



Tender

CONSTRUCTION OF A DATA CENTER FACILITY (MEET-ME-ROOM) IN ZONE 1A OF THE ELIDZ

AT THE

EAST LONDON INDUSTRIAL DEVELOPMENT ZONE

CONTRACT NO: ES/MEET/07/20/Z1A

**CONSTRUCTION OF A DATA CENTER FACILITY
(MEET-ME-ROOM) IN ZONE 1A OF THE ELIDZ**

ENVELOPE B: FINANCIAL PROPOSAL

East London IDZ
Lower Chester Road
Sunnyridge, East London
Contact person: Ms. Anathi Mzantsi
Email: anathi@elidz.co.za

Latitude Quantity Surveyors
Office 2A, 123 Western Avenue, Vincent, East London,
5241
Contact Person: Mr. Pierre Webber
Tel: 082 926 0675
Email: pwebber@latitude.co.za

Tenderer _____ Witness 1 _____ Witness 2 _____ Employer _____ Witness 1 _____ Witness 2 _____
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Tenderer ____ Witness 1 ____ Witness 2 ____ Employer ____ Witness 1 ____ Witness 2 ____

PART C1: AGREEMENTS AND CONTRACT DATA

C1.1 CONTRACT DATA

C1.1: CONTRACT DATA – EMPLOYER

JBCC Principal Building Agreement Edition 6.2 - May 2018

A PROJECT INFORMATION

A 1.0 Works [1.1]

Project name	Construction of a Data Center Facility (Meet-Me-Room) in Zone 1A of the ELIDZ
Reference number	ES/MEET/07/20/Z1A
Works description	<p>The scope of work comprises of the renovation of an existing building, previously functioning a diamond cutting factory, into a Data Centre Facility.</p> <p>The existing building will be repurposed and renovated to house 3 data halls with their respective UPS and LV rooms along with a meet me room, a staging room and storage areas with division cages and a future data hall area along with the existing reception, waiting area, ablutions, offices, open offices, boardrooms, kitchenette a HMC and storerooms.</p> <p>The works will also include the demolition of a portion of existing concrete structure and the demolition of certain walls. The construction of a new suspended concrete slab over the proposed new Data Halls, altering the existing steel structure, construction of the new steel extension with brickwork infill panels, removing existing roof sheeting and fixing new roof sheeting on extended and existing areas.</p> <p>Civil works required the installation of new data and electrical services to the building.</p>

A 2.0 Site [1.1]

Erf / stand number	Erven 60857– Zone 1A ELIDZ
Township / Suburb	Sunnyridge
Site address	Lower Chester Road, Sunnyridge, East London
Local authority	Buffalo City Metropolitan Municipality

A 3.0 Employer [1.1]

Name	East London Industrial Development Zone (ELIDZ) SOC Ltd		
Legal entity above	East London Industrial Development Zone (ELIDZ)	Contact person	Gary Whittaker
Business registration number	2003/012647/30	Telephone number	043 – 702 8200
VAT/GST number	4900213598	Mobile number	082 463 2299
Country	South Africa	E-mail	gary@elidz.co.za
Postal address	PO Box 5458, Greenfields, East London		
		Postal code	5208
Physical address	Lower Chester Road, Sunnyridge, East London		
		Postal code	5201

Tenderer _____ Witness 1 _____ Witness 2 _____ Employer _____ Witness 1 _____ Witness 2 _____

A 4.0 Principal agent [1.1]

Name	MDA Architects		
Legal entity of above	MDA Architects	Contact person	Pat Dalglish
Practice number		Telephone number	043 – 748 1391
		Mobile number	082 774 1383
Country	South Africa	E-mail	pat@mdaarch.co.za
Postal address	PO Box 6213, Walmer, Port Elizabeth		
		Postal code	6065
Physical address	17 Bonza Bay Road, Beacon Bay, East London		
		Postal code	5241

A 5.0 Agent [1.1; 6.2]

Discipline	Architect
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Name	MDA Architects		
Legal entity of above	MDA Architects	Contact person	Pat Dalglish
Practice number		Telephone number	043 – 748 1391
		Mobile number	082 774 1383
Country	South Africa	E-mail	pat@mdaarch.co.za
Postal address	PO Box 6213, Walmer, Port Elizabeth		
		Postal code	6065
Physical address	17 Bonza Bay Road, Beacon Bay, East London		
		Postal code	5241

A 6.0 Agent [1.1; 6.2]

Discipline	Project Manager
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Name	Lukhozi Consulting Engineers		
Legal entity of above	Lukhozi Consulting Engineers	Contact person	Casper Brink
Practice number		Telephone number	043 – 721 1321
		Mobile number	083 232 0011
Country	South Africa	E-mail	C.brink@lukhozi.co.za
Postal address	PO Box 19204, Tecoma, 5214 East London		
		Postal code	5214
Physical address	Kwa Lukhozi, Quartzite Drive, Selborne, East London		
		Postal code	5201

Tenderer _____ Witness 1 _____ Witness 2 _____ Employer _____ Witness 1 _____ Witness 2 _____

A 7.0 Agent [1.1; 6.2]

Discipline	Quantity Surveyor
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Name	Latitude Quantity Surveyors		
Legal entity of above	Latitude Quantity Surveyors	Contact person	Pierre Webber
Practice number		Telephone number	
		Mobile number	082 926 0675
Country	South Africa	E-mail	Pwebber@latitudeqs.co.za
Postal address			
		Postal code	
Physical address	Office 2A, 123 Western Avenue, Vincent, East London, 5241		
		Postal code	5241

A 8.0 Agent [1.1; 6.2]

Discipline	Structural Engineer
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Name	ZNM consulting civil and structural engineers		
Legal entity of above	ZNM consulting civil and structural engineers	Contact person	Mzukisi Mashaba
Practice number		Telephone number	087 350 4035
		Mobile number	079 895 0558
Country	South Africa	E-mail	mzukisi@znmeng.co.za
Postal address			
		Postal code	
Physical address	8A Bonzabay Road, Beacon Bay, East London		
		Postal code	5241

A 9.0 Agent [1.1; 6.2]

Discipline	Civil Engineer
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Name	ZNM consulting civil and structural engineers		
Legal entity of above	ZNM consulting civil and structural engineers	Contact person	Mzukisi Mashaba
Practice number	CESA - 510	Telephone number	087 350 4035
		Mobile number	079 895 0558
Country	South Africa	E-mail	mzukisi@znmeng.co.za
Postal address			
		Postal code	
Physical address	8A Bonzabay Road, Beacon Bay, East London		
		Postal code	5241

Tenderer _____ Witness 1 _____ Witness 2 _____ Employer _____ Witness 1 _____ Witness 2 _____

A 10.0Agent [1.1; 6.2]	Discipline	Electrical Engineer
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Name	Kuyaduduma Consulting Engineers		
Legal entity of above	Kuyaduduma Consulting Engineers	Contact person	Dean Posthumus
Practice number		Telephone number	043 – 748 5711
		Mobile number	082 464 6738
Country	South Africa	E-mail	dean@kceng.co.za
Postal address	PO Box 2267, Beacon Bay, East London		
		Postal code	5205
Physical address	30 East Bend Road, Beacon Bay, East London		
		Postal code	5241

A 11.0Agent [1.1; 6.2]	Discipline	Mechanical Engineer
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Name	Kuyaduduma Consulting Engineers		
Legal entity of above	Kuyaduduma Consulting Engineers	Contact person	Dean Posthumus
Practice number		Telephone number	043 – 748 5711
		Mobile number	082 464 6738
Country	South Africa	E-mail	dean@kceng.co.za
Postal address	PO Box 2267, Beacon Bay, East London		
		Postal code	5205
Physical address	30 East Bend Road, Beacon Bay, East London		
		Postal code	5241

A 12.0Agent [1.1; 6.2]	Discipline	
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Name	Appointment in progress		
Legal entity of above		Contact person	
Practice number		Telephone number	
		Mobile number	
Country		E-mail	
Postal address			
		Postal code	
Physical address			
		Postal code	

B CONTRACT INFORMATION

B 1.0 Definitions [1.1]

Bills of quantities: System/Method of measurement	The Bill of Quantities have been drawn up in accordance with the Standard System of Measuring Building Work as amended published and issued by the Association of South African Quantity Surveyors (Seventh Edition, 2015).
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B 2.0 Law, regulations and notices [2.0]

Law applicable to the works , state country [2.1]	Republic of South Africa
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B 3.0 Offer and acceptance [3.0]

Currency applicable to this agreement [3.2]	ZAR
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B 4.0 Documents [5.0]

The original signed agreement is to be held by the principal agent [5.2], if not, indicate by whom	ELIDZ
Number of copies of construction information issued to the contractor at no cost [5.6]	3

Documents comprising the agreement
The JBCC ® Principal Building Agreement, Edition 6.2 May 2018
The JBCC ® Principal Building Agreement - Contract Data, Edition 6.2 May 2018
The JBCC ® General Preliminaries for use with the JBCC ® Principal Building Agreement, Edition 6.2 May 2018
Contract Drawings
Bills of Quantities (Balanced)

Contract Drawings			
Drawing Number		Drawing Name	
Discipline:	Architecture	Issued:	
Refer Technical Proposal: Volume 1 of 2, Part D1 - Drawings			
Discipline:	Civil	Issued:	
Refer Technical Proposal: Volume 1 of 2, Part D1 – Drawings			
Discipline:	Structural	Issued:	
Refer Technical Proposal: Volume 1 of 2, Part D1 – Drawings			
Discipline:	Electrical	Issued:	
Refer Technical Proposal: Volume 1 of 2, Part D1 – Drawings			
Discipline:	Mechanical (Fire Protection, HVAC, ..)	Issued:	
Refer Technical Proposal: Volume 1 of 2, Part D1 - Drawings			

Tenderer _____ Witness 1 _____ Witness 2 _____ Employer _____ Witness 1 _____ Witness 2 _____

B 5.0 Employer's agents [6.0]

Authority is delegated to the following agents to issue contract instructions and perform duties for specific aspects of the works [6.2]
Principal Agent and delegated authority.

Principal agent's and agents' interest of involvement in the works other than a professional interest [6.3]
NA

B 6.0 Insurances [10.0]

Insurances by employer			Amount including tax	Deductible amount including tax
Contract works insurance:				
	New works [10.1.1] (contract sum or amount)		Contract Sum + 18%	
Or	Works with practical completion in sections [10.2] (contract sum or amount)		NA	
Or	Works with alterations and additions [10.3] (reinstatement value of existing structures with or including new works)		NA	
	Direct contractors [10.1.1; 10.2] where applicable, to be included in the contract works insurance		NA	
	Free issue [10.1.1; 10.2] where applicable, to be included in the contract works insurance		NA	
	Escalation, professional fees and reinstatement costs if not included above		NA	
Total of the above contract works insurance amount			Contract Sum + 18%	
Supplementary insurance [10.1.2; 10.2]			Contract Sum + 18%	The contractor is responsible for the deductible of 0.1% of the Contract Sum with a minimum of R2,500.00 and a maximum of R25,000.00 per incident.
Public liability insurance [10.1.3; 10.2]				
Removal of lateral support insurance [10.1.4; 10.2]				
Other insurances [10.1.5]				
Yes/no?		If yes, description 1		
Yes/no?		If yes, description 2		

Tenderer _____ Witness 1 _____ Witness 2 _____ Employer _____ Witness 1 _____ Witness 2 _____

and/or

Insurances by contractor			Amount including tax	Deductible amount including tax
Yes/no?	Yes			
		New works [10.1.1] (contract sum or amount)	NA	R25,000
		Works with practical completion in sections [10.2] (contract sum or amount)	NA	
		Works with alterations and additions [10.3] (reinstatement value of existing structures with or including new works)	NA	
		Direct contractors [10.1.1; 10.2] where applicable, to be included in the contract works insurance	NA	
		Free issue [10.1.1; 10.2] where applicable, to be included in the contract works insurance	NA	
		Escalation, professional fees and reinstatement costs if not included above	NA	
Total of the above contract works insurance amount			R 0	
Supplementary insurance [10.1.2]			By employer	The contractor is responsible for the deductible of 0.1% of the Contract Sum with a minimum of R2,500.00 and a maximum of R25,000.00 per incident.
Public liability insurance [10.1.3]				
Spread of fire			R250,000	
All other cases			R20,000,000	
Removal of lateral support insurance [10.1.4]			NA	NA
Other insurances [10.1.5]:				
Yes/no?	Yes	If yes, description 1		R25,000
Damage to underground services				
Yes/no?		If yes, description 2		R15,000
Third party damage				

B 7.0 Obligations of the employer [12.1]

Existing premises will be in use and occupied [12.1.2]		Yes/no?	No
If yes, description	NA		
Restriction of working hours [12.1.2]		Yes/no?	No
If yes, description	NA		
Natural features and known services to be preserved by the contractor [12.1.3]		Yes/no?	No
If yes, description	NA		
Restrictions to the site or areas that the contractor may not occupy [12.1.4]		Yes/no?	No
If yes, description	NA		
Supply of free issue [12.1.10]		Yes/no?	No
If yes, description	NA		

Tenderer _____ Witness 1 _____ Witness 2 _____ Employer _____ Witness 1 _____ Witness 2 _____

B 8.0 Selected subcontractors [15.0]

Yes/no?	Yes	If yes, description of specialisation
Specialisation 1		Electrical installation, including switch gear, equipment, substation, UPS
Specialisation 2		Lightning protection
Specialisation 3		Standby power
Specialisation 4		HVAC
Specialisation 5		Fire suppression and fire detection

B 9.0 Direct contractors [16.0]

Yes/no?	No	If yes, description of extent of work
Extent of work [12.1.11]		
Extent of work [12.1.11]		
Extent of work [12.1.11]		
Extent of work [12.1.11]		
Extent of work [12.1.11]		

B 10.0 Description of sections [20.1]

Section 1	<p>The scope of work comprises of the renovation of an existing building, previously functioning a diamond cutting factory, into a Data Centre Facility.</p> <p>The existing building will be repurposed and renovated to house 3 data halls with their respective UPS and LV rooms along with a meet-me-room, a staging room and storage areas with division cages and a future data hall area along with the existing reception, waiting area, ablutions, offices, open offices, boardrooms, kitchenette a HMC and storerooms.</p> <p>The works will also include the demolition of a portion of existing concrete structure and the demolition of certain walls. The construction of a new suspended concrete slab over the proposed new Data Halls, altering the existing steel structure, construction of the new steel extension with brickwork infill panels, removing existing roof sheeting and fixing new roof sheeting on extended and existing areas.</p> <p>The works require the installation of new data and electrical services, including standby power, HVAC, fire suppression and fire detection</p>
Section 2	NA
Section 3	NA
Section 4	NA
Section 5	NA
Section 6	NA
Section 7	NA
Section 8	NA

Tenderer _____ Witness 1 _____ Witness 2 _____ Employer _____ Witness 1 _____ Witness 2 _____

B 11.0 Possession of site [12.1.5], practical completion [19.0; 20.0] and penalty [24.0]

Practical completion for the works as a whole	Intended date of possession of the site [12.1.5]	Period for inspection by the principal agent [19.3]	Date for practical completion [12.2.7; 24.1]	Penalty [24.1]
	Date	working days	Date	Penalty amount per calendar day
	22 February 2023	180	24 November 2023	R 20 000

or where sections are applicable

Practical completion of a section of the works	Intended date of possession of a section [12.1.5]	Period for inspection by the principal agent [19.3]	The date for practical completion [12.2.7; 24.1]	Penalty for late completion [24.1]
	Date	working days	Date	Penalty amount per calendar day
Section 1				
Section 2				
Section 3				
Section 4				
Section 5				
Section 6				
Section 7				
Section 8				
Remainder of the works				

Criteria to achieve practical completion not covered in the definition of practical completion [12.2.19]
On achievement of practical completion the contractor is to hand over manuals etc. related to the works as listed: Electrical Installation, Fire suppression, Fire Detection Installation, Air-conditioning Equipment Installation.

B 12.0 Payment [25.0]

Date of month for issue of regular payment certificates [25.2]	25 th day of the month		
Contract price adjustment / Cost fluctuations [25.3.4; 26.9.5]	Yes/no?	Yes	
If yes, method to calculate	CPAP Indices		

B 13.0 Dispute resolution [30.0]

Adjudication [30.6.1; 30.10] Name of nominating body	Adjudication
Applicable rules for adjudication [30.6.2]	
Arbitration [30.7.4; 30.10] Name of nominating body	
Applicable rules for arbitration [30.7.5]	

Tenderer _____ Witness 1 _____ Witness 2 _____ Employer _____ Witness 1 _____ Witness 2 _____

B 14.0 JBCC® General Preliminaries – selections

Provisional bills of quantities [P2.2]	Yes/no?	Yes	
Availability of construction information [P2.3]	Yes/no?	Yes	
Previous work - dimensional accuracy - details of previous contract(s) [P3.1]	NA		
Previous work - defects - details of previous contract(s) [P3.2]	NA		
Inspection of adjoining properties - details [P3.3]	NA		
Handover of site in stages - specific requirements [P4.1]	NA		
Enclosure of the works - specific requirements [P4.2]	All site establishment, offices and storage of materials will be strictly limited to the area demarcated (See C3.1: Scope of Work, paragraph 1.5 Temporary works), which must be suitably fenced with 1,8m high 'Bonnox' fencing covered with shade cloth to the satisfaction of the principal agent. The contractor shall be responsible for keeping such areas in a clean, sanitary and orderly condition.		
Geotechnical and other investigations - specific requirements [P4.3]	Yes, see attached (Envelope A, Volume 1 of 2, Part C5)		
Existing premises occupied - details [P4.5]	NA		
Services - known - specific requirements [P4.6]	Refer enclosed tender drawings		
Water [P8.1]	By contractor	Yes/no?	
	By employer	Yes/no?	
	By employer - metered	Yes/no?	Yes
Electricity [P8.2]	By contractor	Yes/no?	
	By employer	Yes/no?	
	By employer - metered	Yes/no?	Yes
Ablution and welfare facilities [P8.3]	By contractor	Yes/no?	Yes
	By employer	Yes/no?	
Communication facilities - specific requirements [P8.4]	NA		
Protection of the works - specific requirements [P11.1]	NA		
Protection / isolation of existing works and works occupied in sections - specific requirements [P11.2]	NA		
Disturbance - specific requirements [P11.5]	NA		
Environmental disturbance - specific requirements [P11.6]	NA		

B 15.0 Changes made to JBCC® documentation

Reference may be made to other documents forming part of this **agreement**

DETAILS OF CHANGES MADE TO THE PROVISIONS OF JBCC STANDARD DOCUMENTATION AND EXPRESS AMENDMENTS TO THE PROVISIONS OF THE JBCC PRINCIPAL BUILDING AGREEMENT AND CONTRACT DATA – May 2018 Edition 6.2

In this regard, the Standard JBCC **Principal Building Agreement** and **Contract Data** 2018 is amended by the numbered clauses set out below, as follows:

Tenderer _____ Witness 1 _____ Witness 2 _____ Employer _____ Witness 1 _____ Witness 2 _____

- (i) where the Standard JBCC **Principal Building Agreement** and **Contract Data** 2018 contains no provision with the corresponding clause number, the clause set out herein is inserted into the contract; and
- (ii) where the Standard JBCC **Principal Building Agreement** and **Contract Data** 2018 contains a provision with the corresponding clause number, the same is deleted in its entirety and replaced with the provision having such clause number, as set out herein.

Save as amended in terms of this document, the provisions of the Standard **Principal Building Agreement** and **Contract Data** 2018 shall remain unchanged.

