

MAIN SUMMARY FOR MATHUMBU & MAZIZINI

REF	SCHOOL NAME	AMOUNT
1	MATHUMBU Senior Secondary	
2	MAZIZINI High Secondary	
3	TOTAL CARRIED TO MAIN SUMMARY	
4	Add VAT at the rate of 15%	
5	TOTAL CARRIED TO FORM OF OFFER AND ACCEPTANCE	

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<b>ACTIVITY No.01 - PRELIMINARY &amp; GENERALS</b>	<b>H1</b>			
	"MEANING OF TERMS ""TENDER / TENDERER""	H2			
	"Any reference to the words Bid"" or ""Bidder"" herein and/or in any other documentation shall be construed to have the same meaning as the words ""Tender"" or ""Tenderer""."				
	PRELIMINARIES	H2			
	"The JBCC Preliminaries, May 2005 edition for use with the JBCC Principal Building Agreement (edition 4.1, March 2005) is deemed to be incorporated herein. Additions, deletions and alterations to the JBCC Principal Building Agreement as well as the schedule of variables have been incorporated in Part C1.2 the Contract Data section of this document. The Bidder is deemed to have referred to these documents for the full intent and meaning of each clause. These clauses are referred to by number and heading only. Where standard clauses or options are not applicable to the contract such modifications or corrections as are necessary are given under each relevant clause. Where an item is not relevant to this specific contract such item is marked. ""N/A"" signifying ""Not Applicable""."				
	PRICING OF PRELIMINARIES	H2			
	Should Option A, under clause 42.5.5 of Part C1.2 be used for the adjustment of preliminaries then each item priced is to be allocated to one or more of the three categories Fixed, Value Related or Time Related and the respective amounts entered in the spaces provided under each item.				
	Items not priced in these Preliminaries shall be deemed to be included elsewhere in these Bills of Quantities.				
	SECTION A: JBCC PRINCIPAL BUILDING AGREEMENT	H2			
	DEFINITIONS	H2			
	DEFINITIONS AND INTERPRETATION	H2			
	Clause 1.0				
1	Fixed..... Value Related..... Time Related..... Item		1		
	OBJECTIVE AND PREPERATION	H2			
	OFFER, ACCEPTANCE AND PERFORMANCE	H2			
	Clause 2.0				
2	Fixed..... Value Related..... Time Related..... Item				
	DOCUMENTS	H2			
	Clause 3.0				
3	Fixed..... Value Related..... Time Related..... Item				
	DESIGN RESPONSIBILITY	H2			
	Clause 4.0				
4	Fixed..... Value Related..... Time Related..... Item				

## EMPLOYER'S AGENTS

H2

### Clause 5.0

5 Fixed..... Value Related..... Time Related..... Item

## SITE REPRESENTATIVE

H2

### Clause 6.0

6 Fixed..... Value Related..... Time Related..... Item

## COMPLIANCE WITH REGULATIONS

H2

### Clause 7.0

7 Fixed..... Value Related..... Time Related..... Item

## WORKS RISK

H2

### Clause 8.0

8 Fixed..... Value Related..... Time Related..... Item

## INDEMNITIES

H2

### Clause 9.0

9 Fixed..... Value Related..... Time Related..... Item

## WORKS INSURANCES

H2

10 Fixed..... Value Related..... Time Related..... Item

## LIABILITY INSURANCES

H2

### Clause 11.0

11 Fixed..... Value Related..... Time Related..... Item

## EFFECTING INSURANCES

H2

### Clause 12.0

12 Fixed..... Value Related..... Time Related..... Item

### No clause

### Clause 13.0

13 Fixed..... Value Related..... Time Related..... Item

## SECURITY

H2

### Clause 14.0

14 Fixed..... Value Related..... Time Related..... Item

	EXECUTION			H2
	PREPERATION FOR AND THE EXECUTION OF THE WORKS			H2
	Clause 15.0			
15	Fixed.....	Value Related.....	Time Related.....	Item
	CONTRACT INSTRUCTIONS			H2
	Clause 17.0			
16	Fixed.....	Value Related.....	Time Related.....	Item
	SETTING OUT OF THE WORKS			H2
	Clause 18.0			
17	Fixed.....	Value Related.....	Time Related.....	Item
	ASSIGNMENT			H2
	Clause 19.0			
18	Fixed.....	Value Related.....	Time Related.....	Item
	NOMINATED SUBCONTRACTORS			H2
	Clause 20.0			
19	Fixed.....	Value Related.....	Time Related.....	Item
	SELECTED SUBCONTRACTORS			H2
	Clause 21.0			
20	Fixed.....	Value Related.....	Time Related.....	Item
	EMPLOYER'S DIRECT CONTRACTORS			H2
	Clause 22.0			
21	Fixed.....	Value Related.....	Time Related.....	Item
	CONTRACTOR'S DOMESTIC SUBCONTRACTORS			H2
	Clause 23.0			
22	Fixed.....	Value Related.....	Time Related.....	Item
	COMPLETION			H2
	PRACTICAL COMPLETION			H2
	Clause 24.0			
23	Fixed.....	Value Related.....	Time Related.....	Item
	WORKS COMPLETION			H2

	Clause 25.0			
24	Fixed.....	Value Related.....	Time Related.....	Item
	FINAL COMPLETION			H2
25	Fixed.....	Value Related.....	Time Related.....	Item
	LATENT DEFECTS LIABILITY PERIOD			H2
	Clause 27.0			
26	Fixed.....	Value Related.....	Time Related.....	Item
	SECTIONAL COMPLETION			H2
	Clause 28.0			
27	Fixed.....	Value Related.....	Time Related.....	Item
	REVISION OF DATE FOR PRACTICAL COMPLETION			H2
	Clause 29.0			
28	Fixed.....	Value Related.....	Time Related.....	Item
	PENALTY FOR NON-COMPLETION			H2
	Clause 30.0			
29	Fixed.....	Value Related.....	Time Related.....	Item
	PAYMENT			H2
	INTERIM PAYMENT TO THE CONTRACTOR			H2
	Clause 31.0			
30	Fixed.....	Value Related.....	Time Related.....	Item
	ADJUSTMENT TO THE CONTRACT VALUE			H2
	Clause 32.0			
31	Fixed.....	Value Related.....	Time Related.....	Item
	RECOVERY OF EXPENSE AND LOSS			H2
	Clause 33.0			
32	Fixed.....	Value Related.....	Time Related.....	Item
	FINAL ACCOUNT AND FINAL PAYMENT			H2
	Clause 34.0			
33	Fixed.....	Value Related.....	Time Related.....	Item

	PAYMENT TO OTHER PARTIES			H2
	Clause 35.0			
34	Fixed.....	Value Related.....	Time Related.....	Item
	CANCELLATION			H2
	CANCELLATION BY EMPLOYER - CONTRACTOR'S DEFAULT			H2
	Clause 36.0			
35	Fixed.....	Value Related.....	Time Related.....	Item
	CANCELLATION BY EMPLOYER - LOSS AND DAMAGE			H2
	Clause 37.0			
36	Fixed.....	Value Related.....	Time Related.....	Item
	CANCELLATION BY CONTRACTOR - EMPLOYER'S DEFAULT			H2
	Clause 38.0			
37	Fixed.....	Value Related.....	Time Related.....	Item
	CANCELLATION - CESSATION OF THE WORKS			H2
	Clause 39.0			
38	Fixed.....	Value Related.....	Time Related.....	Item
	DISPUTE			H2
	DISPUTE SETTLEMENT			H2
	Clause 40.0			
39	Fixed.....	Value Related.....	Time Related.....	Item
	SUBSTITUTE PROVISIONS			H2
	STATE CLAUSES			H2
	Clause 41.0			
40	Fixed.....	Value Related.....	Time Related.....	Item
	CONTRACT VARIABLES			H2
	SCHEDULE OF VARIABLES			H2
	Clause 42.0			
41	Fixed.....	Value Related.....	Time Related.....	Item
	Tenderers are referred to Part C1.2 Contract Data for variables pertaining to this contract			

	SECTION B:JBCC PRELIMINARIES		H2
	DEFINITIONS AND INTERPRETATION (B1)		H2
	Definitions and interpretation		
42	Fixed..... Value Related..... Time Related.....	Item	
	DOCUMENTS (B2)		H2
	Checking of documents		
43	Fixed..... Value Related..... Time Related.....	Item	
	Provisional bills of quantities		
44	Fixed..... Value Related..... Time Related.....	Item	
	Availability of construction documentation		
45	Fixed..... Value Related..... Time Related.....	Item	
	Interests of agents		
	See Schedule of Variables (B12)		
46	Fixed..... Value Related..... Time Related.....	Item	
	Priced documents		
	Notwithstanding the provisions of this clause, the contractor shall submit the priced documents within the time as stated in A42.4.4 of the Schedule of Contract Variables		
	Rates (items)		
	Where appropriate, rates for similar items in the various sections of these bills of quantities should be the same		
47	Fixed..... Value Related..... Time Related.....	Item	
	Tender submission		
	"This clause is amended by substituting ""JBCC Form of Tender"" with ""Official Form of Tender""."		
48	Fixed..... Value Related..... Time Related.....	Item	
	THE SITE (B3)		H2
	Defined works area		
49	Fixed..... Value Related..... Time Related.....	Item	
	Geotechnical investigation		
50	Fixed..... Value Related..... Time Related.....	Item	
	Inspection of the site		

51	Fixed.....	Value Related.....	Time Related.....	Item
	Existing premises occupied			
52	Fixed.....	Value Related.....	Time Related.....	Item
	Previous work - dimensional accuracy			
53	Fixed.....	Value Related.....	Time Related.....	Item
	Previous work - defects			
54	Fixed.....	Value Related.....	Time Related.....	Item
	Services - known			
55	Fixed.....	Value Related.....	Time Related.....	Item
	Services - unknown			
56	Fixed.....	Value Related.....	Time Related.....	Item
	Protection of trees			
57	Fixed.....	Value Related.....	Time Related.....	Item
	Articles of value			
58	Fixed.....	Value Related.....	Time Related.....	Item
	Inspection of adjoining properties			
	See Schedule of Variables (B12)			
59	Fixed.....	Value Related.....	Time Related.....	Item
	MANAGEMENT OF CONTRACT (B4)			
				H2
	Management of the Works			
	The Contractor shall obtain all necessary particulars of Subcontractors' work timeously so that provision for recesses, chases, holes, etc. can be made			
60	Fixed.....	Value Related.....	Time Related.....	Item
	Programme for the Works			
	Fixed.....	Value Related.....	Time Related.....	
	Progress meetings			
61	Fixed.....	Value Related.....	Time Related.....	Item
	Technical meetings			



