				NIOR SECONEI		BOQ
ltom		Omitte Unit		Eastern Cape P Rate	rovince -	Cluster 3
Item No		Unit	Quantity	r dte		Amoun
	BILL NO. 1					
	PRELIMINARIES					
	<u>Disclaimer</u>					
	While the ASAQS aims to ensure that its publications represent best practice, the ASAQS does not accept or assume any liability or responsibility for any events or consequences thereof that derive from the use of the Preliminaries Master Bill. Such Master Bill is not exhaustive and is therefore only intended to provide general guidance to those who wish to make use of it. This publication is provided "as is" without warranty of any kind, either expressed or implied including but without limitation to warranties of merchantability, fitness for a particular purpose and non-infringement					
	BUILDING AGREEMENT AND PRELIMINARIES					
	The <b>JBCC</b> Series 2000 Principal Building Agreement (July 2007 edition 5.0 - reprint 1) prepared by the Joint Building Contracts Committee shall be the applicable building agreement, amended as hereinafter described					
	The <b>JBCC</b> Principal Building Agreement <b>Contract Data</b> EC and the JBCC Principal Building Agreement Contract Data CE form an integral part of this agreement					
	The ASAQS Preliminaries (November 2007 edition) published by the Assosiation of South African Quantity Surveyors for use with the said <b>JBCC</b> Principal Building Agreement shall be deemed to be incorporated in these <b>bills of quantities</b>					
	Contractors are referred to the abovementioned documents for the intent and meaning of each clause thereof					
	These clauses are hereinafter referred to by clause number and heading only. Where standard clauses or alternatives are not entirely applicable to this <b>agreement</b> such modifications, corrections or supplements as will apply are given under each relevant clause heading and such modifications, corrections or supplements shall take precedence notwithstanding anything contrary contained in the abovementioned documents					
	Where any item is not relevant to this specific agreement					
	such item is marked N/A (signifying "not applicable")					
	Carried to Collection Bill No. 1			R		
	Preliminaries					

		LM M	ALGAS SE	NIOR SECONEI	RY SCHOOL FINAL BOQ
		Omitte	d scope in	Eastern Cape P	Province - Cluster 3
Item		Unit	Quantity	Rate	Amount
No					
	PREAMBLES FOR TRADES				
	Contractor are to refer to The Standard Preambles to All Trades (WB 20) attached to these these Bills of Quantities and no claims arising from brevity of description of items fully described in the said Model Preambles will be entertained				
	Supplementary preambles are incorporated in these Bills				
	of Quantities to satisfy the requirements of this project.				
	Such supplementary preambles shall take precedence over the provisions of the said Model Preambles				
	The <b>contractor's</b> prices for all items throughout these <b>bills of quantities</b> must take account of and include for all of the obligations, requirements and specifications given in the said Model Preambles and in any supplementary preambles				
	PRICING OF PRELIMINARIES				
	Should the contractor select Option A in terms of sub- clause 3.2.1 in the <b>Contract Data - Contractor</b> to <b>Employer</b> (CE) for the purpose of adjustment of these <b>preliminaries</b> , the amount entered into the amount column in these <b>preliminaries</b> is to be divided into one or more of the three categories provided namely Fixed (F), Value Related (V) and Time Related (T)				
	SECTION A: PRINCIPAL BUILDING AGREEMENT				
	Definitions (A1)				
1	Clause 1.0 - Definitions and interpretation				
	The measuring system used for the preparation of the				
	bills of quantities is the Standard System of Measuring				
	Building Work (sixth edition, revised 1999) published by				
	the Association of South African Quantity Surveyors [1.1]				
	F: T:	ltem			
	Objective and preparation (A2 - A14)				
2	Clause 2.0 - Offer acceptance and performance obligations				
	F: T:	ltem			
	Carried to Collection			R	
l	Bill No. 1 Preliminaries			ĸ	

			ALGAS SE		RY SCHOOL FINA BO
		Omitte	d scope in	Eastern Cape F	Province - Cluster
ltem		Unit	Quantity	Rate	Amour
No					
3	Clause 3.0 - Documents				
	The <b>contract drawings</b> are as listed on the contents page of the Part C3.0: Scope of Works of the <b>Bills of Quantities.</b>				
	Provision is made in the summary page of these bills of				
	quantities for the inclusion of Value Added Tax (VAT).				
	The <b>principal agent</b> shall decide which portion of the <b>priced document</b> may be used as a specification of <b>materials and goods</b> or methods, if any [3.9]				
	F: V: T:	ltem			
4	Clause 4.0 - Design responsibility				
	F: V: T:	ltem			
5	Clause 5.0 - <b>Employer's</b> agents				
	F: V: T:	ltem			
6	Clause 6.0 - Contractor's site representative				
	F: V: T:	ltem			
	Carried to Collection			R	
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		LM M	RY SCHOOL FINAL BOQ		
		Omitte	d scope in	Eastern Cape F	Province - Cluster 3
Item		Unit	Quantity	Rate	Amount
No					
7	Clause 7.0 - Compliance with <b>laws</b> and regulations Without limiting the generality of the provisions of clause 7.0, the <b>contractor's</b> attention is drawn to the provisions of the Construction Regulations, 2003 issued in terms of the Occupational Health and Safety Act, 1993. It is				
	specifically stated that the <b>employer</b> shall prepare a documented health and safety specification for the <b>works</b> and that the <b>employer</b> shall ensure that the <b>contractor</b> has made provision for the cost of health and safety measures during the execution of the <b>works</b> . The <b>contractor</b> shall price opposite this item for compliance with the act and the regulations and the reasonable provisions of the aforementioned health and safety specification.				
8	Clause 8.0 - Works risk				
	F: V: T:	Item			
9	Clause 9.0 - Indemnities				
	F: V: T:	Item			
10	Clause 10.0 - General insurances				
	F: T:	Item			
11	Clause 11.0 - Special insurances				
	F: V: T:	Item			
12	Clause 12.0 - Effecting insurances				
	F: V: T:	Item			
13	Clause 13.0 - Assignment				
	F: T:	Item			
14	Clause 14.0 - Security				
	Execution (A15 - A23)				
15	Clause 15.0 - Preparation for and execution of the <b>works</b>				
16	Clause 16.0 - Site and access				
	Clause 16.7 - Known services Clause 16.8 - Protection of trees				
	F: V: T:	Item			
17	Clause 17.0 - Contract instructions				
	F: V: T:	Item			
	Carried to Collection			R	
	Bill No. 1 Preliminaries				

