm Diameter concrete pipes in culverts laid in trenches not exceeding 1m deep including excavation, bedding, backfilling, compaction and carting away	m	6	
<u>Brick stormwater catchpits</u>				
2	Catchpit size 600 x 600 x 600 deep formed of one brick walls including plaster, 15MPa concrete benching, forming hole around 450mm diameter concrete pipes (pipes measured elsewhere) and all excavation and carting away	No	1	
3	450 x 450mm x 27.3kg Cast iron stormwater grating and frame	No	1	
<u>Stormwater dissipators</u>				
4	19mm Crushed stone beds on 1m x 1m x 150mm deep holes including excavations	No	1	
Carried to Collection			R	
Section No. 3 Bill No. 8 Soakaways & Culverts				

		Unit	Quantity	Rate	Amount
<u>THE FOLLOWING IN HEADWALLS AND STORMWATER DISSIPATERS</u>					
<u>Site clearance</u>					
5	Digging up and removing rubbish, debris, vegetation, hedges, shrubs, bush, etc. and trees not exceeding 200mm girth	m ²	5		
6	Stripping average 150mm thick layer of top soil and depositing material in prescribed stock piles on site	m ²	5		
<u>Open face excavation in earth over sloping site</u>					
7	Open face excavation	m ³	5		
<u>Excavation in earth not exceeding 2m deep</u>					
8	Trenches	m ³	1		
9	Holes	m ³	1		
<u>Extra over trench and hole excavations in earth for excavation in</u>					
10	Soft rock	m ³	1		
11	Hard rock	m ³	1		
<u>Extra over all excavations for carting away</u>					
12	Surplus material from excavations and/or stock piles on site, to a dumping site to be located by the contractor	m ³	6		
<u>Risk of collapse of excavations</u>					
13	Sides of trench and hole excavations not exceeding 1,5m deep	m ²	4		
<u>Coarse river sand filling supplied by the contractor</u>					
14	Under floors etc.	m ³	1		
<u>Keeping excavations free of water</u>					
15	Keeping excavations free of all water other than subterranean water	Item			
<u>Gabions of galvanised wire boxes laced together and filled with broken stone, with voids filled with 1:3 cement sand mixture</u>					
16	300mm Thick gabion mattress of 1.8 x 1 x 0.3m boxes properly bonded	m ³	1		
<u>A3 Geotextile filter fabric blanket with 300mm laps</u>					
17	Under stone filled gabion mattresses including preparing ground surface under	m ²	2		
Carried to Collection				R	
Section No. 3					
Bill No. 8					
Soakaways & Culverts					

		Unit	Quantity	Rate	Amount
	<u>25MPa/19mm concrete</u>				
18	Surface beds on waterproofing	m ³	0.26		
19	Walls in foundations (Provisional)	m ³	1		
	<u>Test cubes</u>				
20	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	1		
	<u>Finishing top surfaces of concrete smooth with a wood float</u>				
21	Surface beds, slabs, etc. to falls and currents	m ²	2		
	<u>Rough formwork to sides</u>				
22	Walls in foundations (Provisional)	m ²	1		
	<u>Fabric reinforcement</u>				
23	Type 617 fabric reinforcement in concrete surface beds etc.	m ²	2		
24	Type 617 fabric reinforcement in concrete walls	m ²	1		
	<u>Brickwork of NFX bricks (14 MPa nominal compressive strength) in class II mortar</u>				
25	One brick walls	m ²	2		
	<u>"Rustgold FBS/Qunu Travertine" clay face brick or equal approved, size 222 x 106 x 73mm, bedded and jointed in Class II mortar and pointed with recessed vertical and recessed horizontal joints, suitable for exposure zones 1-2 (Cement to be 42.5N all-purpose cement):</u>				
26	Extra over brickwork for face brickwork	m ²	2		
27	Fair cutting and fitting around pipe exceeding 300mm and not exceeding 500mm external diameter	No	1		
28	Fair raking cutting	m	2		
29	Extra over brickwork for brick-on-edge header course bands one course high	m	3		
30	Fair cutting at squint quoins or birdsmouth angles	m	1		
	<u>One layer 250 micron green polyethylene waterproof sheeting (SANS 952-1985 type C) sealed at laps with PVC self-adhesive tape</u>				
31	Under surface beds	m ²	1		
	Carried to Collection			R	
	Section No. 3				
	Bill No. 8				
	Soakaways & Culverts				

	Unit	Quantity	Rate	Amount
32 1:3 Cement plaster wood floated, on brickwork On walls	m ²	2		
Carried to Collection				
Section No. 3 Bill No. 8 Soakaways & Culverts				

Amount

SECTION NO. 3

NTSHOZWENI SENIOR PRIMARY SCHOOL

BILL NO. 8

SOAKAWAYS & CULVERTS

COLLECTION

Page No

Brought Forward from Page

123

124

125

126

Carried To Section Summary

R

Section No. 3

Bill No. 8

Soakaways & Culverts

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 3</u>				
<u>NTSHOZWENI SENIOR PRIMARY SCHOOL</u>				
<u>BILL NO. 9</u>				
<u>GRADE R FENCING</u>				
<u>PREAMBLES</u>				
The Tenderer is referred to the relevant Clause in the separate document Model Preambles for Trades (1999 Edition) published by the Association of South African Quantity Surveyors, the document "PW 371 - A Edition 2.1 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (Edition July 2014) and the Supplementary Preambles which are incorporated in these Bills of Quantities				
<u>THE FOLLOWING IN SECURITY FENCING</u>				
<u>Site clearance</u>				
1 Allow for clearing site for a width of 1m where fencing runs are to be erected including removing trees, shrubs, etc not exceeding 200mm girth, grubbing up roots and roughly levelling	m	79		
<u>Straining wires, fencing and razor wire</u>				
2 Four strands of 4mm Class'A' galvanised straining wires secured to fencing posts with doubled 2 mm galvanised wire inserted through hole in post and turned a minimum of four turns around straining wire and attached to straining frame at one end with not less than four turns at the other end to straining bolts (elsewhere measured).	m	79		
3 Fencing formed of 50 x 50 x 2.0mm diameter galvanised fencing 1 800mm high and fixed to each straining wire with 8 guage binding wire at 500mm centres including staking to ground with and including Y10 pegs at 900mm c/c between posts (straining wires elsewhere measured).	m	79		
<u>Posts</u>				
4 75mm Diameter galvanised steel intermediate fencing post, 2700mm fitted with a pressed steel mushroom cap, post fitted with 150 x 150 x 5mm base plate at bottom and set into the ground.	No	11		
5 150mm Ditto as standard post but embedded in 600 x 600 x 700mm high mass concrete (15MPa) base	No	6		
			R	
Carried to Collection				
Section No. 3 Bill No. 9 Grade R Fencing				