1.0 DEFINITIONS and INTERPRETATION	
1.1 Definitions	
<p>CONTRACT AGREEMENT: The document that formalises the legal process of offer and acceptance and gives effect to binding contract.</p> <p>CONTRACT DATE: The date on which the contract agreement was concluded and a valid contract came into existence on the signature of the last party. The phrase "acceptance of the contractor's offer" as used in the agreement, will have a similar meaning.</p> <p>CONTRACT PERIOD: The period commencing on the intended date [CD] of possession of the site by the contractor and ending on the date for practical completion.</p> <p>CONSTRUCTION PERIOD: The period commencing on the date of possession of the site by the contractor and ending on the date of practical completion.</p> <p>DATE FOR PRACTICAL COMPLETION: The contractual completion date or dates stated in the contract data or revision thereof [23.0] on or before which the contractor agrees to bring the works or sections thereof to practical completion. The contractor will be liable for the determined penalty [24.0] in failure to achieve practical completion on or before such date. Same will include references to "date for practical completion" where the "date for" is not bold in the standard JBCC text.</p> <p>DATE OF PRACTICAL COMPLETION: The construction completion date or dates, which is initially the intended or planned date or dates to bring the works or sections thereof to practical completion and subsequently the actual or deemed date or dates on which the contractor achieved practical completion as stated in a certificate of practical completion. Same will include references to "date of practical completion" where the "date of" is not bold in the standard JBCC text.</p> <p>DIRECT CONTRACTOR: An entity appointed under separate agreement by the employer to do work on site, including its subcontractors, prior to practical completion.</p> <p>INTEREST: The interest rates applicable on this contract, whether specifically indicated in the relevant clauses or not, will be the rate as determined by the Minister of Finance from time to time, in terms of section 80(1)(b) of the Public Finance Management Act, 1999 (Act No 1 of 1999), calculated as simple interest, in respect of debts owing to the State, and will be the rate as determined by the Minister of Justice and Constitutional Development from time to time, in terms of section 1(2) of the Prescribed Rate of Interest Act, 1975 (Act No 55 of 1975), calculated as simple interest, in respect of debts owing by the State.</p> <p>LATENT DEFECT: A defect that a reasonable inspection of the works by the principal agent and/or agents, for the purpose of issuing a final completion certificate, would not have revealed.</p> <p>NOTICE: A written communication, excluding social media, issued by either party, the principal agent and/or agents to the other party or any agent to or in relation to, <i>inter alia</i>, record an event and/or request for outstanding construction information and/or where suspension and/or resumption of the works and/or termination of this agreement and/or any dispute resolution process and/or intention to claim. Such notice shall however be issued on separate cover and referring to the specific clause to which it pertains.</p> <p>PROGRAMME: A diagrammatic representation of the planned execution of units of work or activities indicating the dates for commencement of the activities, the date of practical completion and the planned date of practical completion prepared and maintained by the contractor. The programme shall indicate the sequencing, timing and resources for carrying out the works. It shall also <i>inter alia</i>, include the dates for access and possession of specific parts of the site, approvals needed, inspections, tests and all other outstanding construction information. All activities shall logically be linked and showing the earliest and latest start and finish dates for each activity, the float (if any) and the critical path.</p>	
1.2 Interpretation	
1.2.1	In the contract documents , unless inconsistent with the context, the following words but not limited to accept, agree, allow, appoint, approve, authorise, certify, decide, delegate, demand, designate, dispute, grant, inform, instruct, issue, list, notice , notify, object, record, reduce, refuse, request, state and their derivatives require such acts to be in writing. Oral communications shall be of no force or effect

Tenderer _____ Witness 1 _____ Witness 2 _____ Employer _____ Witness 1 _____ Witness 2 _____

1.2.4	Reference to a clause number written as [54.3.2] means that specific clause; [54.3.2-4] means the sub-clauses 2 to 4 inclusively; [54.3.2 & 4] means the sub-clauses 2 and 4 only. References to a clause number written as [N54.3.2] means a clause in terms of the n/s subcontract agreement
2.0	LAW, REGULATIONS AND NOTICES
2.5	The contractor's attention is drawn to the provisions of the Construction Regulations, 2014 issued in terms of the Occupational Health and Safety Act, 1993. It is specifically stated that the employer shall prepare a documented health and safety specification for the works (refer to Envelope A: Technical Proposal: Volume 1 of 2 Part C3.3 for a copy of OH&S – SPEC – 001 Rev 2 dated February 2022 which covers the relevant specification and baseline risk assessment) 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 against this item for compliance with the Act and the Regulations and the provisions of the aforementioned health and safety specification.
2.6	The Construction Environmental Management Plan (CEMP-001) Rev 13 dated February 2022, incorporates specifications derived from recommendations in the Strategic Environmental Assessment (SEA), ELIDZ Rezoning Environmental Impact Assessment (EIA) and comments Report. Department of Economic Affairs, Environment and Tourism's Conditions of Approval for the rezoning EIA, together with specifications for good "environmental practice" for construction work. The purpose of the CEMP is to translate the recommendations of the SEA and the Rezoning EIA into a contractual environmental management plan which will be strictly applied during the construction of the works. A copy of the CEMP is attached (refer to Envelope A: Technical Proposal: Volume 1 of 2 Part C3.4 for a copy of the relevant specification) and tenderers are to familiarize themselves with the provisions contained therein and allow for compliance with the same.
3.0	OFFER AND ACCEPTANCE
3.1	The objective of this agreement is the execution of and payment for the works
3.3	This agreement shall come into force on the contract date
4.0	ASSIGNMENT AND CESSION
4.1	Neither party shall assign or cede rights or obligations under this agreement without the prior written consent of the other party , which consent shall not be unreasonably withheld. Any such assignment or cession shall be invalid and of no effect until the other party's written consent
5.0	CONTRACT DOCUMENTS
5.3	Persons authorised to act on behalf of the parties and/or agents appointed by the employer shall be identified in the contract agreement . Such authorised person may be changed by notice to the other party
5.4	The priced document shall not be used as a specification of materials and goods or methods nor should same define the extent of the works executed by the contractor . The contractor should not use the priced document to order any materials and goods or to programme the works
5.7	The contractor shall not add to, vary or alter any terms of any n/s subcontract agreement with its subcontractors without the written consent of the principal agent
6.0	EMPLOYER'S AGENTS
6.7	On achievement of practical completion, the contractor is to hand over manuals etc. related to the works as listed: Electrical Installation, Sprinkler Installation, Fire Detection Installation, Air-conditioning Equipment Installation and related Building Trades.
7.0	DESIGN RESPONSIBILITY
7.2	Any design responsibility undertaken by a subcontractor shall not devolve on the contractor . All contractual or other rights the contractor has against such subcontractor arising from any design responsibility undertaken shall be ceded to the employer .
INSURANCE AND SECURITY	
8.0	WORKS RISK
8.4	Notwithstanding [8.3] the limit of the contractor's liability [8.2] shall not exceed the contract works insurance [10.1.1] [CD]. Where the contract value exceeds the contract sum by more than ten per cent (10%) or the percentage stated [CD] the insurance provisions shall be adjusted at the employer's expense. The party responsible for effecting insurance shall provide written proof of such adjustment [10.0]
9.0	INDEMNITIES
9.3	Where events or circumstances occur both [9.1] and [9.2], causing claims or proceedings for damages, expense and/or loss (including legal fees and expenses) in respect of or arising from the events or circumstances, the events [9.1] will supersede the events [9.2] and the contractor's indemnity will prevail over the employer's indemnity.
11.0	SECURITY

Tenderer _____ Witness 1 _____ Witness 2 _____ Employer _____ Witness 1 _____ Witness 2 _____

11.1	Provide to the employer a guarantee for construction within fifteen (15) working days of the contract date and choose:
	<p>The expiry date for the security to be provided in terms of clause 11.1.1 and 11.1.2 shall be one hundred and eighty (180) calendar days after the date for practical completion for the work as a whole.</p> <p>Should the terms of the construction guarantee have an expiry date, add the following clause after clause 5.2 on the JBCC Construction Guarantee form:</p> <p>5.3. The guarantor has failed to extend the guarantee when requested to do so by the Employer if the certificate of final completion in respect of the variable construction guarantee and certificate of practical completion in respect of the fixed construction guarantee under the contract has not been issued by the date, 30 calendar days prior to the expiry date of the construction guarantee, and that the construction guarantee is called up in terms of clause 5.0</p>
11.4	Where the contractor fails to provide [11.1] or fails to maintain and/or replace [11.2.1] the security the employer may:
11.4.1	Hand over the site to the contractor where failure [11.1] or continue with the agreement where failure [11.2.1] and withhold payments certified in interim payment certificates to the contractor until the amounts withheld is equal to ten per cent (10%) of the contract value . The amount withheld shall be reduced at practical completion [19.0] to two and a half per cent (2.5%) of the contract value and to zero per cent (0%) in the final payment certificate [25.6]
11.5	The employer shall not provide any guarantee for payment
11.5.1	No Clause
11.5.2	No Clause
11.6	No Clause
11.7	No Clause
11.10	The contractor shall waive his lien or right of continuing possession of the works within fifteen (15) working days of the contract date
EXECUTION	
12.0	DUTIES OF THE PARTIES
12.1.5	Give possession of the site to the contractor five (5) working days after the contract date or on the intended date [CD] whichever is the later
12.1.12	Through the principal agent and/or agents provide adequate outstanding construction information timeously to the contractor in accordance with a schedule of outstanding construction information [12.2.11] based on an updated programme [12.2.10] submitted by the contractor and approved by the principal agent
12.2.6	Prepare and submit to the principal agent within fifteen (15) working days of the contract date a programme for the works in sufficient detail to enable the principal agent to monitor the progress of the works
12.2.10	Regularly, but at least monthly, update the programme to illustrate progress of the works , and revise the programme where the principal agent has revised the date for practical completion
12.2.11	Regularly, but at least monthly, submit to the principal agent a progress report, a schedule of outstanding construction information and a schedule of subcontractor appointments to avoid delays to the works
12.2.19	Prior to achievement of practical completion hand over to the principal agent all information for the preparation of 'as built' documentation and applicable statutory/regulatory approval certificates all operating and instruction manuals, product guarantees, warranties, indemnities and the like [19.1.1]
12.2.22	Within fifteen (15) working days of the contract date submit to the principal agent an acceptable health and safety plan, required in terms of the Occupational Health and Safety Act, 1993 (Act No 85 of 1993)
12.2.23	The contractor will, throughout the entire contract period be responsible for the proper and adequate protection of all workers and visitors on the site from injury and damage resulting from the works and for the proper security of the site at all times. Furthermore, the contractor must allow for all necessary temporary hoardings, hoardings with gantries, fans, safety screens, barriers, access gates, covered gangways, walkways, overhead protection against falling objects and materials, security fences, etc. for the enclosure of the works and elements thereof for the protection of the public and others as required by prevailing BCMM bylaws, the Construction Regulations 2014 issued in terms of Occupational Health and Safety Act 1993, any other Laws and Regulations and/or demanded by his own site requirements. Allowance must furthermore be made for periodic adjustment of any enclosure or protection and for their eventual removal
12.2.24	The office accommodation for meetings is to be adequately sized and equipped with a sound working table and chairs to accommodate at least thirty (10) people for site meetings. The room is to be well

Tenderer _____ Witness 1 _____ Witness 2 _____ Employer _____ Witness 1 _____ Witness 2 _____

	vented with air-conditioning and fitted with two large white boards and pin boards with markers and erasers. Two plug points to be provided within the room
12.2.25	The contractor shall re-instate/ rehabilitate the area used for site establishment (contractors yard area) as set out in Clause PS 6 of the CEMP Rev dated 10 February 2020 included in Part C3.4 in Envelope A: Volume 1 of 2 of these tender documents
13.0	SETTING OUT
13.2.5	The contractor shall notify the principal agent if any encroachments of adjoining foundations, buildings, structures, pavements, boundaries, etc. exist in order that the necessary arrangements may be made for the rectification of any such encroachments.
16.0	DIRECT CONTRACTORS
16.1	The contractor shall:
16.1.1	In accordance with a contract instruction [17.1.16] permit direct contractor(s) to execute and/or install work on the site. Such access to the site or works shall not constitute deemed achievement of practical completion , possession or occupation by the employer [19.6]
17.0	CONTRACT INSTRUCTIONS AND STEP IN RIGHT
17.1	The principal agent shall issue contract instructions to the contractor regarding any matter as authorized in terms of this agreement including but not limited to the following;
17.1.21	Changing the sequence of the works
17.1.22	Accelerate the rate of progress of the works or any part thereof, where same has fallen behind programme . The contractor shall thereupon subject to the approval of the principal agent , take such steps as are necessary to expedite progress in order to achieve practical completion on or before the date for practical completion . The principal agent may instruct the contractor to submit an updated programme to accommodate the steps agreed to meet the date for practical completion . The contractor will not be entitled to any compensation whatsoever for complying with such contract instruction .
17.3	Should the contractor fail to proceed with a contract instruction with due diligence, the principal agent may give notice to the contractor to proceed within five (5) working days of receipt of such notice . Where the contractor remains in default, the employer may engage others or use its own resources to carry out such contract instruction . The employer may recover expense and/or loss incurred [27.2.3]
17.6	In addition to, and without limiting any of the employers' other rights in terms of this agreement , if the contractor fails to complete or otherwise perform the works or any part thereof in accordance with the contract documents , including but not limiting to;
17.6.1	fails to proceed in accordance with the programme ; or
17.6.2	fails to carry out or perform any part of the works in accordance with the contract documents and without defects ; and fails to take satisfactory actions, acceptable to the principal agent to commence correction of such default with due diligence, regularity, expedition, skill and appropriate resources within five (5) working days after receipt of a notice from principal agent , in which case the principal agent may, without prejudice to any other remedy or rights the employer may have, omit part of the works and may employ other parties to complete such parts of the works or complete it by using the employer's own resources. Any such work shall be performed at the contractor's risk and expense. The employer shall have the right to take possession at of any uncompleted part of the works at the contractor's premises and use all drawings, technical information related to the works, materials and goods, construction equipment and other property provided or used by the contractor and use it as deems fit in order to complete the works
17.7	The employer may recover expenses and/or loss [27.2.3] resulting from such appointment or employment
COMPLETION	
19.0	PRACTICAL COMPLETION
19.1.1	Inspect the works at appropriate intervals to give the contractor interpretations and direction on the standard of work, the state of completion of the works and the documentation to be prepared and submitted [12.2.19] as required criteria of the contractor to achieve practical completion [CD]
19.2.1	Inspect the works in advance of the anticipated date of practical completion to confirm that the standard of work required and the state of completion of the works has been achieved and documentation [12.2.19] has been provided for practical completion to be certified
19.2.2	Give timeous notice to the principal agent of the anticipated date of practical completion of the works , in order for the principal agent to inspect the works within the period stated in [19.3]

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19.3.2	An updated list for practical completion to the contractor , limited to items on the list for practical completion that have not been attended to satisfactorily to be rectified, work to be completed to achieve practical completion and defects that manifested after the list for practical completion has been submitted. The contractor shall repeat the procedure until all items on the list for practical completion have been dealt with satisfactorily before the certificate of practical completion is issued by the principal agent
	or...
19.3.3	A certificate of practical completion to the contractor with a copy to the employer stating the date on which practical completion of the works , or of a section , was achieved. The certificate of practical completion , unless otherwise indicated in an approved programme , shall not be issued before the date for practical completion
19.4	Should the principal agent not issue a list for practical completion [19.3.1] after the contractor's notice [19.2.2] and the inspection period [19.1.3] or the updated list [19.3.2] within five (5) working days after the contractor's notice requesting a follow up inspection, the contractor shall give a further notice to the employer and the principal agent referring specifically to the previous notice . Should the principal agent not issue such list within five (5) working days of receipt of such further notice , practical completion shall be deemed to have been achieved on the anticipated date of practical completion as notified in the previous notice referred to and the principal agent shall issue the certificate of practical completion forthwith
19.5	On issue of the certificate of practical completion , the employer shall be entitled to possession of the works and the site
19.6	Where the employer takes possession of the whole or a portion of the works by agreement the agreement will be amended to provide for the works to be completed in sections [20.0] and to include all the necessary contractual implications, <i>inter alia</i> , the definition of each section , the date for practical completion of each section and the penalty applicable for each section .
19.8	Where the works or a part thereof includes mechanical and/or electrical systems that are put to use for the convenience of the employer with the permission of the contractor , the guarantee period for such systems shall commence on the date of practical completion [19.0]. The aforesaid actions shall not constitute the taking of possession [19.6; 8.1] and the risk and responsibility shall accordingly not pass to the employer .
23.0	REVISION OF THE DATE FOR PRACTICAL COMPLETION
23.1.1	Adverse effect of weather conditions
23.2.12	No Clause
23.3	Further circumstances, not included [23.1-2] for which the contractor may be entitled to a revision of the date for practical completion are delays to practical completion due to any other cause beyond the contractor's reasonable control that could not have reasonably been anticipated and provided for. The contractor is entitled to an adjustment to the contract value [26.9.4] where such delay is caused by the default or prevention act of the employer and/or agents
23.4	Should a listed event or circumstance occur [23.1-3] which could cause a delay to the date of practical completion , the contractor shall:
23.4.1	Give the principal agent reasonable and timeous notice of such event or circumstance and take reasonable steps to avoid or reduce such delay
23.4.2	Within ten (10) working days of becoming aware, or ought reasonably to have become aware of such event or circumstances, give notice to the principal agent of the intention to submit a claim for a revision to the date for practical completion , failing which the contractor shall forfeit such claim
23.5	The contractor shall submit a claim for the revision of the date for practical completion to the principal agent within twenty (20) working days , or such extended period the principal agent may allow, from the end of the event or circumstance, failing which the contractor shall forfeit such claim
23.6	Where the contractor requests a revision of the date for practical completion the claim shall in respect of each event or circumstance separately state:
23.6.1	Particulars of such event or circumstance and the relevant clause [23.1-3] on which the contractor relies
23.6.2	The cause and effect of the delaying event or circumstance on the planned date of practical completion , where appropriate, illustrated by the impact and/or a change to the critical path on the updated and approved programme
23.6.3	The extension period claimed in working days , the calculation thereof and the revised date for practical completion based on the extension period claimed
25.0	PAYMENT
25.10	The employer shall pay to the contractor the amount certified in an issued payment certificate within thirty (30) calendar days of the date for issue of the payment certificate [CD] including interest
25.11	The contractor shall pay the employer the amount certified in an issued payment certificate within

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	thirty (30) calendar days of the date for issue of the payment certificate [CD] including interest
25.14.2	No Clause
25.14.3	No Clause
26.0	ADJUSTMENT OF THE CONTRACT VALUE AND FINAL ACCOUNT
26.2	Adjustments to the contract value resulting from a contract instruction for additional work [17.1.2] (hereinafter referred to as a " variation order ") shall be determined as follows:
26.2.5	The contractor shall within five (5) working days after receiving a contract instruction which he contends to be a variation order , confirms, to the principal agent that it is indeed a variation order , and such confirmation is not contradicted, by the principal agent to the contractor within five (5) working days of receipt thereof, it shall be deemed to be a variation order [26.2]. If the contractor fails to confirm such contract instruction within the five (5) working days period, such contract instruction shall not be a variation order and the contract value shall not be adjusted [26.2]
26.5	The contractor shall give notice to the principal agent within ten (10) working days of becoming aware, or ought reasonably to have become aware of any event or circumstances which may cause expense and/or loss due to no fault of the contractor for which provision was not required in the contract sum , failing which such claim shall be forfeited. Such events or circumstances are the following:
26.5.1	The issue of a contract instruction
26.5.2	Failure to issue or the late issue of a contract on instruction following three timeous request from the contractor [15.6; 12.1.12]
26.5.4	Expense and loss caused by a direct contractor [22.4]
26.5.5	Default by the employer or his agents
26.5.6	Suspension or termination of a subcontract due to default by the employer or his agents
26.5.7	Default or insolvency of a nominated subcontractor
26.5.8	Suspension of the works [28.0]
26.6	Following notice [26.5], the contractor shall submit a detailed and substantiated claim for the adjustment of the contract value to the principal agent within twenty (20) working days , or such additional period as the principal agent may allow, from such notice , failing which such claim shall be forfeited
27.0	RECOVERY OF EXPENSE AND/OR LOSS
27.2.3	Work executed by others or the employer's own resources due to the contractor's default [17.3; 17.6]
27.2.10	Adjustment of the n/s subcontract value [NSSA 26.0] due to the subcontractor as a result of a default by the contractor
SUSPENSION AND TERMINATION	
29.0	TERMINATION
	Termination by the employer
29.1	The employer shall be entitled to terminate this agreement where the contractor has failed to:
29.1.1	Provide and or maintain a guarantee for construction within fifteen (15) working days [11.1; 11.1.5; 12.2.3] of the contract date
29.1.2	Commence and proceed with the works [12.2.7]
29.1.4	Make payment in full of an amount certified in an interim payment certificate by the due date [25.11] [CD]

C TENDER CLOSING

Tender closing date	28 November 2022	Time	12h00
Tender submission address	All tender documnts are to be submitted online at https://tenderportal.elidz.co.za before the closing date and time		
Tender may be submitted by e-mail	No	E-mail	NA

Tenderer _____ Witness 1 _____ Witness 2 _____ Employer _____ Witness 1 _____ Witness 2 _____

D CONTRACTOR'S SELECTIONS

D 1.0 Securities [11.0]

Guarantee for construction: Select Option A or B

Option A	Guarantee for construction (variable) by contractor [11.1.1]	
Option B	Guarantee for construction (fixed) by contractor [11.1.2]	
Guarantee for payment by employer [11.5.1; 11.10]	Amount	NA
Advance payment, subject to a guarantee for advance payment [11.2.2; 11.3]	Amount	NA

D 2.0 Contractor's annual holiday periods during the construction period

Year 1 contractor annual holiday period	start date	15 December 2023	end date	10 January 2024
Year 2 contractor annual holiday period	start date		end date	
Year 3 contractor annual holiday period	start date		end date	

D 3.0 Payment of preliminaries [25.0]

Contractor's selection

Select Option A or B

☐

Where the **contractor** does not select an option, Option A shall apply

Where the total amount of **preliminaries** is not identified (in a lump sum contract) it shall be taken as 7.5% (seven and a half percent) of the **contract sum**, excluding contingency sums and any provision for contract price adjustment (cost fluctuation)

Option A	The preliminaries shall be paid in accordance with an amount prorated to the value of the works executed in the same ratio as the amount of the preliminaries to the contract sum , which contract sum shall exclude the amount of preliminaries . Contingency sum(s) and any provision for cost fluctuations shall be excluded for the calculation of the aforesaid ratio
Option B	The preliminaries shall be paid in accordance with an amount agreed by the principal agent and the contractor in terms of the priced document to identify an initial establishment charge, a time-related charge and a final dis-establishment charge. Payment of the time- related charge shall be assessed by the principal agent and adjusted from time to time as may be necessary to take into account the rate of progress of the works

D 4.0 Adjustment of preliminaries [26.9.4]

Select Option A or B

☐

Where the **contractor** does not select an option, Option A shall apply

The amount of **preliminaries** shall be adjusted to take account of the effect of changes in time and/or value on **preliminaries**. Such adjustment shall be based on the particulars provided by the **contractor** for this purpose in terms of Options A or B, shall preclude any further adjustment of the amount of **preliminaries** and shall apply notwithstanding the employment of resources by the **contractor** in the execution of the **works**

For the adjustment of **preliminaries** both the **contract sum** and the **contract value** shall exclude the amount of the **preliminaries**, contingency sum(s) and any provision for the contract price adjustment (cost fluctuations)

Tenderer _____ Witness 1 _____ Witness 2 _____ Employer _____ Witness 1 _____ Witness 2 _____

Where the total amount of **preliminaries** is not identified (in a lump sum contract) it shall be taken as 7.5% (seven and a half percent) of the **contract sum**, excluding contingency sums, and any provision for contract price adjustment (cost fluctuation)