62	Fixed.....	Value Related.....	Time Related.....	Item
	Labour and plant records			
63	Fixed.....	Value Related.....	Time Related.....	Item
	SAMPLES, SHOP DRAWINGS AND MANUFACTURER'S INSTRUCTIONS (B5)			H2
	Samples of materials			
64	Fixed.....	Value Related.....	Time Related.....	Item
	Workmanship samples			
65	Fixed.....	Value Related.....	Time Related.....	Item
	Shop drawings			
66	Fixed.....	Value Related.....	Time Related.....	Item
	Compliance with manufacturer's instructions			
67	Fixed.....	Value Related.....	Time Related.....	Item
	TEMPORARY WORKS AND PLANT (B6)			H2
	Deposits and fees (B6.1)			
68	Fixed.....	Value Related.....	Time Related.....	Item
	Enclosure of the works (B6.2)			
69	Fixed.....	Value Related.....	Time Related.....	Item
	Advertising (B6.3)			
	Advertisements on the hoarding or elsewhere on the site will be allowed, subject to the written approval of the Principal Agent			
70	Fixed.....	Value Related.....	Time Related.....	Item
	Plant, equipment, sheds and offices (B6.4)			
71	Fixed.....	Value Related.....	Time Related.....	Item
	Main noticeboard (B6.5)			
72	Fixed.....	Value Related.....	Time Related.....	Item
	Subcontractors' noticeboard (B6.6)			
73	Fixed.....	Value Related.....	Time Related.....	Item
	TEMPORARY SERVICES (B7)			H2
	Location			

74	Fixed.....	Value Related.....	Time Related.....	Item
	Water			
75	Fixed.....	Value Related.....	Time Related.....	Item
	Electricity			
76	Fixed.....	Value Related.....	Time Related.....	Item
	Telecommunication facilities			
77	Fixed.....	Value Related.....	Time Related.....	Item
	Ablution facilities			
78	Fixed.....	Value Related.....	Time Related.....	Item
	PRIME COST AMOUNTS (B8)			H2
	Responsibility for prime cost amounts			
79	Fixed.....	Value Related.....	Time Related.....	Item
	ATTENDANCE ON NOMINATED SUBCONTRACTORS (B9)			H2
	General attendance			
	In addition to the provisions of clause B9.1, the Contractor shall, at his own expense, provide the following additional general attendance:			
	Make good after Nominated Subcontractors			
80	Fixed.....	Value Related.....	Time Related.....	Item
	Special attendance			
81	Fixed.....	Value Related.....	Time Related.....	Item
	Commissioning - fuel, water and electricity			
82	Fixed.....	Value Related.....	Time Related.....	Item
	FINANCIAL ASPECTS (B10)			H2
	Statutory taxes, duties and levies			
	In addition to the provisions of clause B10.1, all individual amounts in these bills of quantities exclude Value Added Tax (VAT) VAT is to be calculated as a lump sum and added to the total of all values in the Final Summary under the item provided for VAT			
	Payment of preliminaries			
83	Fixed.....	Value Related.....	Time Related.....	Item
	Adjustment of preliminaries (B10.3)			

84	Fixed.....	Value Related.....	Time Related.....	Item
	Payment certificate cash flow (B10.4)			
85	Fixed.....	Value Related.....	Time Related.....	Item
	GENERAL (B11)			H2
	Protection of the Works (B11.1)			
86	Fixed.....	Value Related.....	Time Related.....	Item
	Protection/isolation of existing/sectionally occupied Works (B11.2)			
87	Fixed.....	Value Related.....	Time Related.....	Item
	Security of the works (B11.3)			
88	Fixed.....	Value Related.....	Time Related.....	Item
	Notice before covering work (B11.4)			
89	Fixed.....	Value Related.....	Time Related.....	Item
	Disturbance (B11.5)			
90	Fixed.....	Value Related.....	Time Related.....	Item
	Environmental disturbance (B11.6)			
91	Fixed.....	Value Related.....	Time Related.....	Item
	Works cleaning and clearing (B11.7)			
92	Fixed.....	Value Related.....	Time Related.....	Item
	Vermin (B11.8)			
93	Fixed.....	Value Related.....	Time Related.....	Item
	Overhand work (B11.9)			
94	Fixed.....	Value Related.....	Time Related.....	Item
	Instruction manuals and guarantees (B11.10)			
95	Fixed.....	Value Related.....	Time Related.....	Item
	As built information (B11.11)			
96	Fixed.....	Value Related.....	Time Related.....	Item
	Tenant installations (B11.12)			

97 Fixed..... Value Related..... Time Related..... Item

SECTION C: SPECIFIC PRELIMINARIES

H2

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

Contract drawings

The drawings issued with these Bid documents do not comprise the complete set but serves as a guide only for Bidding purposes and for indicating the scope of works to enable the Bidder to acquaint him 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 legible to the Bidder he shall, before submitting his Bid, obtain clarification in writing from the principal agent.

98 Fixed..... Value Related..... Time Related..... Item

Preambles

The works specifications that are applicable to the works are listed in Part C3.1: Scope of Work and shall be read in conjunction with the Bills of Quantities and be referred to for the full descriptions of work to be done and materials to be used.

99 Fixed..... Value Related..... Time Related..... Item

Trade Names

Wherever a Trade Name for any product has been described in the Bills of Quantities the Bidder's attention is drawn to the fact that any other product of equal quality may be used subject to the written approval of the principal agent being obtained prior If prior written approval for an alternative product is not obtained, the product described shall be deemed to have been Bidded for. to the closing date for submission of Bids.

100 Fixed..... Value Related..... Time Related..... Item

Imported Material and Equipment

Where imported items are listed in the Bid documents, the Bidder shall provide all the information called for, failing which the price of any such item, material or equipment shall be excluded from currency fluctuations. (Refer to T2.2 for the Schedule of Imported Materials and Equipment to be completed by the bidder)

Notwithstanding any provisions elsewhere regarding the adjustment of contract prices, the price of any item, material or equipment listed in terms of this clause shall be excluded from the Contract Price Adjustment Provision (CPAP) if applicable.

101 Fixed..... Value Related..... Time Related..... Item

Existing premises occupied

Refer to Scope of works Part C3 of this Bid Document for information on the occupation of existing buildings.

102 Fixed..... Value Related..... Time Related..... Item

Inaccurate and defective work executed under a previous contract

The contractor shall, after taking possession of the site and before commencing the work, check all levels, liners, profiles and the like and satisfy himself as to the dimensional accuracy of all work executed under the previous contract which may affect his work. Should any inaccurate or defective work be found, the contractor shall immediately notify the principal agent in writing requesting his instructions with regard thereto and afford every facility to those rectifying such inaccurate or defective work.

103 Fixed..... Value Related..... Time Related..... Item

Viewing the Site in security areas

Commencement of Works in security areas

If the works falls within a security area, the contractor must arrange with the responsible official and give the necessary notices before commencement of the works. Should the contractor fail to make such arrangements, admission to the site may be refused and any additional costs will be for the contractor's account.

104 Fixed..... Value Related..... Time Related..... Item

Entrance permits to security areas

If the works fall within a security area, the contractor shall obtain entrance permits for his personnel and workmen entering the area and shall comply with all regulations and instructions which may be issued from time to time regarding the protection of persons and property under control of the Authority.

105 Fixed..... Value Related..... Time Related..... Item

Security check of personnel

The principal agent may require the contractor to have his personnel and workmen, or a certain number of them, security classified.

In the event of the principal agent requesting the removal of a person or persons from the works for security reasons, the contractor shall do so forthwith and shall thereafter ensure that such person or persons are denied access to the works and the site and/or to any document or information relating to the works.

106 Fixed..... Value Related..... Time Related..... Item

Prohibition on taking of photographs

In terms of article 119 of the Defence Act, 44 of 1957, it is prohibited to sketch or to take photographs of any military site or installation or any building or civil works thereon or to be in possession of a camera or other apparatus used for taking photographs, except when authorised thereto by or on behalf of the Minister.

The same prohibition is also applicable to all Correctional Institutions in terms of article 44.1(e) of the Correctional Services Act 8 of 1959.

107 Fixed..... Value Related..... Time Related..... Item

Implementation of labour-intensive infrastructure projects under the Expanded Public Works Program (EPWP)

"The contractor shall comply with all requirements of the ""Code of Good Practice for Employment and Conditions of Work for Special Public Works Programmes"" issued in terms of the ""Basic Conditions of Employment Act, 1997 (Act No. 75 of 1997)"" and the related ""Ministerial Determination"", for the employment of locally employed temporary workers on a labour-intensive infrastructure project under the Expanded Public Works Programme (EPWP)"

Participation goals in relation to total labour requirements and the rate of pay per task/day are included in Part C3.1 - Scope of Work

The contractor shall maintain daily records with regard to the workers employed and shall on a monthly basis, submit a report to the principal agent in the prescribed format. Reporting templates are attached as annexures to Part C3.1 - Scope of Work.

