

Item No	SANS Pay Ref		Unit	Quantity	Rate	Amount
		SECTION NO. 1	r.			
		BILL NO. 1				
	<u>SANS 1200A</u>	PRELIMINARY AND GENERAL				
		BUILDING AGREEMENT AND PRELIMINARIES				
		The JBCC Principal Building Agreement (Edition 6.2 - May 2018) prepared by the Joint Building Contracts Committee shall be the applicable building agreement, amended as hereinafter described				
		The JBCC Principal Building Agreement contract data form an integral part of this agreement				
		The JBCC General Preliminaries (Edition 6.2 - 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 , amended as hereinafter described				
		The contractor is deemed to have referred to the abovementioned documents for the full intent and meaning of each clause				
		Carried to Collection Section No. 1 Bill No. 1 Preliminaries			R	



The clauses in the abovementioned documents are hereinafter referred to by clause number and heading only Where any item is not relevant to this agreement such item is marked N/A signifying "not applicable"			
Where standard clauses or alternatives are not entirely applicable to this agreement such amendments, modifications, corrections or supplements as will apply are given under each relevant clause heading and such amendments, modifications, corrections or supplements shall take precedence notwithstanding anything to the contrary contained in the abovementioned documents.			
PREAMBLES FOR TRADES			
The General Preambles for Trades 2017 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			
Supplementary preambles and/or specifications are incorporated in these bills of quantities to satisfy the requirements of this project. Such supplementary preambles and/or specifications shall take precedence over the provisions of the Model Preambles			
Section No. 1 Bill No. 1 Preliminaries		R	
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The contractor's prices for all items throughout these bills of quantities shall take account of and include for all of the obligations, requirements and specifications given in the Model Preambles and in any supplementary preambles and/or specifications		
STRUCTURE OF THIS PRELIMINARIES BILL		
Section A : A recital of the headings of the individual clauses of the aforementioned JBCC Principal Building Agreement		
Section B: A recital of the headings of the individual clauses of the aforementioned Preliminaries document		
Section C: Any special clauses to meet the particular circumstances of the project		
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PRICING OF PRELIMINARIES		
Should the contractor select Option A in the contract data for the adjustment of preliminaries , the amounts entered against the relevant items in these preliminaries are to be divided into one or more of the three categories provided namely fixed (F), value related (V) and time related (T)		
Should the contractor select Option A in the contract data for the adjustment of preliminaries , the amounts entered against the relevant items in these preliminaries are to be divided into one or more of the three categories provided namely fixed (F), value related (V)		
Should the contractor select Option A in the contract data for the adjustment of preliminaries , the amounts entered against the relevant items in these preliminaries are to be divided into one or more of the three categories provided namely fixed (F), value related (V)		
Should the contractor select Option A in the contract data for the adjustment of preliminaries , the amounts entered against the relevant items in these preliminaries are to be divided into one or more of the three categories provided namely fixed (F), value related (V)	R	
Should the contractor select Option A in the contract data for the adjustment of preliminaries , the amounts entered against the relevant items in these preliminaries are to be divided into one or more of the three categories provided namely fixed (F), value related (V) and time related (T)	R	



	SECTION A: PRINCIPAL BUILDING AGREEMENT		
	Interpretation (A1-A7)		
1	Clause 1.0 - Definitions and interpretation		
	Pricing of bills of quantities		
	The contractor is to allow opposite each item for all costs in connection therewith. All prices to include, unless otherwise stated, for all materials, fabrication, conveyance and delivery, unloading, storing, unpacking, hoisting, labour, setting, fitting and fixing in position, cutting and waste (except where to be measured in accordance with the standard system of measurement), patterns, models and templates, plant, temporary works, returning of packaging, duties, taxes (other than Value Added Tax), imposts, establishment charges, overheads, profit and all other obligations arising out of this agreement . Value Added Tax (VAT) is to be separately stated on the summary page of these bills of quantities		
	Items left unpriced will be deemed to be covered in prices against other items throughout these bills of quantities and no claim for any extras arising out of the contractor's omission to price any item will be entertained		
	Prices for all construction equipment , temporary works, services and other items shall include for the supply, maintenance, operating cost and subsequent removal and making		
	Carried to Collection Section No. 1 Bill No. 1 Preliminaries	R	



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	good as necessary		
	Abbreviated descriptions		
	The items in these bills of quantities utilise abbreviated descriptions. It is the intention that the abbreviated descriptions be fully described when read with the applicable measuring system and the relevant preambles and/or specifications. However, should the full intent and meaning of any description not be clear, the contractor shall, before submission of his tender, call for a written directive from the principal agent, failing which it shall be assumed that the contractor has allowed in his pricing for materials and workmanship in		
	terms of international best practice		
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	Legal status of contractor		
	If the contractor constitutes a joint venture, consortium or other unincorporated grouping of two or more persons then:		
	These persons are deemed to be jointly and severally liable to the employer for the performance of this agreement		
	2. These persons shall notify the employer of their leader who has authority to bind the contractor and each of these persons		
	3. The contractor shall not alter its composition or legal status without the prior written consent of the employer		
	Carried to Collection Section No. 1 Bill No. 1 Preliminaries		R



	F: V:	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			
	Delegated authority			
	The authority of the principal agent to issue contract instructions [17.1] and perform duties for specific aspects of the works is delegated to agents as follows [6.2]. This does not preclude the principal agent from issuing such contract instructions :			
	1. <u>Architect</u>			
	Carried to Collection		R	
	Section No. 1 Bill No. 1 Preliminaries			



1.1 Duties [6.2] :	
The architect is responsible for the architectural design, functional design and quality inspection of the works	
1.2 Contract instructions [6.2; 17.1]:	
1.2.1 Rectification of discrepancies, errors in description or quantity or omission of items in the agreement other than in the JBCC Principal Building Agreement	
1.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works	
1.2.3 The site [13.0]	
1.2.4 Compliance with the law , regulations and bylaws [2.1]	
1.2.5 Provision and testing of samples of materials and goods and/or of finishes and assemblies of elements of the works	
1.2.6 Opening up of work for inspection, removal or reexecution [23.2.4; 26.4.2]	
1.2.7 Removal or re-execution of work	
Carried to Collection Section No. 1 Bill No. 1 Preliminaries	



1.2.8	Removal or substitution of any materials and goods	
1.2.9	Protection of the works	
1.2.10	Making good physical loss and repairing damage to the works [23.2.2]	
1.2.1	Rectification of defects [21.2]	
1.2.12	A list for practical completion specifying outstanding or defective work to be rectified to achieve practical completion, a list for completion and a list for final completion specifying outstanding or defective work to be rectified to achieve final completion	
1.2.13	Expenditure of budgetary allowances, prime cost amounts and provisional sums	
1.2.14	Appointment of a subcontractor [14.0; 15.0]	
1.2.1 ₂ [16.0 ₂	•	
1.2.10	On suspension or termination, protection of the works, removal of construction equipment and surplus materials and goods [29.0]	
2. <u>Q</u> u	vantity surveyor	
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	2.1 Duties [6.2] :		
	The quantity surveyor is responsible for all measurements, valuations, financial assessments and all other quantity surveying and cost control functions of the works		
	2.2 Contract instructions [6.2; 17.1]:		
	2.2.1 No contract instructions delegated to the quantity surveyor		
	3. <u>Civil and structural engineer</u>		
	3.1 Duties [6.2] :		
	The civil and structural engineer is responsible for all aspects of civil and structural engineering design and quality inspection of the works		
	3.2 Contract instructions [6.2; 17.1]:		
	3.2.1 Rectification of discrepancies, errors in description or quantity or omission of items in the agreement other than in the JBCC Principal Building Agreement		
	3.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works		
	3.2.3 The site [13.0]		
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	Section No. 1 Bill No. 1 Preliminaries	R	
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3.2.4	Compliance with the law , regulations and bylaws [2.1]		
3.2.5	Provision and testing of samples of materials and goods and/or of finishes and assemblies of elements of the works		
3.2.6	Opening up of work for inspection, removal or re-execution [23.2.4; 26.4.2]		
3.2.7 work	Removal or re-execution of		
3.2.8	Removal or substitution of any materials and goods		
3.2.9	Protection of the works		
3.2.10	Making good physical loss and repairing damage to the works [23.2.2]		
3.2.11	Rectification of defects [21.2]		
3.2.12	A list for practical completion specifying outstanding or defective work to be rectified to achieve practical completion, a list for completion and a list for final completion specifying outstanding or defective work to be rectified to achieve final completion		
3.2.13	Expenditure of budgetary allowances, prime cost amounts and provisional sums		
Section	Carried to Collection n No. 1	R	
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4. <u>Mechanical engineer</u>		
4.1 Duties [6.2] :		
The mechanical engineer is responsible for all aspects of mechanical engineering design and quality inspection of the works and, where appointed by the employer for quantity surveying services in respect of the mechanical installations, for all measurements, valuations, financial assessments and all other quantity surveying and cost control functions 4.2 Contract instructions [6.2; 17.1]:		
4.2 Community (0.2, 17.1)		
4.2.1 Rectification of discrepancies, errors in description or quantity or omission of items in the agreement other than in the JBCC Principal Building Agreement		
4.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works		
4.2.3 Compliance with the law , regulations and bylaws [2.1]		
4.2.4 Provision and testing of samples of materials and goods and/or of finishes and assemblies of elements of the works		
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Section No. 1 Bill No. 1 Preliminaries	R	



4.2.5	Opening up of work for inspection, removal or reexecution [23.2.4; 26.4.2]	
4.2.6 work	Removal or re-execution of	
4.2.7	Removal or substitution of any materials and goods	
4.2.8	Protection of the works	
4.2.9	Making good physical loss and repairing damage to the works [23.2.2]	
4.2.10	Rectification of defects [21.2]	
4.2.1	A list for practical completion specifying outstanding or defective work to be rectified to achieve practical completion, a list for completion and a list for final completion specifying outstanding or defective work to be rectified to achieve final completion	
4.2.12	Expenditure of budgetary allowances, prime cost amounts and provisional sums	
5. <u>Ele</u>	ctrical engineer	
Bill No	Carried to Collection on No. 1 o. 1 ninaries	R



5.1 Duties [6.2] :		
The electrical engineer is responsible for all aspects of electrical engineering design and quality inspection of the works and, where appointed by the employer for quantity surveying services in respect of the electrical installations, for all measurements, valuations, financial assessments and all other quantity surveying and cost control functions		
5.2 Contract instructions [6.2; 17.1]:		
5.2.1 Rectification of discrepancies, errors in description or quantity or omission of items in the agreement other than in the JBCC Principal Building Agreement		
5.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works		
5.2.3 Compliance with the law , regulations and bylaws [2.1]		
5.2.4 Provision and testing of samples of materials and goods and/or of finishes and assemblies of elements of the works		
5.2.5 Opening up of work for inspection, removal or reexecution [23.2.4; 26.4.2]		
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	The electrical engineer is responsible for all aspects of electrical engineering design and quality inspection of the works and, where appointed by the employer for quantity surveying services in respect of the electrical installations, for all measurements, valuations, financial assessments and all other quantity surveying and cost control functions 5.2 Contract instructions [6.2; 17.1]: 5.2.1 Rectification of discrepancies, errors in description or quantity or omission of items in the agreement other than in the JBCC Principal Building Agreement 5.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works 5.2.3 Compliance with the law, regulations and bylaws [2.1] 5.2.4 Provision and testing of samples of materials and goods and/or of finishes and assemblies of elements of the works 5.2.5 Opening up of work for inspection, removal or reexecution [23.2.4; 26.4.2] Carried to Collection Section No. 1 Bill No. 1	The electrical engineer is responsible for all aspects of electrical engineering design and quality inspection of the works and, where appointed by the employer for quantity surveying services in respect of the electrical installations, for all measurements, valuations, financial assessments and all other quantity surveying and cost control functions 5.2 Contract instructions [6.2; 17.1]: 5.2.1 Rectification of discrepancies, errors in description or quantity or omission of items in the agreement other than in the JBCC Principal Building Agreement 5.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works 5.2.3 Compliance with the law, regulations and bylaws [2.1] 5.2.4 Provision and testing of samples of materials and goods and/or of finishes and assemblies of elements of the works 5.2.5 Opening up of work for inspection, removal or reexecution [23.2.4; 26.4.2] Carried to Collection Section No. 1 Bill No. 1



