

CONSTRUCTION OF JTG SCHOOL - FENCING

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 1</u>			
	<u>BILL NO. 1</u>			
	<u>PRELIMINARIES AND GENERAL</u>			
	The JBCC General Preliminaries (May 2018) published by the Joint Building Contracts Committee for use with the JBCC Principal Building Agreement (Edition 6.2 - May 2018) shall be deemed to be incorporated in these bills of quantities Contractors are referred to the above mentioned documents for the full 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 contract 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 above mentioned documents			
	<u>PREAMBLES FOR TRADES</u>			
	The General Preambles for Trades (2017 edition) as published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these bills of quantities and no claims arising from brevity of description of items fully described in the said General Preambles will be entertained The following "Supplementary Preambles" are incorporated in this bill to satisfy the requirements of the project and shall take precedence over the provisions of the said General Preambles. 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 contractor's prices for all items throughout these bills of quantities 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			
	Carried Forward		R	
	Section No. 1 PRELIMINARIES Bill No. 1 PRELIMINARIES AND GENERAL			

CONSTRUCTION OF JTG SCHOOL - FENCING

Brought Forward		R
<u>PRICING OF PRELIMINARIES</u>		
The contractor is required to submit a detailed breakdown, calculation and cash flow over the anticipated contract period for preliminaries with tender submission. This cash flow of preliminaries will not only be used for tender adjudication purposes on this specific project but will also serve as the basis for monthly valuation purposes (value of preliminaries included in the certificate)		
<u>Measurement of works</u>		
Please note that all measurements according to Standard System of Measurement Building Work (Quantity Surveyors Edition)		
<u>SECTION A - PRINCIPAL BUILDING AGREEMENT</u>		
1	Clause 1.0 - Definitions and interpretation F:.....V:.....T:.....	Item
2	Clause 2.0 - Law, Regulations and notices F:.....V:.....T:.....	Item
3	Clause 3.0 - Offer and acceptance F:.....V:.....T:.....	Item
4	Clause 4.0 - Cession and assignment F:.....V:.....T:.....	Item
5	Clause 5.0 - Documents F:.....V:.....T:.....	Item
6	Clause 6.0 - Employer's Agents F:.....V:.....T:.....	Item
Carried Forward		R
Section No. 1 PRELIMINARIES Bill No. 1 PRELIMINARIES AND GENERAL		

CONSTRUCTION OF JTG SCHOOL - FENCING

	Brought Forward		R
7	Clause 7.0 - Design Responsibility F:.....V:.....T:.....	Item	
8	Clause 8.0 - Works risk F:.....V:.....T:.....	Item	
9	Clause 9.0 - Indemnities F:.....V:.....T:.....	Item	
10	Clause 10.0 - insurances F:.....V:.....T:.....	Item	
11	Clause 11.0 - Securities F:.....V:.....T:.....	Item	
12	Clause 12.0 - Obligations of the parties Clause 21.1 to be amended to read as follows: "The Employer will not issue a payment guarantee" F:.....V:.....T:.....	Item	
13	Clause 13.0 - Setting out F:.....V:.....T:.....	Item	
14	Clause 14.0 - Nominated Subcontractors F:.....V:.....T:.....	Item	
15	Clause 15.0 - Selected Subcontractors F:.....V:.....T:	Item	
16	Clause 16.0 - Direct Contractors F:.....V:.....T:.....	Item	
	Carried Forward		R
	Section No. 1 PRELIMINARIES Bill No. 1 PRELIMINARIES AND GENERAL		

CONSTRUCTION OF JTG SCHOOL - FENCING

	Brought Forward		R
17	Clause 17.0 - Contract instructions F:.....V:.....T:.....	Item	
18	Clause 18.0 - Interim Completion F:.....V:.....T:.....	Item	
19	Clause 19.0 - Practical Completion F:.....V:.....T:.....	Item	
20	Clause 20.0 - Completion in sections F:.....V:.....T:.....	Item	
21	Clause 21.0 - Defects liability period and final completion . F:.....V:.....T:.....	Item	
22	Clause 22.0 - Latent defects liability period F:.....V:.....T:.....	Item	
23	Clause 23.0 - Revision of the date for practical completion F:.....V:.....T:.....	Item	
24	Clause 24.0 - Penalty for late or non completion F:.....V:.....T:.....	Item	
	Carried Forward		R
Section No. 1 PRELIMINARIES Bill No. 1 PRELIMINARIES AND GENERAL			