128

		Unit	Quantity	Rate	Amount
6	150mm Ditto as straining or corner posts, but fitted with two 75mm diameter galvanised steel raking stays and with top ends flattened and bolted through post with post embedded in 600 x 600 x 700mm high mass concrete (15MPa) base and stays embedded in 700 x 700 x 450mm high mass concrete (15MPa) base	No	4		
7	150mm Ditto as end/ gate post, but fitted with one 75mm diameter galvanised steel stay set raking and with top end flattened and bolted through post, with post embedded in 600 x 600 x 700mm mass concrete (15MPa) base and stay embedded in 700 x 700 x 450mm high mass concrete (15MPa) base with all base tops set raking (sloping)	No	5		
<u>Gates</u>					
8	Security fence single gate, size 900 mm wide x 1800 mm high, formed of 50 mm diameter nominal bore x 2,2 mm wall thickness hot dip galvanised mild steel pipe framing all round with mitred and welded angles and middle rail, with 20mm diameter x 300mm long locking bolt welded on and a pair of heavy duty gate hooks for a 16mm band hinge pin welded on to gate and including a pair of 16mm band hinge pins bolted to gate posts	No	1		
9	Security fence single gate, size 1500 mm wide x 1800 mm high, formed of 50 mm diameter nominal bore x 2,2 mm wall thickness hot dip galvanised mild steel pipe framing all round with mitred and welded angles and middle rail, hung on pair of socketted and pinned hinges with pin 18mm in diameter and bolted to brick wall and with 20mm diameter x 300mm long locking bolt welded on.	No	1		
10	Double gate, size 6 000 mm wide x 1 800 mm high overall in two leaves, formed of 50 mm diameter nominal bore x 2.5 mm wall thickness hot dip galvanised mild steel pipe framing all round with 25 mm diameter nominal bore x 2.0 mm wall thickness diagonal and centre braces, scribed and welded into angles and at cross intersections, gate filled with 50 x 50 x 2,0mm galvanised wire diamond mesh, with two 50 mm diameter nominal bore x 3,25 mm wall thickness security posts each 600 mm long with one end welded to top rail of gate and closure plate to other end, each leaf fitted with two 25 mm diameter x 300 mm long eyebolt hinges and stops including all holes, etc., welded or bolted to adjoining galvanised gatepost with and including 500 mm long approved chain spot welded to gate and 200 x 200 x 300mm thick 25MPa concrete concrete block with a 19mm x 100mm long galvanised steel pipe as keep for gate bolt	No	1		
Carried to Collection				R	
Section No. 3					
Bill No. 9					
Grade R Fencing					

	Unit	Quantity	Rate	Amount
<u>Locks</u> 11 50mm "Viro" or other equally approved padlocks for external use.	No	3		
Carried to Collection			R	
Section No. 3 Bill No. 9 Grade R Fencing				

130

Amount

SECTION NO. 3

NTSHOZWENI SENIOR PRIMARY SCHOOL

BILL NO. 9

GRADE R FENCING

COLLECTION

Page No

Brought Forward from Page

128

129

130

Carried To Section Summary

Section No. 3

Bill No. 9

Grade R Fencing

R

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 3</u>				
<u>NTSHOZWENI SENIOR PRIMARY SCHOOL</u>				
<u>BILL NO. 10</u>				
<u>SCREEN WALLS</u>				
<u>PREAMBLES</u>				
The Tenderer is referred to the relevant Clause in the separate document Model Preambles for Trades (1999 Edition) published by the Association of South African Quantity Surveyors, the document "PW 371 - A Edition 2.1 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (Edition July 2014) and the Supplementary Preambles which are incorporated in these Bills of Quantities				
<u>EARTHWORKS (PROVISIONAL)</u>				
<u>Excavate in pickable material not exceeding 2m deep below natural or reduced ground level:</u>				
1 Surface trenches.	m ³	4		
2 Holes	m ³	8		
<u>Extra over excavation in pickable material for column bases, trenches, lift pits, sumps, etc for excavation:</u>				
3 Soft rock.	m ³	1		
4 Hard rock.	m ³	1		
5 Allow for risk of collapse to sides of excavations to column bases, trenches, etc. from ground level to not exceeding 1,5m deep.	m ²	28		
6 Allow for keeping excavations entirely free from water or mud.	Item			
<u>Earth filling obtained from the excavations and/or prescribed stock piles on site, compacted to 98% Mod AASHTO density</u>				
7 Backfilling to trenches, holes, etc.	m ³	6		
<u>CONCRETE, FORMWORK & REINFORCEMENT</u>				
<u>25MPa Mass concrete in:</u>				
8 Wall footings cast against excavated surfaces.	m ³	2		
9 Bases	m ³	3		
Carried to Collection			R	
Section No. 3				
Bill No. 10				
Screen Walls				

[illegible]

Amount

SECTION NO. 3

NTSHOZWENI SENIOR PRIMARY SCHOOL

BILL NO. 10

SCREEN WALLS

COLLECTION

Page No

Brought Forward from Page

132

133

Carried To Section Summary

R

Section No. 3

Bill No. 10

Screen Walls

Amount

SECTION NO. 3

NTSHOZWENI SENIOR PRIMARY SCHOOL

BILL NO. 11

PROVISIONAL SUMS

PROVISIONAL SUMS

Supplementary Preambles

Tenderers are advised that no claim in respect of loss of profit or Preliminary charges based on the omission of these amounts will be considered and the said amounts will be omitted strictly without any financial compensation payable to the Contractor.

Provisional sums and Budgetary allowances contained herein may be omitted or reduced at the Employer's discretion and the Contractor shall not be entitled to claim for any loss by way of reductions or omission of any discount, or percentage relating to Provisional amounts and Budgetary sums or any loss of profit related thereto.

BUDGETARY ALLOWANCES

Sundry building work

- 1 Provide the sum of R22 500.00 for the employment of a Community Liaison Officer to be employed by the Main Contractor and be paid an allowance of R7 500.00 a month for the duration (3 months)

Item 22 500 00

- 2 Profit on CLO

Item

- 3 Attendance to CLO

Item

- 4 Provide the sum of R105 000. 00 for the hire, maintenance and servicing of temporary toilets for educators and learners during the entire constructions period

Item 105 000 00

- 5 Profit on temporary toilets

Item

- 6 Attendance on temporary toilets

Item

Contingencies

- 7 Allow the Amount of R26 000.00 (Twenty Six Thousand Rands) for contingencies, to be used by the Architect in terms of Clause 17 of the Principal Building Agreement.

Item 26 000 00

Carried To Section Summary

R

Section No. 3

Bill No. 11

Provisional Sums

Amount

SECTION NO. 3
NTSHOZWENI SENIOR PRIMARY SCHOOL
SECTION SUMMARY

Bill No.		Page
1	PRELIMINARIES	103
2	HEALTH AND SAFETY	106
3	RENOVATIONS	109
4	GARDEN AND BALUSTRADE WALLS	112
5	V-DRAINS	116
6	CONCRETE APRONS, WALKWAYS & RAMPS	119
7	RETAINING WALLS	122
8	SOAKAWAYS & CULVERTS	127
9	GRADE R FENCING	131
10	SCREEN WALLS	134
11	PROVISIONAL SUMS	135

Section No. 3
SECTION SUMMARY

Carried to Final Summary

R

SECTION NO. 4

LOWER CULUNCA JUNIOR SECONDARY SCHOOL

Amount

SECTION NO. 4

LOWER CULUNCA JUNIOR SECONDARY SCHOOL

BILL NO. 1

PRELIMINARIES

BUILDING AGREEMENT AND PRELIMINARIES

1. The Principal Building Agreement shall be the JBCC Series Edition 4.1, March 2005 as recommended by the Joint Building Contracts Committee and as amended by this Tender Enquiry.

2. The Preliminaries shall be JBCC Series 2000, May 2005 for use with the Principal Building Agreement as recommended by the joint Building Contracts Committee and as amended by this Tender Enquiry shall be deemed to be incorporated herein.