					BO
					Province - Cluster
Item		Unit	Quantity	Rate	Amou
No					
18	Clause 18.0 -Setting out of the <b>works</b>				
	The contractor shall notify the principal agent if any				
	encroachment 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 [18.1]				
	rectification of any such encloachments [10.1]				
	F: V: T:	Item			
19	Clause 19.0 - Temporary works and plant				
	Clause 19.1.1 - Enclosure of the works				
	Clause 19.1.2 - Office accommodation				
	Clause 19.2 - Advertising rights and notice boards				
	F: V: T:	Item			
20	Clause 20.0 Nominated autoentractors				
20	Clause 20.0 - Nominated subcontractors				
	F: V: T:	Item			
21	Clause 21.0 - Selected subcontractors				
	F: V: T:	Item			
		nom			
22	Clause 22.0 - Employer's direct contractors				
	F:	Item			
23	Clause 23.0 - Contractor's domestic subcontractors				
	F: V: T:	Item			
					<u> </u>
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	Preliminaries				1

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				Eastern Cape F		- Cluster 3
Item No		Unit	Quantity	Rate		Amount
NO	Completion (A24 - A30)					
24	Clause 24.0 - Practical completion					
	F: V: T:	Item				
25	Clause 25.0 - Works completion					
	F: T:	Item				
26	Clause 26.0 - Final completion					
	F: V: T:	Item				
27	Clause 27.0 - Latent defects liability period					
	F: T:	Item				
28	Clause 28.0 - Sectional completion					
	<u>N/A</u> F: V: T:	ltem				
29	Clause 29.0 - Revision of date for <b>practical completion</b>	nom				
	The removal and replacement of materials and/or workmanship which do not conform to the specification or the <b>contract drawings</b> shall not constitute grounds for the extension of the <b>construction period</b> nor for the adjustment of the <b>contract value</b> (Clause 29.3)					
	F: V: T:	Item				
30	Clause 30.0 - <b>Penalty</b> for late or non-completion					
	F: V: T:	Item				
	Carried to Collection			R		
	Bill No. 1 Preliminaries				<u> </u>	
	Payment (A31 - A35)					

		Omitte Unit	d scope in	Eastern Cape	BOG Province - Cluster 3
<b>No</b> 31					
31		Unit	Quantity	Rat	e Amoun
	Clause 31.0 - Interim payment				
	The inclusion of <b>materials and goods</b> stored off <b>site</b> in the amount authorised for payment in terms of clause 31.4 shall be at the sole discretion of the <b>principal agent</b> and such inclusion shall only be considered upon the provision, by the <b>contractor</b> , of an approved guarantee issued by a registered commercial bank. Clause 31.6.5 is therefore not applicable.				
	Materials and goods stored off <b>site</b> shall not be included in the amount authorised for payment [31.6.5]?				
	F: T:	Item			
32	Clause 32.0 - Adjustment to the <b>contract value</b>				
	All fluctuations in costs, with the exception of fluctuations in the rate of Value Added Tax, shall be for the account of the <b>contractor.</b>				
	Where prices are submitted by the <b>contractor</b> or <b>n/s</b> <b>subcontractor</b> during the progress of the <b>works</b> in respect of <b>contract instructions</b> or in regard to a claim under the terms of the <b>agreement</b> and notwithstanding the fact that such prices may be used in an interim <b>payment certificate</b> there is to be no presumption of acceptance. Should the principal agent wish to accept any such prices prior to the issue of the certificate of final completion. it shall be in writing.				
	The <b>contractor</b> shall not receive any mark-up for overheads and profit on any omission of tenant installation work or tenant installation work by others. Claims for loss of profit shall not be entertained.				
	F: V: T:	Item			
33	Clause 33.0 - Recovery of expense and loss				
	F: V: T:	Item			
34	Clause 34.0 - Final account and final payment				
35	Clause 35.0 - Payment to other parties				
	F: V: T:	Item			
	Carried to Collection Bill No. 1 Preliminaries			F	2
	Termination (A36 - A39)				

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4					Province - Cluster 3
tem No		Unit	Quantity	Rate	Amount
36	Clause 36.0 - Termination by <b>employer - contractor's</b> default				
	F: V: T:	Item			
37	Clause 37.0 - Termination by <b>employer</b> - loss and damage				
	F: V: T:	Item			
38	Clause 38.0 - Termination by <b>contractor - employer's</b> default				
	F: V: T:	Item			
39	Clause 39.0 - Termination - cessation of the works				
	F: V: T:	Item			
	Dispute (A40)				
40	Clause 40.0 - Settlement of disputes				
	F: V: T:	Item			
	Contract variables (A41 - A42)				
41	Clause 41.0 - Post tender provisions				
	The <b>contractor</b> is to complete before submission of his tender the <b>JBCC</b> Principal Building Agreement <b>Contract Data</b> CE				
	F: V: T:	Item			
42	Clause 42.0 - Contractual agreement				
	The required information of the <b>parties</b> and the amount of the <b>contract sum</b> shall be inserted in the <b>agreement</b> for signature of the <b>agreement</b> by the <b>parties</b>				
	F: T:	ltem			
	Carried to Collection Bill No. 1			R	
	Preliminaries				
	SECTION B: PRELIMINARIES				