108 Fixed..... Value Related..... Time Related..... Item

#### C10 OCCUPATIONAL HEALTH AND SAFETY ACT

H2

The contractor shall comply with all the requirements set out in the Construction Regulations, 2014 issued under the Occupational Health and Safety Act, 1993 (Act No 85 of 1993) It is required of the contractor to thoroughly study the Health and Safety Specification that must be read together with and is deemed to be incorporated under this Section of the bills of quantities / lump sum document The contractor must take note that compliance with the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is compulsory. In the event of partial or total non-compliance, the Employer, notwithstanding the provisions of clause A31.0 of Section A or any other clause to the contrary, reserves the right to delay issuing any progress payment certificate until the contractor provides satisfactory proof of compliance. The contractor shall not be entitled to any compensation of whatsoever nature, including interest, due to such delay of payment Provision for pricing of the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is made under this clause, as well as the clauses that follow hereafter and it is explicitly pointed out that all requirements of the aforementioned are deemed to be priced under these clauses and no additional claims in this regard shall be entertained

#### C10.2 OCCUPATIONAL HEALTH AND SAFETY

Provision of reflective vests

109 Fixed..... Value Related..... Time Related..... Item

#### C 10.3 OCCUPATIONAL HEALTH AND SAFETY

Principal contractor? If yes initial obligations in respect of the Health and Safety Act and Construction Regulations

110 Fixed..... Value Related..... Time Related..... Item

#### C 10.4 OCCUPATIONAL HEALTH AND SAFETY

Principal contractor? If yes time related obligations in respect of the Health and Safety Act and Construction Regulations

111 Fixed..... Value Related..... Time Related..... Item

#### C 10.5 PROVISION OF PERSONAL PROTECTIVE EQUIPMENT (PPE)

H2

Provision of reflective vests

112	Fixed.....	Value Related.....	Time Related.....	Item
	C 10.6 PROVISION OF PERSONAL PROTECTIVE EQUIPMENT (PPE)			H2
	Provision of hard hats			
113	Fixed.....	Value Related.....	Time Related.....	Item
	C 10.8 PROVISION OF PERSONAL PROTECTIVE EQUIPMENT (PPE)			H2
	Provision of earplugs			
114	Fixed.....	Value Related.....	Time Related.....	Item
	C 10.9 PROVISION OF PERSONAL PROTECTIVE EQUIPMENT (PPE)			H2
	Provision of dust masks			
115	Fixed.....	Value Related.....	Time Related.....	Item
	C 10.10 PROVISION OF PERSONAL PROTECTIVE EQUIPMENT (PPE)			H2
	Provision of gloves			
116	Fixed.....	Value Related.....	Time Related.....	Item
	C 10.11 PROVISION OF PERSONAL PROTECTIVE EQUIPMENT (PPE)			H2
	Provision of high visibility overalls to SARTSM Chapter 13 Level 3			
117	Fixed.	Value Related.	Time Related.....	Item
	C 10.12 PROVISION OF PERSONAL PROTECTIVE EQUIPMENT (PPE)			H2
	Provision of SANS approved ear defenders			
118	Fixed.....	Value Related.....	Time Related.....	Item
	C 10.15 PROVISION OF PERSONAL PROTECTIVE EQUIPMENT (PPE)			H2
	Provision of gloves			
119	Fixed.....	Value Related.....	Time Related.....	Item
	C10.21 OCCUPATIONAL HEALTH AND SAFETY			H2
	Provision of full time construction health and safety officer (SACPCMP Registered)			
120	Fixed.....	Value Related.....	Time Related.....	Item
	C10.22 OCCUPATIONAL HEALTH AND SAFETY			H2
	Medical certificates and medical surveillance including initial (baseline) medical examinations, periodic examinations, and exit examinations			
121	Fixed.....	Value Related.....	Time Related.....	Item
	C 10.23 OCCUPATIONAL HEALTH AND SAFETY			H2

	Medical screenings, examinations, etc			
122	Fixed.....	Value Related.....	Time Related.....	Item
	C 10.24 OCCUPATIONAL HEALTH AND SAFETY			H2
	Induction training			
123	Fixed.....	Value Related.....	Time Related.....	Item
	C 10.25 OCCUPATIONAL HEALTH AND SAFETY			
	Provision of first aid boxes to GSR requirements			
124	Fixed.....	Value Related.....	Time Related.....	Item
	C 10.26 OCCUPATIONAL HEALTH AND SAFETY			H2
	Noise monitoring including establishment of noise zones (plant), audiograms (personnel), etc			
125	Fixed.....	Value Related.....	Time Related.....	Item
	C10.27 OCCUPATIONAL HEALTH AND SAFETY			H2
	Submission of health and safety file			
126	Fixed.....	Value Related.....	Time Related.....	Item
	COVID 19 GUIDELINES			H2
	The contractor shall comply with all the requirements for Covid - 19 regulations			
127	Fixed.....	Value Related.....	Time Related.....	Item
	C12 LOCAL LABOUR			H2
	The contractor shall comply with the following targets with regard to the employment of local labour: For the general labour force, the minimum number of people to be employed for the duration of the project will be calculated from the formula below. Number of Employees=4*[(Contract Value in Rand)/R1,000,000] ??			
128	Fixed.....	Value Related.....	Time Related.....	Item
	C 13 USE OF LOCAL SMME? 11s			H2
	It is the requirement of the employer that the contractor enhances the use of SMME? 11s, as described in the Contract Data, on the project. The contractor shall employ SMME? 11s as domestic subcontractors on this project to execute work to Suitable monthly reports to substantiate compliance with the above requirements shall be submitted by the contractor to the Employer. the minimum value of 30% of the contract value.The Targeted Local Labour requirements described elsewhere shall apply mutatis mutandis to the employment of SMME? 11s.The contractor is to submit to the Employer details of his plan to achieve this aspect, within five working days of being instructed to do so, whereafter it must be implemented. Should the contractor fail to implement this requirement as indicated above, the Employer shall have the right to, without prejudice of any other rights, apply a penalty of not exceeding 5% of the contract sum.			



129 Fixed..... Value Related..... Time Related..... Item

#### HIV/AIDS Awareness

It is required of the contractor to thoroughly study the HIV/AIDS Specification (HIV 1 to HIV 4) of the Department of Public Works, which must be read together with and is deemed to be incorporated under this section of the Bills of Quantities. Provision for pricing of HIV/AIDS awareness is made under C13.1 to C13.5 hereafter and it is explicitly pointed out that all requirements of the aforementioned specification are deemed to be priced hereunder, as the said items represent the only method of measurement and no additional items or extras to the contract in this regard shall be entertained. The contractor must take note that compliance with the HIV/AIDS Specification is compulsory. In the event of partial or total non-compliance, the principal agent, notwithstanding the provisions of clause A31 of Section 1: Preliminaries (Section A) or any other clause to the contrary, reserves the right to delay issuing any progress payment certificate until the contractor provides satisfactory proof of compliance. The contractor shall not be entitled to any compensation of whatsoever nature, including interest, due to such delayed payment. The contractor's attention is drawn to paragraph 5.3 of C3.2 Specification For HIVAids Awareness - A penalty of 0.05% of Contract Sum for non-compliance can be levied.

130 Fixed..... Value Related..... Time Related..... Item

#### C13.1 Awareness Champion

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

131 Fixed..... Value Related..... Time Related..... Item

#### C13.2 Awareness Workshop

Selection and appointment of a Competent Service Provider approved by the principal agent, provision of a Service Provider Workshop Planner and a suitable venue, conducting of awareness workshops by means of traditional and/or modern multi-media techniques, including follow-up courses, making available all tuition material and performing assessment procedures, all in accordance with the HIV/AIDS Specification.

132 Fixed..... Value Related..... Time Related..... Item

#### C13.3 Posters, Booklets, Videos, etc.

H2

Provision, displaying, maintaining and replacing when necessary of four plastic laminated posters, booklets and educational videos, etc. for the duration of the construction period, all in accordance with the HIV/AIDS Specification.

133 Fixed..... Value Related..... Time Related..... Item

#### C13.4 Access to condoms

H2

Provision and maintenance of condom dispensers fixed in position, including male and female condoms, replenish male and female condoms on a daily basis as required for the duration of the construction period, all in accordance with the HIV/AIDS Specification.

134 Fixed..... Value Related..... Time Related..... Item

#### C13.5 Monitoring

Monitoring HIV/AIDS awareness of workers, providing the principal agent with access to information including making available all reports, thoroughly completed and reflecting the correct information, for the duration of the construction period, all in accordance with the HIV/AIDS Specification.

135 Fixed..... Value Related..... Time Related..... Item

#### Occupational Health and Safety Act

The contractor shall comply with all the requirements as set out in the Construction Regulations, 2014 issued under the Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)

Provisions of the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification are deemed to be priced hereunder and no additional claims in this regard shall be entertained

136 Fixed..... Value Related..... Time Related..... Item

#### C 14 USE OF LOCAL BUILDING MATERIALS H2

Preference shall be given to the supply of materials produced or manufactured in the Eastern Cape Province, and provided that:(a) Such materials comply in all respects with the specific requirements of PW371-A specification(b) The availability of such materials shall not adversely affect the desired progress of the specific works(c) The use of such materials shall not constitute grounds for any claim for increased cost in respect thereof(d) Local is hereby defined as the district in which the project(s) is/are located. Suitable monthly reports to substantiate compliance with the above requirements shall be submitted by the contractor to the Employer.

137 Fixed..... Value Related..... Time Related..... Item

#### C15 REPORTING BY CONTRACTOR H2

The contractor is required to complete the mandatory monthly contractor? || r's report which is to be submitted together with the contractor? || r's payment certificate. Payment to contractor shall be subject to the aforementioned being submitted timeously and accurately.

138 Fixed..... Value Related..... Time Related..... Item

#### C 16 COMMUNITY LIAISON OFFICER H2

The contractor shall employ during the construction period a community liaison officer. A provisional sum has been included in C2:2: Bills of Quantities for the salary of the community liaison officer, but the contractor shall allow for all other costs related to the employment of the community liaison officer such as but not limited to, toilet facilities, office space, supervision, stationery, safety clothing, etc.

139 Fixed..... Value Related..... Time Related..... Item

#### ACTIVITY No.02 - CONSTRUCTION OF A PLATFORM H1

1	Site clearance, digging all shrubs, small trees not exceed 300mm girth, dberis,	m2	2144
2	Strip 150mm layer of top soil and deposit in spoil heaps on site	m3	98
3	Excavate in earth to open face not exceeding 2m deep to reduce levels	m3	380
4	Cart away excess excavated material to authorised dump	m3	380

5	Extra over for excavation in soft rock	m3	55
6	Ditto but in hard rock	m3	56
7	Imported fill supplied by the contractor	m3	481
8	Scarify in-situ material to a depth of 150mm deep and compact to 96%	m2	2144
9	Modified AASHTO density tests on filling	no	8
10	Testing of soil mayreial	no	1

#### **ACTIVITY No.03 - PREFABRICATED MOBILE UNITS**

**H1**

##### **TEMPORARY MOBILE UNITS**

**H1**

##### **PREAMBLES**

NOTE: Tenderers are advised to study the Model Preambles for Trades before pricing this bill

"NOTE: Tenderers are referred to the relevant clauses in the separate documents; General Specification (PW 371-A) July 2013 and Particular Specification (PW 371B) July 2013 before pricing this bill"