Option A	<p>The preliminaries shall be adjusted in accordance with the allocation of preliminaries amounts provided by the contractor within fifteen (15) working days of the date of acceptance of the tender as follows:</p> <ul style="list-style-type: none"> - An amount which shall not be varied; - An amount varied in proportion to the contract value as compared to the contract sum; - An amount varied in proportion to the number of calendar days extension to the date of practical completion to which the contractor is entitled with an adjustment of the contract value as compared to the number of calendar days in the initial contract period <p>Where the above-mentioned information is not provided the following allocation of preliminaries amounts shall apply:</p> <ul style="list-style-type: none"> - Ten percent (10%) shall not be varied; - Fifteen percent (15%) shall be varied in proportion to the contract value as compared to the contract sum; - Seventy-five percent (75%) shall be varied in proportion to the number of calendar days extension to the date of practical completion to which the contractor is entitled with an adjustment of the contract value as compared to the number of calendar days in the initial contract period <p>Where completion in sections are required the contractor shall provide an apportionment of preliminaries per section. Should the contractor fail to provide the apportionment of preliminaries per section the categorized amounts shall be prorated to the cost of each section within the contract sum as determined by the principal agent</p>
Option B	<p>The preliminaries shall be adjusted in accordance with a detailed breakdown of preliminaries amounts for the works or of a section to be provided by the contractor within fifteen (15) working days of possession of the site. Such breakdown shall inter alia include administrative and supervisory staff charges and charges for the use of construction equipment, all in terms of the programme</p> <p>The adjustment of preliminaries shall be based on the number of calendar days extension to the date of practical completion to which the contractor is entitled with an adjustment of the contract value as compared to the number of calendar days in the initial construction period taking into account the resources planned for the period of construction during which the delay occurred (not for the period added to the initial or extended date for practical completion)</p> <p>Where the contractor does not provide the detailed breakdown of preliminaries within the period stated, Option A shall apply</p>

C1.2 JBCC FORM OF GUARANTEE



Guarantee for Construction

For use with the JBCC® Principal Building Agreement

edition / date

GUARANTOR DETAILS

Guarantor:	<input type="text"/>		
Physical address:	<input type="text"/>		
Guarantor's signatory 1:	<input type="text"/>	Capacity	<input type="text"/>
Guarantor's signatory 2:	<input type="text"/>	Capacity	<input type="text"/>
Employer:	<input type="text"/>		
Contractor:	<input type="text"/>		
Principal Agent:	<input type="text"/>		
Works:	<input type="text"/>		
Site:	<input type="text"/>		
Name of Signatory:	<input type="text"/>		
Contract Sum:	Accepted amount inclusive of tax	Currency	<input type="text"/> <input type="text"/>
... amount in words:	<input type="text"/>		
Guaranteed Sum:	The maximum aggregate amount	Currency	<input type="text"/> <input type="text"/>
... amount in words:	<input type="text"/>		
Guarantee for Construction	(insert variable or fixed)	<input type="text"/>	Expiry date <input type="text"/>

AGREEMENT DETAILS

Sections	Total number / not applicable	<input type="text"/>	Last section	<input type="text"/>
Principal Agent issues	JBCC® format Interim Payment Certificates, the Final Payment Certificate, the Certificate of Practical Completion and the Certificate of Final Completion			

1.0 GUARANTEE for CONSTRUCTION (Variable)

1.1 Where a Guarantee for Construction (Variable) in terms of the Agreement has been selected this clause 1.0 and 3.0 to 13.0 shall apply. The Guarantor's liability shall be limited to the diminishing amounts of the Guaranteed Sum as follows:-

GUARANTOR'S LIABILITY

PERIOD OF LIABILITY

1.1.1 Maximum Guaranteed Sum (not exceeding 10.0% of the contract sum) in the amount of:

Amount in words:

1.1.2 Reducing to the Guaranteed Sum (not exceeding 6.0% of the contract sum) in the amount of:

Amount in words:

1.1.3 Reducing to the Guaranteed Sum (not exceeding 4.0% of the contract sum) in the amount of:

From and including the date of issue of this Guarantee for Construction and up to and including the date of issue of the interim payment certificate certifying in excess of 90% of the contract sum

From and including the day after the date of the aforesaid interim payment certificate and up to and including the date of issue of the only Certificate of Practical Completion or last Certificate of Practical Completion where there are sections

From and including the day after the date of the applicable Certificate of Practical Completion and up to and including the date of issue of

Tenderer _____ Witness 1 _____ Witness 2 _____ Employer _____ Witness 1 _____ Witness 2 _____

<div style="border: 1px solid black; height: 20px; width: 150px; margin-bottom: 10px;"></div> <p>Amount in words:</p> <div style="border: 1px solid black; height: 30px; width: 450px; margin-top: 10px;"></div>	<p>the only Certificate of Final Completion or the last Certificate of Final Completion where there are sections</p>
<p>1.1.4 Reducing to the Guaranteed Sum (not exceeding 2.0% of the contract sum) in the amount of:</p> <div style="border: 1px solid black; height: 20px; width: 150px; margin-top: 10px;"></div> <p>Amount in words:</p> <div style="border: 1px solid black; height: 30px; width: 450px; margin-top: 10px;"></div>	<p>From and including the day after the date of the applicable Certificate of Final Completion and up to and including the date of issue of the Final Payment Certificate where payment is due to the Contractor, whereafter this Guarantee for Construction shall expire. Where the Final Payment Certificate reflects payment due to the Employer this Guarantee for Construction shall expire upon payment of the full amount certified</p>
<p>1.2 The Guarantor's liability limits set out in 1.1.1 to 1.1.4 shall apply in respect of any claim received by the Guarantor during the Security</p>	
<p>2.0 GUARANTEE for CONSTRUCTION (Fixed)</p>	
<p>2.1 Where a Guarantee for Construction (Fixed) in terms of the Agreement has been selected this clause 2.0 and 3.0 to 13.0 shall apply. The Guarantor's liability shall be limited to the amount of the Guaranteed Sum as follows:-</p>	
<p>GUARANTOR'S LIABILITY</p> <p>Maximum Guaranteed Sum (not exceeding 5.0% of the contract sum) in the amount of:</p> <div style="border: 1px solid black; height: 20px; width: 150px; margin-top: 10px;"></div> <p>Amount in words:</p> <div style="border: 1px solid black; height: 30px; width: 450px; margin-top: 10px;"></div>	<p>PERIOD OF LIABILITY</p> <p>From and including the date of issue of this Guarantee for Construction and up to and including the date of the only Certificate of Practical Completion or the last Certificate of Practical Completion where there are sections, whereafter this Guarantee for Construction shall expire</p>
<p>3.0 The Guarantor acknowledges that:-</p>	
<p>3.1 Any reference in this Guarantee for Construction to the Agreement is made for the purpose of convenience and shall not be construed as any intention to create an accessory obligation or any intention to create a suretyship</p> <p>3.2 Its obligation under this Guarantee for Construction is restricted to the payment of money</p> <p>3.3 Reference to a Recovery Statement or an Interim or Final Payment Certificate, or a Certificate(s) of Practical or Final Completion shall mean such certificate issued by the Principal Agent</p> <p>4.0 Subject to the Guarantor's maximum liability referred to in clauses 1.0 or 2.0, the Guarantor hereby undertakes to pay the Employer the sum certified upon receipt of the documents identified in 4.1 to 4.3:-</p> <p>4.1 A copy of a first written demand notice issued by the Employer to the Contractor stating that payment of a sum certified by the Principal Agent in an Interim or Final Payment Certificate has not been made in terms of the Agreement and failing such payment within seven (7) calendar days, the Employer intends to call upon the Guarantor to make payment in terms of 4.2</p> <p>4.2 A written demand notice issued by the Employer to the Guarantor at the Guarantor's physical address with a copy to the Contractor stating that a period of seven (7) calendar days has elapsed since the issue of the first written demand notice in terms of 4.1 and that the sum certified has not been paid to date. The Employer herewith calls up this Guarantee for Construction and demands payment of the sum certified from the Guarantor</p> <p>4.3 A copy of the applicable payment certificate which entitles the Employer to receive payment in terms of the Agreement of the sum certified in 4.0</p> <p>5.0 Subject to the Guarantor's maximum liability referred to in 1.0 or 2.0, the Guarantor undertakes to pay the Employer the Guaranteed Sum or the full outstanding balance upon receipt of a first written demand notice from the Employer to the Guarantor at the Guarantor's physical address calling up this Guarantee for Construction stating that:-</p> <p>5.1 The Agreement has been terminated due to the Contractor's default and that the Guarantee for Construction is called up in terms of 5.0. The demand notice shall enclose a copy of the notice of termination; or</p> <p>5.2 A provisional sequestration or liquidation court order has been granted against the Contractor and that the Guarantee for Construction is called up in terms of 5.0. The demand notice shall enclose a copy of the court order</p>	

- 6.0 The aggregate amount of payment to be made by the Guarantor in terms of 4.0 and 5.0 shall not exceed the Guarantor's maximum liability in terms of 1.0 or 2.0
- 7.0 Where the Guarantor is a registered insurer and has made payment in terms of 5.0, the Employer shall within one hundred and eighty (180) calendar days of receipt of payment submit an expense account to the Guarantor showing how all monies received in terms of the Guarantee for Construction have been expended, or will be expended, and shall refund to the Guarantor any surplus amount. All monies refunded to the Guarantor in terms of this Guarantee for Construction shall bear interest at the prime overdraft rate of the Employer's bank compounded monthly and calculated from the date of payment by the Guarantor to the Employer until the date of refund.
- 8.0 Payment by the Guarantor in terms of 4.0 or 5.0 shall be made within seven (7) calendar days upon receipt of the first written demand notice to the Guarantor.
- 9.0 The Employer shall have the absolute right to arrange his affairs with the Contractor in any manner which the Employer deems fit and the Guarantor shall not have the right to claim his release from this Guarantee for Construction on account of any conduct alleged to be prejudicial to the Guarantor.
- 10.0 The Guarantor chooses the physical address stated above for all transactions in relation to this security.
- 11.0 This Guarantee for Construction is neither negotiable nor transferable and shall expire in terms of either 1.1.4 or 2.1, or on payment in full of the Guaranteed Sum or on the Guarantee expiry date, whichever is the earlier, where after no claims will be considered by the Guarantor. The original Guarantee for Construction form shall be returned to the Guarantor after it has expired.
- 12.0 This Guarantee for Construction, with the required demand notices in terms of 4.0 or 5.0, shall be regarded as a liquid document for the purpose of obtaining a court order.
- 13.0 Where this Guarantee for Construction is issued in the Republic of South Africa the Guarantor hereby consents to the jurisdiction of a court in the area where the project is located.

Signed at

Date

Guarantor's Signatory 1

Guarantor's Signatory 2

Witness

Witness

Guarantor's seal or stamp

PART C2: PRICING DATA

C2.1 PRICING INSTRUCTIONS

C2.1 Pricing Instructions

- 1 The Provisional Bills of Quantities have been drawn up in accordance with the Standard System of Measuring Building Work as amended published and issued by the Association of South African Quantity Surveyors (Seventh Edition, 2015).
- 2 The agreement is based on the JBCC Series 2000 Principal Building Agreement, prepared by the Joint Building Contracts Committee, Edition 6.2, May 2018. The additions, deletions and alterations to the JBCC Principal Building Agreement as well as the contract specific variables are as stated in the Contract Data. Only the headings and clause numbers for which allowance must be made in the Provisional Bills of Quantities are recited.
- 3 It will be assumed that prices included in the Provisional Bills of Quantities are based on Acts, Ordinances, Regulations, By-laws, International Standards and National Standards that were published 28 days before the closing date for tenders. (Refer to www.stanza.org.za or www.iso.org for information on standards).
- 4 Reference to any particular trademark, name, patent, design, type, specific origin or producer is purely to establish a standard for requirements. Products or articles of an equivalent standard may be substituted.
- 5 Where any item is not relevant to this specific contract, such item is marked N/A (signifying "not applicable")
- 6 The Contract Data and the standard form of contract referenced therein must be studied for the full extent and meaning of each and every clause set out in Bill No.1 (Preliminaries) of the Provisional Bills of Quantities.
- 7 The Provisional Bills of Quantities are not intended for the ordering of materials. Any ordering of materials, based on the Provisional Bills of Quantities, is at the Contractor's risk.

Tenderer _____ Witness 1 _____ Witness 2 _____ Employer _____ Witness 1 _____ Witness 2 _____

C2.2 PROVISIONAL BILLS OF QUANTITIES

(TO BE COMPLETED IN BLACK INK AND RETURNED)

Tenderer ____ Witness 1 ____ Witness 2 ____ Employer ____ Witness 1 ____ Witness 2 ____

PROVISIONAL BILLS OF QUANTITIES
FOR
DATA CENTRE FACILITY
FOR
EAST LONDON INDUSTRIAL DEVELOPMENT ZONE

ARCHITECTS

MDA Architects
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Beacon Bay
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5241

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e Mail: pat@mdaarchitects.co.za

Principal Agent

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Mechanical Engineers

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e Mail: dean@kceeng.co.za

Civil Engineers

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e Mail: mzukisi@znmeng.co.za

QUANTITY SURVEYORS

Latitude Quantity Surveyors
Quantity Surveyors
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SECTION NO. 1
PRELIMINARIES

SECTION NO. 1
PRELIMINARIES

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 (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

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 General Preambles

The **contractor's** prices for all items throughout these **bills of quantities** shall take account of and include where applicable for all of the obligations, requirements and specifications given in the General Preambles and in any supplementary preambles and/or specifications

STRUCTURE OF THIS PRELIMINARIES BILL

Section A:

A recital of the headings of the individual clauses in the aforementioned **JBCC** Principal Building Agreement

Section B:

Carried To Section Summary

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Section No. 1
Bill No. 1
Preliminaries

A recital of the headings of the individual clauses in the aforementioned
JBCC General Preliminaries

Section C:

Any special clauses to meet the particular circumstances of the project

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)

SECTION A: PRINCIPAL BUILDING AGREEMENT

Interpretation (A1-A7)

1 Clause 1.0 - Definitions and interpretation

Bills of quantities

The Bill of Quantities have been drawn up in accordance with the Standard System of Measuring Building Work as amended published and issued by the Association of South African Quantity Surveyors - Seventh Edition, 2015

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 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

Legal status of contractor

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Bill No. 1

Preliminaries

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		Amount
<u>Insurances and securities (A8-A11)</u>		
8	Clause 8.0 - Works risk F: V: T:	Item
9	Clause 9.0 - Indemnities F: V: T:	Item
10	Clause 10.0 - Insurances F: V: T:	Item
11	Clause 11.0 - Securities Waiver of lien It is expected of the contractor to waive his lien in terms of clause 11.10 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: T:	Item
<u>Execution (A12 - A17) }</u>		
12	Clause 12.0 - Obligations 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 of building plans by any local or other authorities and the payment of any fees or charges related thereto F: V: T:	Item
13	Clause 13.0 - Setting out F: V: T:	Item
Carried To Section Summary		R
Section No. 1		
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Preliminaries		

		Amount	
14	<p>Clause 14.0 - Nominated subcontractors</p> <p>F: V: T:</p>	Item	
15	<p>Clause 15.0 - Selected subcontractors</p> <p>As listed in the Contract Data</p> <p>F: V: T:</p>	Item	
16	<p>Clause 16.0 - Direct contractors</p> <p>Attendance on direct contractors</p> <p>In respect of direct contractors the contractor shall:</p> <ol style="list-style-type: none"> 1. Designate an area for the direct contractor to establish a temporary office and workshop and storage of equipment and materials 2. Allow the user 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] <p>F: V: T:</p>	Item	
17	<p>Clause 17.0 - Contract instructions</p> <p>Site instructions</p> <p>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</p> <p>F: V: T:</p> <p><u>Completion (A18 - A24) }</u></p>	Item	
18	<p>Clause 18.0 - Interim completion</p> <p>F: V: T:</p>	Item	
19	<p>Clause 19.0 - Practical completion</p> <p>F: V: T:</p>	Item	
20	<p>Clause 20.0 - Completion in sections</p> <p>F: V: T:</p>	Item	
21	<p>Clause 21.0 - Defects liability period and final completion</p> <p>F: V: T:</p>	Item	
22	<p>Clause 22.0 - Latent defects liability period</p> <p>F: V: T:</p>	Item	
23	<p>Clause 23.0 - Revision of the date for practical completion</p> <p>Substitution of materials and goods</p>		
Carried To Section Summary		R	
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		Amount
24	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]	Item
	F: V: T:	Item
25	Clause 24.0 - Penalty for late or non-completion	
	F: V: T:	
<u>Payment (A25 - A27) }</u>		
26	Clause 25.0 - Payment	
	Prices submitted	
27	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	
	Fluctuations in costs	
28	All fluctuations in costs, with the exception of fluctuations in the rate of Value Added Tax, shall be for the account of the contractor	Item
	F: V: T:	
29	Clause 26.0 - Adjustment of the contract value and final account	
	Fluctuations in costs	
30	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]	
	Cost of claims	
31	All costs incurred by the contractor in 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	
32	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]	Item
	F: V: T:	Item
33	Clause 27.0 - Recovery of expense and/or loss	
	F: V: T:	
<u>Suspension and termination (A28 - A29)</u>		
34	Clause 28.0 - Suspension by the contractor	Item
	F: V: T:	
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		Amount	
29	<p>Clause 29.0 - Termination</p> <p>F: V: T:</p> <p><u>Dispute resolution (A30)</u></p>	Item	
30	<p>Clause 30.0 - Dispute resolution</p> <p>Agreement</p> <p>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</p> <p>Tenderer's selection</p> <p>Before submission of his tender the contractor is to complete the tenderer's selections in the contract data</p> <p>F: V: T:</p> <p><u>SECTION B: GENERAL PRELIMINARIES</u></p> <p>Amendments, modifications, corrections or supplements to the General Preliminaries in Section B are recorded in the contract data</p> <p><u>Definitions and interpretation (B1)</u></p>	Item	
31	<p>Clause 1.1 - Definitions</p> <p>F: V: T:</p>	Item	
32	<p>Clause 1.2 - Interpretation</p> <p>F: V: T:</p> <p><u>Documents (B2)</u></p>	Item	
33	<p>Clause 2.1 - Checking of documents</p> <p>F: V: T:</p>	Item	
34	<p>Clause 2.2 - Provisional bills of quantities</p> <p>F: V: T:</p>	Item	
35	<p>Clause 2.3 - Availability of construction information</p> <p>F: V: T:</p>	Item	
36	<p>Clause 2.4 - Ordering of materials and goods</p> <p>F: V: T:</p> <p><u>Previous work and adjoining properties (B3)</u></p>	Item	
37	<p>Clause 3.1 - Previous work - dimensional accuracy</p> <p>F: V: T:</p>	Item	
38	<p>Clause 3.2 - Previous work - defects</p> <p>F: V: T:</p>	Item	
39	<p>Clause 3.3 - Inspection of adjoining properties</p> <p>F: V: T:</p> <p><u>The site (B4)</u></p>	Item	
40	<p>Clause 4.1 - Handover of site in stages</p> <p>F: V: T:</p>	Item	
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41	Clause 4.2 - Enclosure of the works F: V: T:	Item
42	Clause 4.3 - Geotechnical and other investigations F: V: T:	Item
43	Clause 4.4 - Encroachments F: V: T:	Item
44	Clause 4.5 - Existing premises occupied F: V: T:	Item
45	Clause 4.6 - Services - known F: V: T:	Item
	<u>Management of contract (B5)</u>	
46	Clause 5.1 - Management of the works F: V: T:	Item
47	Clause 5.2 - Progress meetings F: V: T:	Item
48	Clause 5.3 - Technical meetings F: V: T:	Item
	<u>Samples, shop drawings and manufacturer's instructions (B6)</u>	
49	Clause 6.1 - Samples of materials F: V: T:	Item
50	Clause 6.2 - Workmanship samples F: V: T:	Item
51	Clause 6.3 - Shop drawings F: V: T:	Item
52	Clause 6.4 - Compliance with manufacturer's instructions F: V: T:	Item
	<u>Deposits and fees (B7)</u>	
53	Clause 7.1 - Deposits and fees F: V: T:	Item
	<u>Temporary services (B8)</u>	
54	Clause 8.1 - Water F: V: T:	Item
55	Clause 8.2 - Electricity F: V: T:	Item
56	Clause 8.3 - Ablution and welfare facilities F: V: T:	Item
57	Clause 8.4 - Communication facilities F: V: T:	Item

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		Amount
<u>Prime cost amounts (B9)</u>		
58	Clause 9.1 - Responsibility for prime cost amounts F: V: T:	Item
<u>Attendance on subcontractors (B10)</u>		
59	Clause 10.1 - General attendance F: V: T:	Item
60	Clause 10.2 - Special attendance F: V: T:	Item
<u>General (B11)</u>		
61	Clause 11.1 - Protection of the works F: V: T:	Item
62	Clause 11.2 - Protection/isolation of existing works and works occupied in sections F: V: T:	Item
63	Clause 11.3 - Security of the works F: V: T:	Item
64	Clause 11.4 - Notice before covering work F: V: T:	Item
65	Clause 11.5 - Disturbance F: V: T:	Item
66	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.		
The contractor is to ensure that all roads which border the site and are used by the contractor during the execution of the works are kept clean and free of any dirt or debris caused by the execution of the works		
Environmental management plan		
The employer has prepared an environmental management plan (EMP) (refer to C3.4 of Envelope A section 1 of 2 for a copy of the relevant plan). The contractor shall price opposite this item for compliance with all the requirements of such EMP		
67	Clause 11.7 - Works cleaning and clearing F: V: T:	Item
68	Clause 11.8 - Vermin F: V: T:	Item
69	Clause 11.9 - Overhand work F: V: T:	Item
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Section No. 1		
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Preliminaries		

		Amount	
70	Clause 11.10 - Tenant installations F: V: T:	Item	
71	Clause 11.11 - Advertising F: V: T:	Item	
<u>SECTION C: SPECIFIC PRELIMINARIES</u>			
<u>Specific Preliminaries</u>			
72	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 executing the work and shall deliver same to the principal agent on 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 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 F: V: T:	Item	
73	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	
74	Cooperation 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: V: T:	Item	
75	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: T:	Item	
Carried To Section Summary		R	
Section No. 1			
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Preliminaries			