				ENIOR SECONE	BO
				Eastern Cape I	
tem No		Unit	Quantity	Rate	Amour
	Definitions and interpretation (B1)				
43	Clause 1.0 - Definitions and interpretation				
	F: V: T:	Item			
	Documents (B2)				
44	Clause 2.1 - Checking of documents				
	F: V: T:	Item			
45	Clause 2.2 - Provisional bills of quantities				
	These <b>bills of quantities</b> are in multiple procurement format ie the "wet trades" - earthworks, concrete, formwork and reinforcement, precast concrete, masonry, waterproofing and sub-surface drainage - are provisionally measured and the subsequent trades are <b>budgetary allowances</b> and/or Selected/nominated subcontract amounts?				
	F: V: T:	Item			
46	Clause 2.3 - Availability of construction documentation				
	The <b>budgetary allowances</b> and selected/nominated subcontract amounts allocated for subsequent trades included in this <b>agreement</b> will be separately procured, based on multiple procurement of selected/nominated subcontractors during the <b>construction period</b> .				
	Previous work and adjoining properties (B3)				
47	Clause 3.1 - Previous work - dimensional accuracy				
	F: V: T:	Item			
48	Clause 3.2 - Previous work - defects				
	F: V: T:	Item			
49	Clause 3.3 - Inspection of adjoining properties				
	F: V: T:	Item			
	Carried to Collection			R	
	Bill No. 1				
	Preliminaries				
	Samples, shop drawings and manufacturer's instructions (B4)				

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		Omitte	d scope in	Eastern Cape	Province - Cl			
em		Unit	Quantity			mou		
0								
0 0	Clause 4.1 - Samples of materials							
F	F: V: T:	ltem						
1 (	Clause 4.2 - Workmanship samples							
F	F: V: T:	ltem						
2 (	Clause 4.3 - Shop drawings							
F	F: V: T:	Item						
3 (	Clause 4.4 - Compliance with manufacturer's instructions							
F	F: V: T:	Item						
0	Deposits and fees (B5)							
4 0	Clause 5.1 - Deposits and fees							
F	F: V: T:	ltem						
1	Temporary services (B6)							
5 0	Clause 6.1 - Water							
F	F: V: T:	Item						
6 0	Clause 6.2 - Electricity							
F	F: V: T:	Item						
7 (	Clause 6.3 - Telecommunication facilities							
	F: V: T:	Item						
8 0	Clause 6.4 - Ablution facilities							
F	F: T:	Item						
	Carried to Collection			F	R			
	Carried to Collection Bill No. 1 Preliminaries			F				

				NIOR SECONE		BO
				Eastern Cape F	rovince ·	
tem No		Unit	Quantity	Rate		Amour
	Prime cost amounts (B7)					
59	Clause 7.1 - Responsibility for <b>prime cost amounts</b>					
	Special attendance on n/s subcontractors (B8)					
60	Clause 8.1 - Special attendance					
	F: V: T:	Item				
	General (B9)					
61	Clause 9.1 - Protection of the <b>works</b>					
	F: V: T:	Item				
	Clause 9.2 - Protection/isolation of existing/sectionally					
62	occupied works					
	F: V:	lt a ma				
		Item				
63	Clause 9.3 - Security of the <b>works</b>					
	F: V:	Item				
		nem				
64	Clause 9.4 - Notice before covering work					
	F: V: T:	ltem				
~-		nom				
65	Clause 9.5 - Disturbance					
	F: V:	Item				
66						
00	Clause 9.6 - Environmental disturbance					
	The contractor shall comply with good practice in terms of environmental management.					
	F: V: T:	Item				
67	Clause 9.7 - Works cleaning and clearing					
	F: V: T:	Item				
	Carried to Collection			R		
	Bill No. 1			IX.		
	Preliminaries					

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		Omitte	a scope in	Eastern Cape P	rovince	- Cluster
em Io		Unit	Quantity	Rate		Amou
5						
8	Clause 9.8 - Vermin					
	<b>F</b> . <b>V</b> . <b>T</b>					
	F: V: T:	Item				
9	Clause 9.9 - Overhand work					
5						
	F: V: T:	Item				
	Carried to Collectio	n		R		
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	Bill No. 1					

		LM MALGAS SENIOR SECONERY SCHOOL FINAL BOO						
n		Omitte Unit	d scope in Quantity	Eastern Cape P Rate	rovince - Cluster 3 Amount			
<u></u>		Unit	Quantity	Nale	Amount			
	Schedule of variables (B10)							
	Information necessary for elections and completion of those clauses contained in the schedule which are necessary for tender purposes is given hereunder. Where no information is given it shall mean that no specific requirements are expected or that the clause is not relevant to this specific contract							
	10.1 - Provisional <b>bills of quantities</b> The quantities are provisional - No							
	10.2 - Availability of construction documentation Construction documentation is complete - Yes							
	10.3 - Previous work - dimensional accuracy							
	10.4 - Previous work - defects							
	10.5 - Inspection of adjoining properties							
	10.6 - Water							
	Option A (by <b>contractor</b> ) - Yes Option B (by <b>employer</b> - free of charge) - No Option C (by <b>employer</b> - metered) - No							
	10.7 - Electricity [7.3]							
	Option A (by <b>contractor</b> ) - Yes Option B (by <b>employer</b> - free of charge) - No Option C (by <b>employer</b> - metered) - No							
	10.8 - Telecommunications [7.4]							
	Telephone - Yes Facsimile - No E-mail - No							
	10.9 - Ablution facilities [7.5]							
	Option A (by <b>contractor</b> ) - Yes Option B (by <b>employer</b> ) - No							
	10.10 - Protection of the <b>works</b> [9.1]							
	10.11 - Protection/isolation of existing/sectionally occupied works [9.2]							
	Protection/isolation is required - Yes							
	10.12 - Disturbance [9.5]							
	10.13 - Environmental disturbance [9.6]							
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	Bill No. 1 Preliminaries							