CONSTRUCTION OF JTG SCHOOL - FENCING

	Brought Forward		R
25	Clause 25.0 - Payment clause 25.10 to be amended to read as follows: "The employer shall pay the contractor the amount certified in an issued payment certificate within thirty one (31) calendar days of the date of issue of the payment certificate F:.....V:.....T:.....	Item	
26	Clause 26.0 - Adjustment of the contract value and final account F:.....V:.....T:.....	Item	
27	Clause 27.0 - Recovery of expense and/or loss F:.....V:.....T:.....	Item	
28	Clause 28.0 - Suspension and termination F:.....V:.....T:.....	Item	
29	Clause 29.0 - Termination F:.....V:.....T:.....	Item	
30	Clause 30.0 - Dispute resolution F:.....V:.....T:.....	Item	
<u>SECTION B - PRELIMINARIES</u>			
<u>Definitions and interpretation</u>			
31	Clause 1.0 - Definitions and interpretation F:.....V:.....T:.....	Item	
<u>Documents</u>			
32	Clause 2.1 - Checking of documents F:.....V:.....T:.....	Item	
33	Clause 2.2 - Provisional bills of quantities These bills of quantities are provisional and will be re-measured in its entirety F:.....V:.....T:.....	Item	
Carried Forward			R
Section No. 1 PRELIMINARIES Bill No. 1 PRELIMINARIES AND GENERAL			

CONSTRUCTION OF JTG SCHOOL - FENCING

	Brought Forward		R
34	Clause 2.3 - Availability of construction information F:.....V:.....T:.....	Item	
35	Clause 2.4 - Ordering of materials and goods F:.....V:.....T:.....	Item	
	<u>Previous work and adjoining properties</u>		
36	Clause 3.1 - Previous work - dimensional accuracy F:.....V:.....T:.....	Item	
37	Clause 3.2 - Previous work - defects F:.....V:.....T:.....	Item	
38	Clause 3.3 - Inspection of adjoining properties F:.....V:.....T:.....	Item	
	<u>The site</u>		
39	Clause 4.1 - Handover of site in stages F:.....V:.....T:.....	Item	
40	Clause 4.2 - Enclosure of the works F:.....V:.....T:.....	Item	
41	Clause 4.3 - Geotechnical and other investigation F:.....V:.....T:.....	Item	
42	Clause 4.4 - Encroachments F:.....V:.....T:.....	Item	
43	Clause 4.5 - existing premises occupied F:.....V:.....T:.....	Item	
	Carried Forward		R
	Section No. 1 PRELIMINARIES Bill No. 1 PRELIMINARIES AND GENERAL		

CONSTRUCTION OF JTG SCHOOL - FENCING

	Brought Forward		R
44	Clause 4.6 - Services - known F:.....V:.....T:..... <u>Management of contract</u>	Item	
45	Clause 5.1 - Deposits and fees F:.....V:.....T:.....	Item	
46	Clause 5.2 - Progress meetings F:.....V:.....T:.....	Item	
47	Clause 5.3 - Technical meetings F:.....V:.....T:..... <u>Samples, shop drawings etc</u>	Item	
48	Clause 6.1 - Samples of materials F:.....V:.....T:.....	Item	
49	Clause 6.2 - Workmanship samples F:.....V:.....T:..... .	Item	
50	Clause 6.3 - Shop drawings F:.....V:.....T:.....	Item	
51	Clause 6.4 - Compliance with manufacturer's instructions F:.....V:.....T:..... <u>Deposits and fees</u>	Item	
52	Clause 7.1 - Deposits and fees F:.....V:.....T:.....	Item	
	Carried Forward		R
Section No. 1 PRELIMINARIES Bill No. 1 PRELIMINARIES AND GENERAL			