		Amount	
76	<p>Propping of floors below</p> <p>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</p> <p>F: V: T:</p>	Item	
77	<p>Testing of flat roof waterproofing for watertightness</p> <p>Flat roof waterproof areas shall be flooded and kept 'ponded' for at least forty eight hours as a test to ensure the watertightness of the waterproofing and before any further construction work is carried out above the waterproofing</p> <p>F: V: T:</p>	Item	
78	<p>Health and safety</p> <p>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 specifically stated that the employer shall prepare a documented health and safety specification for the works (refer to Annexure ? for a copy of the relevant specification) 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 regulations and the provisions of the aforementioned health and safety specification [2.1]</p> <p>F: V: T:</p>	Item	
79	<p>The contractor shall</p> <ol style="list-style-type: none"> 1. Comply with the health and safety specification for the works 2. Prepare and agree with the health and safety consultant the health and safety plan for the works 3. 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 <p>F: V: T:</p>	Item	
80	<p>Broad based black economic empowerment (BBBEE)</p> <p>Tenders submitted will be evaluated taking into account their empowerment rating</p> <p>The employer will be monitoring the broad based black economic empowerment (BBBEE) status of the contractor throughout the execution of the works</p>		
Carried To Section Summary		R	
Section No. 1			
Bill No. 1			
Preliminaries			

	<p>The contractor is to submit to the principal agent on an annual basis a schedule of spend, split into vendors engaged as subcontractors and suppliers indicating their BBBEE rating including proof of the said rating</p> <p>F: V: T:</p>	Item	
81	<p>Advertising rights</p> <p>The may elect to contract with advertising agencies for the erection of advertising hoardings, banners, wraps or the like for the duration of the contract. The contractor shall not prevent such an arrangement and will assist in the facilitation of same. The position and type of advertising structure to be agreed with the principal agent so as not to hinder the contractor in meeting his obligations under this agreement</p> <p>F: V: T:</p>	Item	
82	<p>Confidentiality</p> <p>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</p> <p>No information regarding this project shall be published or disclosed without the prior written consent of the employer</p> <p>F: V: T:</p>	Item	
83	<p>Media releases</p> <p>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</p> <p>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</p> <p>F: V: T:</p>	Item	
	<p>SUMMARY OF CATEGORIES</p> <p>Category : Fixed R.....</p> <p>Category : Value R.....</p> <p>Category : Time R.....</p>		
	<p>Section No. 1</p> <p>Bill No. 1</p> <p>Preliminaries</p>	R	

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SECTION NO. 1

PRELIMINARIES

SECTION SUMMARY

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Section No. 1
SECTION SUMMARY

SECTION NO. 2

BUILDING ALTERATIONS AND RENOVATIONS

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 2</u>				
<u>BUILDING ALTERATIONS AND RENOVATIONS</u>				
<u>BILL NO. 1</u>				
<u>ALTERATIONS</u>				
The Tenderer is referred to the relevant Clause in the separate document Model Preambles for Trades (2008 Edition) as published by the Association of South African Quantity Surveyors and the Supplementary Preambles which are incorporated in these Bills of Quantities				
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>Salvaged material</u>				
All material obtained in the demolitions to remain the property of the Employer and the Contractor shall not be entitled to retain same, unless by express instruction from the Principal Agent. Unwanted material and all rubble only to be taken to a suitable dumping site				
<u>REMOVAL OF EXISTING WORK</u>				
<u>Breaking up and removing reinforced concrete, including cutting off and removing reinforcement</u>				
1 Columns	m ³	2		
2 Slabs exceeding 200mm and not exceeding 300mm thick	m ²	20		
3 Slabs exceeding 300mm and not exceeding 400mm thick	m ²	10		
<u>Breaking down and removing brickwork etc</u>				
4 Half brick internal walls (115mm)	m ²	42		
5 One brick internal walls (230mm)	m ²	114		
6 One brick external walls (230mm)	m ²	113		
7 One and a half brick internal walls (345mm)	m ²	42		
<u>Taking out and removing doors, windows, etc. and set aside for possible re-use</u>				
8 Single semi solid or hollow core timber door, hung on steel frame	No	4		
9 Double semi solid or hollow core timber door hung on steel frame	No	1		
Carried to Collection			R	
Section No. 2				
Bill No. 1				
Alterations				

		Unit	Quantity	Rate	Amount
<u>Taking out and removing doors, windows, etc. from brickwork to be demolished and set aside for possible re-use:</u>					
10	Single steel door frame not exceeding 2,5m ² , from 115mm brick wall	No	3		
11	Single steel door frame not exceeding 2,5m ² , from 230mm brick wall	No	1		
12	Double steel door frame exceeding 2,5m ² and not exceeding 5,0m ² , from 230mm brick wall	No	1		
13	Glazed aluminium shopfront, overall approximate size 3,2 x 8,2m high from 230mm brick wall	No	2		
14	Glazed aluminium shopfront, overall approximate size 1,6 x 2,9m high from 230mm brick wall	No	1		
15	Glazed aluminium shopfront, overall approximate size 5,4 x 2,9m high from 230mm brick wall	No	7		
16	Glazed aluminium shopfront, overall approximate size 8,2 x 4,2m high from 230mm brick wall	No	1		
17	Glazed aluminium shopfront, overall approximate size 6,3 x 2,9m high from 230mm brick wall	No	1		
18	Glazed aluminium shopfront, overall approximate size 0,5 x 2,9m high from 230mm brick wall	No	1		
19	Glazed aluminium shopfront including 1 x single door, overall approximate size 1,6 x 4,2m high from 230mm brick wall	No	1		
20	Glazed aluminium shopfront including 1 x single door, overall approximate size 4,0 x 4,2m high from 230mm brick wall	No	2		
21	Glazed aluminium shopfront including 2 x single doors, overall approximate size 2,6 x 2,1m high from 230mm brick wall	No	1		
22	Glazed aluminium shopfront including 1 x single door, overall approximate size 3,3 x 2,9m high (3,8m high for width of door) from 230mm brick wall	No	1		
23	Glazed aluminium shopfront including 1 x single door, overall approximate size 7,2 x 2,9m high (3,8m high for width of door) from 230mm brick wall	No	1		
24	Glazed aluminium shopfront including 1 x single door, overall approximate size 2,2 x 2,9m high (3,8m high for width of door) from 230mm brick wall	No	1		
Carried to Collection				R	
Section No. 2					
Bill No. 1					
Alterations					

		Unit	Quantity	Rate	Amount
25	Glazed aluminium shopfront including 1 x double door, overall approximate size 6,3 x 2,9m high (3,8m high for width of door) from 230mm brick wall	No	3		
26	Glazed aluminium shopfront including 1 x double door, overall approximate size 5,5 x 2,9m high (3,8m high for width of door) from 230mm brick wall	No	4		
	<u>Taking out and removing doors, windows, etc, including thresholds, sills, etc (building up openings and making good finishes elsewhere) and set aside for possible re-use</u>				
27	Glazed aluminium window 600 x 600 mm high from 270mm brick wall	No	5		
28	Glazed aluminium window 600 x 900 mm high from 270mm brick wall	No	2		
29	Glazed aluminium door 900 x 2100 mm high from 270mm brick wall	No	1		
	<u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc</u>				
30	Profile sheet steel roof covering fixed to steel purlins to curved roof profile (steelwork structure and purlins to remain)	m ²	948		
31	Profile sheet steel roof covering fixed to steel purlins to sloping pitch roof (steelwork structure and purlins to remain)	m ²	26		
32	Eaves rainwater gutter fixed with gutter brackets to structural steel or fascia board	m	110		
	<u>Taking out and removing sundry joinery work, fittings, etc</u>				
33	Granite counter top glued on top of 230mm wall to be demolished, approximately 2830 x 600mm wide	No	1		
34	Granite counter top glued on top of 230mm wall to be demolished, approximately 5450 x 600mm wide	No	1		
35	Granite counter top glued on top of 230mm wall to be demolished, approximately 11400 x 600mm wide	No	1		
36	Granite counter top fixed with 8 x steel gallow brackets rawl bolted to wall to be demolished, approximately 8600 x 600mm wide	No	1		
37	Granite counter top fixed with 10 x steel gallow brackets rawl bolted to wall to be demolished, approximately 11400 x 600mm wide	No	1		
	Carried to Collection			R	
	Section No. 2				
	Bill No. 1				
	Alterations				

		Unit	Quantity	Rate	Amount
	<u>Hacking up/off and removing ceramic tiles including removing mortar bed or adhesive from concrete or brickwork and preparing surfaces for new screed, plaster, tile finish, etc</u>				
38	Tiles to walls	m ²	44		
39	Sand stone type slate tiles fixed to walls, removed with suitable care to facilitate possible re-use of tiles	m ²	30		
	<u>Taking out and removing sundry ironmongery</u>				
40	Aluminium venetian window blind, overall size 600 x 600mm high, with sliding mechanism plugged to wall	No	5		
41	Towel rail from wall, not exceeding 900mm long	No	1		
42	Toilet roll holder, plugged to wall	No	1		
43	Liquid soap dispenser, plugged to wall	No	1		
44	Key cabinet, approximate size 400 x 540mm high, plugged to wall	No	1		
45	White board, approximate size 2000 x 1000mm high, plugged to wall	No	1		
46	Fire extinguisher including timber backing board, plugged to wall	No	13		
47	Signage plate, screwed or glued to wall	No	26		
	<u>Taking out and removing sundry metalwork</u>				
48	Single heavy duty steel safe combination door and frame from 345mm wall to be demolished, approximate size 1420 x 2140 mm high	No	1		
49	300mm High stainless steel dado feature rail in isolated lengths, plugged to wall	m	20		
	<u>Taking out and removing sanitary fittings, tanks, geysers, etc, including disconnecting from pipes, traps, etc and making good floor and wall finishes (making good tiling and paintwork elsewhere)</u>				
50	Vitreous china wash hand basin, including two taps	No	1		
51	Vitreous china close couple WC pan with cistern	No	1		
52	Stainless steel prep bowl, including sink mixer	No	1		
53	Tap for washing machine point	No	3		
	<u>Taking out/off and removing glass and mirrors</u>				
54	Mirror fixed to wall, approximate size 500 x 650mm high	No	1		
	Carried to Collection			R	
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Alterations					

	Unit	Quantity	Rate	Amount
<u>CUTTING THROUGH FLOORS AND CEILINGS</u>				
<u>Cutting through and removing</u>				
55 Cutting through and removing unreinforced concrete surface bed not exceeding 150mm thick, for opening exceeding 2m ² and not exceeding 4m ² for column bases	No	7		
56 Cutting through and removing unreinforced concrete surface bed not exceeding 150mm thick, for 600mm wide concrete wall footings	m	77		
57 Cutting through and removing unreinforced concrete surface bed not exceeding 150mm thick, for 750mm wide concrete wall footings	m	84		
<u>OPENINGS THROUGH EXISTING WALLS ETC</u>				
<u>Breaking out for and forming plain openings through brick walls (making good elsewhere measured)</u>				
58 Openings through half brick wall for new doors, windows, etc	m ²	6		
59 Openings through one brick wall for new doors, windows, etc	m ²	13		
60 Openings through 270mm cavity brick wall for new doors, windows, etc	m ²	12		
<u>PREPARATORY WORK TO EXISTING SURFACES</u>				
<u>Toothing into existing brickwork</u>				
61 Form toothing key for new concrete slab into existing brick wall by removing two bricks in a row, three courses high (six bricks per 880mm length) from inside skin of existing brick wall	m	136		
<u>Existing brickwork</u>				
62 Hack off existing cement plaster in isolated panels from brick walls and prepare for new (provisional)	m ²	125		
63 3:1 Sand / cement slurry, applied to a smooth thickness of 2-3mm thick, to walls to receive plaster finish	m ²	125		
<u>BUILDING UP OPENINGS</u>				
<u>Brickwork in NFP bricks in class II mortar in building up openings, including bonding new to existing</u>				
64 One brick walls, in building in around door frames	m ²	3		
65 270mm Cavity walls, in building in around door frames	m ²	4		
66 270mm Cavity walls, where windows previously removed	m ²	3		
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BUILDING ALTERATIONS AND RENOVATIONS

BILL NO. 1

ALTERATIONS

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Bill No. 1

Alterations

	Unit	Quantity	Rate	Amount
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<u>BUILDING ALTERATIONS AND RENOVATIONS</u>				
<u>BILL NO. 2</u>				
<u>EARTHWORKS</u>				
<u>SUPPLEMENTARY PREAMBLES</u>				
The Tenderer is referred to the relevant Clause in the separate document Model Preambles for Trades (2008 Edition) as published by the Association of South African Quantity Surveyors and the Supplementary Preambles which are incorporated in these Bills of Quantities				
<u>Proprietary items or materials</u>				
Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. Items, materials or methods of similar quality may be used with prior approval from the Architect				
<u>Project particular specifications</u>				
The specifications particular to this project are included in C3.2 Particular Specifications: Construction Works included in Envelope A Volume 1 of 2 of the tender documents. The Contractor is to take cognisance of them when pricing the relevant items in the Bill of Quantities as no extras arising out of their failure to do so will be entertained				
<u>Nature of ground</u>				
A soils investigation has not been carried out on the site				
<u>Carting away of excavated material</u>				
Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site				
<u>Filling</u>				
Notwithstanding the reference to prescribed multiple handling in clause 1 page 6 of the Standard System of Measuring Building Work, prices for filling and backfilling shall include for all selection and any necessary multiple handling of material				
Carried to Collection			R	
Section No. 2				
Bill No. 2				
Earthworks				

	Unit	Quantity	Rate	Amount
<u>Filling and layer work materials</u>				
References such as 'G1', 'G2', etc. and 'C1', 'C2', etc. in descriptions of filling and layer work materials refer to corresponding references in the document 'Guidelines for Road Construction Materials. TRH 14 : 1985' compiled by the Committee of State Road Authorities and the properties set out therein for each kind shall be applicable to the respective materials described hereinafter				
<u>EXCAVATION OTHER THAN BULK</u>				
<u>Excavation in earth not exceeding 2m deep</u>				
1	Trenches	m ³	109	
2	Holes	m ³	28	
<u>Extra over trench and hole excavations in earth for excavation in</u>				
3	Soft rock	m ³	2	
4	Hard rock	m ³	1	
<u>Extra over all excavations for loading, carting and dumping excavated material (no allowance made for increase in bulk)</u>				
5	Surplus material from excavations and/or stock piles on site, to a dumping site to be located by the contractor	m ³	137	
<u>Risk of collapse of excavations</u>				
6	Sides of trench and hole excavations not exceeding 1,5m deep	m ²	322	
7	Sides of trench and hole excavations exceeding 1,5m deep	m ²	56	
<u>Keeping excavations free of water</u>				
8	Keeping excavations free of all water other than subterranean water	Item		
<u>FILLING ETC OTHER THAN BULK</u>				
<u>Earth filling obtained from the excavations and/or prescribed stock piles on site, compacted to 93% Mod AASHTO density</u>				
9	Backfilling to trenches, holes, etc.	m ³	5	
Carried to Collection			R	
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Bill No. 2				
Earthworks				

		Unit	Quantity	Rate	Amount
	<u>Earth filling using imported G7 material in backfilling to trenches, etc. and compacted in layers not exceeding 150mm thick to 95% Mod AASHTO density</u>				
10	Backfilling to trenches, holes, etc.	m ³	79		
	<u>Earth filling using imported G5 material in backfilling to trenches, etc. and compacted in layers not exceeding 150mm thick to 95% Mod AASHTO density</u>				
11	Backfilling to trenches, holes, etc.	m ³	5		
	<u>TESTS</u>				
	<u>Prescribed tests to determine degree of compaction or other properties of ground or filling</u>				
12	Modified AASHTO Density test	No	2		
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BUILDING ALTERATIONS AND RENOVATIONS

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Earthworks

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<u>BUILDING ALTERATIONS AND RENOVATIONS</u>				
<u>BILL NO. 3</u>				
<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>				
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<u>Cost of tests</u>				
<p>The costs of making, storing and testing of concrete test cubes as required under clause 7 Tests of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the principal agent for approval. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval of the principal agent (test cubes are measured separately)</p>				
<u>Formwork</u>				
<p>Descriptions of formwork shall be deemed to include use and waste only (except where described as 'left in' or 'permanent'), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use</p>				
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Bill No. 3				
Concrete, Formwork And Reinforcement				

	Unit	Quantity	Rate	Amount
<p>The vertical strutting shall be carried down to such construction as is sufficiently strong to afford the required support without damage and shall remain in position until the newly constructed work is able to support itself</p> <p>Formwork to soffits of solid slabs etc. shall be deemed to be to slabs not exceeding 250mm thick unless otherwise described</p> <p>Formwork to soffits of slabs, beams, etc. shall be deemed to be propped up exceeding 1,5m and not exceeding 3,5m high unless otherwise described</p> <p>Formwork to sides of bases, pile caps, ground beams, etc. will only be measured where it is prescribed by the engineer for design reasons. Formwork necessitated by irregularity or collapse of excavated faces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavations, provision for which is made in Earthworks</p> <p><u>UNREINFORCED CONCRETE CAST ON/IN FORMWORK</u></p> <p><u>20MPa/19mm concrete</u></p>				
1	m ³	1		
2	m ³	10		
<p><u>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u></p> <p><u>10MPa/19mm concrete</u></p>				
3	m ³	1		
<p><u>REINFORCED CONCRETE CAST ON/IN FORMWORK</u></p> <p><u>30MPa/19mm concrete</u></p>				
4	m ³	178		
5	m ³	1		
6	m ³	4		
<p><u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u></p> <p><u>25MPa/19mm concrete</u></p>				
7	m ³	30		
<p><u>30MPa/19mm concrete</u></p>				
8	m ³	3		
Carried to Collection			R	
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Concrete, Formwork And Reinforcement				

	Unit	Quantity	Rate	Amount
<u>TEST CUBES</u>				
<u>Test cubes</u>				
9	No	10		
<u>CONCRETE SUNDRIES</u>				
<u>Finishing top surfaces of concrete smooth with a wood float</u>				
10	m ²	28		
<u>Finishing top surfaces of concrete smooth with an even brushed broom finish</u>				
11	m ²	18		
<u>Finishing top surfaces of concrete smooth with a power float</u>				
12	m ²	769		
<u>ROUGH FORMWORK (DEGREE OF ACCURACY II) (CPAP WORK GROUP NO. 111)</u>				
<u>Rough formwork to sides</u>				
13	m ²	6		
14	m ²	27		
15	m	114		
<u>Extra over rough formwork to sides for smooth formwork</u>				
16	m ²	27		
<u>Rough formwork to soffits</u>				
17	m ²	746		
18	m ²	23		
<u>Extra over rough formwork to soffits for smooth formwork</u>				
19	m ²	746		
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Concrete, Formwork And Reinforcement				

		Unit	Quantity	Rate	Amount
20	Slabs exceeding 250mm and not exceeding 500mm thick propped up exceeding 3.5m and not exceeding 5.0m high	m ²	23		
	<u>MOVEMENT JOINTS ETC</u>				
	<u>Saw-cut joints</u>				
21	Saw-cut joint in top of concrete formed of a 3mm x 75mm first cut not later than 1 day after casting concrete and 10mm x 35mm second cut at top of joint made 21 days after casting	m	160		
	<u>REINFORCEMENT (PROVISIONAL) (CPAP WORK GROUP NO. 114)</u>				
	<u>Mild steel reinforcement to structural concrete work</u>				
22	8mm Diameter bars	Tonnes	0.22		
23	10mm Diameter bars	Tonnes	0.53		
	<u>High tensile steel reinforcement to structural concrete work</u>				
24	10mm Diameter bars	Tonnes	0.12		
25	12mm Diameter bars	Tonnes	7.61		
26	16mm Diameter bars	Tonnes	13.45		
27	20mm Diameter bars	Tonnes	0.50		
28	25mm Diameter bars	Tonnes	3.85		
29	32mm Diameter bars	Tonnes	0.50		
	<u>Fabric reinforcement</u>				
30	Mesh Ref 395 fabric reinforcement in concrete ramps etc.	m ²	46		
	<u>Dowelling of steel reinforcement into concrete</u>				
31	Drill or core 30mm hole into top of reinforced concrete base for a depth of 200mm, remove all dust and water from hole by blowing out with high pressure air hose, and grout Y25 bar reinforcement into place using Hilti HIT-HY 150 Epoxy in strict accordance with product specifications	No	28		
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Concrete, Formwork And Reinforcement					

SECTION NO. 2

BUILDING ALTERATIONS AND RENOVATIONS

BILL NO. 3

CONCRETE, FORMWORK AND REINFORCEMENT

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Bill No. 3

Concrete, Formwork And Reinforcement

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 2</u>				
<u>BUILDING ALTERATIONS AND RENOVATIONS</u>				
<u>BILL NO. 4</u>				
<u>MASONRY</u>				
<p>The Tenderer is referred to the relevant Clause in the separate document Model Preambles for Trades (2008 Edition) as published by the Association of South African Quantity Surveyors and the Supplementary Preambles which are incorporated in these Bills of Quantities</p>				
<u>SUPPLEMENTARY PREAMBLES</u>				
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<u>Sizes in descriptions</u>				
<p>Where sizes in descriptions are given in brick units, 'one brick' shall represent the length and 'half brick' the width of a brick</p>				
<u>Cement Mortar</u>				
<p>Unless otherwise described, all brickwork shall be built in 1:5 cement mortar</p>				
<u>Hollow walls etc:</u>				
<p>Descriptions of hollow walls shall be deemed to include leaving every fifth perpend of the bottom course of the external skin open as a weep hole and galvanised butterfly wire ties at 5 per square metre</p>				
<p>Descriptions of hollow walls to receive concrete filled cavities shall be deemed to include building up brickwork in increments not exceeding 1m high or as otherwise instructed by Engineer, filling cavity with concrete infill, before raising brickwork further</p>				
Carried to Collection			R	
Section No. 2				
Bill No. 4				
Masonry				