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		Omitte	d scope in I	Eastern Cape F	BOQ Province - Cluster 3
Item		Unit	Quantity	Rate	
No					
	SECTION C: SPECIFIC PRELIMINARIES				
70	Site instructions				
	Contract instructions issued on <b>site</b> are to be recorded in triplicate in a site instruction book which is to be maintained on <b>site</b> by the <b>contractor</b>				
	F: V: T:	Item			
71	Warranties for materials and workmanship				
	Where warranties for materials and/or workmanship are called for, the <b>contractor</b> shall obtain a written warranty, addressed to the <b>employer</b> , from the firm supplying the materials and/or doing the work and shall deliver same to the on the <b>final completion</b> of the contract. The warranty shall state that workmanship, materials and installation are warranteed for a specific period from the date of <b>final</b> completion and that any <b>defects</b> that may arise during the specified period shall be made good at the expense of the firm supplying the materials and/or doing the work, upon written notice to do so. The warranty will not be enforced if the work is damaged by <b>defects</b> in the construction of the building in which case the responsibility for replacement shall rest entirely with the <b>contractor</b>				
	F: V: T:	Item			
72	Co-operation of the <b>contractor</b> for cost management				
	It is specifically agreed that the <b>contractor</b> accepts the obligation of assisting the <b>principal agent</b> in implementing proper cost management. The <b>contractor</b> will be advised by the <b>principal agent</b> of all cost management procedures which will be implemented to ensure that the final building cost does not exceed the budget. The <b>principal agent</b> undertakes to make available to the <b>contractor</b> all <b>budgetary allowances</b> and cost assessments/reports to enable the proper procedure to be implemented and the contractor shall attend all cost plan review and cost management meetings. The contractor undertakes to extend these procedures, as necessary, to all subcontractors				
	F: T:	ltem			
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		Omitto	d seens in	Eastorn Cano P	BOQ Province - Cluster 3
Item		Unit			rovince - Cluster 3 Amount
No					
73	Propping of floors below				
	The <b>contractor</b> is advised that propping of floors below may be required if he wishes to use any areas of completed suspended reinforced concrete slabs for vehicle access, storage of <b>materials and goods</b> and location of plant, scaffolding, etc. The location of these areas and any necessary propping shall be approved by the principal agent and the cost thereof shall be borne by the contractor				
	F: V: T:	Item			
74	Testing of windows for water tightness				
	Each window shall be tested for water tightness with water sprayed on using adequate pressure. If in the opinion of the <b>principal agent</b> the pressure proves to be inadequate, then the pressure shall be boosted by means of compressed air or other approved means				
	F:	Item			
75	Testing of flat roof waterproofing for water tightness				
	Flat roof waterproof areas shall be prepared with small sand dykes around them of a size and enclosing an area approved by the <b>principal agent</b> , flooded with water and kept "ponded" for at least 36 hours as a test to ensure the water tightness of the waterproofing and before any further construction work is carried out above the waterproofing				
	F: V: T:	Item			
	SUMMARY OF CATEGORIES				
	Category : Fixed R				
	Category : Value R				
	Category : Time R				
	Carried to Collection			R	
	Bill No. 1				
	Preliminaries				

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~		Omitte	d scope in	Eastern Cape P	rovince - Cluste
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	Bill No. 1				
	Preliminaries				
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	COLLECTION	Page No			AMOUNT
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				ENIOR SECONE	Province - Cluste
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	BILL NO. 2				
	HEALTH AND SAFETY				
	MODEL PREAMLES				
	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				
	SUPPLEMENTARY PREAMBLES				
	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.				
	The items in this Bill do not contain quantities hence the Contractor must insert his own quantities based on his individual requirements to comply with the Health and Safety obligations and demands of the Occupational Health and Safety Act No. 85 of 1993, Construction Regulations 2014, other relevant Regulations and Standards as well as project specific Health & Safety Specifications.				
	The costs included herein must incorporate Community Liaison Officer (CLO).				
	OCCUPATIONAL HEALTH AND SAFETY				
	<u>General:</u>				
	Preparation of Contractor's site specific Health and Safety Plan.	Item	1		
	Submission of the Health and Safety File.	Item	1		
	Principal Contractor's initial obligations in respect of the OHS Act and Construction Regulations.	Item	1		
	Carried to Collection				
	Bill No. 2				
	Health and Safety			1	

		LM	MALGAS S	ENIOR SECON	ERY SCHOOL FINAL
em		Unit	Quantity		Province - Cluster 3 Amount
No		Unit	Quantity	Nate	Anoun
	Principal Contractor's time related obligations in respect				
4	of the OHS Act and Construction Regulations for the entire construction period.	ltem	1		
5	Provision of full time Health and Safety Officer for the entire construction period.	ltem	1		
6	Induction training of all personnel.	No	1		
7	Provision of first aid boxes.	No	1		
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	200		
0			200		
9	Extra over mesh fence for pedestrian gate size 1.8 x 1,8m high.	No	1		
	Provision for Personal Protective Equipment and Protective Clothing:				
11	Provision of Protective Equipment and clothing	Item	1		
	C16. Covid-19 Compliance Measures				
12	The Contractor is required to price for Covid 19 compliance and the pricing thereof shall be deemed to include all the mandatory requirements.	ltem	1		
	Carried to Collection Bill No. 2				
	Health and Safety				