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	any materials and goods			
5.2.8	Protection of the works			
	and repairing damage to the			
5.2.10	Rectification of defects [21.2]			
	specifying outstanding or defective work to be rectified to achieve practical completion, a list for completion and a list for final completion outstanding or defective work to be rectified to			
	allowances, prime cost amounts and provisional			
6. <u>Wet s</u>	services engineer			
6.1 Duti	ies [6.2] :			
respons services	sible for all aspects of wet s engineering design and			
6.2 Co n	ntract instructions [6.2; 17.1] :			
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6.2	Rectification of discrepancies, errors in description or quantity or omission of items in the agreement other than in the JBCC Principal Building Agreement		
6.2	2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works		
6.2	3 Compliance with the law , regulations and bylaws [2.1]		
6.2	4 Provision and testing of samples of materials and goods and/or of finishes and assemblies of elements of the works		
6.2	5 Opening up of work for inspection, removal or re- execution [23.2.4; 26.4.2]		
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6.2	7 Removal or substitution of any materials and goods		
6.2	8 Protection of the works		
6.2	9 Making good physical loss and repairing damage to the works [23.2.2]		
6.2	10 Rectification of defects [21.2]		
Bill	Carried to Collection etion No. 1 No. 1 liminaries	R	



6.2.	A list for practical completion specifying outstanding or defective work to be rectified to achieve practical completion, a list for completion and a list for final completion specifying outstanding or defective work to be rectified to achieve final completion		
6.2.	12 Expenditure of budgetary allowances, prime cost amounts and provisional sums		
7. <u>Fi</u>	re consultant		
7.1	Outies [6.2] :		
all c	fire consultant is responsible for aspects of rational fire design and ality inspection of the works		
7.2	Contract instructions [6.2; 17.1]:		
7.2.	Rectification of discrepancies, errors in description or quantity or omission of items in the agreement other than in the JBCC Principal Building Agreement		
7.2.:	Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works		
7.2.3	3 Compliance with the law , regulations and bylaws [2.1]		
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in	spection, removal or re-			
7.2.6 Rework	emoval or re-execution of			
7.2.8 Pr	rotection of the works			
ar	nd repairing damage to the			
7.2.10 Re	ectification of defects [21.2]			
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8. <u>Health</u>	and safety consultant			
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8.1 Duties [6.2] :		
The health and safety consultant is responsible for all aspects of health and safety of the works. Without derogating from the generality thereof, the health and safety consultant will perform the following specific functions and duties in respect of the health and safety aspects of the works. He shall:		
8.1.1 Act as the employer's agent in terms of the Construction Regulations issued in terms of the Occupational Health and Safety Act,1993 as amended		
8.1.2 Prepare and update the health and safety specification for the works		
8.1.3 Agree with the contractor the health and safety plan for the works		
8.1.4 Carry out regular audits to ensure adherence to the safety plan and compliance with the act and regulations		
8.1.5 Stop the execution of the works where the agreed specification or plan is not adhered to		
F: V:	Item	
Section No. 1 Bill No. 1 Preliminaries		R



7	Clause 7.0 - Design responsibility			
	F: V: T:	Item		
	Insurances and securities (A8-A11)			
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:	ltem		
	Carried to Collection		R	
	Section No. 1 Bill No. 1 Preliminaries			
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11	Clause 11 O. Canadia			1
11	Clause 11.0 - Securities			
	Clause 11.5 Omit this clause in its			
	entirety			
	Clause 11.5.1 Omit this clause in its entirety			
	Clause 11.5.2 Omit this clause in its			
	entirety			
	Clause 11.6 Omit this clause in its			
	entirety Clause 11.10 Omit the words "on			
	receipt of a			
	Guarantee for			
	Payment from the employer"			
	employer			
	Extension of waiver of lien			
	The contractor shall ensure that a			
	waiver of lien is included in all			
	subcontracts and that the works executed on the site are kept free of			
	all liens and other encumbrances at			
	all times [11.10]			
	F: V:			
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	Execution (A12 - A17)			
	Carried to Collection		R	
	Section No. 1			
	Bill No. 1 Preliminaries			



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12	Clause 12.0 - Duties of the parties			
	Office accommodation			
	The contractor shall provide, maintain and remove on practical completion air conditioned office accommodation with suitable tables and chairs for meetings to be held on the site . Such offices shall be kept clean and fit for use at all times [12.2.18]			
	Notice board			
	The contractor shall erect in a position approved by the principal agent, maintain and remove on practical completion a notice board recommended by the South African Institute of Architects and as approved by the principal agent listing the names and logos of the employer, the contractor, and the professional consultants. No subcontractor or supplier notice boards may be erected unless permission is granted by the principal agent for such notice boards to be erected [12.2.18]			
	Statutory and other notices			
	The contractor shall submit and/or comply with all statutory and other notices that may be required by any local or other authority in order not to cause any delay to the commencement of the works by the contractor . The contractor shall pay all deposits or fees in this regard			
	It is, however, specifically recorded that the employer shall be responsible for the timeous approval			
	Carried to Collection		R	
	Section No. 1 Bill No. 1 Preliminaries			



		other authorities	ns by any local or and the payment of ges related thereto				
		F: T:	V:		Item		
13		Clause 13.0 - Set	ting out				
		F: T:	V:		Item		
14		Clause 14.0 subcontractors	- Nominated				
		F: T:	V:		Item		
15		Clause 15.0 subcontractors	- Selected				
		F: T:	V:		Item		
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		Section No. 1 Bill No. 1 Preliminaries					
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16	Clause 16.0 - Direct contractors		
	Attendance on direct contractors		
	In respect of direct contractors the contractor shall:		
	Designate an area for the direct contractor—to establish a temporary office and workshop and storage—of—equipment—and materials		
	2. Allow the use of personnel welfare facilities, where provided		
	3. Provide water, lighting and single phase electric power to a position within 50m of the place where the direct contract work is to be carried out, other than fuel or power for commissioning of any installation		
	4. Permit the direct contractor to use erected scaffolding, hoisting facilities, etc provided by the contractor, in common with others having the like right, while it remains erected on the site [16.1]		
	F: V:	ltem	
	Carried to Collection		R
	Section No. 1 Bill No. 1 Preliminaries		



17		Clause 17.0 - Contract instructions			
		Site instructions			
		Instructions issued on site are to be recorded in a site instruction book which is to be supplied and maintained on site by the contractor			
		F: V: T:	Item		
		Completion (A18 - A24)			
18		Clause 18.0 - Interim completion			
		F: V: T:	Item		
19		Clause 19.0 - Practical completion			
		F: V: T:	ltem		
20		Clause 20.0 - Completion in sections			
		F: V: T:	Item		
21		Clause 21.0 - Defects liability period and final completion			
		F: V: T:	ltem		
		Carried to Collection		R	
		Section No. 1 Bill No. 1 Preliminaries			
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22	Clause 22.0 - Latent defects liability period			
23	F: V: T: Clause 23.0 - Revision of the date for practical completion	ltem		
	Substitution of materials and goods			
	The removal or substitution of any materials and goods which do not conform to the specification or the contract drawings shall not constitute grounds for the extension of the construction period nor for the adjustment of the contract value [17.1.8, 23.1 & 2]			
	F: V: T:	Item		
24	Clause 24.0 - Penalty for late or non-completion			
	F: V:	Item		
	Payment (A25 - A27)			
	Carried to Collection		R	
	Section No. 1 Bill No. 1 Preliminaries			



25	Clause 25.0 - Payment			
	Clause 25.10 Replace "fourteen (14)" with "thirty (30)"			
	Materials and goods prematurely on site			
	Materials and goods brought onto the site prematurely shall not be authorised for payment [25.3.2]			
	Materials and goods stored off site			
	Materials and goods stored off site shall not be authorised for payment [25.3.2]			
	Fluctuations in costs			
	All fluctuations in costs, with the exception of fluctuations in the rate of Value Added Tax, shall be for the account of the contractor [25.3.4]			
	Prices submitted			
	Where prices are submitted by the contractor or subcontractor during the progress of the works in respect of contract instructions or in regard to a claim under the terms of this agreement and notwithstanding the fact that such prices may be used in an interim payment certificate, there is to be no presumption of acceptance. Should the principal agent wish to accept any such prices prior to the issue of the certificate of final completion, it shall be in writing			
	F: V: T:	ltem		
	Carried to Collection		R	
	Section No. 1 Bill No. 1 Preliminaries			



		 		
26	Clause 26.0 - Adjustment of the contract value and final account			
	Fluctuations in costs			
	All fluctuations in costs, with the exception of fluctuations in the rate of Value Added Tax, shall be for the account of the contractor [26.9.5]			
	Tenant installations/users requirements delayed			
	There is a possibility that certain works related to tenant installations/users requirements may have to be delayed and may consequently not be executed prior to practical completion			
	Should the contractor be instructed to do so he shall execute this work under the conditions pertaining to this agreement on the basis that a separate amount for preliminaries appurtenant to this work (if applicable) is agreed to between the contractor and the principal agent and on condition that instruction to proceed with such work is given to him within a period of three (3) calendar months after the date of practical completion of the works			
	The employer reserves the right to omit such work without compensation to the contractor for loss of profit or any other loss which the contractor may suffer as a result of such omission			
	Cost of claims			
	All costs incurred by the contractor in			
	Carried to Collection		R	
	Section No. 1 Bill No. 1 Preliminaries			



	the preparation of claims shall be borne by the contractor . This provision shall not preclude an adjudicator or an arbitrator appointed in terms of this agreement [30.6 & 7] from making a determination on costs Claims from subcontractors			
	The contractor shall review, assess and adjudicate any claims received by him from any subcontractor and thereafter submit same to the principal agent with a recommendation in order to assist the principal agent in adjudicating the claim [26.6]			
27	F: V:	Item		
	F: V:	Item		
28	Suspension and termination (A28 - A29) Clause 28.0 - Suspension by the contractor			
	F: V: T:	Item		
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	Section No. 1 Bill No. 1 Preliminaries		R	



29	Clause 29.0 - Termination			
	F: V: T:	Item		
	Dispute resolution (A30)			
30	Clause 30.0 - Dispute resolution			
	F: V: T:	Item		
31	Agreement			
	The required information of the parties and the amount of the contract sum shall be inserted in the agreement for signature of the agreement by the parties			
	F: V: T:	ltem		
32	Contract data			
	Tenderer's selection Before submission of his tender the contractor is to complete the tenderer's selection in the contract data			
	F: V: T:	Item		
	Carried to Collection		R	
	Section No. 1 Bill No. 1 Preliminaries			



		SECTION B: GENERAL PRELIMINARIES			
		Definitions and interpretation (B1)			
33		Clause 1.1 - Definitions			
34		F: V:	ltem		
34		Clause 1.2 - Interpretation			
		F: V:	Item		
		Documents (B2)			
35		Clause 2.1 - Checking of documents			
		F: V:	Item		
36		Clause 2.2 - Provisional bills of quantities			
		Multiple procurement			
		These bills of quantities are in multiple procurement format ie the "wet trades" - earthworks, concrete, formwork and reinforcement, precast concrete, masonry, waterproofing and sub-surface drainage - are provisionally measured and the subsequent trades are budgetary allowances and/or provisional sums			
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		Section No. 1 Bill No. 1 Preliminaries			
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37	Clause 2.3 - Availability of construction information			
	Budgetary allowances and provisional sums			
	The budgetary allowances and/or provisional sums allocated for subsequent trades included in this agreement will be separately procured, based on multiple procurement of subcontractors during the construction period			
	F: V: T:	Item		
38	Clause 2.4 - Ordering of materials and goods			
	F: V: T:	Item		
	Previous work and adjoining properties (B3)			
39	Clause 3.1 - Previous work - dimensional accuracy			
	F: V:	Item		
40	Clause 3.2 - Previous work - defects			
	F: V: T:	Item		
	Carried to Collection		R	
	Section No. 1 Bill No. 1 Preliminaries			