3. The tenderor is deemed to have referred to the abovementioned documents for the full intent and meaning of each clause. The clauses in the abovementioned documents are hereinafter referred to by clause number and heading only.

4. Where standard clauses or alternatives are not entirely applicable to this contract, such modifications, corrections or additions as are necessary, are given as far as possible under each relevant clause heading. Additional Preliminary clauses are contained in Section C hereof.

5. No claim whatsoever shall be entertained in respect of errors or omissions in pricing due to brevity of descriptions of items which are fully described when read in conjunction with the relevant clauses of the said Principal Building Agreement, Preliminaries and Preambles.

6. The Tenderers shall allow opposite each of the clauses whatever costs and charges he may consider necessary for the carrying out, complying with and due observance of the provisions, conditions and requirements set out herein. Only priced items will be considered in respect of any adjustment of this Section. Any items left unpriced will be understood to be provided free of charge and no claim for any extras arising out of the Tenderer's omission to price any item will be entertained.

7. Where modifications or amendments as described are made, such modifications and/or amendments shall supercede any conflicting provisions in the relevant clauses of the Standard Preliminaries or the Principal Building Agreement and the Tenderer shall make due allowance for whatever costs and charges he may consider necessary for the carrying out and observance of the provisions of the clauses as modified and/or amended.

8. Where any item is not relevant to this specific contract, such item is marked N/A.

9. If Alternative A as set out in clause B10.3 hereinafter is to be used for the adjustment of the preliminaries, each item priced is to be allocated to one or more of the three categories by insertion of "F", "V", "T" as the case may be against the price in the "rate" column immediately preceding the "amount" column, where "F" denotes a fixed amount (amount not to be varied), "V" denotes an amount variable in proportion to value, and "T" denotes an amount proportionate to time.

Carried to Collection

R

Section No. 4

Bill No. 1

Preliminaries

			Amount
<u>SECTION A: JBCC PRINCIPAL BUILDING AGREEMENT</u>			
<u>DEFINITIONS</u>			
<u>A1 DEFINITIONS AND INTERPRETATION</u>			
<u>Clause 1.0:</u>			
1	Fixed:_____ Value related:_____ Time related:_____0	Item	
<u>OBJECTIVE AND PREPARATION</u>			
<u>A2 OFFER, ACCEPTANCE AND PERFORMANCE</u>			
<u>Clause 2.0</u>			
2	Fixed:_____ Value related:_____ Time related:_____	Item	
<u>A3 DOCUMENTS</u>			
<u>Clause 3.0</u>			
Clause 3.1 is deleted and substituted with: 'This tender is for a Government Contract. No Payment Guarantee will be provided.'			
Clause 3.3 is deleted and substituted with:			
The principal agent shall complete the schedule and arrange for formal signing of the agreement once the priced bill of quantities/lump sum document, security, insurances and waiver of lien, where acceptable, have been provided and effected'			
3	Fixed:_____ Value related:_____ Time related:_____	Item	
<u>A4 DESIGN RESPONSIBILITY</u>			
<u>Clause 4.0</u>			
4	Fixed:_____ Value related:_____ Time related:_____	Item	
<u>A5 EMPLOYERS AGENTS</u>			
<u>Clause 5.0</u>			
5	Fixed:_____ Value related:_____ Time related:_____	Item	
<u>A6 SITE REPRESENTATIVE</u>			
<u>Clause 6.0</u>			
6	Fixed:_____ Value related:_____ Time related:_____	Item	
<u>A7 COMPLIANCE WITH REGULATIONS</u>			
7	Fixed:_____ Value related:_____ Time related:_____	Item	
<u>Clause 7.0</u>			
8	Fixed:_____ Value related:_____ Time related:_____	Item	
<u>A8 WORKS RISK</u>			
<u>Clause 8.0</u>			
9	Fixed:_____ Value related:_____ Time related:_____	Item	
Carried to Collection		R	
Section No. 4			
Bill No. 1			
Preliminaries			

			Amount
<u>A9 INDEMNITIES</u>			
<u>Clause 9.0</u>			
Clause 9.1.1 is deleted and substituted with:			
Claims from other parties consequent upon death of bodily injury or illness of any person or physical loss or damage to any property, other than the works, arising out or due to the execution of the works or occupation of the site by the contractor or his sub contractors'.			
10	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A10 WORKS INSURANCES</u>			
<u>Clause 10.0</u>			
11	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A11 LIABILITY INSURANCES</u>			
<u>Clause 11.0</u>			
12	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A12 EFFECTING INSURANCES</u>			
<u>Clause 12.0</u>			
13	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A13. No clause</u>			
14	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A14 SECURITY</u>			
<u>Clause 14.0</u>			
15	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>EXECUTION</u>			
<u>A15 PREPERATION FOR AND EXECUTION OF THE WORKS</u>			
<u>Clause 15.0</u>			
16	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A16 ACCESS TO THE WORKS</u>			
<u>Clause 16.0</u>			
17	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A17 CONTRACT INSTRUCTIONS</u>			
<u>Clause 17.0</u>			
18	Fixed: _____ Value related: _____ Time related: _____	Item	
Carried to Collection		R	
Section No. 4			
Bill No. 1			
Preliminaries			

			Amount
<u>A18 SETTING OUT OF THE WORKS</u>			
<u>Clause 18.0</u>			
The contractor shall notify the principal agent if any encroachments of adjoining foundations, buildings, structures, pavements, boundaries, etc., exist in order that the necessary arrangements may be made for the rectification of any such encroachments. Should incorrect information be given to the contractor in terms of 18.1 and 18.2, which causes the incorrect setting out of the works, the contractor shall not be liable for such incorrect setting out			
19	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A19 ASSIGNMENT</u>			
<u>Clause 19.0</u>			
20	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A20 NOMINATED SUB-CONTRACTORS</u>			
<u>Clause 20.0</u>			
21	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A21 SELECTED SUBCONTRACTORS</u>			
<u>Clause 21.0</u>			
22	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A22 EMPLOYER'S DIRECT CONTRACTORS</u>			
<u>Clause 22.0</u>			
23	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A23 CONTRACTOR'S DOMESTIC SUBCONTRACTORS</u>			
<u>Clause 23.0</u>			
24	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>COMPLETION</u>			
<u>A24 PRACTICAL COMPLETION</u>			
<u>Clause 24.0</u>			
25	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A25 WORK'S COMPLETION</u>			
<u>Clause 25.0</u>			
26	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A26 FINAL COMPLETION</u>			
<u>Clause 26.0</u>			
27	Fixed: _____ Value related: _____ Time related: _____	Item	
Carried to Collection		R	
Section No. 4			
Bill No. 1			
Preliminaries			