	Unit	Quantity	Rate	Amount
<p>Walls in two skins described as 'bagged and sealed' shall be deemed to include having the outer face of the inner skin bagged with 1:6 cement and sand mixture and sealed with two coats 'Brixal' bitumen emulsion waterproofing coating</p> <p><u>Face bricks</u></p> <p>Bricks shall be ordered timeously to obtain uniformity in size and colour</p> <p><u>Pointing</u></p> <p>Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc.</p> <p><u>Cleaning</u></p> <p>To prevent staining of face brickwork, the contractor is required to provide cover during building or renovating operations. Refer to Clay Brick Association Clay Masonry Technical Guide, Part 6</p> <p><u>Samples</u></p> <p>Samples of all masonry building units, except those for walls described as 'load bearing', shall consist of a minimum of 6 units. Samples of building units to be used in walls described as 'load bearing' shall consist of 30 units from every 30 000 units delivered to site</p> <p>Rates for brickwork, faced brickwork, etc shall include for all required samples</p> <p><u>Sample panels</u></p> <p>A sample panel (size approximately 1000 x 1000mm high) will be required to be provided on site for co-ordination and quality of work. The Contractor is to allow for removal on completion if so required</p> <p><u>BRICKWORK IN FOUNDATIONS (PROVISIONAL)</u></p> <p><u>Brickwork of NFX bricks (14 MPa nominal compressive strength) in class II mortar</u></p>				
1	m ²	137		
<p><u>BRICKWORK IN SUPERSTRUCTURE</u></p> <p><u>Brickwork of NFP bricks (7 MPa nominal compressive strength) in class II mortar</u></p>				
2	m ²	13		
3	m ²	602		
4	m ²	428		
Carried to Collection			R	
Section No. 2				
Bill No. 4				
Masonry				

		Unit	Quantity	Rate	Amount
5	270mm Hollow walls of two half brick skins, including butterfly type wall ties	m ²	53		
	<u>Bagging of 1:3 cement and sand mixture</u>				
6	Outer face of inner skin of cavity brick walls, including two coats bituminous paint	m ²	53		
	<u>Joint forming material in movement joints</u>				
7	Two layers of 3 ply malthoid between brickwork and concrete slab in forming slip joint	m ²	15		
	<u>2,8mm Galvanised brick reinforcement</u>				
8	75mm Wide high tensile steel brick reinforcement well lapped at all angles and passings and built into brick walls horizontally	m	40		
9	150mm Wide high tensile steel brick reinforcement well lapped at all angles and passings and built into brick walls horizontally, in foundation walls (Provisional)	m	1 450		
10	150mm Wide high tensile steel brick reinforcement well lapped at all angles and passings and built into brick walls horizontally	m	2 961		
	<u>Prestressed fabricated concrete lintels including necessary temporary supports</u>				
11	115 x 76mm High 'U' profile prestressed reinforced concrete lintels including building in over openings, in lengths not exceeding 3,0m	m	89		
	<u>Galvanised hoop iron cramps, ties, etc</u>				
12	30 x 1,6mm Wall tie 500mm long with one end shot pinned to concrete and other end built into brickwork (provisional)	No	168		
13	30 x 1,6mm Wall tie 500mm long with one end shot pinned to steel column and other end built into brickwork (provisional)	No	280		
	<u>FACE BRICKWORK</u>				
	<u>Maize Travertine FBX face bricks pointed with recessed horizontal and vertical joints</u>				
14	Extra over brickwork for face brickwork	m ²	481		
15	220mm Brick on edge sill bedded sloping and jointed in cement mortar and pointed on top, edge and projecting soffit including cutting and fitting between reveals and splay cutting brickwork under	m	10		
Carried to Collection				R	
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BUILDING ALTERATIONS AND RENOVATIONS

BILL NO. 4

MASONRY

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Bill No. 4

Masonry

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 2</u>				
<u>BUILDING ALTERATIONS AND RENOVATIONS</u>				
<u>BILL NO. 5</u>				
<u>WATERPROOFING</u>				
<p>The Tenderer is referred to the relevant Clause in the separate document Model Preambles for Trades (2008 Edition) as published by the Association of South African Quantity Surveyors and the Supplementary Preambles which are incorporated in these Bills of Quantities</p>				
<u>SUPPLEMENTARY PREAMBLES</u>				
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<u>Waterproofing</u>				
<p>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</p>				
<p>Waterproofing is to be laid in strict accordance with the manufacturers code of practice and by an approved applicator</p>				
<u>Preparation of substrata</u>				
<p>Screeded roof surfaces shall be firm, dry and clean. Corners shall be coved or arris rounded. All surfaces to receive waterproofing are to be fully primed with a solvent based bitumen primer</p>				
<p>Timber boarded roof surfaces shall be dry, clean and even. All internal angles are to receive a timber triangular fillet. Corners and edges shall be arris rounded</p>				
Carried to Collection			R	
Section No. 2				
Bill No. 5				
Waterproofing				

	Unit	Quantity	Rate	Amount
<u>DAMPPROOFING OF WALLS AND FLOORS</u>				
<u>One layer 375 micron embossed polyethylene dampproof course (SANS 952-1985 type B)</u>				
1	In walls, lapped 150mm at all angles and passings	m ²	68	
2	Inserted two courses below window sills and turned up the inside face of the outer skin and tucked into grooves in the underside of the window frame	m ²	3	
<u>One layer 250 micron green polyethylene waterproof sheeting (SANS 952-1985 type C) sealed at laps with PVC self-adhesive tape</u>				
3	Under surface beds, in isolated areas	m ²	206	
<u>JOINT SEALANTS ETC. (CPAP Work Group No 120)</u>				
<u>'Sikaflex Pro 3' Silicone sealing compound including backing cord, bond breaker, primer, etc., including correction of joint filler due to shrinkage after 6 months</u>				
4	10 x 10.5mm In saw cut joints in floors	m	160	
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Bill No. 5				
Waterproofing				

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BUILDING ALTERATIONS AND RENOVATIONS

BILL NO. 5

WATERPROOFING

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Bill No. 5

Waterproofing

	Unit	Quantity	Rate	Amount
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<u>BUILDING ALTERATIONS AND RENOVATIONS</u>				
<u>BILL NO. 6</u>				
<u>ROOF COVERINGS</u>				
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<u>General</u>				
<p>The following roof sheeting systems are to be manufactured and/or supplied and installed in strict accordance with the manufacturer's and/or supplier's specifications</p>				
<p>Fixing of all roof sheeting is to be in accordance with the manufacturer's approved instruction book</p>				
<p>The manufacturer shall comply with ISO 9001 : 2008 Quality Management System. Sheeting shall be laid in strict accordance with the manufacturer's specifications by an approved contractor</p>				
<p>A written and approved five year guarantee of site-workmanship and watertightness shall be required after final inspection and approval by the manufacturer</p>				
<u>Inspection prior to installation</u>				
<p>Before commencing installation the contractor shall verify that the following items have been checked and accepted:</p>				
<p>1) The entire structure of the portion to be sheeted has been correctly aligned, leveled and grouted</p>				
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Bill No. 6				
Roof Coverings				

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	Unit	Quantity	Rate	Amount
<u>Protrusion through sheeted surfaces</u>				
Protrusions such as pipes, ducts and the like shall be adequately flashed where they pass through the sheeting surface. Where ribs must be cut away to permit penetration, additional framing is to be installed as required to support the sheeting. Depending on the position of the penetration through the roof, special attention shall be given to back flashing the sheeting to the ridge or point of water entry. In all cases, the flashing shall be so arranged that adequate provision is made for the drainage of all troughs and corrugations				
<u>Cleaning, etc:</u>				
All debris, swarf, etc. arising from the fixing of the cladding shall be removed from the sheeting as the fixing progresses. In addition, off-cuts of insulation, surplus fasteners and sealants, mandrels from pop rivets, off-cuts of flashings and sheeting, surplus flashing, food packaging, cartons, bottles, cans, etc shall not be left on the roof or in the gutters				
Care shall be taken to ensure that no such material enters, blocks or partially impedes the flow of water into the outlets, down pipes, etc.				
<u>CORRUGATED 10.5 PROFILED SHEETING AND ACCESSORIES</u>				
<u>Sheeting profile</u>				
The roof / side cladding shall be Corrugated 10.5 profile from certified SuperGalum® AZ200 coated steel G550 with a GlobalDura® colour coated finish to one side with a Cool Grey backing coat. The profile shall be rolled formed with 10,5 corrugations at 76mm centres giving a nett cover of 760mm, with a rib height of 17,5mm				
<u>Corrugated 10.5 Flashings</u>				
Stop endings must be formed at the apex to form a dam and the pan turned down at the eaves to form a drip. The roof sheeting shall be closed as necessary with purpose-made flashings of a design approved by the supplier, including poly closers where necessary. Flashings shall be fixed to roofing by means of No. 14 Topspeed Hex head screws 25mm long with 26mm diameter bonded washers on roof and 19mm diameter bonded washers for side cladding				
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Bill No. 6				
Roof Coverings				

	Unit	Quantity	Rate	Amount
<u>0,53mm Corrugated 10.5 profile roll formed of SuperGalum® AZ200 coated steel G550 with a GlobalDura® colour coated finish to one side and with a Cool Grey backing coat, fixed through 75mm thick 'Factorylite' insulation (Factorylite insulation elsewhere measured) to steel purlins using class 4 fasteners, in strict accordance with the manufacturers instructions</u>				
1	m ²	983		
2	m	553		
3	m	553		
<u>0,53mm SuperGalum® AZ200 coated steel G550 with a GlobalDura® colour coated finish to one side and with Cool Grey backing coat on internal face, fixed to roof sheeting in strict accordance with the manufacturers instructions</u>				
4	m	60		
5	m	11		
6	m	60		
7	m	6		
<u>KLIP-TITE PROFILED SHEETING AND ACCESSORIES</u>				
<u>Sheeting profile</u>				
The roof sheeting shall be double-interlocking concealed-fix Klip-Tite™ profile roll-formed continuous lengths and cut to length by a pneumatic cut-off process from certified SuperGalum® AZ200 coated steel G550 with a GlobalDura® colour coated finish to one side with a Cool Grey backing coat. The profile must include structural transverse stiffener ribs located in the pans / troughs for increased wind loading capabilities. This profile shall be rolled formed with four ribs at centres not exceeding 233mm and a cover width not exceeding 700mm				
Carried to Collection			R	
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	Unit	Quantity	Rate	Amount
<u>Klip-Tite Flashings</u>				
Flasings specifications shall be to Global Roofing Solutions standards and fixed to the sheeting with S10 brackets, or sliding brackets at apex where roof sheets are 30m or longer, to abviate any direct fixing perforations. Prior to flashings being fixed, all troughs at the apex shall be stop-ended to the full depth of the sheet to prevent any penetration of wind driven water. The trough shall be lipped at the eaves end to form a drip. Transverse flshing flanges shall be notched to the sheet profilt where necessary				
<u>0,53mm concealed-fix Klip-Tite™ profile roll formed of SuperGalum® AZ200 coated steel G550 with a GlobalDura® colour coated finish to one side and with a Cool Grey backing coat, fixed through 75mm thick 'Factorylite' insulation (Factorylite insulation elsewhere measured) to steel purlins using KL 700 Plus clips, in strict accordance with the manufacturers instructions</u>				
8	m²	873		
<u>0,53mm SuperGalum® AZ200 coated steel G550 with a GlobalDura® colour coated finish to one side and with Cool Grey backing coat on internal face, fixed to roof sheeting in strict accordance with the manufacturers instructions</u>				
9	m	88		
10	m	33		
<u>ROOF AND WALL LINING AND INSULATION (CPAP Work Group No 122)</u>				
<u>'Isover Saint-Gobain' 75mm Factorylite" White faced insulation laid over purlins at approximately 1800mm centres including white PVC coated galvanised steel straining wires at 300mm centres installed in stict accordance with the manfacturer's instructions</u>				
11	m²	1 856		
Carried to Collection			R	
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Roof Coverings				

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BUILDING ALTERATIONS AND RENOVATIONS

BILL NO. 6

ROOF COVERINGS

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Section No. 2
Bill No. 6
Roof Coverings

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 2</u>				
<u>BUILDING ALTERATIONS AND RENOVATIONS</u>				
<u>BILL NO. 7</u>				
<u>CARPENTRY AND JOINERY</u>				
<p>The Tenderer is referred to the relevant Clause in the separate document Model Preambles for Trades (2008 Edition) as published by the Association of South African Quantity Surveyors and the Supplementary Preambles which are incorporated in these Bills of Quantities</p>				
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>Proprietary items or materials</u>				
<p>Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. Items, materials or methods of similar quality may be used with prior approval from the Architect</p>				
<u>Project particular specifications</u>				
<p>The specifications particular to this project are included in C3.2 Particular Specifications: Construction Works included in Envelope A Volume 1 of 2 of the tender documents. The Contractor is to take cognisance of them when pricing the relevant items in the Bill of Quantities as no extras arising out of their failure to do so will be entertained</p>				
<u>Fixing</u>				
<p>Items described as 'nailed' shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete</p>				
<p>Items described as 'plugged' shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as 'bolted', the bolts have been given elsewhere</p>				
<u>Joinery</u>				
<p>Descriptions of frames shall be deemed to include frames, transomes, rails, etc.</p>				
<p>Descriptions of hardwood joinery shall be deemed to include sinking and pelleting heads and nuts of bolts</p>				
<u>Decorative thermosetting plastic laminate covering</u>				
<p>Laminate covering shall be glued under pressure and edge strips of same shall be butt jointed at junctions with adjacent similar finish</p>				
<u>General</u>				
<p>All glazing to doors or frames is elsewhere measured</p>				
Carried to Collection			R	
Section No. 2 Bill No. 7 Carpentry And Joinery				

	Unit	Quantity	Rate	Amount
All factory doors are to be pre-treated with a linseed oil based transit stabilizing sealer				
<u>EAVES, VERGES, ETC</u>				
<u>Medium density plain fibre-cement fascias and barge boards</u>				
1	m	113		
12 x 225mm Fascia board drilled and twice screwed with 12 x 40mm countersunk brass screws at 900mm centres to and including two 32 x 32mm wrought SA Pine stiffener battens between steel rafter or truss ends or purlins along full length of fascia, including aluminium fascia jointing plate between boards and aluminium H-profile fascia corner joiners at board ends				
<u>SKIRTINGS</u>				
<u>Wrought meranti</u>				
2	m	192		
22 x 70mm Hollow backed skirting including 19mm quadrant bead				
<u>DOORS</u>				
<u>Swartland custom made doors</u>				
3	No	1		
Cape Culture FLB Solid external double door (Code SD 30) size 1700 x 2050mm high of equal leaves, with meeting styles suitable to swing both internally and externally (door schedule ref D06)				
<u>Solid flush doors faced both sides with commercial veneer with two hardwood edges, hung to timber or steel frames</u>				
4	No	4		
40mm Door size 813 x 2050mm high (door schedule ref D05)				
5	No	1		
40mm Double door size 1469 x 2350mm high with rebated meeting styles, the one leaf 813mm wide and the other leaf 656mm wide (door schedule ref D08)				
<u>FRAMED FRAMES ETC</u>				
<u>Wrought meranti</u>				
6	m	34		
75 x 100mm Rebated frames, with galvanised lugs built into brickwork every fifth course				
<u>BEADS, ARCHITRAVES, ETC</u>				
<u>Wrought meranti</u>				
7	m	65		
19mm Quadrant beads				
8	m	2		
38 x 50mm Rebated, splayed and grooved weather boards fixed in and including grooves in doors				
Carried to Collection			R	
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Bill No. 7				
Carpentry And Joinery				

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BUILDING ALTERATIONS AND RENOVATIONS

BILL NO. 7

CARPENTRY AND JOINERY

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Bill No. 7

Carpentry And Joinery

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 2</u>				
<u>BUILDING ALTERATIONS AND RENOVATIONS</u>				
<u>BILL NO. 8</u>				
<u>CEILINGS PARTITIONS AND ACCESS FLOORING</u>				
<p>The Tenderer is referred to the relevant Clause in the separate document Model Preambles for Trades (2008 Edition) as published by the Association of South African Quantity Surveyors and the Supplementary Preambles which are incorporated in these Bills of Quantities</p>				
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>Proprietary items or materials</u>				
<p>Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. Items, materials or methods of similar quality may be used with prior approval from the Architect</p>				
<u>Project particular specifications</u>				
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<u>Descriptions</u>				
<p>Items described as nailed shall be deemed to be fixed with hardened steel nails or pins or shot pinned to brickwork or concrete</p>				
<p>Items described as plugged shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres, and where described as bolted the bolts have been given</p>				
<p>Ceiling boards must be stacked on a level surface in a dry place on a timber platform. Boards must be carried on edge</p>				
<p>Skimmed ceilings must be plastered the same day that the 'Rhino-board' has been erected</p>				
<p>Electrical light fittings, diffusers, panels, etc. generally are lay-in units of the same dimensions as the suspension grid described and allowance must be made accordingly for their support inclusive of any flexibility in setting out that may be required (ceiling panels have not been deducted and pricing is to take cognisance thereof)</p>				
Carried to Collection			R	
Section No. 2				
Bill No. 8				
Ceilings Partitions And Access Flooring				

	Unit	Quantity	Rate	Amount
<u>Ceilings</u>				
Unless otherwise described ceilings shall be deemed to be horizontal				
<u>Steel components</u>				
All steel components for ceilings, partitions, etc are to be galvanised in accordance with SANS 121				
<u>SUSPENDED ACOUSTIC PANELS</u>				
<u>SuperTec Acoustic Clouds & Shapes</u>				
1	No	8		
Glass fiber coustic suspension panel in Ice White colour, size 1200 x 1200 x 40mm thick, suspended with spring mounted hanger kit				
<u>SUSPENDED CEILINGS</u>				
<u>600 x 600 x 9mm Thick Pelican Econotile white vinylclad gypsum board ceiling panels with aluminium foil backing laid into Pelican Econogrid aluminium pre-painted exposed tee suspension system including fire safety punch outs, main and cross tees, necessary hangers, grids, etc.</u>				
2	m ²	29		
Ceilings suspended below steel purlins 1.8 extreme				
3	m	23		
Donn SM25 25 x 25mm Pre-painted aluminium recessed shadowline wall angle, plugged				
<u>FIXED PARTITIONS (CPAP WORK GROUP NO. 138)</u>				
<u>Manufacturer's details</u>				
Gridnic Agencies				
2 Voortrekker Road, Mdantsane, East London, South Africa				
Tel: (043) 761 3166				
Mobile: (082) 900 0890				
Email: brett@gridnic.co.za				
Web: www.gridnic.co.za				
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Ceilings Partitions And Access Flooring				

	Unit	Quantity	Rate	Amount
<u>FM Global approved Class 1 fire rated ISOPHEN sandwich panel system comprising 100mm thick POLYPHEN core clad both sides with 0.58mm chromodek frost white (Z-200 zinc substrate) fixed to and including 40 x 100 x 0.58mm chromodek floor channel and 40 x 40 x 0.58mm angles at suitable centres</u>				
4				
GRIDDOOR single pedestrian door size 800 x 2050mm high, comprising 37mm 15DV Expanded Polystyrene core clad on both sides with 0.5mm chromodek frost white (Z-200 Zinc Substrate) including 50mm GRIDDOOR aluminium (natural anodised) door frame c/w black neoprene doorseal on three sides of frame. Ironmongery elsewhere measured (D07)				
	No	1		
5				
GRIDDOOR double pedestrian door size 1500 x 2050mm high, comprising 37mm 15DV Expanded Polystyrene core clad on both sides with 0.5mm chromodek frost white (Z-200 Zinc Substrate) including 50mm GRIDDOOR aluminium (natural anodised) door frame c/w black neoprene doorseal on three sides of frame. Ironmongery elsewhere measured (D03 and D04)				
	No	8		
<u>SOLIDFEEL ACCESS FLOORING</u>				
<u>Manufacturer's details</u>				
Pentafloor (Pty) Ltd 16 4th Street, Wynberg, Johannesburg, South Africa Tel: (082) 887 1683 Mobile: (082) 603 0319 Email: larry@pentafloor.co.za Web: www.pentafloor.co.za				
<u>Snap Loc Pentafloor "Solidfeel 45" access floor system, supplied by Pentafloor (Pty) Ltd, with a loading capacity of 16.8 Kn/m</u>				
6				
600 x 600 x 35mm Modular and interchangeable board panel access flooring on and including supporting grid of understructure components as per manufacturers specification comprising pedestals, pedestal heads, pedestal bases, pedestal gaskets, stringers, stringer gaskets and isotropic panels finished in a high pressure laminate (colour "Grey Starlite - Code 8192") (access flooring to finish 400mm above concrete sub-floor)				
	m²	430		
7				
Junctions against walls and columns				
	m	147		
8				
Hole for not exceeding 50mm external diameter pipe through floor panel including sealing (Provisional)				
	No	90		
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Ceilings Partitions And Access Flooring				

		Unit	Quantity	Rate	Amount
9	Hole for not exceeding 150mm external diameter pipe through floor panel including sealing (Provisional)	No	21		
10	Extra over access flooring for 55% aluminium perforated airflow panel with damper kit installed with Penta 55% perforated panel	No	144		
11	Extra over access flooring for 281 x 211mm air guard with brush, including cut out	No	144		
12	Supplying, erecting, dismantling and removing from site sample of Penta 1500 access flooring. Sample size approximately 1200 x 1200 x 400mm high	No	1		
13	Panel lifing device	No	3		
	<u>Sundries to raised access flooring</u>				
14	Vacuum cleaning the floor void after installation of services	m ²	430		
15	Fire barrier 400mm high between concrete sub-floor and floor panels (2 hour fire rating) (provisional)	m	5		
16	Cutting and fitting fire barrier around pipe not exceeding 50mm diameter, including sealing	No	2		
17	Cutting and fitting fire barrier around pipe not exceeding 150mm diameter, including sealing	No	2		
	<u>CORNICES</u>				
	<u>Gyproc Rhino plasterboard cornices</u>				
18	25 x 75mm Coved cornices, plugged	m	546		
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Bill No. 8					
Ceilings Partitions And Access Flooring					