CONSTRUCTION OF JTG SCHOOL - FENCING

		Brought Forward		R
		<u>Temporary services</u>		
53	Clause 8.1 - Water			
	WATER - The contractor to provide all necessary labour and material to make suitable connections to the existing site water reticulation system to satisfy his requirements for the execution of the works. Meters are to be installed by the contractor and the cost of consumption will be for the contractor's account.			
	F:.....V:.....T:.....	Item		
54	Clause 8.2 - Electricity			
	ELECTRICITY - The contractor to provide all necessary labour and material to make suitable connections to the existing site electricity reticulation system to satisfy his requirements for the execution of the works. Meters are to be installed by the contractor and the cost of consumption will be for the contractor's account.			
	F:.....V:.....T:.....	Item		
55	Clause 8.3 -Ablution and welfare facilities			
	ABLUTIONS - The contractor to provide ablution facilities.			
	F:.....V:.....T:.....	Item		
56	Clause 8.4 - Communication facilities			
	The contractor to provide communication facilities.			
	F:.....V:.....T:.....	Item		
	<u>Prime Cost amounts</u>			
57	Clause 9.1 - Responsibility for prime cost amounts			
	F:.....V:.....T:.....	Item		
	<u>Attendance on subcontractors</u>			
58	Clause 10.1 - General attendance			
	F:.....V:.....T:.....	Item		
		Carried Forward		R
	Section No. 1 PRELIMINARIES Bill No. 1 PRELIMINARIES AND GENERAL			

CONSTRUCTION OF JTG SCHOOL - FENCING

	Brought Forward		R	
59	Clause 10.2 - Special Attendance			
	F:.....V:.....T:.....	Item		
	<u>General</u>			
60	Clause 11.1 - Protection of the works			
	F:.....V:.....T:.....	Item		
61	Clause 11.2 - Protection/isolation of existing works and works occupied in sections			
	F:.....V:.....T:.....	Item		
62	Clause 11.3 - Security of the works			
	F:.....V:.....T:.....	Item		
63	Clause 11.4 - Notice before covering			
	F:.....V:.....T:.....	Item		
64	Clause 11.5 - Disturbance			
	F:.....V:.....T:.....	Item		
65	Clause 11.6 - Environmental disturbance			
	F:.....V:.....T:.....	Item		
66	Clause 11.7 - Works cleaning and clearing			
	F:.....V:.....T:.....	Item		
67	Clause 11.8 - Vermin			
	F:.....V:.....T:.....	Item		
	Carried Forward		R	
	Section No. 1			
	PRELIMINARIES			
	Bill No. 1			
	PRELIMINARIES AND GENERAL			

CONSTRUCTION OF JTG SCHOOL - FENCING

	Brought Forward		R
68	Clause 11.9 - Overhand work F:.....V:.....T:.....	Item	
69	Clause 11.10 - Tenant installations by direct contractors F:.....V:.....T:.....	Item	
70	Clause 11.11 - Advertising F:.....V:.....T:.....	Item	
	<u>SECTION C - SPECIFIC PRELIMINARIES</u>		
71	Temporary storage facilities The contractor has to allow for sufficient storage facilities of at least 500m² for the full duration of the contract period. The facilities should be lockable and watertight with the necessary security features (inter alia security gates, burglar proofing, etc). A minimum of at least three storage containers is to be fitted with an HVAC to ensure a consistent temperature is maintained within the storage unit. Temporary containers will be accepted. A dedicated area will be earmarked and pointed out to the contractor after site handover. The area should be level, fenced off with sufficient and acceptable security fencing at least 2.1m high, with one double gate at least 4m wide and acceptable surfacing around the storage facility for large trucks and heavy vehicles to drive and turn. Storm water management within this dedicated area should be of such a nature to avoid muddy areas, ponding or storm water flooding the storage area. Temporary external security lights will be required.	Item	
72	The contractor shall erect a MAIN NOTICE BOARD size 3m x 3m high containing the full description of the project, name of the client, name of the contractor and details of the professional team to the satisfaction of the Principal Agent	Item	
	Carried Forward		R
	Section No. 1 PRELIMINARIES Bill No. 1 PRELIMINARIES AND GENERAL		