		LM	MALGAS S	ENIOR SECON	ERY SCHOOL FINAL
ltem		Unit	Quantity	n Eastern Cape Rate	Province - Cluster 3 Amount
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	Health and Safety				
	COLLECTION	Page			
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	Health and Safety				
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					DNERY SCHOOL FINAL
ltem		Unit	Quantity	Rate	Amoun
No	BILL No. 3				
	SUNDRY BUILDERS WORK				
	CARPENTRY AND JOINERY				
	DOORS ETC				
	Wrought meranti doors hung to steel frames / wooden frame				
1	44mm Framed batten door 813 x 2032mm high of 44 x 150mm top rail and stiles, 22 x 150mm middle ledge and braces and 22 x 220mm bottom rail filled in with 22mm V-jointed one side boarding and covered on other side and including rebates all round	No	2.00		
	IRONMONGERY				
	LOCKS				
	Note: Locks to be suitable for and master and sub master keysystems				
	Union or similar approved				
2	50mm Padlock	No	2.00		
3	Three lever lockset	No	2.00		
	LETTERS, NAMEPLATES, PUSHPLATES, ETC				
	Assa Abloy' or other similar approved				
4	150 x 150mm engraved aluminium "male" indicator plate	No	3.00		
5	150 x 150mm engraved aluminium "female" indicator plate	No	3.00		
6	150 x 150mm engraved aluminium "Disabled" indicator plate	No	2.00		
	BATHROOM FITTINGS				
	"Vaal Paragon"				
7	32mm Type 9 back grab rail 800mm long plugged	No	2.00		
8	32mm Type 8 side grab rail 900mm girth plugged	No	2.00		
	Carried to Collection				
	Bill No. 3 Sundry Builders Work				

					NERY SCHOOL FINAL pe Province - Cluster 3
Item		Unit	Quantity	Rate	Amount
No					
9	Stainless steel bathroom fittings Free standing She Bin; manufactured from Grade 304 1,2/1,5mm Stainless Steel, satin finished with surface treatment. The container to have an approximately 20 litre capacity. METALWORK	No	9.00		
	GALVANISED STEEL GATES, SCREENS, ETC				
	Prepainted - Welded screens and gates				
10	Single gate and frame for opening $813 \times 2032$ mm high overall, the outer frame of $50 \times 50 \times 2,5$ mm hollow section bolted to wall with and including eight 70mm M80 expansion bolts and the gate $800 \times 2$ 038mm high of $60 \times 40 \times 2,0$ mm hollow section frame with two $60 \times 40 \times 2,0$ mm hollow section horizontal rails with 20mm diameter vertical rods at 110mm centers with 25mm diameter $\times$ 80mm long pin hinge, complete with 5pin upright double throw security mortice deadlock in 3mm steel plate housing	No	2.00		
	PLUMBING AND DRAINAGE (PROVISIONAL)				
	MODEL PREAMBLES				
	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				
	SANITARY FITTINGS				
	Rust and corrosion resistant, UV-resistant polyethylene pedestals, urinals, basins, etc. Product and colour to Principal Agent's approval:				
11	VIP 450 Toilet Seat to match existing	No	2.00		
	WASTE UNIONS ETC				
	Brass				
12	32mm Basin waste union	No	1.00		
13	38mm Urinal waste union with chromium plated dome	No	1.00		
	Carried to Collection Bill No. 3 Sundry Builders Work				

		LN Omi	I MALGAS	SENIOR SECC	DNERY SCHOOL FINA pe Province - Cluster
ltem No			Quantity		
NO	TRAPS ETC				
	<u>uPVC</u>				
14	38 x 50mm Deep seal trap	No	1.00		
	Chromium plated				
15	38 x 50mm Bottle trap	No	1.00		
	TAPS, VALVES, ETC				
	"Cobra watertech" or equal approved				
16	15mm Code KM 2.100 self closing pillar tap	No	1.00		
17	Flushmaster FJ6.000 urinal flush valve	No	1.00		
	SANITARY PLUMBING				
	PVC waste or vent pipes and fittings:				
18	50mm Waste pipe.	m	2.00		
	Extra for:				
19	50mm BSP adapator	No	2.00		
20	50mm Bend.	No	2.00		
21	50mm Access bend.	No	2.00		
	Carried to Collection				
	Bill No. 3 Sundry Builders Work				

		Omi	LM MALGAS SENIOR SECONERY SCHOOL FIN Omitted scope in Eastern Cape Province - Clust							
em			Quantity	Rate	Amount					
No										
	Bill No. 3									
	Sundry Builders Work									
	COLLECTION	Page No			AMOUNT					
	Total Brought Forward From page	-20-								
		-21-								
		-22-								
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	Carried to Final S	ummary		R						
	Bill No. 3 Sundry Builders Work									

			LM MALGAS SENIOR SECONERY SCHOOL FIN B			
					e Province - Clust	
tem No		Unit	Quantity	Rate	Amount	
	BILL No. 4					
	EXTERNAL WORKS (PROVISIONAL)					
	MODEL PREAMBLES					
	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					
	THE FOLLOWING IN ONE BRICK WALL (GARDEN WALL)					
	Excavation in earth not exceeding 2m deep:					
1	Trenches.	m3	92			
	Extra over trench and hole excavations in earth for excavation in					
2	Soft rock	m3	5			
3	Hard rock	m3	5			
	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.	m3	57			
	Risk of collapse of excavations:					
4	Sides of trench and hole excavations not exceeding 1,5m deep.	m2	306			
	Keeping excavations free of water					
5	Keeping excavations free of water	Item	1			
	Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 93% MOD AASHTO density:					
6	Backfilling to trenches, holes, etc.	m3	34			
	Compaction of surfaces					
7	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 90% Mod AASHTO density.	m2	153			
	Carried to Collection					
	Bill No. 4 External Works					