##### **MOBILE UNITS**

**H2**

##### **TEMPORARY MODULAR CLASSROOMS**

1	Supply, transport, complete assembly and installation of single storey SANS approved New Mobile Prefabricated classrooms (minimum size of 60m2 each) equipped firmly fixed on top of a concrete slab with corrugated roof coverings with vinyl floor finishing, steel cupboards, minimum 2no per classroom, chalk boards, pinning boards, fire extinguishers, appropriate ceilings, light fittings, matching windows and doors complete with corresponding ironmongery, steel burglars to all windows and steel security gate to all external doors, enclosure to the suspended under floor void and steel steps at all external doors and verandah supported on appropriate steel poles.	No	4
2	Supply, transport, complete assembly and installation of single storey SANS approved New Mobile Prefabricated HOD office (minimum size of 48m2 each) equipped firmly fixed on a concrete slab with a corrugated roof coverings with vinyl floor finishing, steel cupboard, pinning boards, fire extinguishers, appropriate ceilings, light fittings, matching windows and doors complete with corresponding ironmongery, steel burglars to all windows and steel security gate to all external doors, enclosure to the suspended under floor void and steel steps at all external doors and verandah supported on appropriate steel poles.	No	0

#### **ACTIVITY NO.04 - CONCRETE CHANNELS**

**H1**

1	Construct 600 mm wide in-situ concrete V-channel, 150 mm thick, laid to approved m falls for stormwater drainage, inclusive of setting out and excavation to required depth, compaction of subgrade to 95% Mod AASHTO density, 75 mm thick G5 subbase compacted, In-situ cast concrete (25 MPa) channel with V-profile (formed to shape), minimum 150 mm thick, Y12 reinforcement as per engineer's detail (if required), formwork and all joints, chamfers, and edge trowel finish, brushing and curing of surface for durability, backfilling and compaction around sides all in compliance with SANS 1200C and SANS 1200G	m	152
2	Extra over for stopped ends, angles, intersections dressin into sides of catch pits	no	4
3	Extra over V-channel for widening concrete to form spreader 1800 wide extreme	no	4

4	Construct 600mm x 800mm x 1000 mm deep catch pit for stormwater drainage, including excavation, 15 MPa concrete base (100 mm thick), 220 mm thick class II brickwork walls in cement mortar (1:5), internal smooth plaster and float finish (1:3 cement plaster), heavy-duty precast concrete cover and frame (lockable if specified), 110 mm Ø uPVC inlet/outlet pipes (Class 34) cast into walls, grating (if required), benching to fall, backfilling, compaction and making good all finishes. Allow for all materials, labour, formwork, curing, and compliance with SANS 1200 and local authority regulations	no	4	
5	Supply, lay and bed 150 mm diameter uPVC pipe (Class 34) for stormwater drainage, laid to uniform gradient from catch pit to designated discharge point (throwaway), including excavation in all materials to required width and depth not exceeding 1.5m deep, bedding on 100 mm compacted river sand, pipe joints sealed with rubber ring or solvent weld as per manufacturer's instructions, laying to consistent falls and line as per civil drawings by the team, backfilling in layers and compaction to 93% Mod AASHTO, testing for watertightness and free flow, all fittings, bends, couplings and connections as required, to be compliant with SANS 791 and SANS 1200DB; Pipe to discharge not less than 20 metres from the designated safe disposal point, and contractor shall ensure proper erosion protection and environmental compliance at the outlet	m	180	
<b>ACTIVITY No.05 - REINFORCED CONCRETE TO VERANDAHS</b>		<b>H1</b>		
1	Excavation required for verandahs	item	1	
2	25Mpa concrete in surface beds and thickening	m3	8	
3	Soil insecticide under a 10 year guarantee by firm of specialist Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m2	58	
4	To bottoms and sides of trenches, bases, etc	m2	11	
5	Finish top of concrete pavings etc to a broom finish	m2	58	
6	Form joggle joint in concrete surface beds	m	28	
7	Saw cut joints in concrete surface beds size 3x50mm	m	28	
8	Rough formwork to edge not exceeding 300mm wide	m	77	
9	Mesh reinforcement Ref 193 in concrete surface beds	m2	58	
<b>ACTIVITY NO.06 - RAIN WATER TANKS</b>		<b>H1</b>		
NOTE : Unless otherwise stated herein all items in this bill shall be deemed to fall into Work Group No. 146 for Haylett Formula purposes.				
"NOTE : All excavations are measured as being in ""earth"" and/or filling compacted to 98% modified AASHTO density. "				
Supplementary Preambles		H1		
Labour Intensive methods (LI)				
The contractor will be required to use labour intensive methods for the items which have been marked with the letters LI as described in the Scope of Work.				
<b>OPEN STORMWATER DRAINAGE</b>		<b>H2</b>		
Earthworks				
1	Excavate in all materials not exceeding 2m deep to spoil	m3	4	
2	Extra over for excavations in soft rock	m3	1	

3	Excavation in hard rock	m3	0	
4	Risk of collapse to sides of trenches, etc not exceeding 1.5m deep	m2	22	
5	Load surplus or unsuitable material from spoil heaps and cart away to an authorised municipal dumping site	m3	1	
6	Earth filling from excavations and or stock piles in backfilling to trenches, etc and compact to 95% Mod AASHTO density	m3	2	
7	Imported fill supplied by the contractor under floors	m2	10	
8	Modified AASHTO density test on filling etc	no	2	
9	Install 25MPa concrete paving block lining to open 3m trapezoidal-drain			
10	25Mpa concrete in footings cast against excavated surfaces	m3	6	
11	25mpa concrete in surface beds	m3	2	
12	Rough formwork to edges not exceeding 300mm	m3	43	
13	Mesh reinforcement ref 193 in surface beds	m2	22	
14	One brick wall in stock brick	m2	43	
15	Extra over for face brick in selected face bricks (Assume PC sum of R5500/100 bricks delivered to site) and including labour	m2	30	
16	230mm wide facebrick on edge coping	m	43	
17	250 micron Gunplas USB green waterproofing sheeting under surface beds	m2	22	
18	30mm thick untinted grano screeds to floors	m2	22	
19	500l Polyurethane plastic molded vertical water storage tank complete with lid, fitted with and including 15mm brass bibtap with suitable adapter and setting in position on concrete stand and held down by tying wire wrapped twice around the centre of the tank and secured to each corner of tank stand with double strand of 4mm wire embed into concrete	no	1	
20	Hole through top of the tank lid for 100mm dia pipe	no	21	
21	30x1.6mm hoop iron tie secured around tank and 4 times built into concrete	no	21	
22	Clean down with spirits of salt solution and apply two coats silicone based dressing on external face bricks	m2	30	
<b>ACTIVITY NO.07 - ELECTRICAL INSTALLATIONS</b>		<b>H1</b>		
SUPPLEMENTARY PREAMBLES		H2		
"NOTE: The Tenderer is referred to the relevant Clause in the separate document ""Model Preambles for Trades"" (2008 Edition) and to the Supplementary Preambles which are incorporated hereunder."				
The Contractor shall allow for profit and attendance after each Prime Cost Sum. Where no allowance has been made by the Contractor, it shall be assumed the allowance shall have been included elsewhere in the rates for other works.		H4		
The following Provisional Sums are to be spent as directed by the Project Manager or deducted in whole or in part if not required				
Electrical Installations				

1	Provide an amount of R250 000 (Two Hundred and Fifty Thousand Rands) nett for Electrical supply and installation as instructed by Project Manager	Item	1
2	Add for profit	item	1
3	Allow for attendance	item	1
<b>ACTIVITY NO.08 - SUPPLY AND FIT FURNITURE IN CLASSROOMS</b>		<b>H1</b>	
Supply and fit of furniture to classrooms			
1	Secondary single combination desk including steel main frame. Saligna panels 600 x 400 x 750mm H	no	160
2	Teaches Desk, 2 drawers - natural Oak Melamine 1200 x 700 x 750mm high	no	4
3	Economy upholstered side chair; steel main frame, upolstered seat & back 450mm H	no	4
<b>ACTIVITY NO.09 - PROVISIONAL SUMS</b>		<b>H1</b>	
PROVISIONAL SUMS		H2	
<p>"NOTE: The Tenderer is referred to the relevant Clause in the seperate document ""Model Preambles for Trades"" (2008 Edition) and to the Supplementary Preambles which are incorporated hereunder."</p> <p>The Contractor shall allow for profit and attendance after each Provisional Sum. Where no allowance has been made by the Contractor, it shall be assumed the allowance shall have been included elsewhere in the rates for other works.</p> <p>The following Provisional Sums are to be spent as directed by the Project Manager or deducted in whole or in part if not required</p> <p><u>Community Liaison Officer</u></p>			
1	Provide an amount of R 42 000 (Four Two Thousand Rand ) for the employment and payment of community liaison officer for the duration of the project.	Item	1
2	Add for profit	Item	1
3	Allow for attendance	Item	1
<u>Graduate Trainee</u>			
4	Provide an amount of R 64 000 (Sixty Four Thousand Rand) for the employment and payment of Two Graduate trainees for the duration of the project.	Item	1
5	Add for profit	%IT	1
6	Allow for attendance	%IT	1
<b>ACTIVITY NO.10 - PROFESSIONAL SERVICE PROVIDER FOR THE PROJECT</b>		<b>H1</b>	
<b>Fully registered professional accoding the the releant councils employed for the duration of the Contract</b>			
1	Project Manager (SACPCMP)	item	1
2	Architect (SACAP)	item	1
3	Quantity Surveyor (SACQSP)	item	1
4	Electrical Engineer (ECSA)	item	1
5	Civil Engineer/Stucrural engineer (ECSA)	item	1
6	Health and Safety Consultant (CHSM SACPCMP)	item	1
7	Social Facilitator	item	1
8	Professional Services engaged for one tasks		
9	Geotech Engineer (ECSA)	item	1
10	Land Survyor	item	1

11	Note The Employer may request the competent Professional Team to be separated as an item entity and may be engaged directly by the Employer if so required during the duration of the contract	1		
<b>MAIN SUMMARY</b>				
1	Activity No.01 - Preliminary & Generals			
2	Activity No.02 - Construction Of A Platform			
3	Activity No.03 - Prefabricated Mobile Units			
4	Activity No.04 - Concrete Channels			
5	Activity No.05 - Reinforced Concrete To Verandahs			
6	Activity No.06 - Rain Water Tanks			
7	Activity No.07 - Electrical Installations			
8	Activity No.08 - Supply And Fit Furniture In Classrooms			
9	Activity No.09 - Provisional Sums			
10	Activity No.10 - Professional Service Provider For The Project			
	<b>SUB-TOTAL</b>			
	<b>Add Contingency</b>	<b>Item</b>		<b>505,000.00</b>
	<b>TOTAL CARRIED TO MAIN SUMMARY</b>	<b>ST</b>		