CONSTRUCTION OF JTG SCHOOL - FENCING

		Brought Forward		R
73	Site Offices: The contractor shall provide, maintain and remove on completion of the works an office for the exclusive use by the professional team minimum size 8m x 6m x 3m high internally suitably insulated and ventilated provided with electric lighting and fitted with boarded floor, desk, chairs, drawing shelves, drawing board. the office shall be kept clean all the time. F:.....V:.....T:.....		Item	
74	C1.0 CONTRACT DRAWINGS * The drawings issued with the tender documents do not comprise the complete set but serve as a guide only for tendering purposes and for indicating the scope of the work to enable the tenderer to acquaint himself with the nature and extent of the works and the manner in which they are to be executed Should any part of the drawings not be clearly understood by the tenderer he shall, before submitting his tender, obtain clarification in writing from the principal agent Fixed: _____ Value related: _____ Time related: _____		Item	
75	C2.0 GENERAL PREAMBLES Fixed: _____ Value related: _____ Time related: _____		Item	
		Carried Forward		R
	Section No. 1 PRELIMINARIES Bill No. 1 PRELIMINARIES AND GENERAL			

CONSTRUCTION OF JTG SCHOOL - FENCING

	Brought Forward		R
76	C3.0 TRADE NAMES Wherever a trade name for any product has been described in the bills of quantities / lump sum document , the tenderer's attention is drawn to the fact that any other product of equal quality may be used subject to the written approval of the principal agent being obtained prior to the closing date for submission of tenders If prior written approval for an alternative product is not obtained, the product described shall be deemed to have been tendered for Fixed: _____ Value related: _____ Time related: _____	Item	
77	C4 ACCESS TO CONDOMS Provision and maintenance of condom dispensers fixed in position, including male and female condoms, replenishing male and female condoms on a daily basis Fixed: _____ Value related: _____ Time related: _____	Item	
	Carried Forward		R
Section No. 1 PRELIMINARIES Bill No. 1 PRELIMINARIES AND GENERAL			

CONSTRUCTION OF JTG SCHOOL - FENCING

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

CONSTRUCTION OF JTG SCHOOL - FENCING

		Brought Forward		R
80	C5.2 HEALTH AND SAFETY PLAN (Construction Regulation 5.4) The Contractor shall provide and demonstrate to the Principal Agent a suitable and sufficiently documented health and safety plan based on the Act, Construction Regulations and the health and safety specification, which shall be applied from the date of commencement of and for the duration of the construction work. The Contractor shall ensure that a copy of the health and safety plan is available on request to an employee, inspector, sub contractor or principal agent all in terms of Regulation 5 Fixed:_____ Value related:_____ Time related:_____		Item	
81	C5.3 REGISTRATION WITH THE COMPENSATION FUND (Construction Regulation 5.3 f) The Contractor shall provide proof of his registration and good standing with the Compensation Fund or a licensed compensation insurer prior to the commencement of work Fixed:_____ Value related:_____ Time related:_____		Item	
82	C5.4 HEALTH AND SAFETY FILE (Construction Regulation 5.7) The Contractor shall ensure that a health and safety file, which shall include all documentation required in terms of the health and safety specification, the Act and the Construction Regulations, is opened and kept on site and made available to the Principal Agent or Inspector upon request. Upon completion of the works, the Contractor shall hand over a consolidated health and safety file to the principal agent Fixed:_____ Value related:_____ Time related:_____		Item	
		Carried Forward		R
	Section No. 1 PRELIMINARIES Bill No. 1 PRELIMINARIES AND GENERAL			