			Amount
<u>A27 LATENT DEFECTS LIABILITY PERIOD</u>			
<u>Clause 27.0</u>			
Clause 27.0 is amended by the addition of the following clauses:			
"27.3 Any water leakage into the building, whether in the roof, external wall or other element of the building susceptible to water leakage shall, unless proven to be a design defect, or as a result of obvious storm damage, be classified as a latent defect in terms of clause 1.0 Definitions and Interpretations".			
"27.4 The Contractor shall attend to defects during the Defects Liability Period on a progressive basis, to the satisfaction of the Principal Agent and will not be permitted to wait until the end of the Defect Liability Period or until the amount of defects accumulates in order to attend to a comprehensive list of defects"			
28	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A28 SECTIONAL COMPLETION</u>			
<u>Clause 28.0</u>			
29	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A29 REVISION OF DATE FOR PRACTICAL COMPLETION</u>			
<u>Clause 29.0</u>			
30	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A30 PENALTY FOR NON-COMPLETION</u>			
<u>Clause 30.0</u>			
31	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>PAYMENT</u>			
<u>A31 INTERIM PAYMENT TO THE CONTRACTOR</u>			
<u>Clause 31.0</u>			
The inclusion of materials and goods stored off site in the amount authorised for payment in terms of clause 31.3 shall be at the sole discretion of the principal agent and such inclusion shall only be considered upon the provision, by the contractor, of an approved guarantee issued by a registered commercial bank.			
Where prices are submitted by the contractor or nominated/selected sub-contractor during the progress of the works in respect of contract instructions or in regard to a claim under the terms of the contract and notwithstanding the fact that such prices may be used in an interim payment certificate, there is to be no presumption of acceptance. Should the principal agent wish to accept any such prices prior to the issue of the final certificate, it will be in writing.			
32	Fixed: _____ Value related: _____ Time related: _____	Item	
Carried to Collection		R	
Section No. 4			
Bill No. 1			
Preliminaries			

			Amount
<u>A32 ADJUSTMENT TO THE CONTRACT VALUE</u>			
<u>Clause 32.0</u>			
33	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A33 RECOVERY OF EXPENSE AND LOSS</u>			
<u>Clause 33.0</u>			
34	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A34 FINAL ACCOUNT AND FINAL PAYMENT</u>			
<u>Clause 34.0</u>			
35	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A35 PAYMENT TO OTHER PARTIES</u>			
<u>Clause 35.0</u>			
36	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>CANCELLATION</u>			
<u>A36 CANCELLATION BY EMPLOYER - CONTRACTOR'S DEFAULT</u>			
<u>Clause 36.0</u>			
37	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A37 CANCELLATION BY EMPLOYER - LOSS AND DAMAGE</u>			
<u>Clause 37.0</u>			
38	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A38 CANCELLATION BY CONTRACTOR - EMPLOYER'S DEFAULT</u>			
<u>Clause 38.0</u>			
39	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A39 CANCELLATION - CESSATION OF THE WORKS</u>			
<u>Clause 39.0</u>			
40	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>DISPUTE</u>			
<u>A40 DISPUTE SETTLEMENT</u>			
<u>Clause 40.0</u>			
41	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>SUBSTITUTE PROVISIONS</u>			
<u>A41 STATE CLAUSES</u>			
<u>Clause 41.0</u>			
42	Fixed: _____ Value related: _____ Time related: _____	Item	
Carried to Collection		R	
Section No. 4			
Bill No. 1			
Preliminaries			

			Amount
<u>CONTRACT VARIABLES</u>			
<u>THE SCHEDULE (C1.2 CONTRACT DATA)</u>			
<u>A42 PRE-TENDER INFORMATION</u>			
<u>Clause 42.0</u>			
Tenderers are referred to the document C1.2 Contract Data for variables pertaining to this contract.			
43	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>SECTION B: JBCC PRELIMINARIES</u>			
<u>B1.0 DEFINITIONS AND INTERPRETATION</u>			
<u>B1.1 Definitions and interpretation</u>			
44	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B2.0 DOCUMENTS</u>			
<u>B2.1 Checking of documents</u>			
Notwithstanding the issue of the tender drawings, it will remain the responsibility of the Tenderer to study all available drawings at the offices of the Principal Agent during normal working hours in order to acquaint himself with all the cost implications of the design, programming, phasing, etc.			
45	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B2.2 Provisional bills of quantities</u>			
Prime Cost Amounts, Budgetary Allowances, Provisional Amounts, etc., contained herein may be omitted or reduced at the Principal Agent's sole discretion and the Contractor shall not be entitled to claim for any loss by way of reduction or omission of any discount, or percentage relating to Prime Cost Amounts, Budgetary Allowances, Provisional Amounts, Provisional Quantities, etc., or loss of profit related thereto.			
46	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B2.3 Availability of construction documentation</u>			
47	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B2.4 Interests of agents</u>			
48	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B2.5 Priced documents</u>			
49	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B2.6 Tender submission</u>			
Notwithstanding anything contained in this clause, Tenders shall be valid for a period of 20 (Twenty) weeks from the closing date of tenders.			
50	Fixed: _____ Value related: _____ Time related: _____	Item	
Carried to Collection		R	
Section No. 4			
Bill No. 1			
Preliminaries			

			Amount
<u>B3.0 THE SITE</u>			
<u>B3.1 Defined works area</u>			
The area of the works to be occupied by the contractor, any restriction on the area and the limit of access or exit will be pointed out to the contractor by the principal agent on handing over of the site.			
Workmen employed on the site are to be restricted to the immediate area of the site and access thereto.			
The Tenderer shall make all necessary provision in all rates to take into account these requirements as no claims for extras arising from these matters will be subsequently entertained or admitted.			
51	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B3.2 Geotechnical investigation</u>			
52	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B3.3 Inspection of the site</u>			
53	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B3.4 Existing premises occupied</u>			
54	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B3.5 Previous work - dimensional accuracy</u>			
55	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B3.6 Previous work - defects</u>			
56	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B3.7 Services - known</u>			
57	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B3.8 Services - unknown</u>			
58	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B3.9 Protection of trees</u>			
59	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B3.10 Articles of value</u>			
60	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B3.11 Inspection of adjoining properties</u>			
61	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B4.0 MANAGEMENT OF CONTRACT</u>			
<u>B4.1 Management of the works</u>			
62	Fixed: _____ Value related: _____ Time related: _____	Item	
Carried to Collection		R	
Section No. 4			
Bill No. 1			
Preliminaries			

			Amount
<u>B4.2 Programme for the works</u>			
63	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B4.3 Progress meetings</u>			
64	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B4.4 Technical meetings</u>			
65	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B4.5 Labour and plant records</u>			
66	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B5.0 SAMPLES, SHOP DRAWINGS AND MANUFACTURERS' INSTRUCTIONS</u>			
<u>B5.1 Samples of materials</u>			
67	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B5.2 Workmanship samples</u>			
68	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B5.3 Shop drawings</u>			
69	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B5.4 Compliance with manufacturers instructions</u>			
70	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B6.0 TEMPORARY WORKS AND PLANT</u>			
<u>B6.1 Deposits and fees</u>			
71	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B6.2 Enclosure of the works</u>			
The contractor shall erect, maintain and remove at completion, hoardings, safety screens, barriers, access gates, covered gangways and the like as necessary for the enclosure of the works and elements thereof all for the protection of the public and others.			
72	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B6.3 Advertising</u>			
73	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B6.4 Plant, equipment, sheds and offices</u>			
74	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B6.5 Main notice board</u>			
75	Fixed: _____ Value related: _____ Time related: _____	Item	
Carried to Collection		R	
Section No. 4			
Bill No. 1			
Preliminaries			