41	Clause 3.3 - Inspection of adjoining properties			
	F: V: T:	Item		
	The site (B4)			
42	Clause 4.1- Handover of site in stages			
	F: V:	Item		
43	Clause 4.2 - Enclosure of the works			
	F: V: T:	Item		
44	Clause 4.3 - Geotechnical and other investigations			
	F: T:	Item		
45	Clause 4.4 - Encroachments			
	F: V:	Item		
46	Clause 4.5 - Existing premises occupied			
	F: T:	Item		
	Carried to Collection		R	
	Section No. 1 Bill No. 1 Preliminaries			
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47		Clause 4.6 - Services - known			
		F: V:	Item		
		Management of contract (B5)			
48		Clause 5.1 - Management of the works			
		F: V:	Item		
49		Clause 5.2 - Progress meetings			
		F: V: T:	ltem		
50		Clause 5.3 - Technical meetings			
		F: V:	Item		
		Samples, shop drawings and manufacturer's instructions (B6)			
51		Clause 6.1 - Samples of materials			
		F: V:	Item		
52		Clause 6.2 - Workmanship samples			
		F: V: T:	Item		
		Carried to Collection		R	
		Section No. 1 Bill No. 1 Preliminaries			



53	Clause 6.3 - Shop drawings			
54	F: V: T: Clause 6.4 - Compliance with manufacturer's instructions	Item		
	F: V: T:	Item		
	Deposits and fees (B7)			
55	Clause 7.1 - Deposits and fees			
	F: V: T:	ltem		
	Temporary services (B8)			
56	Clause 8.1 - Water			
	F: V:	Item		
57	Clause 8.2 - Electricity			
	F: V:	Item		
58	Clause 8.3 - Ablution and welfare facilities			
	F: V: T:	ltem		
	Carried to Collection		R	
	Section No. 1 Bill No. 1 Preliminaries			



59	Clause 8.4 - Co	mmunication facilities			
	F:T:Prime cost amo		Item		
60	Clause 9.1 - Recost amounts	esponsibility for prime			
	F: T:		Item		
		subcontractors (B10)			
61	Clause 10.1 - G	eneral attendance			
	F: T:	. V:	Item		
62	Clause 10.2 - Sp	pecial attendance			
	F: T:	. V:	Item		
	General (B11)				
63	Clause 11.1 - Pr	otection of the works			
	F: T:		Item		
64	l	Protection/isolation of and works occupied			
	F: T:		Item		
		Carried to Collection		R	
	Section No. 1 Bill No. 1 Preliminaries			· ·	



65	Clause 11.3 - Security of the works			
66	F: V: T: Clause 11.4 - Notice before covering work	Item		
	F: V:	Item		
67	All work is to be carried out in such a manner as to cause no unacceptable or unreasonable dust, noise, vibrations, nuisance, inconvenience, annoyance and the like to the public, others, other properties and traffic in so far as they exceed the permissible limitations set by government legislation or by the local authority. Any delays, stoppages and the like arising from or in order to comply with the above will not constitute grounds for an adjustment to the construction period or contract value whatsoever F:	Item		
	Carried to Collection Section No. 1		R	
	Bill No. 1 Preliminaries			



68 Clause 11.6 Environmental disturbance Controlling all forms of pollution The **contractor** shall be responsible for and take all precautions in controlling by whatever means necessary all forms of pollution emanating from the site during the construction period due inter alia to noise, artificial light, wind-blown sand, dust, deposits of mud, etc. F:.... V:.... Item T:.... 69 Clause 11.7 - Works cleaning and clearing V:..... F:..... Item T:..... 70 Clause 11.8 - Vermin V:..... F:.... Item T:..... Clause 11.9 - Overhand work 71 F:.... V:..... T:..... Item 72 Clause 11.10 - Tenant installations F:.... V:..... Item T:..... **Carried to Collection** Section No. 1 Bill No. 1 **Preliminaries**



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73	Clause 11.11 - Ac	dvertising			
	F: T:	V:	Item		
		Carried to Collection		R	
	Section No. 1			.`.	
	Bill No. 1 Preliminaries				



	SECTION C: PRELIMINARIES	SPECIFIC			
74	Site instructions				
	Instructions issued on recorded in triplical instruction book who maintained on site by	te in a site ich is to be			
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	Carri	ed to Collection		R	L
	Section No. 1 Bill No. 1 Preliminaries				



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75	Warranties for materials and workmanship			
	Where warranties for materials and/or workmanship are called for, the contractor shall obtain a written warranty, addressed to the employer, from the entity supplying the materials and/or doing the work and shall deliver same to the principal agent on the final completion of the contract			
	The warranty shall state that workmanship, materials and installation are warranted for a specific period from the date of practical completion and that any defects that may arise during the specified period shall be made good at the expense of the entity supplying the materials and/or doing the work, upon written notice to do so			
	The warranty will not be enforced if the work is damaged by defects in the execution of the works , in which case the responsibility for replacement shall rest entirely with the contractor			
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	Carried to Collection		R	
	Section No. 1 Bill No. 1 Preliminaries			
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76	Overtime			
	Should overtime be required to be worked for any reason whatsoever, the cost of such overtime is to be borne by the contractor unless the principal agent has specifically authorised, prior to execution thereof, that costs for such overtime are to be borne by the employer			
	F: V: T:	 Item		
77	Co-operation of the contractor for cost management			
	It is specifically agreed that the contractor accepts the obligation of assisting the principal agent in implementing proper cost management. The contractor will be advised by the principal agent of all cost management procedures which will be implemented to ensure that the contract value does not exceed the budget			
	F: T:	Item		
	Carried to Collection Section No. 1		R	
	Bill No. 1 Preliminaries			



78	Overloading		
	The contractor shall take all necessary steps to ensure that no damage occurs due to overloading of any portion of the works or temporary works eg scaffolding, etc. The contractor shall submit details of his proposed loading, storage, plant erection, etc to the principal agent for approval prior to proceeding with such loading, storing or erecting and shall comply with and pay for the principal agent's requirements in connection with the provision of temporary support work, etc. Any damage caused to the works by overloading shall be made good by the contractor at his sole expense		
	F: V:	Item	
79	Propping of floors below The contractor is advised that propping of floors below may be required if he wishes to use any areas of completed suspended reinforced concrete slabs for vehicle access, storage of materials and goods and location of plant, scaffolding, etc. The location of these areas and any necessary propping shall be approved by the principal agent and the cost thereof shall be borne by the contractor		
	F: V:	Item	
	Carried to Collection Section No. 1 Bill No. 1 Preliminaries	n R	



80	Testing of flat roo watertightness	of waterproofing for			
	prepared with around them of an area approvagent, flooded values a test to ensur of the waterproof	proof areas shall be small sand dykes a size and enclosing red by the principal with water and kept least forty (40) hours re the watertightness offing and before any tion work is carried raterproofing			
	F: T:		Item		
81	Advertising rights				
	with advertising erection of ad banners, wraps duration of the contractor shall rarrangement are facilitation of stype of advertisagreed with the as not to hinder	ay elect to contract agencies for the vertising hoardings, or the like for the he contract. The not prevent such an ad will assist in the tame. Position and sing structure to be a principal agent so er the contractor in oligations under this			
	F: T:	V:	Item		
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	Section No. 1 Bill No. 1 Preliminaries				



Confidentiality The contractor undertakes to maintain in confidence any and all information regarding this project and shall obtain appropriate similar undertakings from all subcontractors and suppliers. Such information shall not be used in any way except in connection with the execution of the works No information regarding this project shall be published or disclosed without the prior written consent of the employer F					
maintain in confidence any and all information regarding this project and shall obtain appropriate similar undertakings from all subcontractors and suppliers. Such information shall not be used in any way except in connection with the execution of the works No information regarding this project shall be published or disclosed without the prior written consent of the employer F:	82	Confidentiality			
shall be published or disclosed without the prior written consent of the employer F:		maintain in confidence any and all information regarding this project and shall obtain appropriate similar undertakings from all subcontractors and suppliers. Such information shall not be used in any way except in connection with the execution of the works			
T:		shall be published or disclosed without the prior written consent of			
All rights of publication of articles in the media, together with any advertising relating thereto or in any way connected with this project, shall vest with the employer The contractor together with his subcontractors shall not, without the prior written consent of the employer, cause any statement or advertisement connected with this project to be printed, screened or aired by the media F:			Item		
the media, together with any advertising relating thereto or in any way connected with this project, shall vest with the employer The contractor together with his subcontractors shall not, without the prior written consent of the employer, cause any statement or advertisement connected with this project to be printed, screened or aired by the media F:	83	Media releases			
subcontractors shall not, without the prior written consent of the employer, cause any statement or advertisement connected with this project to be printed, screened or aired by the media F:		the media, together with any advertising relating thereto or in any way connected with this project,			
Carried to Collection Section No. 1 Bill No. 1		subcontractors shall not, without the prior written consent of the employer, cause any statement or advertisement connected with this project to be printed, screened or			
Section No. 1 Bill No. 1			Item		
Section No. 1 Bill No. 1		Carried to Collection		D	
		Section No. 1 Bill No. 1			



84	Testing of window	rs for watertightness					
	watertightness w on using adequat opinion of the pr pressure proves t then the pressure	nall be tested for ith water sprayed te pressure. If in the rincipal agent, the to be inadequate, e shall be boosted spressed air or other					
	F: T:	V:		Item			
85	Non-Cession of M	onies					
	assign his right	shall not cede or or claims to any or to become due ct					
	F: T:	V:		Item			
86	Proprietary Brande	ed Products					
	handle, store, use all proprietary bro strict accordan manufacturer's	instructions after the manufacturer's					
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		Carried to Collection			R		
	Section No. 1 Bill No. 1 Preliminaries						
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87	Drawings on Site			
	The Contractor shall maintain on Site at all times, a complete set of the latest revisions of the working drawings issued by the Architect, the Engineer, and the Electrical Consultant			
	F: V:	Item		
88	Labour Record			
	At the end of each week the contractor shall provide the Principal Agent with a written record, in schedule form, reflecting the number and description of tradesmen and labourers employed by him and all subcontractors on the works each day			
	F: V: T:	Item		
	Carried to Collection		R	
	Section No. 1 Bill No. 1 Preliminaries			