CONSTRUCTION OF JTG SCHOOL - FENCING

		Brought Forward			R
83	C5.5 SUPERVISION OF CONSTRUCTION WORK (SAFETY OFFICER) (Construction Regulation 6) The Contractor shall appoint a full-time competent employee in writing as the construction supervisor, with the duty of supervising the construction work. The Contractor shall appoint a full-time or part-time construction safety officer in writing to assist in the control of all safety related aspects on the site. Such appointments are required to ensure that at all times the requirements of the Act and Construction Regulations are adhered to. Refer to Regulation 6 Fixed:_____ Value related:_____ Time related:_____		Item		
84	C5.6 RISK ASSESSMENT AND SAFETY POLICY (Construction Regulation 7) Before commencing work the Contractor shall prepare a risk assessment report to be performed by a competent person appointed in writing and the risk assessment shall form part of the health and safety plan. A copy of the risk assessment shall be available on site at all times for inspection. The Contractor shall at all time carry out the works in a manner to avoid the risk of bodily harm to persons or risk of damage to any property. He shall take all precautions regarding training of employees in any hazards and the related work procedures, health and safety induction training of employees, visitors or any other persons entering the site and provide personal protective equipment to all employees and visitors to site which are necessary and adequate to eliminate any conditions which contribute to the risk of injury to persons or damage to property in terms of Regulation 7 Fixed:_____ Value related:_____ Time related:_____		Item		
85	C5.7 SIGNIFICANT HAZARDS IDENTIFICATION RISK ASSESSMENT PREPARED BY THE DESIGN CONSULTANTS The contractor shall allow for additional financial provision, if any, to take the necessary precautions regarding the significant hazards and risks identified and assessed by the design consultants Fixed:_____ Value related:_____ Time related:_____		Item		
		Carried Forward			R
	Section No. 1 PRELIMINARIES Bill No. 1 PRELIMINARIES AND GENERAL				

CONSTRUCTION OF JTG SCHOOL - FENCING

		Brought Forward			R
86	C5.8 ADDITIONAL FINANCIAL PROVISION				
	The Contractor shall allow for additional financial provision, if any, to comply with the requirements of the Occupational Health and Safety Act (Act No 85 of 1993) and the Construction Regulations issued there under which have not been specifically elsewhere provided Fixed:_____ Value related:_____ Time related:_____		Item		
87	C5.9 FALL PROTECTION PLAN (Construction Regulation 8)				
	The contractor shall, before commencing any construction work submit a fall protection plan identified all steps to be taken in order to ensure the continued adherence to the fall protection plan and shall include a risk assessment of all work carried out from an relevant position. The fall protection plan shall form part of the health and safety plan and file Fixed:_____ Value related:_____ Time related:_____		Item		
88	C5.10 PHYSICAL AND PSYCHOLOGICAL FITNESS (Construction Regulation 8.2(b))				
	The contractor and sub-contractors shall before commencing any construction work submit proof of his employees that shall carried out work from an elevated position their physical and psychological fitness. And shall be recorded in the health and safety file Fixed:_____ Value related:_____ Time related:_____		Item		
89	C5.11 CONSTRUCTION VEHICLES AND MOBILE PLANT (Construction Regulation 21)				
	The contractor and sub-contractors shall ensure that all operated workers received training and been certified competent to operate such vehicle, and are physical and psychological fit to operate such construction vehicles and mobile plants. And shall be recorded in the health and safety file Fixed:_____ Value related:_____ Time related:_____		Item		
		Carried Forward			R
	Section No. 1 PRELIMINARIES Bill No. 1 PRELIMINARIES AND GENERAL				