			Amount
	<u>B6.6 Subcontractors' notice board</u>		
76	Fixed: _____ Value related: _____ Time related: _____	Item	
	<u>B7.0 TEMPORARY SERVICES</u>		
	<u>B7.1 Location</u>		
77	Fixed: _____ Value related: _____ Time related: _____	Item	
	<u>B7.2 Water</u>		
	The contractor shall provide water for the works in accordance with: Alternative A (i.e. to be provided for by the Contractor).		
78	Fixed: _____ Value related: _____ Time related: _____	Item	
	<u>B7.3 Electricity</u>		
	The contractor shall provide electricity for the works in accordance with: Alternative A (i.e. to be provided for by the Contractor).		
79	Fixed: _____ Value related: _____ Time related: _____	Item	
	<u>B7.4 Telecommunication facilities</u>		
	The contractor shall provide telephones on site for the works in accordance with: Alternative A (i.e. to be provided for by the Contractor).		
80	Fixed: _____ Value related: _____ Time related: _____	Item	
	<u>B7.5 Ablution facilities</u>		
	The contractor shall provide toilet facilities on site for the works in accordance with: Alternative A (i.e. to be provided for by the Contractor).		
81	Fixed: _____ Value related: _____ Time related: _____	Item	
	<u>B8.0 PRIME COST AMOUNTS</u>		
	<u>B8.1 Responsibility for prime cost amounts</u>		
82	Fixed: _____ Value related: _____ Time related: _____	Item	
	<u>9.0 ATTENDANCE ON N/S SUBCONTRACTORS</u>		
	<u>B9.1 General attendance</u>		
83	Fixed: _____ Value related: _____ Time related: _____	Item	
	<u>B9.2 Special attendance</u>		
84	Fixed: _____ Value related: _____ Time related: _____	Item	
	<u>B9.3 Commissioning - fuel, water and electricity</u>		
85	Fixed: _____ Value related: _____ Time related: _____	Item	
Carried to Collection			
Section No. 4			
Bill No. 1			
Preliminaries			

			Amount
<u>B10.0 FINANCIAL ASPECTS</u>			
<u>B10.1 Statutory taxes, duties and levies</u>			
86	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B10.2 Payment for preliminaries</u>			
87	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B10.3 Adjustment of preliminaries</u>			
88	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B10.4 Payment certificate cash flow</u>			
89	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B11. GENERAL</u>			
<u>B11.1 Protection of the works</u>			
90	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B11.2 Protection / isolation of existing / sectionally occupied works</u>			
91	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B11.3 Security of the works</u>			
92	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B11.4 Notice before covering work</u>			
93	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>11.5 Disturbance</u>			
94	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B11.6 Environmental disturbance</u>			
95	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B11.7 Works cleaning and clearing</u>			
96	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B11.8 Vermin</u>			
97	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B11.9 Overhand work</u>			
98	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B11.10 Instruction manuals and guarantees</u>			
99	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B11.11 As built information</u>			
100	Fixed: _____ Value related: _____ Time related: _____	Item	
		Carried to Collection	
Section No. 4		R	
Bill No. 1			
Preliminaries			

			Amount
101	<u>B11.12 Tenant installations</u>		
	Fixed: _____ Value related: _____ Time related: _____	Item	
102	<u>SECTION C: SPECIFIC PRELIMINARIES</u>		
	Section C contains specific preliminary items which apply to this contract except where N/A (Not Applicable) appears against an item.		
103	<u>C1 CONTRACT DRAWINGS</u>		
	The drawings issued with the tender documents do not comprise the complete set but serve as a guide only for tendering purposes and for indicating the scope of the work to enable the tenderer to acquaint himself with the nature and extent of the works and the manner in which they are to be executed. Should any part of the drawings not be clearly intelligible to the tenderer he shall, before submitting his tender, obtain clarification in writing from the principal agent.	Item	
104	<u>C2 GENERAL PREAMBLES</u>		
	The document "Specification of Materials and Methods to be used (PW371)" is obtainable on request from the head office and all regional offices of the Department, and shall be read in conjunction with the bills of quantities / lump sum document and be referred to for the full descriptions of work to be done and materials to be used.	Item	
104	<u>C3 PROPRIETARY BRANDED PRODUCTS</u>		
	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. 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. 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.	Item	
Carried to Collection			
Section No. 4			
Bill No. 1			
Preliminaries			

			Amount
<u>C4 CONTRACTOR'S RESPONSIBILITY</u>			
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			
105	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>C5 OVERTIME</u>			
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.			
106	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>C6 AS BUILT DRAWINGS</u>			
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.			
Three full sets of as-built drawings shall be submitted to the Principal Agent no later than fourteen days after practical completion			
107	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>C7 CONTRACT INSTRUCTIONS</u>			
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) Contract 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.			
Carried to Collection			
Section No. 4			R
Bill No. 1			
Preliminaries			

			Amount
108	Fixed:_____ Value related:_____ Time related:_____	Item	
	<u>C8 LABOUR RECORD</u>		
	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		
109	F: V: T:	Item	
	<u>C9 PLANT RECORD</u>		
	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.		
110	F: V: T:	Item	
	<u>C10 ENCROACHMENT</u>		
	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		
111	F: V: T:	Item	
	<u>C11 METHOD STATEMENT</u>		
	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.		
112	F: V: T:	Item	
	<u>C12 UNAUTHORISED PERSONS/WORKMEN ON PREMISES</u>		
	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.		
	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.		
113	F: V: T:	Item	
	<u>C13 MODE OF PROCEDURE</u>		
	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.		
Carried to Collection			
Section No. 4			
Bill No. 1			
Preliminaries			

			Amount
114	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 F: V: T: <u>C14 LOCATION OF TEMPORARY BUILDINGS AND TEMPORARY SERVICES</u> 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 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	Item	
115	F: V: T: <u>C15 OFFICE ACCOMMODATION</u> 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]	Item	
116	F: V: T: <u>C16 STORAGE FACILITIES</u> The Contractor shall provide a Container for storage of materials.	Item	
117	F: V: T: <u>C17 REMOVAL AND MAKING GOOD OF TEMPORARY WORKS, ETC, ON COMPLETION</u> 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.	Item	
118	F: V: T:	Item	
Carried to Collection			
Section No. 4			
Bill No. 1			
Preliminaries			

Amount

SECTION NO. 4

LOWER CULUNCA JUNIOR SECONDARY SCHOOL

BILL NO. 1

PRELIMINARIES

COLLECTION

Page No

Brought Forward from Page

138

139

140

141

142

143

144

145

146

147

148

149

150

151

152

Carried To Section Summary

R

Section No. 4

Bill No. 1

Preliminaries

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 4</u> <u>LOWER CULUNCA JUNIOR SECONDARY SCHOOL</u> <u>BILL NO. 2</u> <u>HEALTH AND SAFETY</u> <u>MODEL PREAMBLES</u> The tenderer is referred to the "Model Preambles for Trades 2008" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates. <u>SUPPLEMENTARY PREAMBLES</u> Supplementary preambles and/or specifications are incorporated in these bills of quantities to satisfy the requirements of this project. Such supplementary preambles and/or specifications shall take precedence over the provisions of the General Preambles. The contractor's prices for all items throughout these bills of quantities shall take account of and include where applicable for all of the obligations, requirements and specifications given in the General Preambles and in any supplementary preambles and/or specifications. Prior to pricing the principal contractor must familiarize him/herself with the Occupational Health and Safety Act No. 85 Of 1993, Construction Regulations 2014, other relevant Regulations and Standards as well as project specific Health & Safety specifications. <u>OCCUPATIONAL HEALTH AND SAFETY</u> <u>General</u>				
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		
4	Principal Contractor's time related obligations in respect of the OHS Act and Construction Regulations for the entire construction period	Item		
5	Provision of full time Health and Safety Officer for the entire construction period	Item		
6	Induction training of all personnel	Item		
7	Provision of first aid boxes	Item		
Carried to Collection			R	
Section No. 4				
Bill No. 2				
Health And Safety				