89	Scaffolding			
	No scaffolding is measured as these Bills of Quantities are based on the sixth edition of the Standard System for Measuring Building Work. However, the Tenderer is advised to study the drawings as scaffolding may be required in certain areas for use by himself and selected/nominated subcontractors and the contractor must establish or otherwise required by him or selected/nominated subcontractor including taking down and reerecting as may be necessary and no claims whatsoever will be entertained			
	F: V: T:	Item		
90	Plant Record			
	At the end of each week the contractor shall provide the Principal Agent with a written record, in schedule form, reflecting the number, type and capacity of all plant, excluding hand tools, currently used on the works			
	F: V:	Item		
91	Daywork			
	Where in the opinion of the Principal Agent any extra work cannot properly be measured or valued, the Contractor will be allowed daywork prices therefore calculated upon the costs defined hereunder together			
	Carried to Collection		R	
	Section No. 1 Bill No. 1 Preliminaries			



with the stated percentages. The total thus arrived at shall be the total amount recoverable by the Contractor for performing such work		
1. The costs to the Contractor or sub-contractor of materials, being the net cost (at current market prices) actually paid for such materials after the deduction of cash discounts or if materials are supplied from the Contractor's or sub-contractor's stock then the cost of such materials shall be based upon the current market price plus the cost of delivery to Site; to which net cost 7,5% thereof shall be added.		
2. The cost of labour to the Contractor or sub-contractor, being all items of direct cost of labour actually remunerated to the workmen concerned which shall include the cost of all allowances in terms of the industrial Conciliation Act (where applicable) or any other wage determination applying in the area where the daywork is executed: to which labour cost 7,5% shall be added		
Hourly base rates for labour shall be the current market rates for labour based upon standard working hours and shall be applied in respect of the time spent by workers directly engaged on the particular day works including any operators mechanical plant and transport and erecting and dismantling other plant. If a claim is made that individual workmen have		
Carried to Collection Section No. 1 Bill No. 1 Preliminaries	R	



been paid wages and allowances in excess of the minimum legalised rates, then proof must be furnished that such workmen had been so paid prior to the commencement of the daywork referred to 3. The rate for mechanical plant shall be commercial hire rates current at the time of executing the daywork and shall include fuel and insurance costs			
The above percentages shall cover head office charges; Site staff including Site supervision; third party and Contractors workmen compensation and unemployment insurance fund contributions; use, repair and sharpening of nonmechanical hand tools; use of erected scaffolding, staging, trestles and the like; use of tarpaulins, protective clothing, artificial lighting, safety and welfare facilities, storage and the like as may be available on the Site; and profit			
Supporting vouchers reflecting the time spent and materials used in each week shall be delivered for verification to the Principal Agent not later than twenty calendar days after the end of the week concerned. Should the Contractor fail to submit the vouchers within this time, the Principal Agent shall determine a fair price for the work			
F: V: T: Carried to Collection	Item	R	
Section No. 1 Bill No. 1 Preliminaries			



92	Unauthorised Persons/Worki Premises	men on			
	The Contractor shall at a strictly exclude all unau persons from the site and sup notice boards to that effective contractors are contracted as the contractor of the contract	uthorized hall set			
	F: V: T:		Item		
93	Guarantees and Main Instructions/Manuals	tenance			
	The Contractor shall obtohand over to the Archir Practical Completion, all guarantees, any operating maintenance manuals, or instructions required by the Manuf Suppliers, or Sub-contractors	tect on relevant ng and data or Architect			
	The Contractor shall ensure warranties and guarantees of are fully ceded to the Emp Final Completion, failing where the configuration of the Configuration of the Configuration will be withheld is satisfactorily completed	received loyer on nich the struction			
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	Carried to (Collection		R	
	Bill No. 1 Preliminaries				



94	Removal and Making Good of Temporary Works, etc. on Completion			
	The Contractor shall remove all temporary works, roads, services and the like used for this contract and shall make good to the entire satisfaction of the Architect any damages resulting there from			
	F: V:	ltem		
95	Indemnities			
	Indemnities shall be sought by the Architect from all Contractors and Sub-contractors undertaking any design responsibility			
	F: V:	ltem		
96	Shop Drawings			
	The term 'Shop Drawings' shall mean drawings, layout drawings, illustrations, schedules, performance charts, brochures, operating manuals, other data which are prepared by the Contractor or Subcontractor, Manufacturer, Supplier or Distributor and which illustrate some portion of the work			
	The Contractor shall ensure that all shop drawings required for the work in terms of this Contract, all selected/nominated Sub-contracts and/or Architect's instructions, are prepared and submitted timeously in accordance with the following			
	Carried to Collection		R	
	Section No. 1 Bill No. 1 Preliminaries			



procedure			
(a) Three prints of shop drawings of all fabricated work, working or setting out drawings, shop details and schedules shall be submitted to the Architect for approval. Such work shall not be carried out until such approval has been given			
(b) Shop drawings shall be submitted to the Architect for approval at least two weeks prior to the date on which such approval is required in order to comply with the Contract Programme			
(c) All submissions shall be prepared in accordance with the Contract Drawings and specifications and/or any Architect's instructions and any deviation shall be specifically highlighted in writing, with a detailed explanation of the reason for such deviation, together with any cost and/or time implication			
Delays in approval of shop drawings due to non-compliance with drawings, specifications and/or Architect's instructions shall not constitute grounds for any claims for delays			
F: T:	Item		
Carried to Collection Section No. 1 Bill No. 1 Preliminaries		R	



97	Location of Temporary Buildings and			
	Temporary Services The Contractor shall provide all necessary temporary works, including temporary roads, tracks, crossings, hardstanding, and services, etc., required for his own Sub-contractors use during the construction and maintenance period			
	There is no guarantee given or implied that site conditions will be such that the Contractor will be able to erect such offices, stores and temporary accommodation within the site boundaries and it shall be the Contractors responsibility to adopt whatever measures he deems necessary in this regard and to obtain all necessary permission and pay all costs in connection therewith			
	F: V:	Item		
	Carried to Collection Section No. 1 Bill No. 1 Preliminaries		R	



98	Commodities to be New			
	All commodities, goods, articles or materials throughout the building are to be new except where re-use of existing is specified and are to be handled, stored, used and/or fixed with care to ensure that they are in perfect condition when incorporated into the works and thereafter properly protected so as to ensure that they are likewise in perfect condition when handed over at completion of the works			
	F: V:	Item		
99	Cost of Claims Costs incurred by the Contractor in			
	the preparation of claims accepted by the Principal Agent shall be borne by the Contractor			
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	Carried to Collection		R	
	Section No. 1 Bill No. 1 Preliminaries			



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100		Overloading			
		 The Contractor shall take all			
		necessary steps to ensure that no			
		damage occurs due to overloading			
		of any portion of the works. The			
		Contractor shall submit details of his			
		proposed loading, storage, plant,			
		erection, etc., to the Architect for their approval prior to proceeding			
		with such loading, storing or erecting			
		and shall comply with and pay for			
		the Engineer's requirements in			
		connection with the provision of			
		temporary support work, etc. Any			
		damage caused to the works by overloading shall be made good by			
		the Contractor at his sole expense			
		The Confidence of this sole expense			
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101		 Environmental Management Plan			
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		The contractor shall take all			
		necessary measures to comply with			
		the Environmental Management			
		Plan (EMP) and make adequate provision to accommodate the			
		requirements of the EMP			
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102		Health and safety			
		·			
		Without limiting the generality of the			
		provisions of clause 2.0, the contractor's attention is drawn to the			
		provisions of the Construction			
		Regulations issued in terms of the			
		Occupational Health and Safety			
		Act, 1993 as amended. It is			
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		Carried to Collection		R	
		Section No. 1 Bill No. 1			
		Preliminaries			



specifically stated that the employer shall prepare a documented health and safety specification for the			
works and that the employer shall ensure that the contractor has made provision for the cost of health and safety measures during the			
execution of the works. The contractor shall price opposite this item for compliance with the act and the reasonable provisions of the aforementioned health and safety specification [2.1]			
The contractor shall			
Comply with the health and safety specification for the works			
Prepare and agree with the health and safety consultant the health and safety plan for the works			
Cooperate with the health and safety consultant in all respects			
4. Manage the compliance of all subcontractors with the regulations and with the health and safety plan and specification			
5. Conform to the conditions contained in the employer's health and safety specification			
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Carried to Collection		R	
Section No. 1 Bill No. 1 Preliminaries			



103	Transformation and Empo Requirements	owerment				
	The contractor shall necessary measures to conthe document titled: Emporage Breakdown of 15 point, corrupting Property Comparts adequate proving accommodate the requesting to job creation, job training and developme SMME utilisation, local utilisation, enterprise development.	mply with owerment mpiled by any, and ision to uirements o intensity, ant, local material elopment,				
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	Section No. 1 Bill No. 1 Preliminaries					
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Section No. 1			
Bill No. 1			
Preliminaries			
COLLECTION			
	Page No		Amount
Total Brought Forward from Page No.	1		
	2		
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	4		
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	18		
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Carried Forward		R	
Section No. 1 Bill No. 1 Preliminaries			



Section No. 1			
Bill No. 1			
Preliminaries			
COLLECTION			
	Page		Amount
Brought Forward	No	R	
	20		
Total Brought Forward from Page No.			
	21		
	22		
	23		
	24		
	25		
	26		
	27		
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	29		
	30		
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	32		
	33		
	34		
	35		
	36		
	37		
Section No. 1 Bill No. 1		R	
Preliminaries			



Section No. 1			
Bill No. 1			
Preliminaries			
COLLECTION			
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Total Brought Forward from Page No.	38		
	39		
	40		
	41		
	42		
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	47		
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	53		
	54		
	55		
Carried Forward		R	
Section No. 1 Bill No. 1			
Preliminaries			



Section No. 1			
Bill No. 1			
Preliminaries			
COLLECTION			
	Page		Amount
Brought Forward	No	R	
Total Brought Forward from Page No.	56		
	57		
Carried to Final Summary Section No. 1		R	
Bill No. 1 Preliminaries			



Item No		Quantity	Rate	Amount
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	BILL NO. 1			
	ALTERATIONS			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2017 Edition)			
	TENDERERS ARE TO NOTE THAT ALL WORK IS TO BE EXECUTED IN EXISTING BUILDINGS IN A COMBINATION OF NEW WORK, WORK IN PATCHES AND WORK IN SMALL QUANTITIES.			
	SUPPLEMENTARY PREAMBLES			
	Site inspection			
	The Tenderer is advised to visit the site, inspect the existing premises and acquaint himself thoroughly with the nature of the work specified.			
	Sizes and dimensions			
	All sizes and dimensions stated herein are approximate and deemed only sufficient to identify the item of work concerned.			
	No allowance for overbreak has been made to any of the adjoining structures, walls, finishes, etc., where removals or pockets occur (the nett opening size, etc., has been made good in later items of this bill where such making good has not been included with the item) and the Contractor must allow in his prices for making good any overbreak that may occur.			
	Carried to Collection		R	
	Section No. 2 Bill No. 1 Alterations			



<u>Materials</u>			
Old materials from alterations, except of described to be re-used or handed over, be the property of the contractor.			
Old materials from the alterations, except of described to be re-used or handed over, as well rubish, etc., must be regularly carted from site and not be allowed to accumulate around the site.	vell as m the		
None of the old materials are to be used fo work except where specifically described as set aside for re-use.			
Where certain materials or articles from demonstrations are described as to be handed by the Contractor to the Client, such materials shall be properly stored by the Contractor until handing over thereof. The Contractor obtain an official receipt listing the material articles and dates of handing over. In Contractor fails to submit the receipt requested to do so, it shall be deemed the materials or articles are still in his possession a will be held liable to the Client for the replacement value thereof, which amount will deducted from any monies due to the Contractor.	d over ials or actor, must als or f the when at the and he e full vill be		
<u>General</u>			
All new finishes are measured in the relevant for new work.	rades		
Allow for watering the works sufficiently to pr nuisance from dust.	event		
All alteration works described hereunder shall the use of an approved screed or plaster repcompound and preparing existing surfac receive new.	pairing		
Carried to Co	llection	R	
Section No. 2 Bill No. 1 Alterations			



	Provide all necessary propping, etc., required to ensure the safety and stability of the structure during the contract period and remove at completion. Provide all necessary additional barricades, screens, overhead protections, etc., required to ensure the safety of persons, property, etc., and remove at completion. All alteration work is within an existing facility. The contractor shall take utmost care to minimise damage to existing completed works in the vicinity of the alteration works.				
	TEMPORARY BARRIERS, SCREENS, ETC.				
	Temporary barriers, screens, etc., including removal				
1	Dust screen 2400mm high on gravel surface, formed of suitable timber framing with corrugated iron sheeting fixed to one side including corners, ends, etc.	m	40		
2	Extra over ditto for single leaf door size overall 1100 x 3350mm high, including all necessary posts, framing, lock, etc.	No	1		
	REMOVAL OF EXISTING WORK				
	Taking out and removing doors, windows, etc. including thresholds, sills, etc. (building up openings elsewhere)				
3	Single door and steel frame unit size overall 813 x 2032mm high from one brick wall.	No	2		
4	Door lockset including handles, escutcheons, cylinders, etc.	No	5		
	Carried to Collection			R	
	Section No. 2 Bill No. 1 Alterations				