CONSTRUCTION OF JTG SCHOOL - FENCING

		Brought Forward			R
90	C5.12 TRAINING (Construction Regulation 8 (c))				
	The contractor and sub-contractors shall, before commencing any construction work, submit his training program of all his employees. This program shall form part of the health and safety plan				
	Fixed: _____ Value related: _____ Time related: _____		Item		
91	C5.13 DEMOLITION WORK (Construction Regulation 12)				
	The contractor shall, before any demolition work shall carried out, submit all method of demolition to be used. This method shall form part of the health and safety plan and file.				
	Fixed: _____ Value related: _____ Time related: _____		Item		
92	C5.14 OHS COMPLIANCE FOR COVID 19 REQUIREMENTS		Item		
	<u>OHS Act and construction Regulations (2014)</u>				
93	Review of OHS Plan for each assignment. Rate to Include for risk assessment specific to the COVID-19 Epidemic and other adjustment to ensure compliance for the assignment		Item		
94	Principal Contractor's Fixed Cost obligation in respect of the OHS Act and Constuction Regulations Signage-COVID - 19 Related		Item		
	<u>Provision of Personal protective equipment and protective clothing</u>				
95	Including but not restricted to Reflective Vests	No	250		
96	Including but not restricted to Reflective Bibs	No	250		
97	Including but not restricted to Hard Hats	No	250		
98	Including but not restricted to Protective footwear	No	250		
99	Including but not restricted to Earplugs	No	250		
100	Including but not restricted to Dust Masks	No	250		
		Carried Forward			R
	Section No. 1 PRELIMINARIES Bill No. 1 PRELIMINARIES AND GENERAL				

CONSTRUCTION OF JTG SCHOOL - FENCING

	Brought Forward			R
101	Face Mask for Covid - 19 (respiratory protection (as required)	No	250	
102	Surgical Gloves (for security and cleaning team)	No	250	
103	Safety Goggles for Screening Person	No	250	
104	Provision of full time construction Health & Safety Officer		Item	
	<u>Costs of medical certificate and medical surveillance</u>			
105	Initial (Baseline) medical examinations Screening for Employees with COVID-19 Symptoms	No	1	
106	Exit examinations	No	1	
107	Re-Induction Training for COVID-19		Item	
108	Provision of First Aid Boxes		Item	
109	Non contact thermometers	No	1	
	<u>Fixed Charge items</u>			
110	Contractual requirements		Item	
111	Facilities for Contractor including offices, storage sheds, workshops, laboratories, living accommodation, ablution and latrine facilities, tools and equipment, water supplies, electric power, communications, setting out of Works, security and dealing with water, traffic and access. Made COVID - 19 Safe		Item	
	<u>Other fixed charge obligations for Safety</u>			
112	Hand sanitiser - 500ml	No	250	
113	Cleaning and detergents for cleaning everyday	No	250	
114	Daily logbook for above	No	250	
	<u>Waste management for COVID 19</u>			
115	Waste bins		Item	
116	Cleaning and detergents for cleaning everyday	No	1	
	Carried Forward			R
	Section No. 1 PRELIMINARIES Bill No. 1 PRELIMINARIES AND GENERAL			

CONSTRUCTION OF JTG SCHOOL - FENCING

Brought Forward			R
<u>GREEN BUILDING REQUIREMENTS</u>			
117	The contractor is to allow for Green building requirements F:.....V:.....T:.....	Item	
<u>CONTRACT PRICE ADJUSTMENT</u>			
118	Contract Price Adjustment (Escalation) is applicable for this project F:.....V:.....T:.....	Item	
<u>PAYMENT OF PRELIMINARIES AND GENERAL</u>			
119	Payment of the Preliminaries and General will be effected using Option B. F:.....V:.....T:.....	Item	
<u>ADJUSTMENT OF PRELIMINARIES AND GENERAL</u>			
120	Adjustment of the Preliminaries and General will be effected using Option A. F:.....V:.....T:.....	Item	
<u>PROVISIONAL QUANTITIES</u>			
121	All the quantities in this Bills of Quantities are provisional and subject to remeasurement F:.....V:.....T:.....	Item	
<u>HEALTH AND SAFETY REQUIREMENT</u>			
122	Site specific Health and Safety requirement - See separate document	Item	
<u>READY MIX CONCRETE</u>			
123	All concrete must be Ready mix concrete	Item	
Carried to Final Summary			R
Section No. 1 PRELIMINARIES Bill No. 1 PRELIMINARIES AND GENERAL			