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<b>ACTIVITY No.01 - PRELIMINARY &amp; GENERALS</b>	<b>H1</b>			
	"MEANING OF TERMS ""TENDER / TENDERER""	H2			
	"Any reference to the words Bid"" or ""Bidder"" herein and/or in any other documentation shall be construed to have the same meaning as the words ""Tender"" or ""Tenderer""."				
	PRELIMINARIES	H2			
	"The JBCC Preliminaries, May 2005 edition for use with the JBCC Principal Building Agreement (edition 4.1, March 2005) is deemed to be incorporated herein. Additions, deletions and alterations to the JBCC Principal Building Agreement as well as the schedule of variables have been incorporated in Part C1.2 the Contract Data section of this document. The Bidder is deemed to have referred to these documents for the full intent and meaning of each clause. These clauses are referred to by number and heading only. Where standard clauses or options are not applicable to the contract such modifications or corrections as are necessary are given under each relevant clause. Where an item is not relevant to this specific contract such item is marked. ""N/A"" signifying ""Not Applicable""."				
	PRICING OF PRELIMINARIES	H2			
	Should Option A, under clause 42.5.5 of Part C1.2 be used for the adjustment of preliminaries then each item priced is to be allocated to one or more of the three categories Fixed, Value Related or Time Related and the respective amounts entered in the spaces provided under each item.				
	Items not priced in these Preliminaries shall be deemed to be included elsewhere in these Bills of Quantities.				
	SECTION A: JBCC PRINCIPAL BUILDING AGREEMENT	H2			
	DEFINITIONS	H2			
	DEFINITIONS AND INTERPRETATION	H2			
	Clause 1.0				
1	Fixed..... Value Related..... Time Related..... Item		1		
	OBJECTIVE AND PREPERATION	H2			
	OFFER, ACCEPTANCE AND PERFORMANCE	H2			
	Clause 2.0				
2	Fixed..... Value Related..... Time Related..... Item				
	DOCUMENTS	H2			
	Clause 3.0				
3	Fixed..... Value Related..... Time Related..... Item				
	DESIGN RESPONSIBILITY	H2			
	Clause 4.0				
4	Fixed..... Value Related..... Time Related..... Item				



ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	EMPLOYER'S AGENTS	H2			
	Clause 5.0				
5	Fixed..... Value Related..... Time Related..... Item				
	SITE REPRESENTATIVE	H2			
	Clause 6.0				
6	Fixed..... Value Related..... Time Related..... Item				
	COMPLIANCE WITH REGULATIONS	H2			
	Clause 7.0				
7	Fixed..... Value Related..... Time Related..... Item				
	WORKS RISK	H2			
	Clause 8.0				
8	Fixed..... Value Related..... Time Related..... Item				
	INDEMNITIES	H2			
	Clause 9.0				
9	Fixed..... Value Related..... Time Related..... Item				
	WORKS INSURANCES	H2			
10	Fixed..... Value Related..... Time Related..... Item				
	LIABILITY INSURANCES	H2			
	Clause 11.0				
11	Fixed..... Value Related..... Time Related..... Item				
	EFFECTING INSURANCES	H2			
	Clause 12.0				
12	Fixed..... Value Related..... Time Related..... Item				
	No clause				
	Clause 13.0				
13	Fixed..... Value Related..... Time Related..... Item				
	SECURITY	H2			
	Clause 14.0				

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
14	Fixed..... Value Related..... Time Related.....  EXECUTION  PREPERATION FOR AND THE EXECUTION OF THE WORKS  Clause 15.0	Item  H2  H2			
15	Fixed..... Value Related..... Time Related.....  CONTRACT INSTRUCTIONS  Clause 17.0	Item  H2			
16	Fixed..... Value Related..... Time Related.....  SETTING OUT OF THE WORKS  Clause 18.0	Item  H2			
17	Fixed..... Value Related..... Time Related.....  ASSIGNMENT  Clause 19.0	Item  H2			
18	Fixed..... Value Related..... Time Related.....  NOMINATED SUBCONTRACTORS  Clause 20.0	Item  H2			
19	Fixed..... Value Related..... Time Related.....  SELECTED SUBCONTRACTORS  Clause 21.0	Item  H2			
20	Fixed..... Value Related..... Time Related.....  EMPLOYER'S DIRECT CONTRACTORS  Clause 22.0	Item  H2			
21	Fixed..... Value Related..... Time Related.....  CONTRACTOR'S DOMESTIC SUBCONTRACTORS  Clause 23.0	Item  H2			
22	Fixed..... Value Related..... Time Related.....  COMPLETION  PRACTICAL COMPLETION  Clause 24.0	Item  H2  H2			

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
23	Fixed..... Value Related..... Time Related..... Item  WORKS COMPLETION  Clause 25.0	H2			
24	Fixed..... Value Related..... Time Related..... Item  FINAL COMPLETION  Clause 27.0	H2			
25	Fixed..... Value Related..... Time Related..... Item  LATENT DEFECTS LIABILITY PERIOD  Clause 27.0	H2			
26	Fixed..... Value Related..... Time Related..... Item  SECTIONAL COMPLETION  Clause 28.0	H2			
27	Fixed..... Value Related..... Time Related..... Item  REVISION OF DATE FOR PRACTICAL COMPLETION  Clause 29.0	H2			
28	Fixed..... Value Related..... Time Related..... Item  PENALTY FOR NON-COMPLETION  Clause 30.0	H2			
29	Fixed..... Value Related..... Time Related..... Item  PAYMENT  INTERIM PAYMENT TO THE CONTRACTOR  Clause 31.0	H2 H2			
30	Fixed..... Value Related..... Time Related..... Item  ADJUSTMENT TO THE CONTRACT VALUE  Clause 32.0	H2			
31	Fixed..... Value Related..... Time Related..... Item  RECOVERY OF EXPENSE AND LOSS  Clause 33.0	H2			
32	Fixed..... Value Related..... Time Related..... Item				

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	FINAL ACCOUNT AND FINAL PAYMENT	H2			
	Clause 34.0				
33	Fixed..... Value Related..... Time Related.....	Item			
	PAYMENT TO OTHER PARTIES	H2			
	Clause 35.0				
34	Fixed..... Value Related..... Time Related.....	Item			
	CANCELLATION	H2			
	CANCELLATION BY EMPLOYER - CONTRACTOR'S DEFAULT	H2			
	Clause 36.0				
35	Fixed..... Value Related..... Time Related.....	Item			
	CANCELLATION BY EMPLOYER - LOSS AND DAMAGE	H2			
	Clause 37.0				
36	Fixed..... Value Related..... Time Related.....	Item			
	CANCELLATION BY CONTRACTOR - EMPLOYER'S DEFAULT	H2			
	Clause 38.0				
37	Fixed..... Value Related..... Time Related.....	Item			
	CENCELLATION - CESSATION OF THE WORKS	H2			
	Clause 39.0				
38	Fixed..... Value Related..... Time Related.....	Item			
	DISPUTE	H2			
	DISPUTE SETTLEMENT	H2			
	Clause 40.0				
39	Fixed..... Value Related..... Time Related.....	Item			
	SUBSTITUTE PROVISIONS	H2			
	STATE CLAUSES	H2			
	Clause 41.0				
40	Fixed..... Value Related..... Time Related.....	Item			
	CONTRACT VARIABLES	H2			
	SCHEDULE OF VARIABLES	H2			

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	Clause 42.0				
41	Fixed..... Value Related..... Time Related..... Item				
	Tenderers are referred to Part C1.2 Contract Data for variables pertaining to this contract				
	SECTION B:JBCC PRELIMINARIES	H2			
	DEFINITIONS AND INTERPRETATION (B1)	H2			
	Definitions and interpretation				
42	Fixed..... Value Related..... Time Related..... Item				
	DOCUMENTS (B2)	H2			
	Checking of documents				
43	Fixed..... Value Related..... Time Related..... Item				
	Provisional bills of quantities				
44	Fixed..... Value Related..... Time Related..... Item				
	Availability of construction documentation				
45	Fixed..... Value Related..... Time Related..... Item				
	Interests of agents				
	See Schedule of Variables (B12)				
46	Fixed..... Value Related..... Time Related..... Item				
	Priced documents				
	Notwithstanding the provisions of this clause, the contractor shall submit the priced documents within the time as stated in A42.4.4 of the Schedule of Contract Variables				
	Rates (items)				
	Where appropriate, rates for similar items in the various sections of these bills of quantities should be the same				
47	Fixed..... Value Related..... Time Related..... Item				
	Tender submission				
	"This clause is amended by substituting ""JBCC Form of Tender"" with ""Official Form of Tender""."				
48	Fixed..... Value Related..... Time Related..... Item				
	THE SITE (B3)	H2			

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	Defined works area				
49	Fixed..... Value Related..... Time Related..... Item				
	Geotechnical investigation				
50	Fixed..... Value Related..... Time Related..... Item				
	Inspection of the site				
51	Fixed..... Value Related..... Time Related..... Item				
	Existing premises occupied				
52	Fixed..... Value Related..... Time Related..... Item				
	Previous work - dimensional accuracy				
53	Fixed..... Value Related..... Time Related..... Item				
	Previous work - defects				
54	Fixed..... Value Related..... Time Related..... Item				
	Services - known				
55	Fixed..... Value Related..... Time Related..... Item				
	Services - unknown				
56	Fixed..... Value Related..... Time Related..... Item				
	Protection of trees				
57	Fixed..... Value Related..... Time Related..... Item				
	Articles of value				
58	Fixed..... Value Related..... Time Related..... Item				
	Inspection of adjoining properties				
	See Schedule of Variables (B12)				
59	Fixed..... Value Related..... Time Related..... Item				
	MANAGEMENT OF CONTRACT (B4)	H2			
	Management of the Works				
	The Contractor shall obtain all necessary particulars of Subcontractors' work timeously so that provision for recesses, chases, holes, etc. can be made				
60	Fixed..... Value Related..... Time Related..... Item				