New Booysen

	Take out and remove glass, mirrors, etc.:				
5	Glass from steel windows including cleaning out rebates and preparing for new glass.	m2	2		
6	Mirror size 500 x 600mm high.	No	2		
	Take down and remove roofs, floors, panelling, ceilings, partitions, etc:				
7	Corrugated iron roof sheeting from timber purlins.	m2	39		
8	Timber roof trusses, size overall 10360 x 3750mm wide on plan 3000mm above ground level including brandering, bracing, gangboarding, purlins, wall ties, wall plates, etc.	No	1		
9	Suspended plasterboard ceilings including suspension grid, hangers, cornices, etc.	m2	29		
10	100 x 125mm Box gutters including hailguards.	m	43		
11	100mm Downpipes.	m	18		
	Take out/off and remove sundry metalwork:				
12	2100mm High steel palisade fence including intermediate posts at 2,50m centres, end posts, gates, concrete bases, etc.	m	46		
13	Hand dryer including disconnecting complete.	No	2		
	Hack up/off and remove granolithic, screeds, plaster, etc. from concrete or brickwork and prepare surfaces for new screeds, plaster, etc:				
14	External plaster from walls and columns.	m2	20		
	Hack up/off and remove wall and floor tiles including removing mortar bed or backing and preparing concrete or brick surfaces for new screed, plaster or tile finishes:				
15	Ceramic floor tiles.	m2	5		
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	Carried to Collection			R	
	Section No. 2 Bill No. 1 Alterations				



New Booysen

16	Ceramic wall tiles.	m2	5		
	Take out and remove piping, sanitary fittings, etc. including disconnecting piping from fittings and making good floor and wall finishes (making good tiling and paintwork elsewhere):				
17	Water closet with all necessary piping, stop cocks, valves, etc.	No	3		
18	Wash hand basin with all necessary piping, stop cocks, valves, taps, etc.	No	6		
19	Urinal with all necessary piping, stop cocks, valves, etc.	No	4		
20	Toilet roll holders, soap dispensers, paper towel dispensers, dustbins, etc.	No	9		
	MAKE GOOD FINISHES, ETC.				
	Make good internal granolithic, screed, plaster, etc. to match existing:				
21	Floors in patches.	m2	5		
22	Walls in patches.	m2	5		
	Clean down existing:				
23	Deep clean existing tiles.	m2	68		
24	Clean down existing glazing.	m2	5		
	REPAIR WORK AND SERVICING OF EXISTING DOORS AND WINDOWS				
	Carried to Collection			R	
	Section No. 2 Bill No. 1 Alterations				



	Steel Windows:				
25	Repair and service existing steel windows, shopfronts and ironmongery including lubricating all components, tightening all loose screws, replacing missing fixtures, realigning opening sections, replacing damaged putty, etc. Timber Doors Hung on Steel Frames:	m2	8		
26	Repair and service existing timber doors, steel				
	frames and ironmongery including lubricating all components, tightening all loose screws, replacing missing fixtures, straightening out striking plates, etc.	No	7		
	Carried to Collection			R	
	Section No. 2 Bill No. 1 Alterations				



Section No. 2				
Bill No. 1				
Alterations				
COLLECTION				
	Page No		Amount	
Total Brought Forward from Page No.	62			
	63			
	64			
	65			
	66			
	67			
Carried Forward to Summary of Section No. 2		R		
Section No. 2 Bill No. 1				_
Alterations				



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Item		Quantity	Rate	Amount
No	SECTION NO. 2			
	BILL NO. 2			
	WATERPROOFING			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2017 Edition)			
	TENDERERS ARE TO NOTE THAT ALL WORK IS TO BE EXECUTED IN EXISTING BUILDINGS IN A COMBINATION OF NEW WORK, WORK IN PATCHES AND WORK IN SMALL QUANTITIES.			
	SUPPLEMENTARY PREAMBLES			
	<u>Waterproofing</u>			
	Waterproofing of roofs, basements, etc. shall be laid under a ten year guarantee. Waterproofing to roofs shall be laid to even falls to outlets etc with necessary ridges, hips and valleys. Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs.			
	PROTECTIVE PAINT			
	Prepare existing surfaces and spray apply Aquagard 422, or equal approved, clear penetrating waterproof sealant in strict accordance with the manufacturers instructions on:			
1	External facebrick walls and plaster surfaces.	m2 40		
	Carried Forward to Summary of Section No. 2		R	
	Section No. 2 Bill No. 2 Waterproofing			



				New Booysen
Item No		Quanti	ty Rate	Amount
140	SECTION NO. 2			
	BILL NO. 3			
	ROOF COVERINGS, ETC.			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2017 Edition)			
	TENDERERS ARE TO NOTE THAT ALL WORK IS TO BE EXECUTED IN EXISTING BUILDINGS IN A COMBINATION OF NEW WORK, WORK IN PATCHES AND WORK IN SMALL QUANTITIES.			
	SUPPLEMENTARY PREAMBLES			
	Straight cutting			
	Description of all roof coverings are deemed to include for all straight cutting			
	PROFILED METAL SHEETING AND ACCESSORIES			
	0,50mm Thick profiled light industrial zincalume sheet metal roof sheeting, sheets 700mm wide with one male and female rib at ends 42mm high and two centre ribs 42mm high, with chromadek finish on one side in single lengths fixed to timber purlins by means of concealed fixings with 42mm deep flutes and fully interlocking fixing clips, including heavy industrial gauge chromadek finished accessories, fixed in strict accordance with the manufacturer's instructions:			
1	Sheeting laid to roof not exceeding 50 degrees in single lengths (measured nett).	m2	40	
	Carried Forward to Summary of Section No. 2		F	R
	Section No. 2 Bill No. 3 Roof Coverings, Etc.			



SECTION NO. 2 BILL NO. 4 CARPENTRY AND JOINERY The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2017 Edition) TENDERERS ARE TO NOTE THAT ALL WORK IS TO BE EXECUTED IN EXISTING BUILDINGS IN A COMBINATION OF NEW WORK, WORK IN PATCHES AND WORK IN SMALL QUANTITIES. SUPPLEMENTARY PREAMBLES PREFABRICATED TIMBER ROOF TRUSSES TIMBER Timber for trusses shall be of South African softwood and be at least of grade 4 and in accordance with SABS Specification No. 563 or 1460. BOLTS Botts shall be to BS 4190 or SABS 135. SHEAR PLATES, TOOTH CONNECTORS AND SPLIT RINGS	
CARPENTRY AND JOINERY The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2017 Edition) TENDERERS ARE TO NOTE THAT ALL WORK IS TO BE EXECUTED IN EXISTING BUILDINGS IN A COMBINATION OF NEW WORK, WORK IN PATCHES AND WORK IN SMALL QUANTITIES. SUPPLEMENTARY PREAMBLES PREFABRICATED TIMBER ROOF TRUSSES TIMBER Timber for trusses shall be of South African softwood and be at least of grade 4 and in accordance with SABS Specification No. 563 or 1460. BOLTS Bolts shall be to BS 4190 or SABS 135. SHEAR PLATES, TOOTH CONNECTORS AND SPLIT RINGS	
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Bolts shall be to BS 4190 or SABS 135. SHEAR PLATES, TOOTH CONNECTORS AND SPLIT RINGS	
SHEAR PLATES, TOOTH CONNECTORS AND SPLIT RINGS	
RINGS	
These shall be as specified in BBS 1759: 1960 and installed in accordance with the CSIR Publication HOUT 468, 'the Design, Manufacture and Erection of Timber Trusses'.	
Carried to Collection	
Section No. 2 Bill No. 4 Carpentry and Joinery	



		New Booyse
NAILS		
These shall be in accordance with SABS 820 : 1974.		
METAL CONNECTOR PLATES		
Metal truss connector plates shall be fabricated out of galvanised steel of at least 1mm nominal thickness.		
The steel used shall have a minimum yield strength of 250MPa and a minimum ultimate tensile strength of 330MPa. The corrosion resistant coating shall be 0.275kg/m2 commercial class hot dipped galvanising.		
The connector shall have been tested by the CSIR and be of a size capable of transmitting between the members of truss without exceeding the design values given in the CSIR report.		
<u>FABRICATION</u>		
Prefabricated trusses shall be fabricated in a factory by a truss fabricator who has been awarded a Certificate of Competence by the Institute of Timber Construction and is approved by the Architect.		
The trusses shall be constructed to ensure the correct profile, overhangs and cambers.		
Where metal connector plates are used all joints shall be close fitting butt joints made by precision pressing of the metal connector plates into each side of the joint.		
TRUSS DESIGN		
All trusses shall be designed by a registered Professional Engineer in accordance with the SABS Code of Practice for the Design of Timber Structures, SABS 0163 and the code of Practice for Procedures and Loadings SABS 0160.		
Carried to Collection	R	
Section No. 2		
Bill No. 4 Carpentry and Joinery		
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TRUSS SPACING AND PITCH		
The truss centres shall be less than or equal to that shown on the drawing.		
The truss pitch shall be as shown on the drawings issued herewith.		
<u>DRAWINGS</u>		
Polyester prints, of size A1, shall be provided to the Engineer for approval prior to fabrication.		
These drawings shall be signed by a Professional Engineer.		
The following minimum information shall be supplied:		
Details of the roof system with the positions of all trusses, girders and beams clearly indicated.		
Bracing details.		
All member sizes and grades.		
Connector plate sizes for all truss joints. Code numbers are deemed to be insufficient.		
All connection and hold down details between trusses, girders, beams and supports.		
The type of roof covering, ceiling and any other loads taken into account in the design.		
Carried to Collection	R	
Section No. 2 Bill No. 4		=
Carpentry and Joinery		



		New Booyse	71 I
GENERAL			
The schedule of prices shall include all timber of the required grade and type shown on the designs, all cutting and waste, cutting to exact lengths and end angles necessary to manufacture the respective truss types, the supply of all connector plates, fabrication of the trusses checking the completed trusses for quality and loading up and transporting to the site of the works, off loading, storing and erecting on site.			
ERECTION			
The trusses shall be hoisted and erected strictly in accordance with the procedures and recommendations of the manual 'The Erection and Bracing of Timber Roof Trusses' published by the Institute for Timber Construction, the Council for Scientific and Industrial Research and as detailed by the designer. The complete structure shall be inspected by the			
truss designer to ensure that the manufacture of the trusses and erection details have been complied with. TRUSS LOADING			
<u>Trusses shall be designed for:</u>			
Roof cover - Sheet Metal Roof Sheeting.			
Ceilings - 9mm thick gypsum ceilings.			
TRUSSES			
All trusses etc. shall be to the approval of the Engineer and shall comply with the drawings issued with this Bills of Quantities.			
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Carried to Collection Section No. 2 Bill No. 4 Carpentry and Joinery	R		



New Booysen

	Prefabricated trusses including girders, hips, valleys, runners, bracing, cleats, battens, etc. supplied and fixed complete:				
1	Rectangular shaped roof size overall 10360 x 3750mm wide on plan including hoisting and fixing in position approximately 3000mm above ground level.	No	1		
	SUNDRY ROOF TIMBERS				
2	38 x 114mm Wall plate bedded on and including 1:3 cement mortar bedding.	m	43		
3	38 x 76 Brandering.	m	14		
	FASCIAS AND BARGE BOARDS, ETC.				
	Tempered fibre cement:				
4	15 x 300mm Fascia board countersunk screwed to roof timbers (elsewhere) with one brass screw at maximum 750mm centres and butt jointed with and including standard fascia jointing plates at all joints.	m	43		
5	15 x 300mm Barge board countersunk screwed to roof timbers (elsewhere) with one brass screw at maximum 750mm centres and butt jointed with and including standard fascia jointing plates at all joints.	m	43		
	DOORS, WINDOWS, SASHES, ETC.				
	Semi-solid flush doors:				
	44mm Thick door with hardwood concealed edge strips finished on both sides with commercial veneer and hung on steel frames (frames elsewhere):				
6	Door size overall 813 x 2032mm high.	No	2		
	Carried to Collection			R	
	Section No. 2 Bill No. 4 Carpentry and Joinery				