CONSTRUCTION OF JTG SCHOOL - FENCING

Item No		Quantity	Rate	Amount
	<u>SECTION 2</u>			
	<u>BILL NO.1</u>			
	<u>FENCING</u>			
	<u>PREAMBLES FOR TRADE</u>			
	The General Preambles for Trades (2017 edition) as published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these bills of quantities and no claims arising from brevity of description of items fully described in the said General Preambles will be entertained The following "Supplementary Preambles" are incorporated in this bill to satisfy the requirements of the project and shall take precedence over the provisions of the said General Preambles.			
	<u>BULK EXCAVATION, FILLING, ETC</u>			
	<u>Excavation in earth other than bulk not exceeding 2m deep</u>			
1	Trenches	m3	1 099	
	<u>SOFT AND HARD ROCK, ETC</u>			
	<u>Extra over trench and hole excavations in earth other than bulk for excavation in:</u>			
2	Soft Rock	m3	87	
3	Hard Rock	m3	62	
	<u>CARTING AWAY</u>			
	<u>Extra over all excavations for carting away</u>			
4	Surplus material from excavations and/or stock piles on site, to a dumping site to be located by the contractor	m3	621	
	<u>RISK OF COLLAPSE ETC</u>			
	<u>Risk of collapse of excavations</u>			
5	Sides of bulk excavations not exceeding 1,5m deep	m2	4 010	
	Carried Forward			
	Section No. 2 FENCING Bill No. 1 FENCING			

R

CONSTRUCTION OF JTG SCHOOL - FENCING

Brought Forward		
<u>FILLING ETC</u>		
<u>Earth filling obtained from the excavations and/or prescribed stock piles on site, compacted to 85% Mod AASHTO density</u>		
6	Backfilling to trenches, holes, etc	m3 621
<u>SOIL POISONING</u>		
<u>Soil insecticide in accordance with SANS 5859</u>		
7	To bottoms and sides of trenches etc	m2 5 987
<u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>		
<u>25MPa/19mm reinforced concrete cast against excavated surfaces</u>		
8	Strip footings	m3 440
<u>TEST CUBES</u>		
9	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No 37
<u>REINFORCEMENT</u>		
<u>Mild steel reinforcement to structural concrete work</u>		
10	12mm Diameter bars	t 37,00
<u>FENCING</u>		
<u>Supply, deliver and install high-security "Clear VU" Fencing comprising galvanised powder-coated anti-climb mesh panels (approximately 76.2 x 12.7mm aperture, 3.0-4.0mm wire), mounted to galvanised powder-coated RHS steel posts with anti-tamper fixing, including mass concrete foundations (measured elsewhere), all accessories, cutting, fixing, alignment and finishing, complete in accordance with manufacturer's recommendations</u>		
11	Fence 2.4m high	m 2 864
Carried Forward		
Section No. 2 FENCING Bill No. 1 FENCING		

R

R

CONSTRUCTION OF JTG SCHOOL - FENCING

	Brought Forward			R
12	Extra over for single sliding gate of size 6328 x 3000mm high	No	8	
13	Extra over for double gate of size 2200 x 3000mm high with each gate leaf size 1100 x 3000mm high	No	5	
<u>GATES</u>				
<u>Supply, deliver and install high-security "Clear VU" Fencing comprising galvanised powder-coated anti-climb mesh panels (approximately 76.2 x 12.7mm aperture, 3.0-4.0mm wire), mounted to galvanised powder-coated RHS steel posts with anti-tamper fixing, including mass concrete foundations (measured elsewhere), all accessories, cutting, fixing, alignment and finishing, complete in accordance with manufacturer's recommendations</u>				
14	Extra over for single sliding gate of size 6300 x 2400mm high	No	5	
15	Extra over for double pedestrian gate of size 2200 x 2400mm high	No	1	
16	Extra over for single pedestrian gate of size 1400 x 2400mm high	No	1	
<u>BUDGETARY ALLOWANCES</u>				
<u>Contract Price Adjustment Provision</u>				
17	Allow R1 000, 000 (One million Rands) for Contract Price Adjustment (Escalation)		Item	
Carried to Final Summary				
Section No. 2 FENCING Bill No. 1 FENCING				R

CONSTRUCTION OF JTG SCHOOL - FENCING

[illegible]