	Unit	Quantity	Rate	Amount
8 SANS approved weld mesh type temporary barrier fencing 1,8m high covered with a net fixed to and including 100mm diameter gum poles set securely min 300mm deep in ground at max 3m spacing including excavation, backfilling, etc	m	150		
9 Extra over mesh fence for pedestrian gate size 1.8 x 1,8m high	No	1		
<u>Provision for Personal Protective Equipment and</u>				
10 Reflective vests.	Item			
11 Hard hats	Item			
12 Protective footwear	Item			
13 Ear plugs	Item			
14 Dust masks	Item			
<u>Medical certificates and medical surveillance</u>				
15 Initial (baseline) medical examinations for all personnel	Item			
16 Exit Examinations for all personnel	Item			
<u>Noise Monitoring</u>				
17 Establishment of noise zones	Item			
18 Audiograms	Item			
<u>Covid-19 Compliance Measures</u>				
19 The Contractor is required to price for Covid 19 compliance and the pricing thereof shall be deemed to include all the mandatory requirements	Item			
Carried to Collection			R	
Section No. 4				
Bill No. 2				
Health And Safety				

Amount

SECTION NO. 4

LOWER CULUNCA JUNIOR SECONDARY SCHOOL

BILL NO. 2

HEALTH AND SAFETY

COLLECTION

Page No

Brought Forward from Page

154

155

Carried To Section Summary

Section No. 4

Bill No. 2

Health And Safety

R

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 4</u> <u>LOWER CULUNCA JUNIOR SECONDARY SCHOOL</u> <u>BILL NO. 3</u> <u>RENOVATIONS</u> <u>PREAMBLES</u> The Tenderer is referred to the relevant Clause in the separate document Model Preambles for Trades (1999 Edition) published by the Association of South African Quantity Surveyors, the document "PW 371 - A Edition 2.1 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (Edition July 2014) and the Supplementary Preambles which are incorporated in these Bills of Quantities <u>SUPPLEMENTARY PREAMBLES</u> <u>View site</u> Before submitting his tender the tenderer shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials contained in the buildings or portions of the buildings to be demolished. No claim for any variations of the contract sum in respect of the nature and extent of the work or of inferior or damaged materials will be entertained <u>General</u> Water supply pipes and other piping in ground that may be encountered and found necessary to disconnect or cut, shall be effectually stopped off or grubbed up and removed, and any new connections that may be necessary shall be made with proper fittings to the satisfaction of the principal agent <u>MAKING GOOD OF EXISTING WORK</u> <u>Taking out and removing piping, sanitary fittings, etc including disconnecting piping from fittings and making good floor and wall finishes (making good tiling and paintwork elsewhere)</u>				
1	Damaged 110mm vent pipes	m	4	
<u>Make good existing work</u>				
2	Loose barge boards by re-nailing into position	m	2	
<u>RAINWATER DISPOSAL</u> <u>PVC-U gutters and rainwater pipes</u>				
3	90mm Diameter rainwater pipes	m	3	
4	Extra over rainwater pipe for bend	No	3	
Carried to Collection			R	
Section No. 4 Bill No. 3 Renovations				

		Unit	Quantity	Rate	Amount
<u>SANITARY PLUMBING</u>					
<u>PVC-U soil and vent pipes</u>					
5	110mm Pipes	m	4		
<u>Extra over PVC-U soil and vent pipes for fittings</u>					
6	110mm Air vent whirlybird	No	1		
<u>TAPS, VALVES, ETC</u>					
<u>Solid cast brass</u>					
7	20mm Brass bib-tap	No	2		
<u>TANKS ETC</u>					
8	2500 Litre capacity rotomoulded polyethylene low profile rainwater tank with 8 year product guarantee, connected to 2 x 38mm threaded inlet, 50mm outlet and overflow tank connectors including 480mm diameter clip-on manhole lid, 480mm diameter insect, solid particle or mosquito screen, sludge outlet, uPVC overflow elbow, set in position on existing concrete tank stand, tank tied down with and including 4mm diameter galvanised wire wrapped twice around centre of tank and secured to each corner of tank stand with a double strand of 4mm diameter galvanised wire embedded into concrete.	No	1		
9	Hole through top of tank lid for 90mm diameter pipe.	No	1		
Carried to Collection					R
Section No. 4					
Bill No. 3					
Renovations					

158

Amount

SECTION NO. 4

LOWER CULUNCA JUNIOR SECONDARY SCHOOL

BILL NO. 3

RENOVATIONS

COLLECTION

Page No

Brought Forward from Page

157

158

Carried To Section Summary

R

Section No. 4

Bill No. 3

Renovations

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 4</u> <u>LOWER CULUNCA JUNIOR SECONDARY SCHOOL</u> <u>BILL NO. 4</u> <u>GARDEN AND BALUSTRADE WALLS</u> <u>PREAMBLES</u> The Tenderer is referred to the relevant Clause in the separate document Model Preambles for Trades (1999 Edition) published by the Association of South African Quantity Surveyors, the document "PW 371 - A Edition 2.1 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (Edition July 2014) and the Supplementary Preambles which are incorporated in these Bills of Quantities <u>EARTHWORKS (PROVISIONAL)</u> <u>Excavate in pickable material not exceeding 2m deep below natural or reduced ground level:</u>				
1	m ³	15		
<u>Extra over excavation in pickable material for column bases, trenches, lift pits, sumps, etc for excavation:</u>				
2	m ³	4		
3	m ³	1		
4	m ²	61		
5	Item			
<u>Earth filling obtained from the excavations and/or prescribed stock piles on site, compacted to 98% Mod AASHTO density</u>				
6	m ³	3		
7	m ²	26		
<u>Earth filling supplied by the contractor, compacted to 98% Mod AASHTO density</u>				
8	m ³	3		
Carried to Collection			R	
Section No. 4				
Bill No. 4				
Garden And Balustrade Walls				

161

Amount

SECTION NO. 4

LOWER CULUNCA JUNIOR SECONDARY SCHOOL

BILL NO. 4

GARDEN AND BALUSTRADE WALLS

COLLECTION

Page No

Brought Forward from Page

160

161

Carried To Section Summary

Section No. 4

Bill No. 4

Garden And Balustrade Walls

R

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 4</u> <u>LOWER CULUNCA JUNIOR SECONDARY SCHOOL</u> <u>BILL NO. 5</u> <u>V – DRAINS</u> <u>PREAMBLES</u> The Tenderer is referred to the relevant Clause in the separate document Model Preambles for Trades (1999 Edition) published by the Association of South African Quantity Surveyors, the document "PW 371 - A Edition 2.1 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (Edition July 2014) and the Supplementary Preambles which are incorporated in these Bills of Quantities <u>SUPPLEMENTARY PREAMBLES</u> <u>Nature of ground:</u> The nature of the ground is assumed to be loose sandy material, therefore 'earth', but possibly interspersed with 'soft rock' or 'hard rock' <u>Carting away of excavated material:</u> Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site <u>Filling:</u> Notwithstanding the reference to prescribed multiple handling in clause 1 page 6 of the Standard System of Measuring Building Work, prices for filling and backfilling shall include for all selection and any necessary multiple handling of material <u>Testing:</u> Prices for filling are to include for all necessary density tests in accordance with SABS 1200D <u>Cost of tests:</u> The costs of making, storing and testing of concrete test cubes as required under clause 7 Tests of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the principal agent. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval of the principal agent. (Test cubes are measured separately)				
Carried to Collection			R	
Section No. 4 Bill No. 5 V – Drains				