Section No. 2				
Bill No. 4				
Carpentry and Joinery				
COLLECTION				
	Page No		Amount	
Total Brought Forward from Page No.	71			L
	72			
	73			,
	74			
	75			.
Carried Forward to Summary of Section No. 2		R		
Section No. 2 Bill No. 4 Carporty and Joinery				
Carpentry and Joinery				<u></u>



	New Boovsen

ltem No		Quantity	Rate	Amount
	SECTION NO. 2			
	BILL NO. 5			
	CEILINGS, PARTITIONS AND ACCESS FLOORING			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2017 Edition)			
	TENDERERS ARE TO NOTE THAT ALL WORK IS TO BE EXECUTED IN EXISTING BUILDINGS IN A COMBINATION OF NEW WORK, WORK IN PATCHES AND WORK IN SMALL QUANTITIES.			
	SUSPENDED CEILINGS			
1	9,5mm Thick "Gyproc Rhinoboard" gypsum plasterboard ceiling screwed to and including "Donn T37K" screw up ceiling grid with drywall screws spaced at 150mm centres including galvanised main tees at 1200mm centres and cross tees at 600mm centres, all suspended with 25 x 25mm galvanised angles at not exceeding 1200mm centres with 63mm wide strips of mesh scrim nailed over joints and the whole ceiling finished with and including "Gyproc Rhinolite" skim plaster trowelled to a smooth polished surface in strict accordance with the manufacturer's instructions: Ceiling suspended not exceeding 1m below concrete soffits. m2	29		
	Section No. 2		R	
	Bill No. 5 Ceilings, Partitions and Access Flooring			



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	Powdercoated shadowline cornices:			
2	25mm GMS shadowline cornice secured to plastered wall and ceiling boarding including mitres, etc.	39		
	Carried to Collection		R	
	Section No. 2			
	Bill No. 5 Ceilings, Partitions and Access Flooring			



New Booysen

Bill No. 5 Ceilings, Partitions and Access Flooring	
Ceilings, Partitions and Access Flooring	
COLLECTION	
Page Amou	nt
Total Brought Forward from Page No. No 77	
78	
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Carried Forward to Summary of Section No. 2	
Bill No. 5 Ceilings, Partitions and Access Flooring	



em No			Quantity	Rate	Amount
.0	SECTION NO. 2				
	BILL NO. 6				
	IRONMONGERY				
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2017 Edition)				
	TENDERERS ARE TO NOTE THAT ALL WORK IS TO BE EXECUTED IN EXISTING BUILDINGS IN A COMBINATION OF NEW WORK, WORK IN PATCHES AND WORK IN SMALL QUANTITIES.				
	LOCKS				
1	"Q\$6055/1/A\$/\$\$" Cylinder latch and dead bolt lock.	No	3		
2	"Q\$6055/3/A\$/\$\$" Cylinder roller ball lock.	No	2		
3	"QS4406/QS4409" Thumbturn wc indicator bolt.	No	3		
4	"QSR" Rebate conversion set.	No	6		
	HANDLES, ETC.				
5	"IW 1212/62/05" Set of two lever handles with 3mm aluminium backplates fixed back to back.	No	3		
6	"QS4403" Stainless steel cylinder escutcheon.	Pairs	3		
	PUSH PLATES				
7	"Union" 400 x 800 x 1,6mm thick SS5089-400W stainless steel kick plate.	No	3		
	Section No. 2 Bill No. 6			R	



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	LETTERS, NAMEPLATES, ETC.					
8	"Union" 152 x 152 x 3mm aluminium plate anodised silver with male pictogram Ref. No. AL5063E-06ASE10	No	1			
9	"Union" 152 x 152 x 3mm aluminium plate anodised silver with female pictogram Ref. No. AL5063E-06ASE11	No	1			
10	"Union" 152 x 152 x 3mm aluminium plate anodised silver with paraplegic pictogram Ref. No. AL5066E-06ASE14	No	1			
11	"Union" 152 x 152 x 3mm aluminium plate anodised silver with baby pictogram Ref. No. IW6004	No	1			
	<u>SUNDRIES</u>					
	BATHROOM FITTINGS					
12	"Kwakuhle Hygiene" lockable and vandal resistant white powder coated metal roll holder Ref TR3W.	No	3			
13	"Kwakuhle Hygiene" ABS construction lockable Roll Control Paper Dispenser with viewing window in colour white.	No	2			
14	"Kwakuhle Hygiene" stainless steel 950ml vandal and theft resistant Soap Dispenser.	No	3			
15	"Costa Lambrianos CLX 2500 (Ref. 59)" stainless steel fully automatic hand dryer with infrared sensor plugged to wall.	No	2			
16	"Chilli B CL-01052" 820mm long x 540mm wide horizontal wall mounted baby changing station with 480mm high foldable lid, high density polyethylene interior, top shelf, adjustable safety belt, bag hooks, etc. with a bearing weight of 20kg installed in strict accordance with the manufacturer's instructions.	No	1			
	Carried to Collection			R		
	Section No. 2 Bill No. 6					
	Ironmongery					



					<u> </u>
	GRAB RAILS, ETC.				
17	"Railman Grabrails DL2" stainless steel dogleg grab rail plugged to wall in strict accordance with the manufacturer's instructions.	No	1		
18	"Railman Grabrails SR2" stainless steel rear grab rail plugged to wall in strict accordance with the manufacturer's instructions.	No	1		
	TOILET BINS				
	Stainless steel				
19	Half moon wall mounted bin size 330 x 450 x 180mm.	No	2		
	Carried to Collection			R	
	Section No. 2 Bill No. 6				
	Ironmongery				



Section No. 2			
Bill No. 6			
Ironmongery			
COLLECTION			
	Page No		Amount
Total Brought Forward from Page No.	80		
	81		
	82		
Carried Forward to Summary of Section No. 2		R	
Section No. 2 Bill No. 6			
Ironmongery			



Item No		Quantity	Rate	Amount
	SECTION NO. 2			
	BILL NO. 7			
	METALWORK			
	Tenderers are advised to study the "Model Preambles for Trades 1999" before accepting and signing for this Schedule.			
	SUPPLEMENTARY PREAMBLES			
	<u>Descriptions</u>			
	Descriptions of bolts shall be deemed to include nuts and washers Descriptions of expansion anchors and bolts an chemical anchors and bolts shall be deemed to include nuts, washers and mortises in brickwork or concrete Metalwork described as "holed for bolts(s)" shall be deemed to exclude the bolts unless otherwise described			
	PRESSED STEEL DOOR FRAMES			
	1,6mm Thick double rebated frames suitable for half brick walls complete with hoop iron anchors welded to frame, one adjustable stainless steel striking plate suitable for cylinder locks, three rubber shock absorbers in rebate and one pair of 100mm standard heavy duty brass butt hinges welded to frame:			
1	Frame for door size 813 x 2032mm high. No	2		
	STEEL BURGLAR PROOF SCREENS			
	Carried to Collection		R	
	Section No. 2 Bill No. 7 Metalwork			



New Booysen

	Welded mild steel burglar proof screens formed of				
	40 x 40 x 2.5mm thick angle section framing with mitred and welded corners, the frame filled in with				
	40 x 6mm flat bars at 105mm centres, built into wall with heavy duty lugs including tack welding nuts				
	and washers				
2	Burglar proofing screen size overall $790 \times 2230 \text{mm}$ high formed with $40 \times 40 \times 2.5 \text{mm}$ equal leg angle framed frame infilled horizontally with and including $40 \times 6 \text{mm}$ flat bar at 105mm centres.	No	2		
	Carried to Collection			R	
	Section No. 2 Bill No. 7				
	Metalwork				



Section No. 2			
Bill No. 7			
Metalwork			
COLLECTION			
Total Brought Forward from Page No.	Page No 84 85		Amount
Carried Forward to Summary of Section No. 2		R	
Section No. 2 Bill No. 7 Metalwork			



New Boovsen

Item No			Quantity	Rate	Amount
	SECTION NO. 2				
	BILL NO. 8				
	<u>PLASTERING</u>				
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2017 Edition)				
	TENDERERS ARE TO NOTE THAT ALL WORK IS TO BE EXECUTED IN EXISTING BUILDINGS IN A COMBINATION OF NEW WORK, WORK IN PATCHES AND WORK IN SMALL QUANTITIES.				
	EXTERNAL PLASTER				
	One coat cement plaster mimimum 15mm thick (5:1) wood floated to receive tiles (elsewhere) including all labours on:				
1	Brick vertical surfaces (part on concrete).	m2	112		
2	Narrow widths.	m2	11		
	EXTERNAL PLASTER				
	Two coats cement plaster comprising one coat cement plaster minimum 15mm thick (5:1) steel floated and one finishing coat rhinolite including all labours on:				
3	Brick vertical surfaces (part on concrete).	m2	5		
4	Narrow widths.	m2	2		
	Carried Forward to Summary of Section No. 2			R	
	Section No. 2 Bill No. 8 Plastering				



Item No		Quantity	Rate	Amount
140	SECTION NO. 2			
	BILL NO. 9			
	TILING			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2017 Edition)			
	TENDERERS ARE TO NOTE THAT ALL WORK IS TO BE EXECUTED IN EXISTING BUILDINGS IN A COMBINATION OF NEW WORK, WORK IN PATCHES AND WORK IN SMALL QUANTITIES.			
	SUPPLEMENTARY PREAMBLES			
	Unless described as "fixed with adhesive to plaster (plaster elsewhere)" descriptions of tiling on brick or concrete walls, columns, etc shall be deemed to include 1:4 cement plaster backing and descriptions of tiling on concrete floors etc shall be deemed to include 1:3 plaster bedding			
	WALL TILING			
	Allow a Prime Cost Amount of R170/m2 for ceramic tiles fixed with an approved adhesive to plaster (plaster elsewhere) and flush pointed with tinted jointing compond on:			
1	Walls.	m2 5		
2	Narrow widths.	m2 2		
	FLOOR TILING			
	Carried to Collection		R	
	Section No. 2 Bill No. 9 Tiling			



	Allow a Prime Cost Amount of R170/m2 for ceramic floor tiles fixed with an approved adhesive on plaster bedding (bedding elsewhere) and flush pointed with tinted waterproof jointing compound on:				
3	Floors.	m2	5		
4	Narrow widths.	m2	2		
	SUNDRIES				
	Corner protectors, dividing strips, etc.:				
5	"Kirk M-Trim PRE090" 9mm high white PVC round edge trim fixed with patent adhesive to external wall corners.	m	10		
	Carried to Collection			R	
	Section No. 2 Bill No. 9 Tilling				
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Section No. 2				
Bill No. 9				
Tiling				
COLLECTION				
	Page		Amount	
	No			
Total Brought Forward from Page No.	88			ļ
	89			
Carried Forward to Summary of Section No. 2		R		
Section No. 2				
Bill No. 9 Tiling				



Item No			Quantity	Rate	Amount
	SECTION NO. 2				
	BILL NO. 10				
	PLUMBING AND DRAINAGE				
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2017 Edition)				
	TENDERERS ARE TO NOTE THAT ALL WORK IS TO BE EXECUTED IN EXISTING BUILDINGS IN A COMBINATION OF NEW WORK, WORK IN PATCHES AND WORK IN SMALL QUANTITIES.				
	RAINWATER DISPOSAL				
	0,6mm Thick seamless aluminium eaves gutters, downpipes and accessories with chromadek finish:				
1	125 x 100mm Rectangular eaves gutter with and including 125mm wide hot dipped galvanised mild steel hailguard formed of "Mentex Ref. 118" or equal approved once bent and tack welded to top of gutter.	m	43		
2	Extra for stop end.	No	8		
3	Extra for outlet with nozzle for and jointed to 100 x 75mm rectangular downpipe.	No	6		
4	100 x 75mm Rainwater downpipe fixed to brick wall.	m	18		
5	Extra for shoe.	No	6		
	SANITARY FITTINGS				
	Carried to Collection			R	
	Section No. 2 Bill No. 10 Plumbing and Drainage				