		LM MALGAS SENIOR SECONERY SCHOO					
		Om	itted scope	in Eastern Ca	ape Province - Cluster 3		
ltem		Unit	Quantity	Rate	Amount		
No							
	SOIL POISONING						
	Soil insecticide to be executed with SABS compliance by a firm of specialists under a 5 year guarantee						
8	To bottoms and sides of trenches, etc.	m2	459				
	REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES						
	25 Mpa/19mm Concrete						
9	Strip footings.	m3	38				
	Test blocks:						
10	Making and testing of 150x150x150mm concrete strength test cubes (Provisional).	No	4				
	Reinforcement (Provisional)						
11	High tensile steel reinforcement bars to structural concrete work.	t	3				
	BRICKWORK IN FOUNDATIONS.						
	Brickwork of NFX bricks (14 MPa nominal compressive strength) in Class I mortar (Cement to be 42.5N all-purpose cement):						
12	One brick walls.	m2	83				
	BRICKWORK IN SUPERSTRUCTURE						
	Brickwork of NFP bricks (14 MPa nominal compressive strength) in Class II mortar (Cement to be 42.5N all-purpose cement):						
13	One brick walls.	m2					
	Brickwork reinforcement:						
14	230mm Wide reinforcement built in horizontally.	m	1205				
15	Ditto but in foundations.	m	402				
	Carried to Collection Bill No. 4 External Works						

		LN	M MALGAS	SENIOR SECO	NERY SCHOOL FINAL BOQ
		Om	itted scope	in Eastern Cap	pe Province - Cluster 3
ltem			Quantity	Rate	Amount
No					
	FACE BRICK				
	"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):				
16	One brickwall faced on both sides.	m2	134		
	Brick-on-edge header course copings, sills, etc, of "Rustgold FBS/Qunu Travertine" or equal approved				
	face bricks pointed with recessed joints on all				
	exposed faces, 220mm wide sill set sloping and slightly projecting:				
17	230mm wide header course to top of one brick wall bedded and jointed in cement mortar and pointed on	m	255		
17	top and both sides as described.	m	200		
	Cast in-situ Ref 395 mesh reinforced concrete (25MPa) open stormwater channels having V-				
	shaped waterway formed in top, finished smooth				
	on all exposed surfaces in 3:1 cement plaster trowelled smooth and with angles rounded, cast in				
	suitable lengths not exceeding 2m, including all formwork, moulds, shallow excavation, filling and				
	ramming, laying to falls, bedding and pointing in 3:1 cement mortar. Concrete apron to be tinted,				
	colour to be specified by the Engineer.				
18	700 x 80mm thick V' channel 150mm deep in centre laid in position in ground in 2000mm sections including all formwork, reinforcement, expansion joints, smooth finishing to top of concrete surface etc.	m	270		
	Extra for 700mm angle.	No	42		
19	Extra for forming 200mm thick 700mm wide spreader with 200mm high edges fanning out to 1 960mm width at furthest end with hard burnt bricks pitching cast in as diffusers including working off concrete to a smooth finish and draining onto natural ground with 150 -	No	2		
	200mm diameter loose stones.				
	THE FOLLOWING IN WALKWAYS				
	<u>Demolish and remove</u>				
20	80mm thick ramps and walkways	m2	12		
	Carried to Collection				
	Bill No. 4 External Works				

		NERY SCHOOL FINAL BOQ			
		Om	itted scope	in Eastern Cap	e Province - Cluster 3
ltem		Unit	Quantity	Rate	Amount
No	Extra over all excavations for loading, carting and dumping surplus excavated material (no allowance made for increase in bulk):				
21	Off site to a dumping site to be found by the Contractor.	m3	1		
	Filling supplied by the contractor under floors, aprons, etc				
22	G7 Base course material compacted to 98% Mod AASHTO density	m3	3		
	Coarse river sand filling supplied by the contractor:				
23	Under floors etc.	m3	1		
	Compaction of surfaces:				
24	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 90% Mod AASHTO density.	m2	12		
	Prescribed density tests on filling:				
25	In-situ dry density test.				
	Reinforced 25Mpa/19mm Concrete:				
26	Ramps, Landings, etc.	m3	1		
	Finishing top surfaces of concrete smooth with a wood float:				
27	Surface beds, slabs, etc to falls and currents.	m2	12		
	Test blocks:				
28	Making and testing of 150x150x150mm concrete strength test cubes (Provisional).	No	4		
	Expansion joints with bitumen impregnated softboard between vertical concrete or brick surfaces:				
29	12mm Joints not exceeding 300mm high.	m	8		
	Carried to Collection Bill No. 4 External Works				