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	Programme for the Works				
	Fixed..... Value Related..... Time Related.....				
	Progress meetings				
61	Fixed..... Value Related..... Time Related..... Item				
	Technical meetings				
62	Fixed..... Value Related..... Time Related..... Item				
	Labour and plant records				
63	Fixed..... Value Related..... Time Related..... Item				
	SAMPLES, SHOP DRAWINGS AND MANUFACTURER'S INSTRUCTIONS (B5)	H2			
	Samples of materials				
64	Fixed..... Value Related..... Time Related..... Item				
	Workmanship samples				
65	Fixed..... Value Related..... Time Related..... Item				
	Shop drawings				
66	Fixed..... Value Related..... Time Related..... Item				
	Compliance with manufacturer's instructions				
67	Fixed..... Value Related..... Time Related..... Item				
	TEMPORARY WORKS AND PLANT (B6)	H2			
	Deposits and fees (B6.1)				
68	Fixed..... Value Related..... Time Related..... Item				
	Enclosure of the works (B6.2)				
69	Fixed..... Value Related..... Time Related..... Item				
	Advertising (B6.3)				
	Advertisements on the hoarding or elsewhere on the site will be allowed, subject to the written approval of the Principal Agent				
70	Fixed..... Value Related..... Time Related..... Item				
	Plant, equipment, sheds and offices (B6.4)				

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
71	Fixed..... Value Related..... Time Related.....  Main noticeboard (B6.5)	Item			
72	Fixed..... Value Related..... Time Related.....  Subcontractors' noticeboard (B6.6)	Item			
73	Fixed..... Value Related..... Time Related.....  TEMPORARY SERVICES (B7)  Location	H2			
74	Fixed..... Value Related..... Time Related.....  Water	Item			
75	Fixed..... Value Related..... Time Related.....  Electricity	Item			
76	Fixed..... Value Related..... Time Related.....  Telecommunication facilities	Item			
77	Fixed..... Value Related..... Time Related.....  Ablution facilities	Item			
78	Fixed..... Value Related..... Time Related.....  PRIME COST AMOUNTS (B8)  Responsibility for prime cost amounts	H2			
79	Fixed..... Value Related..... Time Related.....  ATTENDANCE ON NOMINATED SUBCONTRACTORS (B9)  General attendance  In addition to the provisions of clause B9.1, the Contractor shall, at his own expense, provide the following additional general attendance:  Make good after Nominated Subcontractors	H2			
80	Fixed..... Value Related..... Time Related.....  Special attendance	Item			
81	Fixed..... Value Related..... Time Related.....  Commissioning - fuel, water and electricity	Item			



ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
82	Fixed..... Value Related..... Time Related..... Item				
	FINANCIAL ASPECTS (B10)	H2			
	Statutory taxes, duties and levies				
	In addition to the provisions of clause B10.1, all individual amounts in these bills of quantities exclude Value Added Tax (VAT) VAT is to be calculated as a lump sum and added to the total of all values in the Final Summary under the item provided for VAT				
	Payment of preliminaries				
83	Fixed..... Value Related..... Time Related..... Item				
	Adjustment of preliminaries (B10.3)				
84	Fixed..... Value Related..... Time Related..... Item				
	Payment certificate cash flow (B10.4)				
85	Fixed..... Value Related..... Time Related..... Item				
	GENERAL (B11)	H2			
	Protection of the Works (B11.1)				
86	Fixed..... Value Related..... Time Related..... Item				
	Protection/isolation of existing/sectionally occupied Works (B11.2)				
87	Fixed..... Value Related..... Time Related..... Item				
	Security of the works (B11.3)				
88	Fixed..... Value Related..... Time Related..... Item				
	Notice before covering work (B11.4)				
89	Fixed..... Value Related..... Time Related..... Item				
	Disturbance (B11.5)				
90	Fixed..... Value Related..... Time Related..... Item				
	Environmental disturbance (B11.6)				
91	Fixed..... Value Related..... Time Related..... Item				
	Works cleaning and clearing (B11.7)				
92	Fixed..... Value Related..... Time Related..... Item				
	Vermin (B11.8)				

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
93	Fixed..... Value Related..... Time Related..... Item  Overhand work (B11.9)				
94	Fixed..... Value Related..... Time Related..... Item  Instruction manuals and guarantees (B11.10)				
95	Fixed..... Value Related..... Time Related..... Item  As built information (B11.11)				
96	Fixed..... Value Related..... Time Related..... Item  Tenant installations (B11.12)				
97	Fixed..... Value Related..... Time Related..... Item  SECTION C: SPECIFIC PRELIMINARIES  (Section C contains specific preliminary items which apply to this contract except where N/A (Not Applicable) appears against an item  Contract drawings  The drawings issued with these Bid documents do not comprise the complete set but serves as a guide only for Biding purposes and for indicating the scope of works to enable the Bidder to acquaint him 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 legible to the Bidder he shall, before submitting his Bid, obtain clarification in writing from the principal agent.	H2			
98	Fixed..... Value Related..... Time Related..... Item  Preambles  The works specifications that are applicable to the works are listed in Part C3.1: Scope of Work and shall be read in conjunction with the Bills of Quantities and be referred to for the full descriptions of work to be done and materials to be used.				
99	Fixed..... Value Related..... Time Related..... Item  Trade Names  Wherever a Trade Name for any product has been described in the Bills of Quantities the Bidder's attention is drawn to the fact that any other product of equal quality may be used subject to the written approval of the principal agent being obtained prior If prior written approval for an alternative product is not obtained, the product described shall be deemed to have been Bidded for. to the closing date for submission of Bids.				
100	Fixed..... Value Related..... Time Related..... Item  Imported Material and Equipment				

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<p>Where imported items are listed in the Bid documents, the Bidder shall provide all the information called for, failing which the price of any such item, material or equipment shall be excluded from currency fluctuations. (Refer to T2.2 for the Schedule of Imported Materials and Equipment to be completed by the bidder)</p> <p>Notwithstanding any provisions elsewhere regarding the adjustment of contract prices, the price of any item, material or equipment listed in terms of this clause shall be excluded from the Contract Price Adjustment Provision (CPAP) if applicable.</p>				
101	<p>Fixed..... Value Related..... Time Related..... Item</p> <p>Existing premises occupied</p> <p>Refer to Scope of works Part C3 of this Bid Document for information on the occupation of existing buildings.</p>				
102	<p>Fixed..... Value Related..... Time Related..... Item</p> <p>Inaccurate and defective work executed under a previous contract</p> <p>The contractor shall, after taking possession of the site and before commencing the work, check all levels, liners, profiles and the like and satisfy himself as to the dimensional accuracy of all work executed under the previous contract which may affect his work. Should any inaccurate or defective work be found, the contractor shall immediately notify the principal agent in writing requesting his instructions with regard thereto and afford every facility to those rectifying such inaccurate or defective work.</p>				
103	<p>Fixed..... Value Related..... Time Related..... Item</p> <p>Viewing the Site in security areas</p> <p>Commencement of Works in security areas</p> <p>If the works falls within a security area, the contractor must arrange with the responsible official and give the necessary notices before commencement of the works. Should the contractor fail to make such arrangements, admission to the site may be refused and any additional costs will be for the contractor's account.</p>				
104	<p>Fixed..... Value Related..... Time Related..... Item</p> <p>Entrance permits to security areas</p> <p>If the works fall within a security area, the contractor shall obtain entrance permits for his personnel and workmen entering the area and shall comply with all regulations and instructions which may be issued from time to time regarding the protection of persons and property under control of the Authority.</p>				
105	<p>Fixed..... Value Related..... Time Related..... Item</p> <p>Security check of personnel</p> <p>The principal agent may require the contractor to have his personnel and workmen, or a certain number of them, security classified.</p>				

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	In the event of the principal agent requesting the removal of a person or persons from the works for security reasons, the contractor shall do so forthwith and shall thereafter ensure that such person or persons are denied access to the works and the site and/or to any document or information relating to the works.				
106	Fixed..... Value Related..... Time Related..... Item  Prohibition on taking of photographs  In terms of article 119 of the Defence Act, 44 of 1957, it is prohibited to sketch or to take photographs of any military site or installation or any building or civil works thereon or to be in possession of a camera or other apparatus used for taking photographs, except when authorised thereto by or on behalf of the Minister.  The same prohibition is also applicable to all Correctional Institutions in terms of article 44.1(e) of the Correctional Services Act 8 of 1959.				
107	Fixed..... Value Related..... Time Related..... Item  Implementation of labour-intensive infrastructure projects under the Expanded Public Works Program (EPWP)  "The contractor shall comply with all requirements of the ""Code of Good Practice for Employment and Conditions of Work for Special Public Works Programmes"" issued in terms of the ""Basic Conditions of Employment Act, 1997 (Act No. 75 of 1997)"" and the related ""Ministerial Determination"", for the employment of locally employed temporary workers on a labour-intensive infrastructure project under the Expanded Public Works Programme (EPWP)"  Participation goals in relation to total labour requirements and the rate of pay per task/day are included in Part C3.1 - Scope of Work  The contractor shall maintain daily records with regard to the workers employed and shall on a monthly basis, submit a report to the principal agent in the prescribed format. Reporting templates are attached as annexures to Part C3.1 - Scope of Work.				
108	Fixed..... Value Related..... Time Related..... Item  C10 OCCUPATIONAL HEALTH AND SAFETY ACT  The contractor shall comply with all the requirements set out in the Construction Regulations, 2014 issued under the Occupational Health and Safety Act, 1993 (Act No 85 of 1993) It is required of the contractor to thoroughly study the Health and Safety Specification that must be read together with and is deemed to be incorporated under this Section of the bills of quantities / lump sum document The contractor must take note that compliance with the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is compulsory. In the event of partial or total non-compliance, the Employer, notwithstanding the provisions of clause A31.0 of Section A or any other clause to the contrary, reserves the right to delay issuing any progress payment certificate until the contractor provides satisfactory proof of compliance. The contractor shall not be entitled to any compensation of whatsoever nature, including interest, due to such delay of payment Provision for pricing of the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is made under this clause, as well as the clauses that follow hereafter and it is explicitly pointed out that all requirements of the aforementioned are deemed to be priced under these clauses and no additional claims in this regard shall be entertained	H2			
	C10.2 OCCUPATIONAL HEALTH AND SAFETY				