		Unit	Quantity	Rate	Amount
	<u>EXCAVATION ETC</u>				
	<u>Excavation in earth not exceeding 2m deep</u>				
1	Reduced levels under pavings	m ³	5		
	<u>Extra over all excavations for carting away</u>				
2	Surplus material from excavations and/or stock piles on site, to a dumping site to be located by the contractor	m ³	1		
	<u>FILLING ETC OTHER THAN BULK</u>				
	<u>Earth filling (G7 material) supplied by the contractor, compacted to 95% Mod AASHTO density</u>				
3	Under floors, steps, pavings, etc.	m ³	3		
	<u>Coarse river sand filling supplied by the contractor</u>				
4	Under pavings etc.	m ³	1		
	<u>Compaction of surfaces</u>				
5	Compaction of ground surface under floors etc. including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 98% Mod AASHTO density	m ²	22		
	<u>Prescribed density tests on filling</u>				
6	Modified AASHTO Density test	No	2		
	<u>DAMPPROOFING OF WALLS AND FLOORS</u>				
	<u>One layer 250 micron green polyethylene waterproof sheeting (SANS 952-1985 type C) sealed at laps with PVC self-adhesive tape</u>				
7	Under surface pavings etc.	m ²	22		
	<u>STORMWATER DRAINAGE (PROVISIONAL)</u>				
	<u>Precast or in-situ concrete (25 MPa) open stormwater channels having V-shaped waterway formed in top, finished smooth on all exposed surfaces in (3:1) untinted cement plaster trowelled smooth and with angles rounded, cast in maximum 3000mm lengths, and reinforced as necessary for handling if precast, including laying to falls, bedding and pointing in (3:1) cement mortar:</u>				
8	Channel size 700 x 230mm overall with 700 x 150mm deep v-channel waterway.	m	32		
9	Extra for angle.	No	3		
10	Extra for dressing around culverts (culverts measured elsewhere.	No	1		
	Carried to Collection			R	
	Section No. 4				
	Bill No. 5				
	V – Drains				

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Amount

SECTION NO. 4

LOWER CULUNCA JUNIOR SECONDARY SCHOOL

BILL NO. 5

V – DRAINS

COLLECTION

Page No

Brought Forward from Page

163

164

165

Carried To Section Summary

R

Section No. 4

Bill No. 5

V – Drains

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 4</u>				
<u>LOWER CULUNCA JUNIOR SECONDARY SCHOOL</u>				
<u>BILL NO. 6</u>				
<u>CONCRETE APRONS, WALKWAYS & RAMPS</u>				
<u>PREAMBLES</u>				
The Tenderer is referred to the relevant Clause in the separate document Model Preambles for Trades (1999 Edition) published by the Association of South African Quantity Surveyors, the document "PW 371 - A Edition 2.1 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (Edition July 2014) and the Supplementary Preambles which are incorporated in these Bills of Quantities				
<u>EARTHWORKS (PROVISIONAL)</u>				
<u>Excavate in pickable material not exceeding 2m deep below natural or reduced ground level:</u>				
1 Reduce levels under pavings.	m ³	1		
2 Allow for keeping excavations entirely free from water or mud.	Item			
<u>Earth filling obtained from the excavations and/or prescribed stock piles on site, compacted to 98% Mod AASHTO density</u>				
3 Scarify in-situ material for a depth of 150mm and compact to obtain 95% modified AASHTO dry density.	m ²	6		
<u>Earth filling (G7 material) supplied by the contractor, compacted to 95% Mod AASHTO density</u>				
4 Under floors, steps, pavings, etc.	m ³	4		
<u>CONCRETE, FORMWORK & REINFORCEMENT</u>				
<u>25MPa Mass concrete in:</u>				
5 Ramps	m ³	1		
6 Pavings.	m ³	1		
<u>Sundries:</u>				
7 Strike off and cure tops of surface beds laid in panels approximately 1000mm long x 1000mm wide to uniform levels including all necessary formwork to form toggle joints to temporary construction joints to falls.	m ²	9		
Carried to Collection			R	
Section No. 4				
Bill No. 6				
Concrete Aprons, Walkways & Ramps				

		Unit	Quantity	Rate	Amount
8	Extra for floating off smooth tops of surface beds laid in panels to brush finish including slightly rounded edges to panels.	m ²	9		
	<u>Expansion Joints:</u>				
9	12mm "Flexcell" or other approved cane fibre filler board in expansion joint between edge of concrete paving and walls in narrow widths not exceeding 150mm wide including tacking to face of wall.	m	12		
	<u>TEST CUBES</u>				
	<u>Test Cubes</u>				
10	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	1		
	<u>REINFORCEMENT (CPAP WORK GROUP NO. 114)</u>				
	<u>Fabric reinforcement</u>				
11	Type 617 fabric reinforcement in concrete surface beds etc	m ²	9		
	<u>DAMPPROOFING OF WALLS AND FLOORS</u>				
	<u>One layer 250 micron green polyethylene waterproof sheeting (SANS 952-1985 type C) sealed at laps with PVC self-adhesive tape</u>				
12	Under surface pavings etc.	m ²	9		
Carried to Collection				R	
Section No. 4					
Bill No. 6					
Concrete Aprons, Walkways & Ramps					

Amount

SECTION NO. 4

LOWER CULUNCA JUNIOR SECONDARY SCHOOL

BILL NO. 6

CONCRETE APRONS, WALKWAYS & RAMPS

COLLECTION

Page No

Brought Forward from Page

167

168

Carried To Section Summary

Section No. 4

Bill No. 6

Concrete Aprons, Walkways & Ramps

R

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 4</u> <u>LOWER CULUNCA JUNIOR SECONDARY SCHOOL</u> <u>BILL NO. 7</u> <u>SOAKAWAYS & CULVERTS</u> <u>PREAMBLES</u> The Tenderer is referred to the relevant Clause in the separate document Model Preambles for Trades (1999 Edition) published by the Association of South African Quantity Surveyors, the document "PW 371 - A Edition 2.1 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (Edition July 2014) and the Supplementary Preambles which are incorporated in these Bills of Quantities <u>SUPPLEMENTARY PREAMBLES</u> <u>Filling:</u> Notwithstanding the reference to prescribed multiple handling in clause 1 page 6 of the Standard System of Measuring Building Work, prices for filling and backfilling shall include for all selection and any necessary multiple handling of material <u>Testing:</u> Prices for filling are to include for all necessary density tests in accordance with SABS 1200D <u>CULVERTS</u> <u>Culverts formed of uPVC pipes encased in concrete</u>				
1	m	3		
160mm Diameter concrete pipes in culverts laid in trenches not exceeding 1m deep including excavation on 100mm thick 25MPa concrete walkways, bedding in, backfilling, compaction and carting away				
Carried To Section Summary				R
Section No. 4 Bill No. 7 Soakaways & Culverts				