		LI	M MALGAS SI	ENIOR SECO	NERY SCHOOL FINA BO
		Om	Omitted scope in Eastern Cape Province - C		
ltem		Unit	Quantity	Rate	Amount
No	<u>Two-part grey polysulphide sealing compound</u> backing cord, bond breaker, primer, etc				
30	10 x 12mm In movement joints in floors or walls including raking out expansion joint filler as necessary.	m	15		
	Fabric reinforcement:				
31	REF. 395 fabric reinforcement in concrete surface beds, slabs, etc.	m2	12		
	Waterproofing under Surface beds				
32	350 Micron USB orange polyethylene dampproof membrane in accordance with SABS 952 Type C laid on sand bed (elsewhere measured).	m2	12		
	THE FOLLOWING IN DISABLED ACCESS RAMPS				
	Demolish and remove				
33	80mm thick ramps and walkways	m2	9		
	Extra over all excavations for loading, carting and dumping surplus excavated material (no allowance made for increase in bulk):				
34	Off site to a dumping site to be found by the Contractor.	m3	1		
	Filling supplied by the contractor under floors, aprons, etc				
35	G7 Base course material compacted to 98% Mod AASHTO density	m3	4		
	Reinforced 25Mpa/19mm Concrete:				
36	Ramps, Landings, etc.	m3	12		
	Test blocks:				
37	Making and testing of 150x150x150mm concrete strength test cubes (Provisional).	No	4		
	Expansion joints with bitumen impregnated softboard				
38	between vertical concrete or brick surfaces: 12mm Joints not exceeding 300mm high.	m	9		
00					
	Carried to Collection				
	Bill No. 4 External Works				

		LI	LM MALGAS SENIOR SECONERY SCHOOL FINA BO			
		Om	itted scope	in Eastern Cap	e Province - Cluster 3	
Item		Unit	Quantity	Rate	Amount	
Νο						
	Fabric reinforcement:					
39	REF. 395 fabric reinforcement in concrete surface beds, slabs, etc.	m2	9			
	Waterproofing under Surface beds					
40	350 Micron USB orange polyethylene dampproof membrane in accordance with SABS 952 Type C laid on sand bed (elsewhere measured).	m2	9			
	THE FOLLOWING IN STORMWATER DRAINAGE. APRONS ETC.					
	STORMWATER APRONS					
	Excavation not exceeding 2m deep					
41	Reducing levels and depositing excavated material inprescribed stock piles on site.	m3	4			
	Extra over all excavations for loadina, carting and dumping surplus excavated material (no allowance made for increase in bulk):					
42	Off site to a dumping site to be found by the Contractor.	m3	19			
	Filling supplied by the contractor under floors, aprons, ect					
43	G7 Base course material compacted to 98% ModAASHTO density	m3	8			
44	Over site of Selected Subgrade G5 material in accordance with SABS 1 200 DM in layers not exceeding 150mm thick and compacted to 95% Mod AASHTO density.	m3				
	Coarse river sand filling supplied by the contractor:					
45	Under floors etc.	m3				
	Compaction of surfaces:					
46	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 90% Mod AASHTO density.	m2	150			
	Prescribed density tests on filling.					
47	In-situ dry density test.	No	2			
	Carried to Collection Bill No. 4 External Works					

					NERY SCHOOL FINA BO
		Omitted scope in Eastern Cape Province - Cluste			
ltem No		Unit	Quantity	Rate	Amount
NO	Reinforced 25Mpa/19mm Concrete:				
40			12		
48	Surface beds cast in panels on waterproofing.	m3	13		
49	Edge thickening	m3	3		
	Finishing top surfaces of concrete smooth with a wood float:				
50	Surface beds, slabs, etc to falls and currents.	m2	150		
	Test blocks:				
51	Making and testing of 150x150x150mm concrete strength test cubes (Provisional).	No	4		
	Expansion joints with bitumen impregnated softboard between vertical concrete or brick surfaces:				
52	12mm Joints not exceeding 300mm high.	m	38		
	<u>Two-part grey polysulphide sealing compound</u> including backing cord, bond breaker. primer. Etc				
53	10 x 12mm In movement joints in floors or walls including raking out expansion joint filler as necessary.	m	15		
	Fabric reinforcement:				
54	REF. 395 fabric reinforcement in concrete surface beds, slabs, etc.	m2	150		
	Waterproofing under Surface beds				
55	350 Micron USB orange polyethylene dampproof membrane in accordance with SABS 952 Type C laid on sand bed (elsewhere measured).	m2	150		
	THE FOLLOWING IN SUB-SOIL DRAINAGE ETC.				
	Site Clearance. ETC				
56	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc	m2	120		
	Excavation in earth not exceeding 2m deep:				
57	Trenches.	m3	240		
	Carried to Collection Bill No. 4 External Works				

		LM MALGAS SENIOR SECONERY SCHOOL FINA BC				
		Om		n Eastern Cap	e Province - Cluster	
Item		Unit	Quantity	Rate	Amount	
No	Extra over all excavations for carting away:					
58	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the Contractor.	m3	11			
	Risk of collapse of excavations:					
59	Sides of trench and hole excavations not exceeding 1,5m deep.	m2	600			
	Earth filling obtained from the excavations and/or					
	prescribed stock piles on site opmpacted to 93% MOO AASHTO densitv:					
60	Backfilling to trenches, holes, etc.	m3	229			
	Earth filling 300 x 300mm section of 19mm thick stone material surrounding 110mm uPVC pipe.					
	supplied by the contractor compacted to 98% Mod AASHTO density:					
61	19mm Stone.	m3	8			
	<u>Membrane</u>					
62	"Geofabric filter blanket wrapped around stone with 150mm side and 300mm end laps, including stitching.	m2	156			
	Keeping excavations free of water:					
63	Keeping excavations free from mud and all water including subterranean sources.	ltem	1			
	Compaction of surfaces					
64	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 90% Mod AASHTO density.	m2	120			
	SOIL DRAINAGE					
	160mm Diameter perforated uPVC pipe surrounded with 300 x 300mm section of 20mm stone wrapped in A3 geotextile material.					
65	160mm uPVC pipe.	m	50			
	Extra for:					
66	160mm Tee.	No	2			
67	160mm Bend.	No	4			
	Carried to Collection Bill No. 4 External Works					