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	Provision of reflective vests				
109	Fixed..... Value Related..... Time Related..... Item				
	C 10.3 OCCUPATIONAL HEALTH AND SAFETY				
	Principal contractor?    r s initial obligations in respect of the Health and Safety Act and Construction Regulations				
110	Fixed..... Value Related..... Time Related..... Item				
	C 10.4 OCCUPATIONAL HEALTH AND SAFETY				
	Principal contractor?    r s time related obligations in respect of the Health and Safety Act and Construction Regulations				
111	Fixed..... Value Related..... Time Related..... Item				
	C 10.5 PROVISION OF PERSONAL PROTECTIVE EQUIPMENT (PPE)	H2			
	Provision of reflective vests				
112	Fixed..... Value Related..... Time Related..... Item				
	C 10.6 PROVISION OF PERSONAL PROTECTIVE EQUIPMENT (PPE)	H2			
	Provision of hard hats				
113	Fixed..... Value Related..... Time Related..... Item				
	C 10.8 PROVISION OF PERSONAL PROTECTIVE EQUIPMENT (PPE)	H2			
	Provision of earplugs				
114	Fixed..... Value Related..... Time Related..... Item				
	C 10.9 PROVISION OF PERSONAL PROTECTIVE EQUIPMENT (PPE)	H2			
	Provision of dust masks				
115	Fixed..... Value Related..... Time Related..... Item				
	C 10.10 PROVISION OF PERSONAL PROTECTIVE EQUIPMENT (PPE)	H2			
	Provision of gloves				
116	Fixed..... Value Related..... Time Related..... Item				
	C 10.11 PROVISION OF PERSONAL PROTECTIVE EQUIPMENT (PPE)	H2			
	Provision of high visibility overalls to SARTSM Chapter 13 Level 3				
117	Fixed. Value Related. Time Related..... Item				
	C 10.12 PROVISION OF PERSONAL PROTECTIVE EQUIPMENT (PPE)	H2			
	Provision of SANS approved ear defenders				

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
118	Fixed..... Value Related..... Time Related..... Item  C 10.15 PROVISION OF PERSONAL PROTECTIVE EQUIPMENT (PPE)  Provision of gloves	H2			
119	Fixed..... Value Related..... Time Related..... Item  C10.21 OCCUPATIONAL HEALTH AND SAFETY  Provision of full time construction health and safety officer (SACPCMP Registered)	H2			
120	Fixed..... Value Related..... Time Related..... Item  C10.22 OCCUPATIONAL HEALTH AND SAFETY  Medical certificates and medical surveillance including initial (baseline) medical examinations, periodic examinations, and exit examinations	H2			
121	Fixed..... Value Related..... Time Related..... Item  C 10.23 OCCUPATIONAL HEALTH AND SAFETY  Medical screenings, examinations, etc	H2			
122	Fixed..... Value Related..... Time Related..... Item  C 10.24 OCCUPATIONAL HEALTH AND SAFETY  Induction training	H2			
123	Fixed..... Value Related..... Time Related..... Item  C 10.25 OCCUPATIONAL HEALTH AND SAFETY  Provision of first aid boxes to GSR requirements				
124	Fixed..... Value Related..... Time Related..... Item  C 10.26 OCCUPATIONAL HEALTH AND SAFETY  Noise monitoring including establishment of noise zones (plant), audiograms (personnel), etc	H2			
125	Fixed..... Value Related..... Time Related..... Item  C10.27 OCCUPATIONAL HEALTH AND SAFETY  Submission of health and safety file	H2			
126	Fixed..... Value Related..... Time Related..... Item  COVID 19 GUIDELINES  The contractor shall comply with all the requirements for Covid - 19 regulations	H2			

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
127	Fixed..... Value Related..... Time Related..... Item				
	C12 LOCAL LABOUR	H2			
	<p>The contractor shall comply with the following targets with regard to the employment of local labour: For the general labour force, the minimum number of people to be employed for the duration of the project will be calculated from the formula below. Number of Employees=4*[(Contract Value in Rand)/R1,000,000] ??</p>				
128	Fixed..... Value Related..... Time Related..... Item				
	C 13 USE OF LOCAL SMME? 11s	H2			
	<p>It is the requirement of the employer that the contractor enhances the use of SMME? 11s, as described in the Contract Data, on the project. The contractor shall employ SMME? 11s as domestic subcontractors on this project to execute work to Suitable monthly reports to substantiate compliance with the above requirements shall be submitted by the contractor to the Employer. the minimum value of 30% of the contract value.The Targeted Local Labour requirements described elsewhere shall apply mutatis mutandis to the employment of SMME? 11s.The contractor is to submit to the Employer details of his plan to achieve this aspect, within five working days of being instructed to do so, whereafter it must be implemented. Should the contractor fail to implement this requirement as indicated above, the Employer shall have the right to, without prejudice of any other rights, apply a penalty of not exceeding 5% of the contract sum.</p>				
129	Fixed..... Value Related..... Time Related..... Item				
	<p>HIV/AIDS Awareness</p> <p>It is required of the contractor to thoroughly study the HIV/AIDS Specification (HIV 1 to HIV 4) of the Department of Public Works, which must be read together with and is deemed to be incorporated under this section of the Bills of Quantities. Provision for pricing of HIV/AIDS awareness is made under C13.1 to C13.5 hereafter and it is explicitly pointed out that all requirements of the aforementioned specification are deemed to be priced hereunder, as the said items represent the only method of measurement and no additional items or extras to the contract in this regard shall be entertained. The contractor must take note that compliance with the HIV/AIDS Specification is compulsory. In the event of partial or total non-compliance, the principal agent, notwithstanding the provisions of clause A31 of Section 1: Preliminaries (Section A) or any other clause to the contrary, reserves the right to delay issuing any progress payment certificate until the contractor provides satisfactory proof of compliance. The contractor shall not be entitled to any compensation of whatsoever nature, including interest, due to such delayed payment. The contractor's attention is drawn to paragraph 5.3 of C3.2 Specification For HIVAids Awareness - A penalty of 0.05% of Contract Sum for non-compliance can be levied.</p>				
130	Fixed..... Value Related..... Time Related..... Item				
	<p>C13.1 Awareness Champion</p> <p>Selection, appointment, briefing and making available of an Awareness Champion including provision of all relevant services, all in accordance with the HIV/AIDS Specification.</p>				
131	Fixed..... Value Related..... Time Related..... Item				

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	C13.2 Awareness Workshop				
	Selection and appointment of a Competent Service Provider approved by the principal agent, provision of a Service Provider Workshop Planner and a suitable venue, conducting of awareness workshops by means of traditional and/or modern multi-media techniques, including follow-up courses, making available all tuition material and performing assessment procedures, all in accordance with the HIV/AIDS Specification.				
132	Fixed..... Value Related..... Time Related..... Item				
	C13.3 Posters, Booklets, Videos, etc.	H2			
	Provision, displaying, maintaining and replacing when necessary of four plastic laminated posters, booklets and educational videos, etc. for the duration of the construction period, all in accordance with the HIV/AIDS Specification.				
133	Fixed..... Value Related..... Time Related..... Item				
	C13.4 Access to condoms	H2			
	Provision and maintenance of condom dispensers fixed in position, including male and female condoms, replenish male and female condoms on a daily basis as required for the duration of the construction period, all in accordance with the HIV/AIDS Specification.				
134	Fixed..... Value Related..... Time Related..... Item				
	C13.5 Monitoring				
	Monitoring HIV/AIDS awareness of workers, providing the principal agent with access to information including making available all reports, thoroughly completed and reflecting the correct information, for the duration of the construction period, all in accordance with the HIV/AIDS Specification.				
135	Fixed..... Value Related..... Time Related..... Item				
	Occupational Health and Safety Act				
	The contractor shall comply with all the requirements as set out in the Construction Regulations, 2014 issued under the Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)				
	Provisions of the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification are deemed to be priced hereunder and no additional claims in this regard shall be entertained				
136	Fixed..... Value Related..... Time Related..... Item				
	C 14 USE OF LOCAL BUILDING MATERIALS	H2			
	Preference shall be given to the supply of materials produced or manufactured in the Eastern Cape Province, and provided that:(a) Such materials comply in all respects with the specific requirements of PW371-A specification(b) The availability of such materials shall not adversely affect the desired progress of the specific works(c) The use of such materials shall not constitute grounds for any claim for increased cost in respect thereof(d) Local is hereby defined as the district in which the project(s) is/are located. Suitable monthly reports to substantiate compliance with the above requirements shall be submitted by the contractor to the Employer.				



ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
137	Fixed..... Value Related..... Time Related..... Item  C15 REPORTING BY CONTRACTOR  The contractor is required to complete the mandatory monthly contractor?    r's report which is to be submitted together with the contractor?    r's payment certificate. Payment to contractor shall be subject to the aforementioned being submitted timeously and accurately.	H2			
138	Fixed..... Value Related..... Time Related..... Item  C 16 COMMUNITY LIAISON OFFICER  The contractor shall employ during the construction period a community liaison officer. A provisional sum has been included in C2:2: Bills of Quantities for the salary of the community liaison officer, but the contractor shall allow for all other costs related to the employment of the community liaison officer such as but not limited to, toilet facilities, office space, supervision, stationery, safety clothing, etc.	H2			
139	Fixed..... Value Related..... Time Related..... Item  <b>ACTIVITY No.02 - CONSTRUCTION OF A PLATFORM</b> 1 Site clearance, digging all shrubs, small trees not exceed 300mm girth, dberis, 2 Strip 150mm layer of top soil and deposit in spoil heaps on site 3 Excavate in earth to open face not exceeding 2m deep to reduce levels 4 Cart away excess excavated material to authorised dump 5 Extra over for excavation in soft rock 6 Ditto but in hard rock 7 Imported fill supplied by the contractor 8 Scarify in-situ material to a depth of 150mm deep and compact to 96% 9 Modified AASHTO density tests on filling 10 Testing of soil mayreial	H1 m2 m3 m3 m3 m3 m3 m3 m2 no no	3216 147 570 570 83 85 722 3216 13 1		
	<b>ACTIVITY No.03 - PREFABRICATED MOBILE UNITS</b>  TEMPORARY MOBILE UNITS  PREAMBLES  NOTE: Tenderers are advised to study the Model Preambles for Trades before pricing this bill  "NOTE: Tenderers are referred to the relevant clauses in the separate documents; General Specification (PW 371-A) July 2013 and Particular Specification (PW 371B) July 2013 before pricing this bill"  MOBILE UNITS  TEMPORARY MODULAR CLASSROOMS	H1 H1			