SECTION NO. 2

BUILDING ALTERATIONS AND RENOVATIONS

BILL NO. 8

CEILINGS PARTITIONS AND ACCESS FLOORING

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Bill No. 8

Ceilings Partitions And Access Flooring

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 2</u> <u>BUILDING ALTERATIONS AND RENOVATIONS</u> <u>BILL NO. 9</u> <u>FLOOR COVERINGS</u> <p>The Tenderer is referred to the relevant Clause in the separate document Model Preambles for Trades (2008 Edition) as published by the Association of South African Quantity Surveyors and the Supplementary Preambles which are incorporated in these Bills of Quantities</p> <u>SUPPLEMENTARY PREAMBLES</u> <u>Proprietary items or materials</u> <p>Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. Items, materials or methods of similar quality may be used with prior approval from the Architect</p> <u>Project particular specifications</u> <p>The specifications particular to this project are included in C3.2 Particular Specifications: Construction Works included in Envelope A Volume 1 of 2 of the tender documents. The Contractor is to take cognisance of them when pricing the relevant items in the Bill of Quantities as no extras arising out of their failure to do so will be entertained</p> <u>Adhesives and sealants</u> <p>All adhesives and sealants must meet the TVOC Content Limits outlined in Table IEQ-13.2. The contractor is advised to refer to the particular specifications where the detailed adhesives and sealants requirements are detailed</p> <u>Carpets and floor coverings</u> <p>All carpets and floor coverings must meet the TVOC emissions limits outlined in Table IEQ-13.3. The contractor is advised to refer to the particular specifications where the detailed flooring requirements are detailed</p> <u>SCREEDS, SEALERS, ETC</u> <u>Prepare surface, prime with BONDiT_e and apply mixed LEVELiT_e F30 self-levelling compound at a minimum thickness of 0.3mm, all in strict accordance with the manufacturers instructions</u>				
1	On screeded floors	m ²	347	
Carried to Collection				R
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Bill No. 9				
Floor Coverings				

		Unit	Quantity	Rate	Amount
	<u>Prepare surface and apply two coats VAPORiTE</u>				
	<u>+Plus moisture barrier, all in strict accordance with</u>				
	<u>the manufacturers instructions</u>				
2	On screeded floors	m ²	347		
	<u>FLOOR COVERINGS</u>				
	<u>2mm Palettone SD directional static dissipative</u>				
	<u>flexible PVC sheet flooring fixed with Polyflor</u>				
	<u>approved adhesive and joints welded with a fully</u>				
	<u>flexible coloured welding rod to produce hygienic</u>				
	<u>continuous finished surface laid over and including</u>				
	<u>an earthed grid of aluminium tape in No.27</u>				
	<u>conductive acrylic adhesive</u>				
3	On floors	m ²	347		
	<u>7.5mm Belgotex Berber Point 920 with NexBac</u>				
	<u>underlay, fixed to manufacturers specification</u>				
4	On floors	m ²	30		
	<u>SKIRTINGS, NOSINGS, ETC</u>				
	<u>Kirk Marketing M-Trims</u>				
5	8mm Code AEC080 N Aluminium end cover strips	m	10		
6	10 x 70 x 16mm Code STRC100 Stainless steel transition ramp cover strips fixed to concrete	m	2		
7	30mm Code ATC300 Aluminium transition cover strips fixed to concrete	m	29		
Carried to Collection				R	
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Floor Coverings					

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BUILDING ALTERATIONS AND RENOVATIONS

BILL NO. 9

FLOOR COVERINGS

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Floor Coverings

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 2</u>				
<u>BUILDING ALTERATIONS AND RENOVATIONS</u>				
<u>BILL NO. 10</u>				
<u>IRONMONGERY</u>				
<p>The Tenderer is referred to the relevant Clause in the separate document Model Preambles for Trades (2008 Edition) as published by the Association of South African Quantity Surveyors and the Supplementary Preambles which are incorporated in these Bills of Quantities</p>				
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>Proprietary items or materials</u>				
<p>Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. Items, materials or methods of similar quality may be used with prior approval from the Architect</p>				
<u>Project particular specifications</u>				
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<u>Finishes to ironmongery</u>				
<p>Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list: BS Satin bronze lacquered : CH Chromium plated : SC Satin chromium plated : SE Silver enamelled : GE Grey enamelled : AS Anodised silver : AB Anodised bronze : AG Anodised gold : ABL Anodised black : PB Polished brass : PL Polished and lacquered : PT Epoxy coated.</p>				
Carried to Collection			R	
Section No. 2 Bill No. 10 Ironmongery				

	Unit	Quantity	Rate	Amount
<u>Master keying, labelling, etc.</u>				
GGMK cylinders to form part of masterkey system for the ELIDZ. All cylinders and padlocks to be supplied under the commercial building master "GGMK" Key Control. (ELIDZ/GCP/New Building (Bushveld). Sample to be provided of code stamped on the cylinder and keys. To simplify i.e. ELISZ/GCP/eg. IW9 001, 002 etc and approved by Gary Whittaker. ELIDZ will require that 7 extra cylinders (Per Factory) be supplied under the Contract and these to be kept as spare cylinders In the ELIDZ Key Control Room. 2 x KK - key both sides, 3 x K/KB - key one side with knob turn on the other side. 2 x half cylinder is key one side only. (measured under attic stock) Labelling: All Keys To Be Labelled/Tagged Separately And Include The Following: Door number - "D 001" Description - "Workshop Entrance" Key Number - "ELIDZ/GCP/IW9 001" 3 Keys to be supplied per cylinder. 2 x for Tenant. 1 x for key room/cabinet				
<u>PRIME COST AMOUNTS</u>				
<u>Supply only of Ironmongery locksets etc.</u>				
1 Provide the prime cost amount of R 150 000 (One Hundred and Fifty Thousand Rand) for supplying of various ironmongery items from various suppliers during the duration of the Construction period	Item			150 000 00
2 Allow for taking delivery and storing of ironmongery (fixing elsewhere)	Item			
3 Profit	Item			
<u>FIXING OF IRONMONGERY (COVERED ELSEWHERE BY PRIME COST AMOUNTS)</u>				
<u>Fixing of ironmongery items, in accordance with manufacturers specification (measured per item to be fitted)</u>				
4 Removing existing door lockset, including furniture, from timber doors and frames	No	27		
5 Removing existing door lockset, including furniture, from aluminium doors and frames	No	9		
6 Fitting door lockset, including furniture, to single timber doors and frames where lock previously removed	No	26		
7 Fitting door lockset, including furniture, to double timber doors and frames where lock previously removed	No	1		
8 Fitting door lockset, including furniture, to double aluminium doors and frames where lock previously removed	No	9		
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Bill No. 10				
Ironmongery				

		Unit	Quantity	Rate	Amount
9	Fitting door lockset, including furniture, to single timber doors and frames (D05)	No	4		
10	Fitting door lockset, including furniture, to single Composite steel door and frame (D07)	No	1		
11	Fitting door lockset, including furniture, to double timber doors and frames (D06, D08)	No	2		
12	Fitting door lockset, including furniture, to double Composite steel door and frame (D03, D04)	No	8		
13	Fitting door closer, including parallel arm brackets, slide channel, etc. to timber doors and frames (provisional)	No	10		
14	Fitting sundry door furniture (hinges, flush bolts, cabin hook and eye, roller bolts, door stops, coat hooks, push or kick plates, pull handles, etc.) to timber doors and frames (provisional)	No	48		
15	Fitting sundry door furniture (hinges, flush bolts, cabin hook and eye, roller bolts, door stops, coat hooks, push or kick plates, pull handles, etc.) to Composite steel doors and frames (provisional)	No	72		
16	Fitting sundry bathroom fittings (soap dispenser, toilet roll holder, towel dispenser, waste bins, grab rails, etc.) to brick walls (provisional)	No	10		
17	Fiting signage plates screwed to timber doors or plugged to brick walls	No	20		
<u>SUNDRIES</u>					
<u>Sundries</u>					
18	6mm Diameter steel dowel 100mm long in and including mortice in timber and brickwork or concrete	No	12		
Carried to Collection				R	
Section No. 2					
Bill No. 10					
Ironmongery					

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BUILDING ALTERATIONS AND RENOVATIONS

BILL NO. 10

IRONMONGERY

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Bill No. 10

Ironmongery

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 2</u>				
<u>BUILDING ALTERATIONS AND RENOVATIONS</u>				
<u>BILL NO. 11</u>				
<u>STRUCTURAL STEELWORK</u>				
The Tenderer is referred to the relevant Clause in the separate document Model Preambles for Trades (2008 Edition) as published by the Association of South African Quantity Surveyors and the Supplementary Preambles which are incorporated in these Bills of Quantities				
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<u>Project particular specifications</u>				
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<u>National treasury designated sectors instruction number 15 of 2016/2017</u>				
Only locally produced or locally manufactured steel products and components for construction with a stipulated minimum threshold of 100 percent for local production and content will be considered in accordance with National treasury designated sectors instruction number 15 of 2016/2017				
<u>Descriptions</u>				
Descriptions of bolts shall be deemed to include nuts and washers				
Descriptions of columns and beams shall be deemed to include flat section base, top, bearer and connection plates				
Descriptions of L-shaped and U-shaped anchor bolts shall be deemed to include bending, threading, nuts and washers and embedding in concrete				
Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete				
Carried to Collection			R	
Section No. 2				
Bill No. 11				
Structural Steelwork				

	Unit	Quantity	Rate	Amount
<p>All structural steelwork to be fabricated in accordance with SANS 14713 Part 2. Dimensions and levels to be verified on site prior to manufacture. Any discrepancies found during site measure to be reported to and resolved by the Engineer prior to manufacture. All structural steel elements must be inspected by the Engineer prior to transporting to site. All bolts must be grade 8.8 unless otherwise specified by the Engineer</p> <p>All welds to be with E700XX electrodes, according to AWS or similar approved by the Engineer. All hot rolled structural steel members to be grade S355JR and plates to be grade 300WA. Purlins and girts to be pre-galvanised, unless otherwise described</p> <p>All structural steelwork inclusive of bolts, nuts, washers, plates, connections, etc., other than purlins & girts to be hot dipped galvanised in accordance with SANS 121 or ISO 1461</p> <p>All hot dipped members to be drilled, cut, welded, etc., prior to galvanising</p> <p>Prices to include for preparation of shop drawings for approval of the Engineer prior to manufacture. A minimum of 7 days must be allowed for checking of shop drawings</p> <p>Prices to include for fabrication, cutting, drilling, bending, welding, etc., delivery to site, and hoisting up and erecting into position</p> <p>Steel mass will be calculated according to the tables issued by the SA Institute of Steel Construction</p>				
<u>GALVANISED STEEL COLUMNS AND BEAMS</u>				
<u>Hot dipped galvanised members</u>				
1	UB 254 x 146 x 31 kg/m Universal column	Tonnes	2.40	
2	Plates, angles, cleats, brackets, connections, bolts (grade 8.8), washers, etc	Tonnes	0.36	
<u>GALVANISED STEEL PURLINS, GIRTS, BRACING, ETC</u>				
<u>Pre-galvanised members</u>				
3	175 x 75 x 20 x 2,5mm Cold formed lipped channel purlins (pre-punched)	Tonnes	5.07	
<u>Hot dipped galvanised members</u>				
4	CHS 114 x 4mm Circular hollow section struts	Tonnes	1.11	
5	70 x 70 x 6mm Angle section bracing	Tonnes	0.54	
6	50 x 50 x 4mm Angle section bracing in sag angles	Tonnes	0.34	
Carried to Collection			R	
Section No. 2				
Bill No. 11				
Structural Steelwork				

		Unit	Quantity	Rate	Amount
7	50 x 50 x 4mm Angle section bracing in knee bracing	Tonnes	0.10		
8	UB 305 x 102 x 33 kg/m Rafters beams	Tonnes	5.57		
9	Plates, angles, cleats, brackets, connections, bolts (grade 8.8), washers, etc.	Tonnes	1.16		
	<u>Hot dipped galvanised holding down bolts, etc.</u>				
10	16mm Diameter threaded rod in sag rods, complete with nuts and washers	m	65		
11	M20 Stud anchor 350mm long as holding down bolt (grade 8.8 threaded bar) complete with two nuts and two washers	No	80		
12	Drill or core 28mm hole in exact position into top of reinforced concrete slab for a depth of 200mm, remove all dust and water from hole by blowing out with high pressure air hose, and grout M20 holding down bolt into place using Hilti RE-100 Epoxy in strict accordance with product specifications	No	80		
13	Drill or core 30mm hole into top of reinforced concrete base for a depth of 200mm, remove all dust and water from hole by blowing out with high pressure air hose, and grout Y25 bar reinforcement into place using Hilti HIT-HY 150 Epoxy in strict accordance with product specifications	No	28		
Carried to Collection				R	
Section No. 2					
Bill No. 11					
Structural Steelwork					

SECTION NO. 2

BUILDING ALTERATIONS AND RENOVATIONS

BILL NO. 11

STRUCTURAL STEELWORK

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Section No. 2

Bill No. 11

Structural Steelwork

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 2</u>				
<u>BUILDING ALTERATIONS AND RENOVATIONS</u>				
<u>BILL NO. 12</u>				
<u>METALWORK</u>				
<p>The Tenderer is referred to the relevant Clause in the separate document Model Preambles for Trades (2008 Edition) as published by the Association of South African Quantity Surveyors and the Supplementary Preambles which are incorporated in these Bills of Quantities</p>				
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>Proprietary items or materials</u>				
<p>Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. Items, materials or methods of similar quality may be used with prior approval from the Architect</p>				
<u>Project particular specifications</u>				
<p>The specifications particular to this project are included in C3.2 Particular Specifications: Construction Works included in Envelope A Volume 1 of 2 of the tender documents. The Contractor is to take cognisance of them when pricing the relevant items in the Bill of Quantities as no extras arising out of their failure to do so will be entertained</p>				
<u>Descriptions of bolts, anchors, etc</u>				
<p>Descriptions of bolts shall be deemed to include nuts and washers</p> <p>Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete</p> <p>Metalwork described as holed for bolt(s) shall be deemed to exclude the bolts unless otherwise described</p> <p>Items described as plugged shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres</p>				
<u>Glazed aluminium works</u>				
<p>All aluminium glazed doors, windows, curtain walls and louvred doors and panels that are purpose / custom made are to be manufactured as per manufacturers specifications all in accordance with AAMSA, SAGA, NBR and SABS regulation</p> <p>Aluminium frames are not to be built in, but must be installed in openings prepared by the contractor</p>				
Carried to Collection			R	
Section No. 2				
Bill No. 12				
Metalwork				

	Unit	Quantity	Rate	Amount
<p>The contractor is to inform the aluminium manufacturer as to when the openings are ready for measurement. All dimensions are to be checked and verified on site prior to manufacture</p> <p>As far as possible, all glazed aluminium doors and windows are to be factory glazed and wrapped in protective plastic tape</p> <p>After installation the contractor is to take all necessary measures to protect the aluminium units from any on site damage, including scratched glass and mortar stained aluminium frames. Any and all damaged units are to be replaced at the contractors cost</p> <p>Curtain wall design is to be as per AGI sheerline design, endorsed by AGI solutions (Pty) Ltd</p> <p>All glazing to be in strict accordance with SAGA regulations and illustrate the appropriate mark to confirm type of glass used i.e. toughened glass</p> <p>Surfaces to receive powder coating are to be supplied by the manufacturer, complying with SANS 999:2013</p> <p><u>Ironmongery to aluminium louvre doors, sliding folding doors and shopfronts</u></p> <p>Ironmongery items in the descriptions below refer to Dormakaba product codes and specifications</p> <p>All cylinders and padlocks to be supplied under the commercial building master "GGMK" as per the key control schedule</p> <p>Sample labelling is to be provided of codes stamped on the cylinder and keys, for client approval</p> <p>All keys to be labelled / tagged separately and to include the door number, description and key number</p> <p>Three keys to be provided per cylinder</p> <p><u>ALUMINIUM WINDOWS, DOORS, ETC. (CPAP WORK GROUP NO. 149)</u></p> <p><u>Glazed aluminium powder coated casement windows as per appended window schedules, of Wispeco Casement 30.5 system, complete with subframes, ironmongery, glass, sealing, etc. and fixing to brickwork, concrete or steel support members all in accordance with manufacturer's specification</u></p>				
1	No	6		
Purpose made window unit 1600 x 600mm high overall, including one top hung casement sash 600 x 600mm high and one fixed pane 1000 x 600mm high, glazed in 6.38mm PG SmartGlass SolarShield S20 Gey laminated reflective coated safety glass (W01)				
Carried to Collection			R	
<p>Section No. 2</p> <p>Bill No. 12</p> <p>Metalwork</p>				

	Unit	Quantity	Rate	Amount
<u>Glazed aluminium powder coated shopfronts as per appended door schedules, of Clip 44 system formed of closed frame sections complete with sub frames, ironmongery, glass, sealing, etc. and fixing to brickwork, concrete or steel support members all in accordance with manufacturer's specification</u>				
2 Purpose made shopfront, 1690 x 2200mm high with one double door 1590 x 2150mm high, complete with ironmongery comprising two 2150mm aluminium sinkless hinges (5050), non hold open Cam action slide channel door closer (TS92B-SL), two 400 x 30mm offset tubular pull handle BTB (DPH206BTB), grand master keyed 65mm knob cylinder (CISA 0G302-10-12), round cylinder escatcheon (DCE-002 SS), two Alufab 150mm anodised aluminium flush bolts (M1519N), 600mm Alufab extension rod (H469), dust proof strike (DPS-SS-032), CISA anti thrust mortice nightlatch with holdback snib (55250 57 20), floor mounted door stop (DDS-SS-017), glazed in 6.38mm Clear standard strength laminated safety glass (D-01)	No	1		
3 Purpose made single door, 900 x 2125mm high, complete with ironmongery comprising three Alufab 200mm sinkless hinges (2040), lever handle on rose with cylinder escatcheons (CR003 Cyl SS), cylinder sash lock (D036S SS), grand master keyed 65mm knob cylinder (CISA 0G302-10-12), wall buffer (DDH-SS-020), glazed in 6.38mm Clear standard strength laminated safety glass (D-02)	No	1		
<u>SPECIALIST BURGLAR BARS</u>				
<u>InvisiBars transparent security window barrier fixed to aluminium window frames</u>				
4 6 x 30mm Clear polycarbonate burglar bar 600mm long fixed in two places directly into aluminium frame over opening section with stainless steel pop rivets and polyethylene cover caps	No	18		
<u>STEEL ROLLER SHUTTERS ETC</u>				
<u>Serranda galvanised steel roller shutters as per appended door schedules, with 0.6 x 75mm interlocked slats (14kg/m²) with nylon endlocks, aluminium T-bar with neoprene strip, side guides, canopy cover, etc. fixed to brickwork, concrete or steel support members all in accordance with manufacturer's specification</u>				
5 Chain operated slatted roller shutter for 2100 x 2100mm high opening, with 75mm side guides and 530mm square dust canopy cover (RSD1)	No	2		
Carried to Collection			R	
Section No. 2				
Bill No. 12				
Metalwork				

		Unit	Quantity	Rate	Amount
6	Chain operated slatted roller shutter for 2400 x 2100mm high opening, with 75mm side guides and 530mm square dust canopy cover (RSD2)	No	1		
	<u>GALVANISED HANDRAILS, BALUSTRADES, ETC.</u>				
	<u>Mentis Africa or equally approved balustrades</u>				
7	Inter-link pre-galvanised mild steel ball & tube type horizontal balustrading 1000mm high of 30mm Ø tubular continuous top and bottom rails and 40mm Ø tubular stanchion posts at centres shown on architects details (approximately 1000mm centres) set into concrete in 65mm deep coredrilled sleeve with Sika Dura-AP Epoxy paste adhesive and with 80mm Ø x 3mm floor flange post surround	m	60		
8	Extra over balustrade system for 90 degree junction (corner) between horizontal balustrade sections	No	2		
9	Extra over balustrade system for end abutment against wall to horizontal balustrade	No	2		
	<u>GALVANISED STEEL GATES, SCREENS, ETC</u>				
	<u>Purpose made hot dip galvanised after fabrication mild steel framed and welded cage, including all welding, cutting, drilling and grinding smooth</u>				
	Refer to drawing number DC-AR-1737 (Rev 00), appended to these bills of quantities				
10	Screen cage 2400 x 1800mm high of 50 x 50 x 3mm angle iron top rail, bottom rail and vertical rails (4 No), filled in with 50 x 50 x 3mm weldmesh screening fixed between members	No	10		
11	Screen cage 1000 x 1800mm high of 50 x 50 x 3mm angle iron top rail, bottom rail and vertical rails (2 No), filled in with 50 x 50 x 3mm weldmesh screening fixed between members	No	5		
12	100 x 100mm x 3mm Hollow section post 1800mm long, including closed end cap on top of post and fitted on and including 4mm flat plat bolted to concrete floor with and including 4 x M10 type suitable fixing bolts	No	21		
	<u>Purpose made hot dip galvanised after fabrication mild steel framed and welded gate, including all welding, cutting, drilling and grinding smooth</u>				
	Refer to drawing number DC-AR-1734 (Rev 00), appended to these bills of quantities				
Carried to Collection				R	
Section No. 2					
Bill No. 12					
Metalwork					

		Unit	Quantity	Rate	Amount
13	Single swing gate 900 x 1800mm high of 50 x 50 x 3mm hollow section top and bottom rails, 50 x 50 x 3mm hollow section side rails and 50 x 50 x 3mm hollow section horizontal middle rail, filled in with 50 x 50 x 3mm weldmesh screening fixed between members to 25 x 25 x 3mm thick angle iron, complete with sliding lockable pad bolt and 2 x heavy duty gate hinges fixed to steel posts (posts elsewhere measured)	No	5		
Carried to Collection				R	
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Bill No. 12					
Metalwork					

SECTION NO. 2

BUILDING ALTERATIONS AND RENOVATIONS

BILL NO. 12

METALWORK

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Section No. 2

Bill No. 12

Metalwork

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 2</u> <u>BUILDING ALTERATIONS AND RENOVATIONS</u> <u>BILL NO. 13</u> <u>PLASTERING</u> <p>The Tenderer is referred to the relevant Clause in the separate document Model Preambles for Trades (2008 Edition) as published by the Association of South African Quantity Surveyors and the Supplementary Preambles which are incorporated in these Bills of Quantities</p> <u>SUPPLEMENTARY PREAMBLES</u> <u>Proprietary items or materials</u> <p>Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. Items, materials or methods of similar quality may be used with prior approval from the Architect</p> <u>Project particular specifications</u> <p>The specifications particular to this project are included in C3.2 Particular Specifications: Construction Works included in Envelope A Volume 1 of 2 of the tender documents. The Contractor is to take cognisance of them when pricing the relevant items in the Bill of Quantities as no extras arising out of their failure to do so will be entertained</p> <u>Preparation of surfaces to receive screeds, plaster, etc.</u> <p>Surfaces shall be dry and clean, free of dust, sand, grit and flaking particles, laitance and loose matter, contaminants such as oil, grease, etc. All free standing water to be removed prior to application. Absorbent surfaces to be thoroughly pre-soaked in fresh water. Oil, grease, animal fats, etc. to be removed with suitable approved product and to be applied in strict accordance with the manufacturer's instructions. All concrete surfaces to receive plaster must first be prepared and receive an approved keying/bonding agent or a thick cement slurry coating prior to plastering</p> <p>All floors should be level and free of all material as per SANS10155 and all existing screeds should be tested for satisfactory levelness using a level light meter</p> <p>As a general rule, a maximum deviation of not more than 3mm over an area of 3m is a good guide and will give a quality level floor, with the deviation not being too close together and too frequent</p>				
Carried to Collection			R	
Section No. 2 Bill No. 13 Plastering				