		LM MALGAS SENIOR SECONERY SCHOOL FINA BO			
14 -			Omitted scope in Eastern Cape Province - Cl		
Item No		Unit	Quantity	Rate	Amount
	THE FOLLOWING IN HEADWALLS				
68	Excavation not exceeding 2m deep.	m3			
69	Risk of collapse not exceeding 1,5m deep	m2			
70	Keeping excavations free from water	Item			
71	Carting away surplus excavated material	m3			
72	150mm layer of G7 material compacted to 95% MOD PASHTO under concrete slab.	m3			
73	150mm layer of G5 material compacted to 95% MOD AASHTO under concrete slab.	m3			
74	25Mpa/19mm Reinforced concrete in bottom slabs and footings.	m3			
75	Formwork to edges, risers, ends and reveals not exceeding 300mm wide or high.	m			
76	Weld Mesh Ref 193 in Concrete bottom slab.	m2			
77	One brick wall of 14 MPa NFX bricks.	m2			
78	230mm Wide reinforcement built in horizontally.	m			
	THE FOLLOWING IN SECURITY FENCING, ETC				
	Site clearance				
79	Allow for clearing site for the width of 1 000 mm where fencing is to be erected including removing trees, shrubs etc. not exceeding 200 mm girth, grubbing up roots and roughly levelling.	m2	120		
	Straining wires. fencing and razor wire:				
80	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	480		
81	3 Strands of galvanised barbed wire tied to standards, posts and eye bolts	m	360		
	Carried to Collection Bill No. 4 External Works				

		LM MALGAS SENIOR SECONERY SCHOOL FIN			
		Omitted scope in Eastern Cape Province - Cl			
Item No		Unit	Quantity	Rate	Amount
NO 82	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 Y 12 pegs at 900mm c/c between posts (straining wires elsewhere measured).	m	120		
	Posts for 1 800mm high security fence:				
83	60mm Diameter galvanised steel intermediate fencing post 3,000mm long fitted with a pressed steel mushroom cap one end and 150 x 150 x 5 mm baseplate at bottom and embedded in and including 350 x 350 x 600 mm mass concrete (15 MPa) base.	No	30		
84	100mm Ditto as corner post, fitted with two 50mm diameter galvanised steel stay set raking and with top end flattened and bolted through post, with post and stay both embedded in mass concrete (15 MPa) bases as last.	No	10		
85	150mm Ditto as gate post 3,000mm long, fitted with two 50mm diameter galvanised steel stay set raking and with top end flattened and bolted through post, with post and stay both embedded in mass concrete (15 MPa) bases as last.	No	0		
86	12mm Diameter galvanised mild steel straining eye bolt with hook, threaded portion and two nuts and washers.	No	20		
87	Form 12mm diameter hole through fence post.	No	80		
	<u>Gates:</u>				
88	Security fence single gate, size 1 000 mm wide x 2 400 mm high, formed of 50 mm diameter nominal bore x 3,25 mm wall thickness hot dip galvanised mild steel pipe framing all round with mitred and welded angles and cross braces mullion and transome, scribed and welded into angles and at cross intersections, 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, the gate covered with 100 x 50 x 2,5 mm weld mesh with four straining wires as before described and with four 2,37 mm four point core diameter single 0kampeonwires with crimped droppers to security posts as before described; including three strands flat wrap razor barbed tape wire fixed as before described, leaf fitted with three 24 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	No			
	Carried to Collection Bill No. 4 External Works				

		LM MALGAS SENIOR SECONERY SCHOOL FI			
		Om	itted scope i	n Eastern Cap	e Province - Clus
m		Unit	Quantity	Rate	Amount
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	Bill No. 4				
	External Works				
	COLLECTION	Page			AMOUNT
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		0.4			
	Total Brought Forward From page	-24-			
		-25-			
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		-28-			
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		-32-			
		-33-			
	Carried to Final Summary			R	
	Bill No. 4 External Works				

					ERY SCHOOL FINAL Province - Cluster 3
Item		Unit	Quantity	Rate	Amount
No	BILL No. 5	onne	Quantity	Nate	Anount
	PROVISIONAL SUMS				
	SUPPLEMENTARY PREAMBLES				
	I enderers 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 therto.				
	BUDGETARY ALLOWANCES				
	The following budgetary allowances are for work to be executed at rates in the bills of quantities or to be agreed by the Principal agent:				
	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)	ltem			22,500.00
	Profit and attendance on the above item	Item			
	LANDSCAPING				
	Provide the sum of R70 000. 00 for landscaping to be used as directed by the Principal Agent and deducted in whole or in part if not required	Item			70,000.00
	Profit and attendance on the above item	Item			
	HIRING OF ABLUTION FOR LEARNERS WHILE REPAIRS TAKING PLACE				
	Provide the sum of R30 000. 00 for landscaping to be used as directed by the Principal Agent and deducted in whole or in part if not required	Item			30,000.00
	Profit and attendance on the above item	Item			
	Carried to Final Summary			R	

		LM MALGAS SENIO	R SECONERY SCHOOL FINA BC
		Omitted scope in Eas	tern Cape Province - Cluster
Bill No		Page No	Amount
1	PRELIMINARIES	-16-	
2	HEALTH AND SAFETY	-19-	
3	SUNDRY BUILDERS WORK	-23-	
4	EXTERNAL WORKS (PROVISIONAL)	-34-	
5	PROVISIONAL SUMS	-35-	
	Sub-total		
	CONTINGENCY SUM		
6	Allow for 5% Contingencies for works, to be used as directed by the Project Manager and deducted in whole or in part if not required		
	Sub-total of works Excluding VAT		
	Value Added Tax @ 15%		
	Sub Total (VAT INCL.) CARRIED TO TENDER FORM		R