White vitreous china:				
"Vaal Daisy Elite (Ref. 772403WH)" semi-close coupled wc suite comprising 90° outlet pan and matching 9 litre cistern including heavy duty white double flap seat, flushpipe, fixing in position and connecting complete in strict accordance with the manufacturer's instructions.	No	3		
"Vaal Lavatera (Ref. 705427WH)" wall mounted back inlet bowl urinal with and including "Cobra FJ8.102) flush valve, 38mm chromium plated domical grating and chromium plated back inlet spreader (Code: 85417000), fixed on and including two hanger brackets (Code: 81277000) and connected complete in strict accordance with the manufacturer's instructions.	No	4		
"Vaal Hibiscus (Ref. 702303AV)" one tap hole wash hand basin complete with chromium plated waste union, chain and stay, vulcanite plugs and fixing in position on and including two semi-concealed brackets including sealing with an approved waterproof sealer and connecting complete in strict accordance with the manufacturer's instructions (taps elsewhere).	No	6		
TRAPS, ETC.				
"Cobra (Ref. 340)" 40mm chromium plated brass bottle trap.	No	10		
38mm Combination sink rubber P or S trap.	No	1		
TAPS, VALVES, ETC.				
Chromium plated:				
"Cobra Watertech", or equal approved, Chrome Junior Flushmaster exposed flush valve (Code: FJ6-000), installed in accordance with the manufacturer's recommendations.	No	4		
Carried to Collection			R	
Section No. 2 Bill No. 10 Plumbing and Drainage				
	"Vaal Daisy Elite (Ref. 772403WH)" semi-close coupled wc suite comprising 90° outlet pan and matching 9 litre cistern including heavy duty white double flap seat, flushpipe, fixing in position and connecting complete in strict accordance with the manufacturer's instructions. "Vaal Lavatera (Ref. 705427WH)" wall mounted back inlet bowl urinal with and including "Cobra FJ8.102) flush valve, 38mm chromium plated domical grating and chromium plated back inlet spreader (Code: 85417000), fixed on and including two hanger brackets (Code: 81277000) and connected complete in strict accordance with the manufacturer's instructions. "Vaal Hibiscus (Ref. 702303AV)" one tap hole wash hand basin complete with chromium plated waste union, chain and stay, vulcanite plugs and fixing in position on and including two semi-concealed brackets including sealing with an approved waterproof sealer and connecting complete in strict accordance with the manufacturer's instructions (taps elsewhere). TRAPS, ETC. "Cobra (Ref. 340)" 40mm chromium plated brass bottle trap. 38mm Combination sink rubber P or S trap. TAPS, VALVES, ETC. Chromium plated: "Cobra Watertech", or equal approved, Chrome Junior Flushmaster exposed flush valve (Code: FJ6-000), installed in accordance with the manufacturer's recommendations. Carried to Collection Section No. 2 Bill No. 10	"Vaal Daisy Elite (Ref. 772403WH)" semi-close coupled wc suite comprising 90° outlet pan and matching 9 litre cistern including heavy duty white double flap seat, flushpipe, fixing in position and connecting complete in strict accordance with the manufacturer's instructions. "Vaal Lavatera (Ref. 705427WH)" wall mounted back inlet bowl urinal with and including "Cobra FJ8.102) flush valve, 38mm chromium plated domical grating and chromium plated back inlet spreader (Code: 85417000), fixed on and including two hanger brackets (Code: 81272000) and connected complete in strict accordance with the manufacturer's instructions. "Vaal Hibiscus (Ref. 702303AV)" one tap hole wash hand basin complete with chromium plated waste union, chain and stay, vulcanite plugs and fixing in position on and including two semi-concealed brackets including sealing with an approved waterproof sealer and connecting complete in strict accordance with the manufacturer's instructions (taps elsewhere). TRAPS, ETC. "Cobra (Ref. 340)" 40mm chromium plated brass bottle trap. No TAPS, VALVES, ETC. Chromium plated: "Cobra Watertech", or equal approved, Chrome Junior Flushmaster exposed flush valve (Code: FJ6-000), installed in accordance with the manufacturer's recommendations. No Carried to Collection Section No. 2 Bill No. 10	"Vaal Daisy Elite (Ref. 772403WH)" semi-close coupled we suite comprising 90° outlet pan and matching 9 litre cistern including heavy duty white double flap seat. flushpipe, fixing in position and connecting complete in strict accordance with the manufacturer's instructions. "Vaal Lavatera (Ref. 705427WH)" wall mounted back inlet bowl urinal with and including "Cobra FJ8.102) flush valve, 38mm chromium plated back inlet spreader (Code: 8341200), fixed on and including two hanger brackets (Code: 81277000) and connected complete in strict accordance with the manufacturer's instructions. "Vaal Hibiscus (Ref. 702303AV)" one tap hole wash hand basin complete with chromium plated waste union, chain and stay, vulcanite plugs and fixing in position on and including two semi-concealed brackets including sealing with an approved waterproof sealer and connecting complete in strict accordance with the manufacturer's instructions (taps elsewhere). **RAPS. ETC.** "Cobra (Ref. 340)" 40mm chromium plated brass bottlle trap. **No 10 **TAPS. VALVES, ETC.* Chromium plated: "Cobra Watertech", or equal approved, Chrome Junior Flushmaster exposed flush valve (Code: FJ6-000), installed in accordance with the manufacturer's recommendations. **No 4** **Carried to Collection** **Carried to Collection** **Carried to Collection**	"Vaal Daisy Elite (Ref. 772403WH)" semi-close coupled wa suite comprising 90° outlet pan and matching 9 litre cistern including heavy duty white double flap seat, flushpipe, fixing in position and connecting complete in strict accordance with the manufacturer's instructions. "Vaal Lavatera (Ref. 705427WH)" wall mounted back inlet bowl urinal with and including "Cobra F18.102) (flush valve, 38mm chromium plated domical grating and chromium plated back inlet spreader (Code : 85412000), fixed on and including two hanger brackets (Code : 81277000) and connected complete in strict accordance with the manufacturer's instructions. "Vaal Hibiscus (Ref. 702303AV)" one tap hole wash hand basin complete with chromium plated waste union, chain and stay, vulcanite plugs and fixing in position on and including two semi-concealed brackets including sealing with an approved waterproof sealer and connecting complete in strict accordance with the manufacturer's instructions (taps elsewhere). **RAPS. ETC.** "Cobra (Ref. 340)" 40mm chromium plated brass bottle trap. No 1 **TAPS. VALVES. ETC.* Chromium plated: "Cobra Watertech", or equal approved, Chrome Junior Flushmaster exposed flush valve (Code: FJ6-000), installed in accordance with the manufacturer's recommendations. **Carried to Collection** **Carried to Collection**



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12	"Cobra Watertech", or equal approved, chrome Junior Flushmaster exposed water closet flush valve (Code: FJS2-100) with integral vacuum breaker, ballostop value and BSP inlet, bent flush pipe and connectors, etc, installed in accordance with the manufacturer's recommendations	No	3			
13	"Cobra Carina 294CA" 15mm basin mixer including flexible connection hoses.	No	7			
14	"Cobra 832/350" 15mm angle valve.	No	10			
	<u>Sundries:</u>					
15	15mm Flexihose 450mm long.	No	10			
	SOIL AND WASTE WATER DRAINAGE					
	uPVC pipes					
16	50mm Pipes	m	14			
17	100mm Pipes	m	10			
	Extra over uPVC pipes for fittings					
18	50mm Access bend	No	7			
19	50mm Access junction	No	5			
20	100mm Access bend	No	5			
21	100mm Access junction	No	4			
22	100mm Access bend pan connector	No	2			
23	110mm "GI Two-way" vent valve	No	2			
24	100 x 50mm Access reducing junction	No	4			
25	100mm Stub stack.	No	1			
						\bigsqcup
	Carried to Collection			R		
	Section No. 2 Bill No. 10					
	Plumbing and Drainage					
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				New Booyser
	<u>Sundries</u>			
26	Testing waste pipe system	Item		
	WATER SUPPLIES			
	Class 1 copper pipes			
27	15mm Pipes r	า 14		
28	22mm Pipes r	10		
29	35mm Pipes r	ا 5		
	Extra over class 1 copper pipes for capillary fittings			
30	15mm Fittings No	8		
31	22mm Fittings No	4		
32	35mm Fittings No) 1		
	<u>Sundries</u>			
33	Testing water pipe system	Item		
	Carried to Collection		R	
	Section No. 2 Bill No. 10			
	Plumbing and Drainage			
		1		



New Booysen Section No. 2 Bill No. 10 Plumbing and Drainage **COLLECTION** Page **Amount** No Total Brought Forward from Page No. 91 92 93 94 Carried Forward to Summary of Section No. 2 R Section No. 2 Bill No. 10 Plumbing and Drainage



m		(Quantity	Rate	Amount
0	SECTION NO. 2				
	BILL NO. 11				
	GLAZING				
	Tenderers are advised to study the "Model Preambles for Trades" before pricing this schedule.				
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2017 Edition)				
	TENDERERS ARE TO NOTE THAT ALL WORK IS TO BE EXECUTED IN EXISTING BUILDINGS IN A COMBINATION OF NEW WORK, WORK IN PATCHES AND WORK IN SMALL QUANTITIES.				
	GLAZING TO STEEL WITH PUTTY				
	4mm Obscure glass				
1	Panes exceeding 0,5m2 and not exceeding 2m2.	m2	2		
	TOPS, SHELVES, DOORS, MIRRORS, ETC.				
	6mm Thick silvered float glass copper backed mirrors with 10mm bevelled and polished edges holed for and fixed with chromium plated dome capped mirror screws with rubber buffers to plugs in porcelain tiled wall:				
2	Mirror size 600 x 1000mm high.	No	2		
	Carried Forward to Summary of Section No. 2			R	
	Section No. 2 Bill No. 11				



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Item No		Quantity	Rate	Amount
	SECTION NO. 2			
	BILL NO. 12			
	<u>PAINTWORK</u>			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2017 Edition)			
	TENDERERS ARE TO NOTE THAT ALL WORK IS TO BE EXECUTED IN EXISTING BUILDINGS IN A COMBINATION OF NEW WORK, WORK IN PATCHES AND WORK IN SMALL QUANTITIES.			
	PAINTWORK TO NEW WORK			
	<u>PLASTER</u>			
	Prepare and apply one coat "Plascon" plaster primer and two coats "Plascon Double Velvet" paint on:			
1	External plastered walls, columns, recessed bands, etc.	2 20		
	PLASTERBOARD			
	Prepare and apply one coat "Plascon" primer and two coats "Plascon Professional Super Matt" paint on:			
2	Ceilings and cornices.	2 29		
	ON FIBRE CEMENT			
	Carried to Collection		R	
	Section No. 2 Bill No. 12 Paintwork			



New Booysen

	Prepare and apply one coat "Plascon" alkali				
	resistant primer, one coat undercoat and two coats "Plascon Acrylic PVA" paint on:				
3	Fascia and barge boards.	m2	26		
	METAL				
	Prepare and apply one coat "Plascon Zinc				
	Phosphate" primer and two coats "Plascon Velvaglo" paint on:				
4	Frames and linings.	m2	3		
	One coat water based galvanised iron primer, one coat Universal alkyd based undercoat and two coats alkyd based high gloss enamel paint on galvanised steel in poor condition (rusted)				
5	On corrugated iron profile roof sheeting (measured on flat)	m2	16		
	WOOD				
	Prepare and apply one coat "Plascon Woodcare Pre-treatment", one coat "Plascon Wood Primer" and two coats "Plascon Velvaglo" paint on:				
6	General surfaces of doors.	m2	13		
	PAINTWORK TO PREVIOUSLY PAINTED WORK				
	PLASTER				
	Clean down, prepare and apply one coat "Plascon" plaster primer and two coats "Plascon Double Velvet" paint on:				
7	Internal plastered walls, columns, recessed bands, etc.	m2	20		
8	External plastered walls, columns, recessed bands, etc.	m2	112		
	Carried to Collection			R	
	Section No. 2 Bill No. 12				
	Paintwork				