	Unit	Quantity	Rate	Amount
Where the screed does not conform to these requirements then a self levelling screed is to be applied and the rates are to include for the testing of the existing screeds as described above				
<u>SCREEDS</u>				
<u>Cement screeds on concrete</u>				
1	30mm Thick on floors and landings (provisional)	m ²	46	
<u>INTERNAL PLASTER</u>				
<u>One coat (4:1) cement plaster steel trowel floated, on brickwork and/or concrete</u>				
2	On walls	m ²	1 710	
3	On projecting and isolated columns	m ²	27	
4	Concrete ceilings (provisional)	m ²	10	
5	On narrow widths	m ²	28	
<u>EXTERNAL PLASTER</u>				
<u>One coat (4:1) cement plaster steel trowel floated, on brickwork and/or concrete</u>				
6	On walls (provisional)	m ²	10	
Carried to Collection				R
Section No. 2				
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Plastering				

SECTION NO. 2

BUILDING ALTERATIONS AND RENOVATIONS

BILL NO. 13

PLASTERING

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Section No. 2

Bill No. 13

Plastering

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 2</u>				
<u>BUILDING ALTERATIONS AND RENOVATIONS</u>				
<u>BILL NO. 14</u>				
<u>PLUMBING AND DRAINAGE</u>				
The Tenderer is referred to the relevant Clause in the separate document Model Preambles for Trades (2008 Edition) as published by the Association of South African Quantity Surveyors and the Supplementary Preambles which are incorporated in these Bills of Quantities				
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>Proprietary items or materials</u>				
Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. Items, materials or methods of similar quality may be used with prior approval from the Architect and Engineer				
<u>Project particular specifications</u>				
The specifications particular to this project are included in C3.2 Particular Specifications: Construction Works included in Envelope A Volume 1 of 2 of the tender documents. The Contractor is to take cognisance of them when pricing the relevant items in the Bill of Quantities as no extras arising out of their failure to do so will be entertained				
<u>RAINWATER DISPOSAL (CPAP Work Group No 148)</u>				
<u>Seamless aluminium industrial gutter installations of pre-painted double coated Polymer Silicon baked colour Charcoal Grey enamel finish</u>				
1		100 x 200mm Industrial box gutter 580mm girth, four times bent along girth, of guage 0,9mm with matching splash plate, fixed to falls on and including 20 x 3mm dual purpose aluminium hanger brackets spaced not exceeding 600mm centres using aluminium peeled rivets, fixed to steel roof members	m	113
2		Extra over eaves gutter for stopped end crimped and sealed on the inside with Dow Coring 813 silicone sealer	No	4
3		Extra over eaves gutter for outlet for 100 x 100mm pipe and sealed on the inside with Dow Coring 813 silicone sealer	No	10
4		100 x 100mm Industrial rainwater pipe of guage 0,6mm, fixed to wall with straps spaced not exceeding 1500mm centres using nail plugs	m	61
Carried to Collection			R	
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Bill No. 14				
Plumbing And Drainage				

		Unit	Quantity	Rate	Amount
5	Extra over 100 x 100 x 0,6mm guage rainwater pipe for shoe, riveted and sealed	No	10		
6	Extra over 100 x 100 x 0,6mm guage rainwater pipe for bend, riveted and sealed	No	20		
<u>HOLES ETC (CPAP Work Group No 148)</u>					
<u>Core drilling of hole for pipe not exceeding 50mm diameter</u>					
7	Reinforced concrete slab, beam, wall, etc. not exceeding 300mm thick (provisional)	No	10		
<u>Core drilling of hole for pipe exceeding 50mm and not exceeding 100mm diameter</u>					
8	Reinforced concrete slab, beam, wall, etc. not exceeding 300mm thick (provisional)	No	5		
<u>Core drilling of hole for pipe exceeding 100mm and not exceeding 150mm diameter</u>					
9	Reinforced concrete slab, beam, wall, etc. not exceeding 300mm thick (provisional)	No	10		
<u>Core drilling of hole for pipe exceeding 200mm and not exceeding 250mm diameter</u>					
10	Reinforced concrete slab, beam, wall, etc. not exceeding 300mm thick (provisional)	No	2		
Carried to Collection				R	
Section No. 2					
Bill No. 14					
Plumbing And Drainage					

SECTION NO. 2

BUILDING ALTERATIONS AND RENOVATIONS

BILL NO. 14

PLUMBING AND DRAINAGE

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Section No. 2

Bill No. 14

Plumbing And Drainage

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 2</u>				
<u>BUILDING ALTERATIONS AND RENOVATIONS</u>				
<u>BILL NO. 15</u>				
<u>PAINTWORK</u>				
<p>The Tenderer is referred to the relevant Clause in the separate document Model Preambles for Trades (2008 Edition) as published by the Association of South African Quantity Surveyors and the Supplementary Preambles which are incorporated in these Bills of Quantities</p>				
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>Proprietary items or materials</u>				
<p>Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. Items, materials or methods of similar quality may be used with prior approval from the Architect</p>				
<u>Project particular specifications</u>				
<p>The specifications particular to this project are included in C3.2 Particular Specifications: Construction Works included in Envelope A Volume 1 of 2 of the tender documents. The Contractor is to take cognisance of them when pricing the relevant items in the Bill of Quantities as no extras arising out of their failure to do so will be entertained</p>				
<u>Paint</u>				
<p>All work to be executed in strict accordance with the manufacturers specifications and instructions</p> <p>Primers and first coats may be thinned in accordance with the paint specifications of the various paints to aid the absorption of the paint</p> <p>All surfaces must be sound, clean and have a moisture content of less than 8% for walls generally and 3% for slabs/screeds etc.</p> <p>Where surfaces of plaster etc are sandy / friable, the first coat must be replaced with a Merit' plaster primer thinned 10% with turpentine</p>				
Carried to Collection			R	
Section No. 2 Bill No. 15 Paintwork				

	Unit	Quantity	Rate	Amount
<u>PAINTWORK ETC TO NEW WORK</u>				
<u>ON FLOATED PLASTER SURFACES</u>				
<u>Prepare surfaces and remove all loose material, apply one coat Plascon Alkali Resistant Plaster Primer (UC56), one coat Plascon Universal Undercoat (UC1) and two coats Plascon Cashmere paint on</u>				
1	m ²	1 873		
2	m ²	10		
3	m ²	10		
<u>ON SMOOTH CONCRETE SURFACES</u>				
<u>Prepare surfaces and remove all loose material, apply one coat Plascon Alkali Resistant Plaster Primer (UC56), one coat Plascon Universal Undercoat (UC1) and two coats Plascon Double Velvet Pure Acrylic paint, including stopping blow holes, on</u>				
4	m ²	909		
<u>SPECIALISED EPOXY TYPE FLOOR COATINGS</u>				
<u>Flowshield SL ESD</u>				
<u>Prepare surface and fully seal the prepared surface by applying the necessary coats of Flowprime, allow the primer to harden and apply copper tape in grid format at a maximum of 3m intervals, allowing at least one earth point per every 100 m² of grid. Apply A.S. Black primer over entire floor area, allow the primer to harden and apply Flowshield ESD to a minimum thickness of 2mm. The multiple-component systems are to be carried out in strict accordance with the detailed manufacturer's instructions</u>				
5	m ²	140		
6	m	17		
<u>ON FIBRE-CEMENT BOARD SURFACES</u>				
<u>Prepare surfaces and remove all loose material, apply one coat Plascon Universal Undercoat (UC1) and two coats Plascon Wall & All Pure Acrylic paint</u>				
7	m ²	113		
Carried to Collection			R	
Section No. 2				
Bill No. 15				
Paintwork				

	Unit	Quantity	Rate	Amount
<u>ON WOOD SURFACES</u>				
<u>Prepare surface and apply one coat Plascon Wood Primer (UC2) on</u>				
8	m	33		
<u>Stop, fill, sand down and prepare wood surfaces and apply one coat Plascon Wood Primer (UC2), one coat Plascon Universal Undercoat (UC1) and two coats Plascon Velvaglo Polyurethane Enamel paint (VLO) on</u>				
9	m ²	29		
10	m	33		
11	m	192		
<u>PAINTWORK, ETC TO PREVIOUSLY PAINTED WORK</u>				
<u>ON EXISTING FLOATED PLASTER SURFACES</u>				
<u>Prepare surfaces and remove all loose material, spot prime bare areas with one coat Plascon Alkali Resistant Plaster Primer (UC56), clean with sugar soap powder solution, thoroughly rinse with clean water and apply one coat Plascon Universal Undercoat (UC1) and two coats Plascon Cashmere paint on</u>				
12	m ²	1 256		
<u>ROAD MARKINGS</u>				
<u>Prepare and apply two coats reflective road marking paint on precast concrete pavers in road surfaces etc</u>				
13	m	210		
14	m	10		
15	No	4		
16	No	2		
17	No	1		
Carried to Collection			R	
Section No. 2				
Bill No. 15				
Paintwork				

SECTION NO. 2

BUILDING ALTERATIONS AND RENOVATIONS

BILL NO. 15

PAINTWORK

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Bill No. 15

Paintwork

SECTION NO. 2

BUILDING ALTERATIONS AND RENOVATIONS

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Section No. 2
SECTION SUMMARY

SECTION NO. 3
BUILDERS WORK FOR NOMINATED
INSTALLATIONS

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 3</u>				
<u>BUILDERS WORK FOR NOMINATED INSTALLATIONS</u>				
<u>BILL NO. 1</u>				
<u>SLEEVES, DUCTS, MANHOLES, ETC</u>				
The Tenderer is referred to the relevant Clause in the separate document Model Preambles for Trades (2008 Edition) as published by the Association of South African Quantity Surveyors and the Supplementary Preambles which are incorporated in these Bills of Quantities				
<u>SUPPLEMENTARY PREAMBLES</u>				
Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. Items, materials or methods of similar quality may be used with prior approval from the Architect and Engineer				
<u>Bill descriptions</u>				
Where items in the Bill are identical to those in the previous Bills, the descriptions have been shortened and the Supplementary Preambles omitted, and therefore the full descriptions in the Trades concerned together with the relevant Supplementary Preambles are to be referred to for the full meaning and intent of each item				
<u>DUCTS FOR ELECTRICAL AND TELEPHONE CABLES, ETC.</u>				
<u>Class 9 HDPE pipes to SANS ISO 4427</u>				
1		Supply, lay, bed and prove 160mm diameter sleeve pipes with and including 1mm x 16mm Optex Pull tape, laid in and including trenches not exceeding 2m deep, including all excavations, bedding, backfilling with selected material, carting away surplus material, compacting to required density, fittings, welding, etc., complete	m	10
<u>Class 6 uPVC to SANS 966-2003</u>				
2		Supply, lay, bed and prove 50mm diameter sleeve pipes with and including 1mm x 16mm Optex pull tape, laid in and including trenches not exceeding 2m deep, including all excavations, bedding, backfilling with selected material, carting away surplus material, compacting to required density, fittings, etc., complete	m	20
Carried to Collection			R	
Section No. 3				
Bill No. 1				
Sleeves, Ducts, Manholes, Etc				

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		Unit	Quantity	Rate	Amount
18	Unreinforced 15Mpa mass concrete encasing to horizontal pipe	m³	4		
19	LV cable marker tape in open trench 150mm above cable 150mm wide of 900 guage	m	3 680		
20	Standard precast concrete cable route marker blocks in the shape of truncated pyramids approximately 300mm high, 150 x 150mm at the top and 250 x 250mm at the bottom set in ground and protruding 50mm above ground, to route of underground cable, with brass plates cast into top of blocks with the wording ' Electrical Cable' and directional arrows and the voltage rating, all as per specification under electrical specifications	No	10		
21	Cable painted kerb marker	No	5		
Carried to Collection				R	
Section No. 3					
Bill No. 1					
Sleeves, Ducts, Manholes, Etc					

SECTION NO. 3

BUILDERS WORK FOR NOMINATED INSTALLATIONS

BILL NO. 1

SLEEVES, DUCTS, MANHOLES, ETC

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SECTION NO. 3

BUILDERS WORK FOR NOMINATED INSTALLATIONS

SECTION SUMMARY

SLEEVES, DUCTS, MANHOLES, ETC

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SECTION SUMMARY

SECTION NO. 4

OCCUPATIONAL HEALTH AND SAFETY

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 4</u>				
<u>OCCUPATIONAL HEALTH AND SAFETY</u>				
<u>BILL NO. 1</u>				
<u>HEALTH AND SAFETY</u>				
<u>TRADE PREAMBLES</u>				
<u>Trade Preambles</u>				
For Trade Preambles refer to 'Model Preambles for Trades' (2008 edition) for the full descriptions of material to be used and work to be done in this Bill				
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>Supplementary Preambles</u>				
Where items in this Bill are identical to those in the previous Bills, the descriptions have been shortened, and the full descriptions in the Trades concerned are to be referred to for the full meaning and intent each item				
Prior to pricing the Principal Contractor must familiarize him/herself with the Occupational Health and Safety Act No. 85 Of 1993, Construction Regulations 2014, Covid 19 and any other relevant Regulations and Standards as well as project specific Health & Safety specifications				
The quantities contained herein serve as a guideline only to determine if the contractor has sufficiently priced for the Health and Safety obligations and demands of the Occupational Health and Safety Act No. 85 Of 1993, Construction Regulations 2014, other relevant Regulations and Standards as well as project specific Health & Safety specifications. Where quantities are missing the contractor is to insert his own quantities based on his individual requirements to comply with the Health and Safety obligations and demands of the Occupational Health and Safety Act No. 85 Of 1993, Construction Regulations 2014, other relevant Regulations and Standards as well as project specific Health & Safety specifications				
All Costs to comply with the obligations and demands of the Occupational Health and Safety Act No. 85 Of 1993, Construction Regulations 2014, Covid 19 regulations and any other relevant Regulations and Standards as well as project specific Health & Safety Specifications not listed or mentioned below must be priced in Preliminaries Section of the Bills of Quantities ' Clause 7,2 Health and Safety and Covid 19' no additional claims in respect of compliance with the above mentioned will be considered				
Carried to Collection			R	
Section No. 4				
Bill No. 1				
Health And Safety				

	Unit	Quantity	Rate	Amount
<u>OCCUPATIONAL HEALTH AND SAFETY</u>				
<u>Full time safety officer</u>				
1 Full time attendance on site of a SACPCMP-registered construction health and safety officer or manager from the start of construction until the end of project handover	Months	11		
<u>General</u>				
2 First aiders and first aid kits	Item			
3 Medical certificates of fitness Medical examination of all employees and certification of fitness by an occupational medicine practitioner. Pre-employment, annual and exit medical examination is required	Item			
4 Emergency Equipment based on the risk exposure and emergency rescue. stretchers, neck brace, spill kits, lifting and lowering hosting equipment of the injured	Lump Sum			
5 Competent inspectors for equipment such as examples scaffolding inspectors and lifting machine inspector	Lump Sum			
6 Mandatory training such as risk assessments, legal liability/OHS Act, incident investigation	Lump Sum			
7 Provide, supply and maintenance for each worker the following SANS approved personal protective equipment & clothing as per the site-specific risk assessments: • Hard Hats • Overall/work suit (100% Cotton) • Safety boots/shoes (Steel-Toe) • Safety gumboots (Steel-Toe) • Ear Plugs/Muffs • Dust Mask(at least FF2 type) • Respirators • Safety goggles • Hand gloves •Reflector vests • Other	Item			
8 Barricading and hoarding for fall arrest, SANS approved safety netting (orange color with minimum of 1,2 meters high)	Lump Sum			
9 Waste bins on site and regular removal	Item			
10 Construction signage, including the sign for the construction work permit number	Item			
Carried to Collection			R	
Section No. 4				
Bill No. 1				
Health And Safety				

		Unit	Quantity	Rate	Amount
11	Safe scaffolding	Lump Sum			
12	Safe lifting equipment for lifting and lowering pipes	Lump Sum			
13	Occupational hygiene measurement and/or AIA certification, where required Measurement or certification of risk exposure	Lump Sum			
14	Employee facilities drinking water, change facility, personal lockers, wash facilities, eating facilities) considering toilet and rest facilities along the road alignment	Lump Sum			
15	Dust control measure for the prevention of dust nuisance	Item			
<u>HEALTH AND SAFETY EDUCATION</u>					
<u>Health and safety education</u>					
16	Allow for all compulsory health and safety awareness programme (e.g. Inductions, toolbox Talks, Safety Promotions, H&S related training, etc.)	Item			
<u>Cost of medical certificates and medical surveillance</u>					
17	(a) Initial (baseline) medical examinations (quantity to be aligned with risk assessment and scaling in employment)	Item			
18	(b) Periodic and exit examinations (quantity to be aligned with risk assessment and scaling in employment)	Item			
<u>ENVIRONMENTAL</u>					
<u>Environmental</u>					
19	Provide for adequate handling and storage of materials so as to minimize contamination of ground, air or water	Item			
20	Provide for the adequate and safe collection and disposal of waste material from site by an approved method	Item			
21	Provide for rehabilitation on completion of site areas and temporary access routes not covered by construction or landscaping specifications. i.e. grass seeding/hydro seeding, maintenance of alien vegetation	Item			
Carried to Collection				R	
Section No. 4					
Bill No. 1					
Health And Safety					

		Unit	Quantity	Rate	Amount
22	Provide for stockpiling of topsoil for re-use	Item			
23	Provide for a responsible person to prepare and update Method Statements, conduct regular inspections, maintain records, and report to the Principal Agent	Item			
<u>COMPULSORY BREAKDOWN FOR THE ADJUSTMENT OF OHS</u>					
<u>Compulsory breakdown for the adjustment of OHS requirements</u>					
Value related (R_____)					
Fixed related (R_____)					
Time related (R_____)					
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SECTION NO. 4

OCCUPATIONAL HEALTH AND SAFETY

BILL NO. 1

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Health And Safety

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SECTION NO. 5
PROVISIONAL SUMS

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 5</u>				
<u>PROVISIONAL SUMS</u>				
<u>BILL NO. 1</u>				
<u>PROVISIONAL SUMS</u>				
<u>PROVISIONAL SUMS</u>				
<u>The following Selected Sub-Contract amounts are for work to be carried out by Selected Sub-Contractors in terms of clause 21 of the Principal Building Agreement</u>				
<u>DEMOLITION OF STRUCTURES INSIDE EXISTING BUILDING</u>				
<u>Demolition of concrete slab and columns</u>				
1				
Provide the amount of R 4 00 000.00 (Four Million Rands) to saw cut existing concrete structure into suitable size elements and remove to a suitable dumping site	Item			4 000 000 00
2				
Profit on above item	Item			
3				
Attendance on ditto	Item			
<u>ELECTRICAL INSTALLATION</u>				
<u>Electrical demolitions</u>				
4				
Provide the amount of R 75 000.00 (Seventy Five Thousand Rands) to isolate, disconnect, remove and transport of electrical equipment and material to ELIDZ store, including providing safety certificate	Item			75 000 00
5				
Profit on above item	Item			
6				
Attendance on ditto	Item			
<u>Electrical installation</u>				
7				
Provide the amount of R 14 200 000.00 (Forteen Million Two Hundred Thousand Rands) for Electrical Installation	Item			14 200 000 00
8				
Profit on above item	Item			
9				
Attendance on ditto	Item			
<u>MECHANICAL INSTALLATION</u>				
<u>Mechanical demolitions</u>				
10				
Provide the amount of R 75 000.00 (Seventy Five Thousand Rands) to isolate, disconnect, remove and transport of all mechanical equipment and material to ELIDZ store, including providing safety certificate	Item			75 000 00
Carried to Collection			R	
Section No. 5				
Bill No. 1				
Provisional Sums				

	Unit	Quantity	Rate	Amount
11 Profit on above item	Item			
12 Attendance on ditto	Item			
<u>Mechanical installation</u>				
13 Provide the sum of R 8 000 000.00 (Eight Million Rands) for Mechanical Installation	Item			8 000 000 00
14 Profit on above item	Item			
15 Attendance on ditto	Item			
<u>ALUMINIUM SHOPFRONTS</u>				
<u>Repairs to existing aluminium shopfronts</u>				
16 Provide the sum of R 25 000.00 (Twenty Five Thousand Rands) for repairs and servicing of existing shopfronts damaged during demolition activities	Item			25 000 00
17 Profit on above item	Item			
18 Attendance on ditto	Item			
<u>LANDSCAPING</u>				
<u>Landscaping</u>				
19 Provide the amount of R 40 000.00 (Forty Thousand Rands) for Landscaping and removal of weeds amongst road pavers, retaining blocks, etc.	Item			40 000 00
20 Profit on above item	Item			
21 Attendance on ditto	Item			
<u>SIGNAGE</u>				
<u>Signage</u>				
22 Provide the amount of R 25 000.00 (Twenty Five Thousand Rands) for Signage	Item			25 000 00
23 Profit on above item	Item			
24 Attendance on ditto	Item			
<u>SHADE PORTS</u>				
<u>Vehicle shade ports</u>				
25 Provide the amount of R 10 000.00 (Ten Thousand Rands) to replace shade cloth to existing shade port structures	Item			10 000 00
26 Profit on above item	Item			
27 Attendance on ditto	Item			
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Provisional Sums				

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		Unit	Quantity	Rate	Amount
<u>PLUMBING AND DRAINAGE</u>					
<u>Domestic plumbing and drainage</u>					
28	Provide the amount of R 45 000.00 (Forty Five Thousand Rands) to service existing domestic plumbing and to clean, service and test drainage system	Item			45 000 00
29	Profit on above item	Item			
30	Attendance on ditto	Item			
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Section No. 5
Bill No. 1
Provisional Sums

	Unit	Quantity	Rate	Amount
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<u>PROVISIONAL SUMS</u>				
<u>BILL NO. 2</u>				
<u>BUDGETARY ALLOWANCES</u>				
<u>BUDGETARY ALLOWANCES</u>				
<u>The following budgetary allowances are for work to be executed by the Contractor to be measured out and priced at Billed rates if constructed, or to be omitted from the Contract depending on the Employers requirements</u>				
1				
Provide the amount of R250 000.00 (Two Hundred and Fifty Thousand Rands) for the renovation of the existing guard house and entrance canopy, to be measured and priced at contract rates in these bills of quantities		Item		250 000 00
2				
Provide the amount of R 900 000.00 (Nine Hundred Thousand Rands) for repairs and redecoration work inside the existing building as a result of overhead demolitions, to be measured and priced at contract rates in these bills of quantities		Item		900 000 00
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Bill No. 2				
Budgetary Allowances				

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 5</u>				
<u>PROVISIONAL SUMS</u>				
<u>BILL NO. 3</u>				
<u>MONETARY ALLOWANCES</u>				
<u>MONETARY ALLOWANCES</u>				
The following monetary provisions are to be omitted from the contract sum and used as directed below				
<u>Contingencies</u>				
1				
Provide the sum of R2 000 000.00 (Two Million Rands) for Contingencies and design contingency, to be used as instructed by the Architect in terms of clause 17 of the Principal Building Agreement, which amount shall be expended at the sole discretion of the Client				
	Item			2 000 000 00
<u>Statutory Increases</u>				
2				
Provide the amount of R 1 000 000.00 (One Million Rands) for CPAP to used in terms of clause 32.13 of the Principal Building Agreement				
	Item			1 000 000 00
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Monetary Allowances				

SECTION NO. 5

PROVISIONAL SUMS

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C2.3 SCHEDULE FOR IMPORTED MATERIALS AND EQUIPMENT

Tenderer ____ Witness 1 ____ Witness 2 ____ Employer ____ Witness 1 ____ Witness 2 ____

C2.3 DPW-23 (EC): Schedule for Imported Materials and Equipment

Project title:	CONSTRUCTION OF AN DATA CENTER (MEET-ME-ROOM) FACILITY IN ZONE 1A OF THE ELIDZ
Tender no:	ES/MEET/07/20/Z1A

This schedule should be completed by the tenderer. (Attach additional pages if more space is required)

Item	Material / Equipment	Rand (R) (Excl. VAT)
1.		R
2.		R
3.		R
4.		R

The Contractor shall list imported items, materials and/or equipment which shall be excluded from the Contract Price Adjustment Provisions (if applicable) and shall be adjusted in terms of currency fluctuations only. Copies of the supplier's quotations for the items, materials or equipment (provided that such costs shall not be higher than the relevant contract rate as listed above) should be lodged with the Principal Agent / Engineer of the Department of Public Works within 60 (sixty) days from the date of acceptance of the tender. No adjustment of the local VAT amount, nor the contractor's profit, discount, mark-up, handling costs, etc. shall be allowed.