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1	Supply, transport, complete assembly and installation of single storey SANS approved New Mobile Prefabricated classrooms (minimum size of 60m2 each) equipped firmly fixed on top of a concrete slab with corrugated roof coverings with vinyl floor finishing, steel cupboards, minimum 2no per classroom, chalk boards, pinning boards, fire extinguishers, appropriate ceilings, light fittings, matching windows and doors complete with corresponding ironmongery, steel burglars to all windows and steel security gate to all external doors, enclosure to the suspended under floor void and steel steps at all external doors and verandah supported on appropriate steel poles.	No	6		
2	Supply, transport, complete assembly and installation of single storey SANS approved New Mobile Prefabricated HOD office (minimum size of 48m2 each) equipped firmly fixed on a concrete slab with a corrugated roof coverings with vinyl floor finishing, steel cupboard, pinning boards, fire extinguishers, appropriate ceilings, light fittings, matching windows and doors complete with corresponding ironmongery, steel burglars to all windows and steel security gate to all external doors, enclosure to the suspended under floor void and steel steps at all external doors and verandah supported on appropriate steel poles.	No	0		
<b>ACTIVITY NO.04 - CONCRETE CHANNELS</b>		<b>H1</b>			
1	Construct 600 mm wide in-situ concrete V-channel, 150 mm thick, laid to approved m falls for stormwater drainage, inclusive of setting out and excavation to required depth, compaction of subgrade to 95% Mod AASHTO density, 75 mm thick G5 subbase compacted, In-situ cast concrete (25 MPa) channel with V-profile (formed to shape), minimum 150 mm thick, Y12 reinforcement as per engineer's detail (if required), formwork and all joints, chamfers, and edge trowel finish, brushing and curing of surface for durability, backfilling and compaction around sides all in compliance with SANS 1200C and SANS 1200G	m	228		
2	Extra over for stopped ends, angles, intersections dressin into sides of catch pits	no	6		
3	Extra over V-channel for widening concrete to form spreader 1800 wide extreme	no	6		
4	Construct 600mm x 800mm x 1000 mm deep catch pit for stormwater drainage, including excavation, 15 MPa concrete base (100 mm thick), 220 mm thick class II brickwork walls in cement mortar (1:5), internal smooth plaster and float finish (1:3 cement plaster), heavy-duty precast concrete cover and frame (lockable if specified), 110 mm Ø uPVC inlet/outlet pipes (Class 34) cast into walls, grating (if required), benching to fall, backfilling, compaction and making good all finishes. Allow for all materials, labour, formwork, curing, and compliance with SANS 1200 and local authority regulations	no	6		
5	Supply, lay and bed 150 mm diameter uPVC pipe (Class 34) for stormwater drainage, laid to uniform gradient from catch pit to designated discharge point (throwaway), including excavation in all materials to required width and depth not exceeding 1.5m deep, bedding on 100 mm compacted river sand, pipe joints sealed with rubber ring or solvent weld as per manufacturer's instructions, laying to consistent falls and line as per civil drawings by the team, backfilling in layers and compaction to 93% Mod AASHTO, testing for watertightness and free flow, all fittings, bends, couplings and connections as required, to be cmpliant with SANS 791 and SANS 1200DB;Pipe to discharge not less than 20 metres from the designated safe disposal point, and contractor shall ensure proper erosion protection and environmental compliance at the outlet	m	180		
<b>ACTIVITY No.05 - REINFORCED CONCRETE TO VERANDAHS</b>		<b>H1</b>			
1	Excavation required for verandahs	item	1		
2	25Mpa concrete in surface beds and thickening	m3	13		
	Soil insecticide under a 10 year guarantee by firm of specialist				

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
3	Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m2	88		
4	To bottoms and sides of trenches, bases, etc	m2	17		
5	Finish top of concrete pavings etc to a broom finish	m2	88		
6	Form joggle joint in concrete surface beds	m	42		
7	Saw cut joints in concrete surface beds size 3x50mm	m	42		
8	Rough formwork to edge not exceeding 300mm wide	m	116		
9	Mesh reinforcement Ref 193 in concrete surface beds	m2	88		
	<b>ACTIVITY NO.06 - RAIN WATER TANKS</b>	<b>H1</b>			
	NOTE : Unless otherwise stated herein all items in this bill shall be deemed to fall into Work Group No. 146 for Haylett Formula purposes.				
	"NOTE : All excavations are measured as being in ""earth"" and/or filling compacted to 98% modified AASHTO density. "				
	Supplementary Preambles	H1			
	Labour Intensive methods (LI)				
	The contractor will be required to use labour intensive methods for the items which have been marked with the letters LI as described in the Scope of Work.				
	OPEN STORMWATER DRAINAGE	H2			
	Earthworks				
1	Excavate in all materials not exceeding 2m deep to spoil	m3	6		
2	Extra over for excavations in soft rock	m3	2		
3	Excavation in hard rock	m3	1		
4	Risk of collapse to sides of trenches, etc not exceeding 1.5m deep	m2	33		
5	Load surplus or unsuitable material from spoil heaps and cart away to an authorised municipal dumping site	m3	2		
6	Earth filling from excavations and or stock piles in backfilling to trenches, etc and compact to 95% Mod AASHTO density	m3	4		
7	Imported fill supplied by the contractor under floors	m2	15		
8	Modified AASHTO density test on filling etc	no	3		
9	Install 25MPa concrete paving block lining to open 3m trapezoidal-drain				
10	25Mpa concrete in footings cast against excavated surfaces	m3	10		
11	25mpa concrete in surface beds	m3	4		
12	Rough formwork to edges not exceeding 300mm	m3	65		
13	Mesh reinforcement ref 193 in surface beds	m2	33		
14	One brick wall in stock brick	m2	65		
15	Extra over for face brick in selected face bricks (Assume PC sum of R5500/100 bricks delivered to site) and including labour	m2	46		

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
16	230mm wide facebrick on edge coping	m	65		
17	250 micron Gunplas USB green waterproofing sheeting under surface beds	m2	33		
18	30mm thcik untinted grano screeds to floors	m2	33		
19	500l Polyurethane plastic molded vertical water storage tank complete with lid, fitted with and including 15mm brass bibtap with suitable adapter and setting in position on concrete stand and held down by tying wire wrapped twice around the centre of the tank and secured to each corner of tank stand with double strand of 4mm wire embeed into concrete	no	1		
20	Hole though top of the tank lid for 100mm dia pipe	no	32		
21	30x1.6mm hoop iron tie secured around tank and 4 times built into concrete	no	32		
22	Clean down with spirits of saltss solution and apply two coats silicone based deressing on external face bricks	m2	46		
	<b>ACTIVITY NO.07 - ELECTRICAL INSTALLATIONS</b>	<b>H1</b>			
	SUPPLEMENTARY PREAMBLES	H2			
	<p>"NOTE: The Tenderer is referred to the relevant Clause in the seperate document ""Model Preambles for Trades"" (2008 Edition) and to the Supplementary Preambles which are incorporated hereunder."</p> <p>The Contractor shall allow for profit and attendance after each Prime Cost Sum. Where no allowance has been made by the Contractor, it shall be assumed the allowance shall have been included elsewhere in the rates for other works.</p> <p>The following Provisional Sums are to be spent as directed by the Project Manager or deducted in whole or in part if not required</p> <p>Electrical Installations</p>				
1	Provide an amount of R250 000 (Two Hundred and Fifty Thousand Rands) nett for Electrical supply and installation as instructed by Project Manager	Item	1		
2	Add for profit	item	1		
3	Allow for attendance	item	1		
	<b>ACTIVITY NO.08 - SUPPLY AND FIT FURNITURE IN CLASSROOMS</b>	<b>H1</b>			
	Supply and fit of furniture to classrooms				
1	Secondary single combination desk including steel main frame. Saligna panels 600 x 400 x 750mm H	no	240		
2	Teaches Desk, 2 drawers - natural Oak Melamine 1200 x 700 x 750mm high	no	6		
3	Economy upholstered side chair; steel main frame, upolstered seat & back 450mm H	no	6		
	<b>ACTIVITY NO.09 - PROVISIONAL SUMS</b>	<b>H1</b>			
	PROVISIONAL SUMS	H2			
	<p>"NOTE: The Tenderer is referred to the relevant Clause in the seperate document ""Model Preambles for Trades"" (2008 Edition) and to the Supplementary Preambles which are incorporated hereunder."</p>				

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	The Contractor shall allow for profit and attendance after each Provisional Sum. Where no allowance has been made by the Contractor, it shall be assumed the allowance shall have been included elsewhere in the rates for other works.	H4			
	The following Provisional Sums are to be spent as directed by the Project Manager or deducted in whole or in part if not required				
	<u>Community Liaison Officer</u>				
1	Provide an amount of R 42 000 (Four Two Thousand Rand ) for the employment and payment of community liaison officer for the duration of the project.	Item	1		
2	Add for profit	Item	1		
3	Allow for attendance	Item	1		
	<u>Graduate Trainee</u>				
4	Provide an amount of R 64 000 (Sixty Four Thousand Rand) for the employment and payment of Two Graduate trainees for the duration of the project.	Item	1		
5	Add for profit	%IT	1		
6	Allow for attendance	%IT	1		
	<b>ACTIVITY NO.10 - PROFESSIONAL SERVICE PROVIDER FOR THE PROJECT</b>	<b>H1</b>			
	<b>Fully registered professional accoding the the releant councils employed for the duration of the Contract</b>				
1	Project Manager (SACPCMP)	item	1		
2	Architect (SACAP)	item	1		
3	Quantity Surveyor (SACQSP)	item	1		
4	Electrical Engineer (ECSA)	item	1		
5	Civil Engineer/Stucrural engineer (ECSA)	item	1		
6	Health and Safety Consultant (CHSM SACPCMP)	item	1		
7	Social Facilitator	item	1		
8	Professional Services engaged for one tasks				
9	Geotech Engineer (ECSA)	item	1		
10	Land Survyor	item	1		
	Note				
11	The Employer may request the competent Professional Team to be separated as an entity and may be engaged directly by the Employer if so required during the duration of the contract	item	1		
	<b>MAIN SUMMARY</b>				
1	<b>Activity No.01 - Preliminary &amp; Generals</b>				
2	<b>Activity No.02 - Construction Of A Platform</b>				
3	<b>Activity No.03 - Prefabricated Mobile Units</b>				
4	<b>Activity No.04 - Concrete Channels</b>				
5	<b>Activity No.05 - Reinforced Concrete To Verandahs</b>				
6	<b>Activity No.06 - Rain Water Tanks</b>				
7	<b>Activity No.07 - Electrical Installations</b>				
8	<b>Activity No.08 - Supply And Fit Furniture In Classrooms</b>				
9	<b>Activity No.09 - Provisional Sums</b>				
10	<b>Activity No.10 - Professional Service Provider For The Project</b>				
	<b>SUB-TOTAL</b>				
	<b>Add Contingency</b>	<b>Item</b>			<b>R 725,000.00</b>
	<b>TOTAL CARRIED TO MAIN SUMMARY</b>	<b>ST</b>			

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
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