New Booysen

	METAL				
	Clean down, prepare and apply one coat "Plascon Zinc Phosphate" primer and two coats "Plascon Velvaglo" paint on:				
9	Frames and linings.	m2	3		
10	Gates, grilles, etc. (both sides measured).	m2	13		
	One coat water based galvanised iron primer, one coat Universal alkyd based undercoat and two coats alkyd based high gloss enamel paint on galvanised steel in poor condition (rusted)				
11	On corrugated iron profile roof sheeting (measured on flat)	m2	40		
	WOOD				
	Clean down, prepare and apply one coat "Plascon Woodcare Pre-treatment", one coat "Plascon Wood Primer" and two coats "Plascon Velvaglo" paint on:				
12	General surfaces of doors.	m2	16		
	Carried to Collection			R	
	Section No. 2 Bill No. 12 Paintwork				



Section No. 2			
Bill No. 12			
Paintwork			
COLLECTION			
Total Brought Forward from Page No.	Page No 97 98 99		Amount
Carried Forward to Summary of Section No. 2 Section No. 2 Bill No. 12 Paintwork		R	



	SECTION SUMMARY - Builders Work			
Bill No		Page No		Amount
1	Alterations	68		
2	Waterproofing	69		
3	Roof Coverings, Etc.	70		
4	Carpentry and Joinery	76		
5	Ceilings, Partitions and Access Flooring	79		
6	Ironmongery	83		
7	Metalwork	86		
8	Plastering	87		
9	Tiling	90		
10	Plumbing and Drainage	95		
11	Glazing	96		
12	Paintwork	100		
	Carried to Final Summary		R	
	Section No. 2			
		<u> </u>		1



City of Johura Property Company (SOC) LTD

	Repairs and Maintenance of Public Convenie New Boo					
Item No		Quantity	Rate	Amount		
	SECTION NO. 2					
	BILL NO. 1					
	EXTERNAL WORKS					
	Tenderers are advised to study the "Model Preambles for Trades" before pricing this schedule.					
	SUPPLEMENTARY PREAMBLES					
	FENCING					

Hot dipped galvanised steel high security anticlimbing and anti-cut fence and gates similar to cochrane clearvu formed of 3mm diameter horizontal & vertical galvanised marine fusion bond coated high tensile steel mesh wires with 76,2mm x 12,7mm aperture and reinforced with 4 x 50mm deep V-section horizontal recessed bands with and including 85 x 45 x 3mm thick marine fusion bond coated taper posts, locking recess mechanism, UV stabilised polymer end caps, vandal resistant bolts, clamping plates, sealant, etc. with posts bolted to brick plinth wall or pier (elsewhere measured) in strict accordance with the manufacturer's instructions: 2400mm High fence with and including 2400mm high posts at 3328mm centres. 46 m Single leaf swing gate size overall 1495 x 2325mm high complete with and including frame, additional bracing, pull handles, lock box, heavy duty lock, lockable sliding bolt with keep, etc. No

1

Carried Forward to Summary of Section No. 3 R Section No. 3 Bill No. 1 **External Works**



Item No		Quantity	Rate	Amount
	SECTION NO. 3			
	BILL NO. 2			
	STORMWATER DRAINAGE, SOIL DRAINAGE & WATER RETICULATION			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2017 Edition)			
	TENDERERS ARE TO NOTE THAT ALL WORK IS TO BE EXECUTED IN EXISTING BUILDINGS IN A COMBINATION OF NEW WORK, WORK IN PATCHES AND WORK IN SMALL QUANTITIES.			
	STORMWATER RETICULATION			
	Cleaning existing grid inlets, kerb inlets, pipes, etc.:			
1	Clean existing kerb inlets, manholes. etc. (various sizes) of all rubbish, debris, etc., including cleaning of the inlet & outlet pipes for 20 metres in both directions, including removal of existing lids, relaying existing lids as per Engineer's instructions, making good & carting away all rubbish, debris, etc. to a dumping site to be located by the contractor.	2		
	Manhole covers, gratings, frames, etc.:			
2	600 x 600mm Heavy duty polymer concrete cover slab including frame as supplied by "civil cultured polymer products cc", or equal approved.	1		
	SEWER RETICULATION			
	Carried to Collection		R	
	Section No. 3			
	Bill No. 2 Stormwater Drainage, Soil Drainage and Water Retic			



		1	1	1
	Cleaning existing manholes, pipes, etc.:			
3	Allow for cleaning existing manholes. etc. (various sizes) of all rubbish, debris, etc., including cleaning of the inlet & outlet pipes for 20 metres in both directions, including removal of existing lids, relaying existing lids as per Engineer's instructions, making good & carting away all rubbish, debris, etc. to a dumping site to be located by the contractor.	1		
			_	
	Carried to Collection Section No. 3		R	
	Bill No. 2 Stormwater Drainage, Soil Drainage and Water Retic			
		j	j	



Section No. 3 Bill No. 2 Stormwater Drainage, Soil Drainage and Water Reticulation **COLLECTION** Page **Amount** No Total Brought Forward from Page No. 103 104 Carried Forward to Summary of Section No. 3 R Section No. 3 Bill No. 2 Stormwater Drainage, Soil Drainage and Water Retic



	SECTION SUMMARY - External Works		
ill Io		Page No	Amount
1	External Works	102	
2	Stormwater Drainage, Soil Drainage and Water Reticulation	105	
	Carried to Final Summary		R
	Section No. 3		



	Quantity	Rate	Amount
SECTION NO. 4			
BILL NO. 1			
PROVISIONAL SUMS			
he following sums and amounts are NETT.			
Under no circumstances may any Provisional Sum or P.C. Item be altered.			
Unless a specific percentage mark up for attendence is indicated in the rate column, the amounts priced by the contractor for attendence against each Provisional Sum shall be deemed to be Lump Sum and shall not be adjusted unless the cope of the sub-contract varies significantly.			
Provisional Sums contained herein may be omitted or reduced at the employer's sole discretion and the contractor shall not be entitled to claim for any coss by way of reductions or omissions of any discount, or percentage relating to the Provisional sums pr P.C Amounts or any loss of profit related thereto.			
ALLOW THE FOLLOWING PROVISIONAL SUMS			
ELECTRICAL INSTALLATION			
Provide the amount of R50,000.00 (Fifty Thousand Rand) for electrical installation executed complete.	ltem		50,000.00
Profit on above item.		%	
Attendance on ditto.		%	
Carried to Collection		R	
ection No. 4 bill No. 1 Provisional Sums			
BI THE UNITED TO PROBLEM A SERIOR AND A SERI	refollowing sums and amounts are NETT. Inder no circumstances may any Provisional Sum or a specific percentage mark up for thendence is indicated in the rate column, the mounts priced by the contractor for attendence gainst each Provisional Sum shall be deemed to be Lump Sum and shall not be adjusted unless the cope of the sub-contract varies significantly. In revisional Sums contained herein may be omitted an econtractor shall not be entitled to claim for any siss by way of reductions or omissions of any siscount, or percentage relating to the Provisional sums pr P.C. Amounts or any loss of profit related the emptoyers. ILLOW THE FOLLOWING PROVISIONAL SUMS LECTRICAL INSTALLATION Trovide the amount of R50,000.00 (Fifty Thousand and) for electrical installation executed complete. The contractor of the sum of the contractor	ROVISIONAL SUMS The following sums and amounts are NETT. The following process are specific percentage mark up for a tendence is indicated in the rate column, the mounts priced by the contractor for attendence gainst each Provisional Sum shall be deemed to be Lump Sum and shall not be adjusted unless the cope of the sub-contract varies significantly. The following sums contained herein may be omitted are reduced at the employer's sole discretion and the contractor shall not be entitled to claim for any siscount, or percentage relating to the Provisional sums pr P.C. Amounts or any loss of profit related the interest. The following Provisional Sums The following	ROVISIONAL SUMS The following sums and amounts are NETT. The mater no circumstances may any Provisional Sum or County the different of the different of the mounts priced by the contractor for attendence gainst each Provisional Sum shall be deemed to elicump Sum and shall not be adjusted unless the cope of the sub-contract varies significantly. Trovisional Sums contained herein may be omitted a reduced at the employer's sole discretion and the contractor shall not be entitled to claim for any ses by way of reductions or omissions of any iscount, or percentage relating to the Provisional sums pr P.C. Amounts or any loss of profit related thereto. LILOW THE FOLLOWING PROVISIONAL SUMS LECTRICAL INSTALLATION Trovide the amount of R50,000.00 (Fifty Thousand and) for electrical installation executed complete. The mounts of the provisional sums and the contractor of the mount of R50,000.00 (Fifty Thousand and) for electrical installation executed complete. The mounts of R50,000.00 (Fifty Thousand and) for electrical installation executed complete. The mounts of R50,000.00 (Fifty Thousand and) for electrical installation executed complete. The mounts of R50,000.00 (Fifty Thousand and) for electrical installation executed complete. The mounts of R50,000.00 (Fifty Thousand and) for electrical installation executed complete. The mounts of R50,000.00 (Fifty Thousand and) for electrical installation executed complete. The mounts of R50,000.00 (Fifty Thousand and) for electrical installation executed complete. The mounts of R50,000.00 (Fifty Thousand and) for electrical installation executed complete.



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	FIRE PROTECTION			
4	Provide the amount of R15,000.00 (Fifteen Thousand Rand) for fire protection executed complete.	Item		15,000.00
5	Profit on above item.		%	
6	Attendance on ditto.		%	
	STORE ROOM UNITS			
7	Provide the amount of R10,000.00 (Ten Thousand Rand) for store room units installed complete.	ltem		10,000.00
8	Profit on above item.		%	
9	Attendance on ditto.		%	
	STAND ALONE ALARM SYSTEM			
10	Provide the amount of R20,000.00 (Twenty Thousand Rand) for signage installed complete.	ltem		20,000.00
11	Profit on above item.		%	
12	Attendance on ditto.		%	
	<u>CLO</u>			
13	Provide the amount of R50,000.00 (Fifty Thousand Rand) for a Community Liaison Officer.	Item		50,000.00
14	Profit on above item.		%	
15	Attendance on ditto.		%	
	Carried to Collection		R	
	Section No. 4			
	Bill No. 1 Provisional Sums			
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	FINANCIAL PROVISIONS			
	The items described hereunder cover work which is not fully defined at tender stage and which is intended to be executed by the Contractor and/or his Sub-Contractors. The amounts shown shall be used as directed by the Representative/ Agent and shall be deducted in whole or in part if not required.			
16	Allow the amount of R75,000.00 (Seventy Five Thousand Rand) for sundry builders work. This work shall be measured on completion and priced at scheduled rates.	Item		75,000.00
	Section No. 4 Bill No. 1 Provisional Sums		R	



Section No. 4					
Bill No. 1					
Provisional Sums					
COLLECTION					
Total Brought Forward from	n Page No.	Page No 107 108 109		Amount	
	Carried to Final Summary		R		
Section No. 4 Bill No. 1 Provisional Sums	·				



	FINAL SUMMARY				
Section No			Page No		Amount
1	Preliminaries		61		
2	Builders Work		101		
3	External Works		106		
4	Provisional Sums		110		
	Sub-Total			R	
	Value Added Tax (15%)				
	value Added Tax (13%)			R	
	Total			R	
		Carried to Form of Tender		R	
			l	<u> </u>	