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 4</u>				
<u>LOWER CULUNCA JUNIOR SECONDARY SCHOOL</u>				
<u>BILL NO. 8</u>				
<u>GRADE R FENCING</u>				
<u>PREAMBLES</u>				
The Tenderer is referred to the relevant Clause in the separate document Model Preambles for Trades (1999 Edition) published by the Association of South African Quantity Surveyors, the document "PW 371 - A Edition 2.1 - Construction Works: Specifications, General Specification" as published by the Department of Public Works (Edition July 2014) and the Supplementary Preambles which are incorporated in these Bills of Quantities				
<u>THE FOLLOWING IN SECURITY FENCING</u>				
<u>Site clearance</u>				
1 Allow for clearing site for a width of 1m where fencing runs are to be erected including removing trees, shrubs, etc not exceeding 200mm girth, grubbing up roots and roughly levelling	m	87		
<u>Straining wires, fencing and razor wire</u>				
2 Four strands of 4mm Class'A' galvanised straining wires secured to fencing posts with doubled 2 mm galvanised wire inserted through hole in post and turned a minimum of four turns around straining wire and attached to straining frame at one end with not less than four turns at the other end to straining bolts (elsewhere measured).	m	87		
3 Fencing formed of 50 x 50 x 2.0mm diameter galvanised fencing 1 800mm high and fixed to each straining wire with 8 guage binding wire at 500mm centres including staking to ground with and including Y10 pegs at 900mm c/c between posts (straining wires elsewhere measured).	m	87		
<u>Posts</u>				
4 75mm Diameter galvanised steel intermediate fencing post, 2700mm fitted with a pressed steel mushroom cap, post fitted with 150 x 150 x 5mm base plate at bottom and set into the ground.	No	16		
5 150mm Ditto as standard post but embedded in 600 x 600 x 700mm high mass concrete (15MPa) base	No	6		
			R	
Carried to Collection				
Section No. 4 Bill No. 8 Grade R Fencing				

		Unit	Quantity	Rate	Amount
6	150mm Ditto as straining or corner posts, but fitted with two 75mm diameter galvanised steel raking stays and with top ends flattened and bolted through post with post embedded in 600 x 600 x 700mm high mass concrete (15MPa) base and stays embedded in 700 x 700 x 450mm high mass concrete (15MPa) base	No	3		
7	150mm Ditto as end/ gate post, but fitted with one 75mm diameter galvanised steel stay set raking and with top end flattened and bolted through post, with post embedded in 600 x 600 x 700mm mass concrete (15MPa) base and stay embedded in 700 x 700 x 450mm high mass concrete (15MPa) base with all base tops set raking (sloping)	No	5		
	<u>Gates</u>				
8	Security fence single gate, size 900 mm wide x 1800 mm high, formed of 50 mm diameter nominal bore x 2,2 mm wall thickness hot dip galvanised mild steel pipe framing all round with mitred and welded angles and middle rail, with 20mm diameter x 300mm long locking bolt welded on and a pair of heavy duty gate hooks for a 16mm band hinge pin welded on to gate and including a pair of 16mm band hinge pins bolted to gate posts	No	1		
9	Security fence single gate, size 1500 mm wide x 1800 mm high, formed of 50 mm diameter nominal bore x 2,2 mm wall thickness hot dip galvanised mild steel pipe framing all round with mitred and welded angles and middle rail, hung on pair of socketted and pinned hinges with pin 18mm in diameter and bolted to brick wall and with 20mm diameter x 300mm long locking bolt welded on.	No	1		
10	Double gate, size 6 000 mm wide x 1 800 mm high overall in two leaves, formed of 50 mm diameter nominal bore x 2.5 mm wall thickness hot dip galvanised mild steel pipe framing all round with 25 mm diameter nominal bore x 2.0 mm wall thickness diagonal and centre braces, scribed and welded into angles and at cross intersections, gate filled with 50 x 50 x 2,0mm galvanised wire diamond mesh, with two 50 mm diameter nominal bore x 3,25 mm wall thickness security posts each 600 mm long with one end welded to top rail of gate and closure plate to other end, each leaf fitted with two 25 mm diameter x 300 mm long eyebolt hinges and stops including all holes, etc., welded or bolted to adjoining galvanised gatepost with and including 500 mm long approved chain spot welded to gate and 200 x 200 x 300mm thick 25MPa concrete concrete block with a 19mm x 100mm long galvanised steel pipe as keep for gate bolt	No	1		
	Carried to Collection			R	
	Section No. 4				
	Bill No. 8				
	Grade R Fencing				

	Unit	Quantity	Rate	Amount
<u>Locks</u> 11 50mm "Viro" or other equally approved padlocks for external use.	No	3		
Carried to Collection			R	
Section No. 4 Bill No. 8 Grade R Fencing				

173

Amount

SECTION NO. 4

LOWER CULUNCA JUNIOR SECONDARY SCHOOL

BILL NO. 8

GRADE R FENCING

COLLECTION

Page No

Brought Forward from Page

171

172

173

Carried To Section Summary

R

Section No. 4

Bill No. 8

Grade R Fencing

Amount

SECTION NO. 4

LOWER CULUNCA JUNIOR SECONDARY SCHOOL

BILL NO. 9

PROVISIONAL SUMS

PROVISIONAL SUMS

Supplementary Preambles

Tenderers are advised that no claim in respect of loss of profit or Preliminary charges based on the omission of these amounts will be considered and the said amounts will be omitted strictly without any financial compensation payable to the Contractor.

Provisional sums and Budgetary allowances contained herein may be omitted or reduced at the Employer's discretion and the Contractor shall not be entitled to claim for any loss by way of reductions or omission of any discount, or percentage relating to Provisional amounts and Budgetary sums or any loss of profit related thereto.

BUDGETARY ALLOWANCES

Sundry building work

- 1 Provide the sum of R22 500.00 for the employment of a Community Liaison Officer to be employed by the Main Contractor and be paid an allowance of R7 500.00 a month for the duration (3 months)

Item 22 500 00

- 2 Profit

Item

- 3 Attendance

Item

- 4 Provide the sum of R30 000. 00 for the hire, maintenance and servicing of temporary toilets for educators and learners during the entire constructions period

Item 30 000 00

- 5 Profit

Item

- 6 Attendance

Item

Contingencies

- 7 Allow the Amount of R14 000.00 (Fourteen Thousand Rands) for contingencies, to be used by the Architect in terms of Clause 17 of the Principal Building Agreement.

Item 14 000 00

Carried To Section Summary

R

Section No. 4

Bill No. 9

Provisional Sums

Amount

SECTION NO. 4
LOWER CULUNCA JUNIOR SECONDARY SCHOOL
SECTION SUMMARY

Bill No.		Page
1	PRELIMINARIES	153
2	HEALTH AND SAFETY	156
3	RENOVATIONS	159
4	GARDEN AND BALUSTRADE WALLS	162
5	V – DRAINS	166
6	CONCRETE APRONS, WALKWAYS & RAMPS	169
7	SOAKAWAYS & CULVERTS	170
8	GRADE R FENCING	174
9	PROVISIONAL SUMS	175

Section No. 4
SECTION SUMMARY

Carried to Final Summary

R

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