These net amounts will be adjusted as follows:

FORMULA:

The net amount to be added to or deducted from the contract sum: $A = V \times (\frac{Z}{Y} - 1)$

A = the amount (R) of adjustment

V = the net amount (supplier's quotation) (R) of the imported item

Y = exchange rate at the closing date of tender submission

Z = exchange rate on the date of payment.

SIGNED FOR THE TENDERER:	 NAME OF TENDERER	
..... SIGNATURE: TENDERER	 SIGNATURE: WITNESS 1	
NAME:		NAME:	
CAPACITY: SIGNATURE: WITNESS 2	
DATE:		NAME:	

Tenderer _____ Witness 1 _____ Witness 2 _____ Employer _____ Witness 1 _____ Witness 2 _____

C2.4: GUARANTOR PROFORMA LETTER OF INTENT

C2.4: Guarantor Proforma Letter of Intent

CONSTRUCTION OF A DATA CENTER FACILITY (MEET-ME-ROOM) IN ZONE 1A OF THE ELIDZ

TENDER No. ES/MEET/07/20/Z1A

The following letter is to be reproduced on the Guarantor's company letterhead

EAST LONDON INDUSTRIAL DEVELOPMENT ZONE SOC LTD
Lower Chester Road
EAST LONDON
5201

Date:

Attention: Mr G. Whittaker

Dear Sir,

ELIDZ: CONSTRUCTION OF A DATA CENTER FACILITY (MEET-ME-ROOM) IN ZONE 1A OF THE ELIDZ - TENDER No. ES/MEET/07/20/Z1A

I/we the undersigned undertake to provide an unaltered
JBCC Construction Guarantee on behalf of(the
Contractor) for the amount of R (in words) in favour
of the East London Industrial Development Zone SOC Ltd should
(the Contractor) be awarded the ELIDZ: Construction of a Data Center Facility (Meet-Me-
Room) in Zone 1A of the ELIDZ.

Yours faithfully,

.....
Guarantor

C2.5: FORM OF OFFER AND ACCEPTANCE

C2.5: Form of Offer and Acceptance

Project title:	CONSTRUCTION OF A DATA CENTER FACILITY (MEET-ME-ROOM) IN ZONE 1A OF THE ELIDZ
Contract No:	Es/MEET/07/20/Z1A

A. OFFER

The Employer, identified in the acceptance signature block, has solicited offers to enter into a contract for the procurement of: **CONSTRUCTION OF A DATA CENTER FACILITY (MEET-ME-ROOM) IN ZONE 1A OF THE ELIDZ**

The Tenderer, identified in the offer signature block, has examined the documents listed in the tender data and addenda thereto as listed in the returnable schedules, and by submitting this offer has accepted the conditions of tender.

By the representative of the Tenderer, deemed to be duly authorized, signing this part of this form of offer and acceptance, the Tenderer offers to perform all of the obligations and liabilities of the Contractor under the contract including compliance with all its terms and conditions according to their true intent and meaning for an amount to be determined in accordance with the conditions of contract identified in the contract data.

THE OFFERED TOTAL OF THE PRICES INCLUSIVE OF VALUE ADDED TAX IS:

Rand (in words):	
Rand in figures:	R

This offer may be accepted by the Employer by signing the acceptance part of this form of offer and acceptance and returning one copy of this document to the Tenderer before the end of the period of validity stated in the tender data, whereupon the Tenderer becomes the party named as the Contractor in the conditions of contract identified in the contract data.

THIS OFFER IS MADE BY THE FOLLOWING LEGAL ENTITY:

(cross out block which is not applicable)

Company or Close Corporation:	OR	Natural Person or Partnership:
		Whose Identity Number(s) is/are:
		Whose Income Tax Reference Number is/are:

AND WHO IS (if applicable):

Trading under the name and style of:	
--------------------------------------	--

Tenderer _____ Witness 1 _____ Witness 2 _____ Employer _____ Witness 1 _____ Witness 2 _____

AND WHO IS (if applicable):

Represented herein, and who is duly authorised to do so, by:	<p>Note: A Resolution / Power of Attorney, signed by all the Directors / Members / Partners of the Legal Entity must accompany this Offer, authorising the Representative to make this offer.</p>
Mr/Mrs/Ms:	
In his/her capacity as:	

SIGNED FOR THE TENDERER:

Name of Representative	Signature	Date

WITNESSED BY:

Name of Witness	Signature	Date

GUARANTEE OFFERED:

Guarantees submitted must be issued by either an insurance company duly registered in terms of the Short-Term Insurance Act, 1998 (Act 35 of 1998) or by a bank duly registered in terms of the Banks Act, 1990 (Act 94 of 1990) on the Form of Guarantee included in Part C2.4. No alterations or amendments of the wording of the pro-forma will be accepted.

DOMICILIUM CITANDI ET EXECUTANDI:

The Tenderer elects as its domicilium citandi et executandi in the Republic of South Africa, where any and all legal notices may be served, as (physical address):

Domicilium Citandi Et Executandi:

Other Contact Details of the Tenderer are:

Postal address:			
Code:		Tel:	
Cell:		Fax:	
Email:			

B. ACCEPTANCE

By signing this part of this form of offer and acceptance, the Employer identified below accepts the Tenderer's offer. In consideration thereof, the Employer shall pay the Contractor the amount due in accordance with the conditions of contract identified in the contract data. Acceptance of the Tenderer's offer shall form an agreement between the Employer and the Tenderer upon the terms and conditions contained in this agreement and in the contract that is the subject of this agreement.

The terms of the contract, are contained in:

- 2.1 Agreement and contract data
- 2.2 Pricing data
- 2.3 Scope of work
- 2.4 Site information

and drawings and documents or parts thereof, which may be incorporated by reference into Parts 2.1 to 2.4 above.

Deviations from and amendments to the documents listed in the tender data and any addenda thereto as listed in the tender schedules as well as any changes to the terms of the offer agreed by the Tenderer and the Employer during this process of offer and acceptance, are contained in the schedule of deviations attached to and forming part of this agreement. No amendments to or deviations from said documents are valid unless contained in this schedule.

The Tenderer shall within two weeks after receiving a completed copy of this agreement, including the schedule of deviations (if any), contact the Employer's agent (whose details are given in the contract data) to arrange the delivery of any bonds, guarantees, proof of insurance and any other documentation to be provided in terms of the conditions of contract identified in the contract data. Failure to fulfil any of these obligations in accordance with those terms shall constitute a repudiation of this agreement.

Notwithstanding anything contained herein, this agreement comes into effect, if delivered by hand on the day of delivery, or if delivered by courier within two working days after submission by the Employer to the courier services for a door-to-door delivery to the Tenderer, provided that the Employer notifies the Tenderer of the tracking number within 24 hours of such submission. Unless the Tenderer (now Contractor) within seven working days of the date of such submission notifies the Employer in writing of any reason why he cannot accept the contents of this agreement, this agreement shall constitute a binding contract between the parties.

FOR THE EMPLOYER:

Name of Signatory	Signature	Date

Name of Organisation:	East London Industrial Development Zone SOC Ltd
Address of Organisation	Lower Chester Road, Sunnyside, East London, 5201

WITNESSED BY:

Name of Witness	Signature	Date

SCHEDULE OF DEVIATIONS:

1. Subject:

Detail:

2. Subject:

Detail:

3. Subject:

Detail:

By the duly authorised representatives signing this agreement, the Employer and the Tenderer agree to and accept the foregoing schedule of deviations as the only deviations from and amendments to the documents listed in the tender data and addenda thereto as listed in the tender schedules, as well as any confirmation, clarification or changes to the terms of the offer agreed by the Tenderer and the Employer during this process of offer and acceptance.

It is expressly agreed that no other matter whether in writing, oral communication or implied during the period between the issue of the tender documents and the receipt by the Tenderer of a completed signed copy of this Agreement shall have any meaning or effect in the contract between the parties arising from this agreement.

C2.6: DECLARATION CERTIFICATE FOR LOCAL PRODUCTION AND CONTENT FOR DESIGNATED SECTORS

Tenderer ____ Witness 1 ____ Witness 2 ____ Employer ____ Witness 1 ____ Witness 2 ____

Part C2.6: Declaration Certificate for Local Production and Content for Designated Sectors

C2.6: SBD 6.2 DECLARATION CERTIFICATE FOR LOCAL PRODUCTION AND CONTENT FOR DESIGNATED SECTORS

This Standard Bidding Document (SBD) must form part of all bids invited. It contains general information and serves as a declaration form for local content (local production and local content are used interchangeably).

Before completing this declaration, bidders must study the General Conditions, Definitions, Directives applicable in respect of Local Content as prescribed in the Preferential Procurement Regulations, 2011, the South African Bureau of Standards (SABS) approved technical specification number SATS 1286:2011 (Edition 1) and the Guidance on the Calculation of Local Content together with the Local Content Declaration Templates [Annex C (Local Content Declaration: Summary Schedule), D (Imported Content Declaration: Supporting Schedule to Annex C) and E (Local Content Declaration: Supporting Schedule to Annex C)].

1. General Conditions

- 1.1. Preferential Procurement Regulations, 2011 (Regulation 9) makes provision for the promotion of local production and content.
- 1.2. Regulation 9(1) prescribes that in the case of designated sectors, where in the award of bids local production and content is of critical importance, such bids must be advertised with the specific bidding condition that only locally produced goods, services or works or locally manufactured goods, with a stipulated minimum threshold for local production and content will be considered.
- 1.3. Where necessary, for bids referred to in paragraph 1.2 above, a two-stage bidding process may be followed, where the first stage involves a minimum threshold for local production and content and the second stage price and B-BBEE.
- 1.4. A person awarded a contract in relation to a designated sector, may not sub-contract in such a manner that the local production and content of the overall value of the contract is reduced to below the stipulated minimum threshold.
- 1.5. The local content (LC) expressed as a percentage of the bid price must be calculated in accordance with the SABS approved technical specification number SATS 1286: 2011 as follows:

$$LC = [1 - x / y] * 100$$

Where

x is the imported content in Rand

y is the bid price in Rand excluding value added tax (VAT)

Prices referred to in the determination of x must be converted to Rand (ZAR) by using the exchange rate published by South African Reserve Bank (SARB) at 12:00 on the date of advertisement of the bid as indicated in paragraph 4.1 below.

The SABS approved technical specification number SATS 1286:2011 is accessible on [http://www.thedti.gov.za/industrial development/ip.jsp](http://www.thedti.gov.za/industrial%20development/ip.jsp) at no cost.

1.6. A bid may be disqualified if –

- (a) this Declaration Certificate and the Annex C (Local Content Declaration: Summary Schedule) are not submitted as part of the bid documentation; and
- (b) the bidder fails to declare that the Local Content Declaration Templates (Annex C, D and E) have been audited and certified as correct.

2. Definitions

- 2.1. **“bid”** includes written price quotations, advertised competitive bids or proposals;
- 2.2. **“bid price”** price offered by the bidder, excluding value added tax (VAT);
- 2.3. **“contract”** means the agreement that results from the acceptance of a bid by an organ of state;
- 2.4. **“designated sector”** means a sector, sub-sector or industry that has been designated by the Department of Trade and Industry in line with national development and industrial policies for local production, where only locally produced services, works or goods or locally manufactured goods meet the stipulated minimum threshold for local production and content;
- 2.5. **“duly sign”** means a Declaration Certificate for Local Content that has been signed by the Chief Financial Officer or other legally responsible person nominated in writing by the Chief Executive, or senior member / person with management responsibility(close corporation, partnership or individual).
- 2.6. **“imported content”** means that portion of the bid price represented by the cost of components, parts or materials which have been or are still to be imported (whether by the supplier or its subcontractors) and which costs are inclusive of the costs abroad (this includes labour or intellectual property costs), plus freight and other direct importation costs, such as landing costs, dock duties, import duty, sales duty or other similar tax or duty at the South African port of entry;
- 2.7. **“local content”** means that portion of the bid price which is not included in the imported content, provided that local manufacture does take place;
- 2.8. **“stipulated minimum threshold”** means that portion of local production and content as determined by the Department of Trade and Industry; and
- 2.9. **“sub-contract”** means the primary contractor’s assigning, leasing, making out work to, or employing another person to support such primary contractor in the execution of part of a project in terms of the contract.

3. **The stipulated minimum threshold(s) for local production and content (refer to Annex A of SATS 1286:2011) for this bid is/are as follows:**

<u>Description of services, works or goods</u>	<u>Stipulated minimum threshold</u>
National Treasury Designated Sectors Instruction No. 15 of 2016/2017 Stipulated Minimum Threshold of Conversion Processes for Local Production and Content for Steel Products in Components for Construction	100% as set out in Table 1A and 1B

4. Does any portion of the services, works or goods offered have any imported content?

(Tick applicable box)

YES		NO	
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Tenderer _____ Witness 1 _____ Witness 2 _____ Employer _____ Witness 1 _____ Witness 2 _____

- 4.1 If yes, the rate(s) of exchange to be used in this bid to calculate the local content as prescribed in paragraph 1.5 of the general conditions must be the rate(s) published by SARB for the specific currency at 12:00 on the date of advertisement of the bid.

The relevant rates of exchange information is accessible on www.reservebank.co.za.

Indicate the rate(s) of exchange against the appropriate currency in the table below (refer to Annex A of SATS 1286:2011):

Currency	Rates of exchange
US Dollar	
Pound Sterling	
Euro	
Yen	
Other	

NB: Bidders must submit proof of the SARB rate (s) of exchange used.

5. Were the Local Content Declaration Templates (Annex C, D and E) audited and certified as correct?

(Tick applicable box)

YES		NO	
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- 5.1. If yes, provide the following particulars:

- (a) Full name of auditor:
- (b) Practice number:
- (c) Telephone and cell number:
- (d) Email address:

(Documentary proof regarding the declaration will, when required, be submitted to the satisfaction of the Accounting Officer / Accounting Authority)

6. Where, after the award of a bid, challenges are experienced in meeting the stipulated minimum threshold for local content the dti must be informed accordingly in order for the dti to verify and in consultation with the AO/AA provide directives in this regard.

LOCAL CONTENT DECLARATION
(REFER TO ANNEX B OF SATS 1286:2011)

LOCAL CONTENT DECLARATION BY CHIEF FINANCIAL OFFICER OR OTHER LEGALLY RESPONSIBLE PERSON NOMINATED IN WRITING BY THE CHIEF EXECUTIVE OR SENIOR MEMBER/PERSON WITH MANAGEMENT RESPONSIBILITY (CLOSE CORPORATION, PARTNERSHIP OR INDIVIDUAL)

IN RESPECT OF BID NO.

ISSUED BY: (Procurement Authority / Name of Institution):

NB

- 1 The obligation to complete, duly sign and submit this declaration cannot be transferred to an external authorized representative, auditor or any other third party acting on behalf of the bidder.
- 2 Guidance on the Calculation of Local Content together with Local Content Declaration Templates (Annex C, D and E) is accessible on <http://www.thdti.gov.za/industrialdevelopment/ip.jsp>. Bidders should first complete Declaration D. After completing Declaration D, bidders should complete Declaration E and then consolidate the information on Declaration C. **Declaration C should be submitted with the bid documentation at the closing date and time of the bid in order to substantiate the declaration made in paragraph (c) below.** Declarations D and E should be kept by the bidders for verification purposes for a period of at least 5 years. The successful bidder is required to continuously update Declarations C, D and E with the actual values for the duration of the contract.

I, the undersigned, (full names),

do hereby declare, in my capacity as

of(name of bidder entity),
the following:

- (a) The facts contained herein are within my own personal knowledge.
- (b) I have satisfied myself that:
 - (i) the goods/services/works to be delivered in terms of the above-specified bid comply with the minimum local content requirements as specified in the bid, and as measured in terms of SATS 1286:2011; and
 - (ii) the declaration templates have been audited and certified to be correct.
- (c) The local content percentage (%) indicated below has been calculated using the formula given in clause 3 of SATS 1286:2011, the rates of exchange indicated in paragraph 4.1 above and the information contained in Declaration D and E which has been consolidated in Declaration C:

Bid price, excluding VAT (y)	R
Imported content (x), as calculated in terms of SATS 1286:2011	R
Stipulated minimum threshold for local content (paragraph 3 above)	
Local content %, as calculated in terms of SATS 1286:2011	

Tenderer _____ Witness 1 _____ Witness 2 _____ Employer _____ Witness 1 _____ Witness 2 _____

If the bid is for more than one product, the local content percentages for each product contained in Declaration C shall be used instead of the table above. The local content percentages for each product has been calculated using the formula given in clause 3 of SATS 1286:2011, the rates of exchange indicated in paragraph 4.1 above and the information contained in Declaration D and E.

(d) I accept that the Procurement Authority / Institution has the right to request that the local content be verified in terms of the requirements of SATS 1286:2011.

(e) I understand that the awarding of the bid is dependent on the accuracy of the information furnished in this application. I also understand that the submission of incorrect data, or data that are not verifiable as described in SATS 1286:2011, may result in the Procurement Authority / Institution imposing any or all of the remedies as provided for in Regulation 13 of the Preferential Procurement Regulations, 2011 promulgated under the Preferential Policy Framework Act (PPPFA), 2000 (Act No. 5 of 2000).

SIGNATURE: _____

DATE: _____

WITNESS No. 1 _____

DATE: _____

WITNESS No. 2 _____

DATE: _____

C2.7: DECLARATION FOR 30% SMME SUB- CONTRACTING AND TARGETED PERCENTAGE PER CIDB GROUP

C2.7 DECLARATION FOR 30% SMME SUB-CONTRACTING AND TARGETED PERCENTAGE PER CIDB GROUP

TARGETED PERCENTAGES PER CIDB GROUP

CIDB Grading irrespective of trade	Max CIDB Value Range	Minimum Targeted Percentage Allocation Appportioned to the 30%	Percentage Goal Tendered	Estimated Rand Value (R) Including VAT
Grade 1-2	R 1 000 000	1%	%	R
Grade 3	R 3 000 000	1%	%	R
Grade 4	R 6 000 000	3%	%	R
Grade 5	R 10 000 000	5%	%	R
Grade 6	R 20 000 000	6%	%	R
Grade 7	R 60 000 000	14%	%	R
Total % SMME Goal Tendered ⁽¹⁾		30%	%	R

Note (1): *Bidders that do not meet minimum SMME 30% subcontracting requirements will be deemed to be non-responsive and shall be disqualified.

CONTRACTOR DECLARATION WITH REGARDS TO 30% SMME SUB-CONTRACTING:

I / We tender the following SMME participation targets of:

Tender Amount Including VAT	R
SMME Value Including VAT	R
Percentage of SMME to Tender Amount ⁽¹⁾	%

Note (1): **Bidders that do not meet minimum SMME 30% subcontracting requirements will be deemed to be non-responsive and shall be disqualified.*

SIGNED FOR THE TENDERER: NAME OF TENDERER
..... SIGNATURE: TENDERER SIGNATURE: WITNESS 1
NAME:	NAME:
CAPACITY: SIGNATURE: WITNESS 2
DATE:	NAME: