



TENDER DOCUMENT

FOR THE

APPOINTMENT OF A CONTRACTOR FOR THE REFURBISHMENT OF EXISTING BUILDINGS AT MAHIKENG MARKET

CIDB GRADING DESIGNATION: 4GB PE or 5GB or Higher

BID NUMBER: NWDC/SBD003/2022

NAME OF TENDERER:.....

CIDB GRADING:.....

CIDB CRS NUMBER:.....

ISSUED BY:

**North West Development Corporation
22 James Watt Crescent, Industrial sites,
Mahikeng,
2745**

THE TENDER

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PART T1: TENDERING PROCEDURES

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APPOINTMENT OF A CONTRACTOR FOR THE REFURBISHMENT OF EXISTING BUILDINGS AT MAHIKENG MARKET.

T1.1 Tender Notice and Invitation to Tender

INVITATION AND NOTES TO TENDERERS

1. Invitation to Tender

Tenders are hereby invited from suitably qualified and competent contractors for the:

Appointment of a contractor for the refurbishment of existing buildings at Mahikeng Market.

Tenderers should have a CIDB rating of **4GB PE or 5GB or Higher only**. Tenders will be received until **11h00 on the 15 November 2022**. Tenders will be received on the closing dates and times shown, must be enclosed in sealed envelopes, bearing the applicable tender heading and tender number, as well as the closing time and due date, and must be submitted in the TENDER BOX situated at the North West Development Corporation Offices, 22 James Watt Crescent, Industrial Sites, Mahikeng, 2745.

Tenderers must submit the original tender document and one copy accompanied by an electronic version on a memory stick.

A tender must remain valid for a period of 120 calendar days from the closing date for the submission of tenders, during which period the tender may not be amended or withdrawn and may be accepted by the NWDC at any time during this period.

A Compulsory Clarification Meeting will be held on **Tuesday the 18th October 2022 at 10h00 on site, 3290 James Watt Crescent, Industrial Sites, Mahikeng Latitude: 25°50'26" S Longitude: 25°37'52" E**. ONLY TWO or less representatives of each prospective tenderer will be allowed to attend the meeting and site inspection.

ENQUIRIES:

Ms Neo Mogashane

E-mail: neom@nwdc.co.za

Telephone: 014 - 594 2570

Tenderers shall check that they have been provided with all necessary documents. Tenderers must advise the North West Development Corporation Tender Office immediately if there is any duplication or ambiguity or if there is any doubt as to the meaning of any word, clause, sentence, paragraph, drawing, specifications or any other particulars and have the matter rectified in writing. No liability whatsoever will be admitted in respect of errors in the tender due to the foregoing.

The **JBCC Principal Building Agreement** (edition 6.2 May 2018) together with the JBCC Preliminaries modified as shown in "Section 1: Bill No 1: Preliminaries" and all contractual obligations, terms and conditions contained in this document shall be met.

This document in its entirety incorporating the following, completed as necessary and including the following:

1. Returnable Documents required for tender evaluation purposes fully completed and signed by the authorised representative
 - a. Company Experience
 - b. CV's and Qualifications of Key Personnel
 - c. Proof of residence
2. Tax compliance status with verification pin
3. Letter of good standing for COIDA
4. Proof of CIDB grading **4GB PE or 5GB or Higher**
5. Audited Financial Statements for the last three (3) years
6. Company registration documents and identity documents of directors
7. Tender Administration Document fully completed and signed by authorised representative
8. Priced Bills of Quantities
9. Tender Form fully completed and signed by authorised representative
10. Valid BBEE Verification Certificate
11. Current workload of tenderer
12. Schedule of subcontractors proposed by the tenderer
13. OHS requirements for Construction Permit
14. Declaration for non-colluding

Failure to submit and complete all the above documentation may render a tender incomplete and liable for rejection.

In addition to the above, the following documents will be requested at tender award stage and will be incorporated in the contract document:

15. Proof of insurances.
16. JBCC Principal Building Agreement.
17. Construction guarantee.

T1.2 Tender Data

The conditions of tender are the Standard Conditions of Tender as contained in Annex F of the CIDB Standard for Uniformity in Construction Procurement as per Government Notice No. 842 published in Government Gazette No. 29138 of 18 August 2006 and as amended by Board Notice 136 Government Gazette No. 38960 of 10 July 2015. (Available on www.cidb.org.za).

The Standard Conditions of Tender make several references to the Tender Data for details that apply specifically to this tender. The Tender Data shall have precedence in the interpretation of any ambiguity or inconsistency between it and the Standard Conditions of the Tender. Each item of data given below is cross-referenced to the clause marked “F” in the above-mentioned Standard Conditions of Tender.

The word “tender” or any of its derivatives shall be interchangeable with the word “bid” and its derivatives.

The word “Employer’s Agent” shall be interchangeable with the term “Employers Representative”.

The additional conditions of tender are:

Clause number	Tender Data
F1.1	The employer is the North West Development Corporation, (<i>hereinafter referred to as “NWDC”</i>)
F1.2	<p>The bid documents issued by the Employer comprise:</p> <p>THE BID</p> <p>Part T1 Tendering procedures Part T1.1 Tender Notice and Invitation to Tender Part T1.2 Tender Data</p> <p>Part T2 Required returnable documents</p> <p>THE CONTRACT</p> <p>Part C1 Agreements and contract data C1.1 Form of Tender C1.2 Contract Data C1.3 Guarantee for Construction C1.4 Agreement in terms of Occupational Health and Safety Act, 1993 C1.5 Adjudicator’s Agreement C1.6 Waiver of Contractor’s Lien C1.7 Tender Administration Document</p> <p>Part C2 Pricing data C2.1 Pricing Instructions C2.2 Bills of Quantities</p>

Clause number	Tender Data
	<p>Part C3 Scope of works C3 Scope of Works</p> <p>Part C4 Site information C4 Site Information</p> <p>Part C5 OHS Specification; Drawings and Specifications; and GeotechReport</p>
F1.3	<p>Communication and employer's agent The Principal Agent is: Mr Mpho Kau Cell: 082 370 7016 Email: mphokau268@gmail.com</p>
F1.4	<p>Eligibility</p> <p>Only those Tenderers who are registered with the Construction Industry Development Board (CIDB) in the General Building class of construction works with stipulated, in terms of the CIDB Act No 38 of 2000, are eligible to submit tenders for this contract;</p> <p>Only Companies that satisfy the following criteria are eligible to respond to the invitation</p> <ol style="list-style-type: none"> i. Have successfully delivered similar projects in the built environment in the last five years. ii. Construction capacity at CIDB grading of 4GB PE or 5GB or Higher. iii. Number of building projects successfully completed with value > R7 million supported by completion certificates (to be attached) iv. Have in their employ persons who are capable of providing the listed services and have obtained a firm undertaking that those individuals will be available for the duration of the contract. v. Local economic development
F1.5	A two-envelope system will not be followed.
F2.1	<p>Cost of tendering</p> <p>The employer will not compensate the tenderer for any costs incurred in the preparation and submission of a tender offer, including the costs of any testing necessary to demonstrate that aspects of the offer complies with requirements.</p>
F2.2	<p>Clarification meeting</p> <p>The arrangements for a compulsory clarification meeting are as follows: Location: 3290 James Watt Crescent, Industrial Sites, Mahikeng Latitude: 25°50'26" S Longitude: 25°37'52" E Date: Tuesday the 18th October 2022 Starting time: 10h00</p>

Clause number	Tender Data
	Tenderers shall sign the attendance list in the name of the tendering entity. Addenda will be issued to, and tenders will be received only from, those tendering entities appearing on the attendance list.
F2.3	<p>Seek clarification</p> <p>Tenderers seeking further clarity, may request same by notifying the employer at least five working days before the closing date and time stated in the tender data and invitation to tender.</p>
F2.4	<p>Pricing of tender offer</p> <p>Bidders are required to price this tender document Part C2.2. When pricing tender documents the following shall apply:</p> <p>Value Added Tax</p> <ul style="list-style-type: none"> (a) The Valued Added Tax (VAT) rate shall be 15% or as otherwise provided for by legislation. (b) The successful Tenderer shall be required to produce a VAT invoice that shall only be prepared once measurements and valuations for work done in terms of the contract offer have been agreed with the Employers agent and a certificate of payment issued.
F2.5	<p>Alternative tender offers</p> <p>No alternative tender offer will be permitted</p>
	<p>The <i>whole original</i> bid document, <i>as issued by NWDC</i>, shall be submitted. <i>No copies will be accepted.</i></p> <p>Bids may only be submitted on the Bid documentation issued by NWDC.</p>
F2.6	<p>Closing time</p> <p>Tenders will close on date and time indicated in the Invitation to tender.</p>
F2.7	<p>Submission</p> <p>All the documentation submitted in response to this bid must be in English.</p> <p>The Bidder should check the numbers of the pages to satisfy themselves that none are missing or duplicated. No liability will be accepted by NWDC in regard to anything arising from the fact that pages are missing or duplicated.</p>
	<p>The employer's address for delivery of tender offers and identification details to be shown on each tender offer package as indicated in the Invitation to tender.</p> <p>Identification details: The tenderer must clearly indicate the contents on the front of the envelope, with the following details:</p> <ul style="list-style-type: none"> a) Contract Number. b) Description of project. c) The closing date of the tender. d) The name and address of the tenderer.

Clause number	Tender Data
	Telephonic, telegraphic, telex, facsimile or e-mailed tender offers will not be accepted.
F2.8	Tender Offer Validity The tender offer validity period is Hundred and Twenty (120) calendar days from the closing date of submission on tenders.
F2.9	NWDC reserves that right not to accept the lowest bid price of any quotation in part or in whole. The intention is to award the contract to the bidder who proves to be fully capable of handling the contract in terms of outputs and services and who's financially advantageous to NWDC.
F2.10	Kindly note that NWDC is entitled to amend any bid conditions, validity period, specifications, or extend the closing date of bids before the closing date. All bidders, to whom the bid documents have been issued, will be advised in writing of such amendments in good time.
F2.11	NWDC reserves the right to cancel/withdraw the bidding process. NWDC also reserves the right to award this bid as a whole or in part without furnishing reasons.
F2.12	Inspections, test and analysis Access shall be provided for inspections, test and analysis as may be required by the Employer.
F3.1	Tenders will be opened in public in the presence of tenderers' agents who choose to attend at the time and places stated in the tender data and invitation to tender. Only Tenderers names will be read out and recorded in the Tender Closure Register. Bidders may be invited to present and discuss their proposal to NWDC. Tenders will be evaluated on functionality and Pricing, as stated in the invitation to tender and tender data.
F3.2	Evaluation of tender offers Prequalification / Quality Criteria Tenderers will be assessed based on the quality criteria as set out in the table below. Tenderers scoring less than 70% will be considered non-responsive.

Clause number	Tender Data		
	Tenderers shall fill in the relevant information on the Quality Criteria Schedules in Part T2 and this information shall be used to award points for quality on the following basis per category:		
CRITERIA	POINTS	DESCRIPTION OF CRITERIA AND REQUIREMENTS REQUIREMENTS	
Company Experience	40	<p>Demonstrated experience of tendering entity with respect to General Building Construction Works.</p> <p>The Tenderer to submit Appointment Letters, Final Completion Certificates and corresponding Reference Letters on clients' letter head (with employer's name, project name, project amount, relevant contactable reference) of previous projects of similar nature and with contract sum above R6M which were completed in the last five years.</p> <p>Similar projects, in this tender, are defined as works that involve structural steel work, concrete roofs, walls.</p> <p>Note: Submission of appointment letters and completion certificates without corresponding reference letters or submission of reference letters without corresponding appointment letters and completion certificates will not be considered for scoring purposes. Points will be forfeited.</p>	
CV's and qualifications of Key Personnel (Resources)	40	<p>Points are allocated for qualifications and experience of key personnel or resources to be deployed to this project and should be available on site during the entire duration of the project.</p> <p>Expertise of the Key Personnel of the Tendering Entity to be supported by CVs signed by the relevant person and dated and copies of relevant qualifications and professional registration to be submitted with the bid. All documents to be dated and certified within 3 months of the date of submission of the bid.</p> <p>The key personal to be considered for evaluation will be the Site manager / Site agent and OHS Manager. The team will be deemed incomplete if all the five-key staff are not included. Therefore, the bidder will forfeit points on key personnel.</p>	

Clause number	Tender Data		
	Local Economic Participation	20	Local Economic Participation will be allocated maximum 10 points for Mahikeng Local Municipality participants, 10 points for Ngaka Modiri Molema DM participants, 5 points for North West Province participants and 0 points for National participants. The maximum limit on Local Content is therefore 10 points
	TOTAL	100	
	Minimum Functionality Threshold is 70%. Failure to achieve the required threshold will result in non-responsive bid.		
F3.3	<p>Acceptance of tender offer Proposals will only be accepted on condition that:</p> <p>The document is signed by a person authorised to sign on behalf of the Tenderer;</p> <p>The Contractor who submits the tender has been registered with the Construction. Industry Development Board in accordance with the Construction Industry Development Board Act No. 38 of 2000 and the CIDB Regulations 2003 promulgated in terms of the Act.</p> <p>The Employer is satisfied that the Tenderer or any of its principals have not influenced the tender offer and acceptance by the following criteria:</p> <ul style="list-style-type: none"> i. having offered, promised or given a bribe or other gift or remuneration to any person in connection with the obtaining or execution of this Contract; ii. having acted in a fraudulent or corrupt manner in obtaining or executing this Contract; iii. having approached an officer or employee of the Employer or the Employer’s Agent with the objective of influencing the award of a Contract in the Tenderer’s favour; iv. having entered into any agreement or arrangement, whether legally binding or not, with any other person, firm or company to refrain from Tendering for this Contract or as to the amount of the Tender to be submitted by either party; v. having disclosed to any other person, firm or company other than the Employer, the exact or approximate amount of his proposed Tender; vi. The Employer may, in addition to using any other legal remedies, repudiate the Tender offer and acceptance and declare the Contract invalid should it have been concluded already. 		

Clause number	Tender Data
F 3.4	<p>Reasons For Disqualification</p> <p>The NWDC reserves the right to disqualify any bidder which does any one or more of the following, and such disqualification may take place without prior notice to the offending bidder, however the bidder will be notified in writing of such disqualification:</p> <ul style="list-style-type: none"> i. bidders who failed to comply with the specifications of this document and the submission of the required documentation as outlined in this Terms of Reference; ii. bidders who submitted incomplete information and documentation according to the requirements of this bid document; iii. bidders who submitted information that is fraudulent, factually untrue or inaccurate information; iv. bidders who received information not available to other vendors through fraudulent means; and/or v. bidders who do not comply with mandatory requirements as stipulated in this bid document.

Experience of tendering company: (40 points):

Number of building projects successfully completed with value > R7 million supported by completion certificates (to be attached).

10 points for each contract up to a maximum of:

Completed Contracts	Number of points awarded	Points scored
0	0	
1	10	
2	20	
3	30	
4	40	

Site Agent/ Manager (20 points):

Attach a CV detailing your Experience in the position of Contract Site Construction Manager on contracts for the construction of the following from start to full completion and hand over:

The construction and/ or refurbishment of a buildings >R5 million in value 4 points per contract up to a maximum of:

Completed Contracts	Number of points awarded	Points scored
0	0	
1	4	
2	8	
3	12	
4	16	
5	20	

Health & Safety Officer (20 points):

Attach a CV detailing your Experience in the position of Health & Safety Officer on contracts for the construction of the following from start to full completion and hand over:

The construction and/ or refurbishment of a buildings >R5 million in value

4 points per contract up to a maximum of:

Completed Contracts	Number of points awarded	Points scored
0	0	
1	4	
2	8	
3	12	
4	16	
5	20	

Local Economic Participation (20 points):

Local Economic Participation will be allocated maximum 10 points for Mahikeng Local Municipality participants, 7 points for Ngaka Modiri Molema DM participants, 5 points for North West Province participants and 0 points for National participants. The maximum limit on Local Content is therefore 10 points.

Local Economic Participant	Number of points awarded	Points scored
National participant	0	
North West Province	5	
Ngaka Modiri Molema DM	15	
Mahikeng Local Municipality	20	

2. Contractors resources

The Tenderer shall attach to this page the profile of the project team, qualifications and experience relating to building works.

Tenderers are referred to the specific requirements detailed in the evaluation criteria.

Submission requirements (attach to this Page):

1. Organogram of full project team.
2. Detailed CV's of personnel.
3. Certified copies of qualifications.
4. 3 x Contactable references each for Contracts Manager and Site Agent (from a key member of the project team such as Client/Project Manager/Architect/Principal Agent/Principal Consultant) for a project completed within the last 5 years of a similar nature and where said individual was acting in the same designated role.

DESIGNATION	NAME OF (i) NOMINEE	NATIONALITY	SUMMARY OF		NQF Certified State NQF level
			QUALIFI- CATIONS	EXPERIENCE AND PRESENT OCCUPATION	
Contracts manager					
OHS Manager					
Other key staff (give designation)					

3. Tax compliance status with verification pin

Submission Requirements (Attach to this Page):

1. Tax compliance status with verification pin.

SIGNATURE: DATE:
(of person authorised to sign on behalf of the Tenderer)

4. Letter of good standing for COIDA

Submission Requirements (Attach to this Page):

1. Letter of good standing for COIDA.

SIGNATURE:DATE:.....
(of person authorised to sign on behalf of the Tenderer)

5. CIDB grading

Submission Requirements (Attach to this Page):

1. CIDB Certificate **4GB PE** or **5GB or Higher** rating.

Joint ventures are eligible to submit tenders provided that:

1. every member of the joint venture is registered with the CIDB and the CIDB registration is active;
2. the lead partner has a contractor grading designation in the **4GB PE** or **5GB or Higher** class of construction work; and
3. the combined contractor grading designation calculated in accordance with the Construction Industry Development Regulations is equal to or higher than a contractor grading designation determined in accordance with the sum tendered for a **4GB PE** or **5GB or Higher** class of construction work.

SIGNATURE:DATE:.....
(of person authorised to sign on behalf of the Tenderer)

6. Financial statements for the last three years

Submission Requirements (Attach to this Page):

1. Financial statements for the last three (3) years.

SIGNATURE:DATE:

(of person authorised to sign on behalf of the Tenderer)

7. Company registration documents and identity documents of directors

Submission Requirements (Attach to this Page):

1. Company registration documents and identity documents of directors.

SIGNATURE:DATE:.....
(of person authorised to sign on behalf of the Tenderer)

8. Valid BBBEE certificate

Submission Requirements (Attach to this Page):

1. Valid BBBEE Verification Certificate

SIGNATURE:DATE:.....

(of person authorised to sign on behalf of the Tenderer)

9. Current workload of a tenderer

The Tenderer shall list below or in a separate letter any present commitments and their due dates for completion.

EMPLOYER		DESCRIPTION AND NATURE OF WORKS	VALUE OF WORK (EXCL. VAT)	DATE EXPECTED TO BE COMPLETED
EMPLOYER/ CONTACT PERSON TEL. NO.	PRINCIPAL AGENT/ CONTACT PERSON TEL. NO.			

SIGNATURE:DATE:
(of person authorised to sign on behalf of the Tenderer)

10. Schedule of sub-contractors proposed by tenderer

The Tenderer shall state in the schedule below the names of all Specialist and other Sub-Contractors he wishes to employ for the Works and shall define their duties and outline their experience.

NAME OF SUB-CONTRACTOR	PROPOSED DUTIES	EXPERIENCE

SIGNATURE:DATE:
(of person authorised to sign on behalf of the Tenderer)

11. Confirmation of receipt of addenda

The tenderer shall list below any communications that received from the Principal Agent before the submission of this tender offer, amending or amplifying the tender documents, thereby confirming that the listed communications have been taken into account in this tender offer:

NO.	DATE	TITLE OR DETAILS

SIGNATURE:DATE:.....
(of person authorised to sign on behalf of the Tenderer)

12. OHS requirements for construction programme.

The Tenderer is required to provide the following documentation in line with the OHS requirements for applying a Construction Work Permit:

- a. SHE PLAN
- b. SHE Policy
- c. Company organogram
- d. Valid letter of good standing (COID)
- e. CV's and proof of competency of the personnel on the project (SACPCMP registration)
- f. Project Methodology
- g. Public Liability Insurance

SIGNATURE:DATE:.....

(of person authorised to sign on behalf of the Tenderer)

13 Declaration for non-colluding

The Tenderer shall attach to this page a signed affidavit with a stamp from the Police (SAPS) which states that:

“The Tenderer hereby declares that he/she and his/her subcontractors did not participate in an unlawful practice of colluding with another tenderer of this tender with a purpose of misleading the Client.”

SIGNATURE: DATE:

(of person authorised to sign on behalf of the Tenderer)

14. Bills of quantities

The information provided by the tenderer as part of his submission, eg. Rates, the original document shall be taken as the valid submission.

SIGNATURE:DATE:
(of person authorised to sign on behalf of the Tenderer)

PART C1: AGREEMENT AND CONTRACT DATA

PART C1: AGREEMENT AND CONTRACT DATA	27
C1.1 <u>Form of tender</u>	28
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C1.4 <u>Agreement in terms of the Occupational Health and Safety Act, 1993 (Act No 85 of 1993)</u>	45
C1.5 <u>Adjudicator's Agreement</u>	48
C1.6 <u>Waiver of contractor's lien</u>	50
C1.8 <u>Tender administration document</u>	51

C1.1 Form of tender

Form of tender

For the provision of

_____ [Description of services] (The Services) at
_____. [Name and address of building]

To: The Owners' Corporation of _____ [Name and address of building] (the Employer)

1. Having examined the terms and conditions stipulated in the Tender Invitation Letter and the contract documents, I / We hereby offer to provide all or any portion of the Services in conformity with the tender offer details below and the aforesaid mentioned terms and conditions for the sum Rands including VAT
_____ only (R _____)

Tender Offer Details

Description of Services	
Company Background, Management Structure and Experience*	
No. & Ranks of Professional Staff to be Deployed*	
Frequency of Service*	
Deliverables / Delivery Schedule*	
Client Reference*	
Cost	
Payment Terms	
Other Terms and Conditions	

Note: Any amendments to the rates offered or description given must be signed by the person who signed this Form.

{* To be modified or deleted to suit the Owners' Corporation needs}

Initial:

2. I / We agree to abide by this Tender for a period of **Ninety (90) calendar days** from the date of submission thereof and that it may be accepted at any time before the expiry of that period.

3. I / We understand that the Employer is not bound to accept the lowest or any tender he may receive.

Name and Signature_____

in the capacity of_____

duly authorized to sign tender for and on behalf of

(Company and Corp Name)_____

Registered Address of Firm_____

Date_____

Witness (signature)_____

Witness Name_____

Witness Address_____

Initial:

Schedule of diviation

Notes:

1. The extent of deviations from the Tender Documents issued by the Employer prior to the Tender closing date is limited to those permitted in terms of the Conditions of Tender.
2. A Tenderer's covering letter shall not be included in the final Contract Document. Should any matter in such letter, which constitutes a deviation as aforesaid, become the subject of agreements reached during the process of offer and acceptance, the outcome of such agreement shall be recorded here.
3. Any other matter arising from the process of offer and acceptance either as a confirmation, clarification or change to the Tender Documents and which is agreed by the Parties becomes an obligation of the Contract and shall also be recorded here.
4. Any change or addition to the Tender Documents arising from the above agreements and recorded here, shall also be incorporated into the final draft of the Contract.

1 **Subject**

 Details

2 **Subject**

 Details

1 **Subject**

 Details

By the duly authorised representatives signing this Schedule of Deviations, 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 change 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.

C1.2 Contract data

JBCC PRINCIPAL BUILDING AGREEMENT (Edition 6.2 of May 2018)

The Conditions of Contract are clauses 1 to 42 of the **JBCC Principal Building Agreement** (Edition 6.2 of May 2018) prepared by the Joint Building Contracts Committee with additions, deletions and alterations (SCC) as indicated in the Contract Data.

Copies of these conditions of contract may be obtained through most regional offices of the Association of South African Quantity Surveyors (011 315 4140), Master Builders Association (011 205 9000; 057 352 6269), South African Association of Consulting Engineers (011 463 2022), South African Institute of Architects (051 447 4909; 011 486 0684; 053 831 2003), Association of Construction Project Managers, Building Industries Federation South Africa, South African Property Owners Association or Specialist Engineering Contractors Committee.

The JBCC Principal Building Agreement makes several references to the Contract Data for specific data, which together with these conditions collectively describe the risks, liabilities and obligations of the contracting parties and the procedures for the administration of the Contract. **The Contract Data shall have precedence in the interpretation of any ambiguity or inconsistency between it and the JBCC Principal Building Agreement.**

Each item of data given below is cross-referenced to the clause in the JBCC Principal Building Agreement to which it mainly applies.

Contract variables

The schedule

This schedule contains all variables referred to this document and is divided to pre-tender and post tender categories. The pre-tender must be completed in full and included in the tender documents. Both pre-tender and the-post tender to form part of this **agreement**.

The spaces requiring information must be filled in, shown as 'not applicable' or deleted or left blank. Where choices are offered, the none-applicable items are to be deleted. Where insufficient space is provided the information should be annexed hereto and cross referenced to the applicable clause of the **schedule**.

Key cross referenced clauses are italicised in [] brackets as an aid to the user and cannot be relied upon exclusively as an indicating all related clauses

42.0 Pre-tender information

42.1 Contracting and other parties

42.1.1 Employer:	North West Development Corporation
Postal address:	22 James Watt Crescent, Industrial Sites, Mahikeng
Code:	2745
Tel:	014 594 2570
E-mail:	neom@nwdc.co.za
Tax/VAT registration No:	9024004609
[1.2] Physical address	22 James Watt Crescent, Industrial Sites, Mahikeng

42.1.2 Principal Agent [5.1]:	
Postal Address:	
Code:	
Cell:	082 370 7016
E-mail:	mphokau268@gmail.com
42.1.3 Agent (1)	
[5.2] Agent's Service:	
Postal address:	
Code:	
Tel:	
E-mail:	
42.1.4 Agent (2)	
[5.2] Agent's Service:	
Postal address:	
Code:	
Tel:	
E-mail:	
42.1.5 Agent (3)	
[5.2] Agent's Service:	
Postal address:	
Code:	
Tel:	
E-mail:	

42.1.6 Agent (4)	
[5.2] Agent's Service:	
Postal address:	
Code:	
Tel:	
E-mail:	
42.1.7 Agent (5)	
[5.2] Agent's Service:	
Postal address:	
Code:	
Tel:	
E-mail:	
42.1.8 Agent (6)	
[5.2] Agent's Service:	
Postal address:	
Code:	
Tel:	
E-mail:	
42.1.9 Agent (7)	
[5.2] Agent's Service:	
Postal address:	
Code:	
Tel:	

E-mail:	
4.2 CONTRACT DETAILS	
42.2.1 Works description:	Appointment of a contractor for the refurbishment of existing buildings at mahikeng market
	The scope of works will cover alterations, electrical works , External Works (paving, roadworks etc), External Plumbing and Drainage
42.2.2 Site description	Erf/Stand Number:
	Township/Suburb: Mahikeng
	Site Address: September at 10h00 on site, 3290 James Watt Crescent, Industrial Sites, Mahikeng Latitude: 25°50'26" S Longitude: 25°37'52" E
	Local Authority: Mafikeng Local Municipality
42.2.3 Work installation [22.2] by direct Contractors	Not Applicable
42.2.4 Specific options that are applicable to a state organ only	
[41.0] Where so	
[31.11.2#] (1) Interest rate legislation	The interest 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) will apply
[11.2#] (2) Lateral support insurance to be affected by contractor	(yes/no) No
[31.4.2#] (3) Payment will be made for materials and goods	(yes/no) Yes, but on site only

[40.2.2#] (4) Dispute resolution by litigation	(yes/no)	Yes
[26.1.2#] (5) Extended defects liability period applicable to the following elements:		
To the whole works.		
42.2.5 Possession of the site is to be given on [15.2.1]	<i>(date)</i> To be confirmed on appointment	
42.2.6 Period for the commencement of the works after [15.3] The contractor takes possession of the site	<i>(working days)</i> Ten (10)	
42.2.7 For the Works as a whole: [24.3.1] The date for practical completion [30.1] and the penalty per calendar day or	Date	Penalty Amount
	6 Months from Site Handover to Contractor	5.75 cents per R100 of the contract value
42.2.8 For the Works in sections: [24.3.1] The date for practical completion [28.1] and the penalty per calendar day	Date	Penalty Amount
	Section 1	N/A
Section 2		
Section 3		
Section 4		
Section 5		
Section 6		
42.2.9 The law applicable to this agreement shall be that of [1.2]	<i>(country)</i> Republic of South Africa	
42.3 INSURANCES		
42.3.1 Contract works insurances to be affected by [10.1#, 10.2#, 12.1#]	(Employer /Contractor) Contractor	
For the sum of (Amount)	contract sum plus 10%	

With the deductible of (Amount)	R10 000.00.	
42.3.2 Supplementary insurance is required (yes/no) [10.1#, 10.2#, 12.1#]	Yes	
(where 'yes' state requirement): Such insurance shall comprise a Coupon Policy for Special Risks issued by the South African Special Risk Insurance Association. SASRIA Insurance will be effected by the contractor to the contract sum + 10%		
42.3.3 Public liability insurance to be affected by [11.1#, 12.1#]	<u>(Employer /Contractor)</u> Contractor	
For the sum of (Amount)	R 5,000,000.00	
With the deductible of (Amount)	R10 000.00.	
42.3.4 Support insurance to be affected by the [11.2#, 12.1#]	<u>(Employer /Contractor)</u> Contractor	
For the sum of (Amount)	R 2,000,000.00	
With the deductible of (Amount)	R10 000.00.	
42.4 DOCUMENTS		
42.4.1 Waiver of the contractor's lien or right of continuing possession is required [3.3, 15.1.3, 31.16.2#]	(yes/no)	Yes
42.4.2 Construction Documents Copies to be supplied [3.7] to the contractor free of charge	(N° of)	Three (3)
42.4.3 Bills of Quantities/Lumpsum document schedule of rates drawn up in accordance with (State measuring system) :	Standard System of Measuring Building Work (as amended) published and issued by the Association of South African Quantity Surveyors (Seventh Edition), 2015	
42.4.4 On acceptance of the tender the bills of quantities/ lump sum documents [15.1.1] is to be submitted within working days	(N° of)	N/A
42.4.5 JBCC Engineering General conditions are to be included [3.4] in the contract documents [31.5.3]	(yes/no)	No
[32.13] Where the CPAP is to be used (base month) Alternative indices if applicable	N/A	
42.4.7 Details of changes made to the provisions of JBCC standard documentation [3.10] [An addendum referenced to this clause is to be attached should be space provided be insufficient]		

42.0 POST-TENDER INFORMATION			
Note: All information for this section requires consultation with the contractor . The principal agent shall not pre-select any of the alternatives available to the contractor			
42.5 CONTRACT DETAILS			
42.5.3 The latest day of the month for the issue of an interim payment certificate [31.3]	(day of month)	25th of each month	
42.5.4 The preliminaries amount shall be paid in terms of [32.12]	(Alternative A or B)		
42.5.5 The preliminaries amount shall be adjusted in terms of [32.12]	(Alternative A or B)		
42.5.6 The payment Guarantee to be effected by the employer for the sum of [3.1#]	(Amount)	N/A	
42.5.7 The securities to be provided by the contractor are:			
[14.3] (yes/no)	(1) Variable construction guarantee		
[14.4] (yes/no)	(2) Fixed construction guarantee		
[14.5] (yes/no)	(3) Advance payment guarantee	N/A	
42.5.8 The annual Building holiday period after the: [29.7.2] Commencement of the construction period (dates)		From	To
42.6 DOCUMENTS			
42.6.1 Contract documents marked and annexed here to			
Priced bills of quantities yes/no	Yes	(marked)	Part C2.2
Lump sum documents yes/no	N/A	(marked)	
Guarantee yes/no	Yes	(marked)	Part C1.3
Contract drawings yes/no	Yes	(marked)	

Other documents yes/no		(marked)	
42.6.2 Signed set of Contract documents originals held by principal agent (yes/no)			No
[3.6.1#] If "no" held by: North West Development Corporation			
Postal Address: North West Development Corporation Offices, 22 James Watt Crescent, Industrial Sites, Mahikeng,			
Code: 2745	Fax:	Tel: 014 594 2570	
E-mail: neom@nwdc.co.za			
42.7 DISPUTE RESOLUTION			
42.7.1 The default dispute resolution process is adjudication [40.2.1#] (insert arbitration only where adjudication do not apply)		Adjudication	
Note: it is considered good practice to name the person to be appointed or the body to make such appointment			
Name of nominating body: Association of Arbitrators (South Africa)			

C1.3 Guarantee for Construction

For use with the **JBCC PRINCIPAL BUILDING AGREEMENT** (Edition 6.2 of May 2018)

Date:.....

Executive
North West Development Corporation Offices
22 James Watt Crescent, Industrial Sites,
Mahikeng, 2745

Dear Sir/Madam,

GUARANTEE FOR CONSTRUCTION

For use with the **JBCC PRINCIPAL BUILDING AGREEMENT** (Edition 6.2 of May 2018)

GUARANTOR DETAILS AND DEFINITIONS

"Guarantor" means:

Physical Address: _____

Guarantor's signatory: _____

Capacity: _____

Name of Signatory: _____

"Employer" means:

"Contractor" means: **North West Development Corporation**

"Principal Agent" means:

"Works" means: **Appointment of a suitable service provider for the refurbishment of existing buildings at mahikeng market**

"Site" means: **3290 James Watt Crescent, Industrial Sites, Mahikeng Latitude: 25°50'26" S Longitude: 25°37'52" E**

"Contract" means: The Agreement made in terms of the Form of Offer and Acceptance (both In Doornfontein campus) and such amendments or additions to the Contract as may be agreed in writing between the parties.

"Contract Sum" means: The accepted amount inclusive of tax of:

R _____

Amount in Words:

"Guaranteed Sum" means: The maximum aggregate amount of: 5% or 10% of Contract Sum

Amount in Words:

"Security for Construction": (Insert Fixed or Variable)

"Expiry Date" means: **Upon issue of the Final Payment Certificate**

AGREEMENT DETAILS

Sections: _____ Total number / not applicable _____

Last Section: _____

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: R _____ _____ _____	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 50% of the contract sum.

Amount in words

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

Amount in words

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

R _____

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 the only Certificate of Final Completion or the last Certificate of Final Completion where there are sections.

Amount in words

1.1.4 Reducing to the Guaranteed Sum (not exceeding 2.0% of the contract sum) in the amount of:

R _____

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.

Amount in words

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 validity.

2.0 Guarantee for construction (Fixed)

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 them Guaranteed Sum as follows:

GUARANTOR’S LIABILITY
Maximum Guaranteed Sum (not exceeding 5.0% of the contract sum) in the amount of:

PERIOD OF LIABILITY
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.

R _____

Amount in words	
-----------------	--

- 3.0 The GUARANTOR acknowledges that;
- 3.1 Any reference in this Performance Guarantee to the Contract is made for the purpose of convenience and shall not be construed as any intention whatsoever to create an accessory obligation or any intention whatsoever to create a suretyship;
- 3.2 its obligation under the Performance Guarantee is restricted to the payment of money.
- 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.
- 4.0 Subject to the Guarantor’s maximum liability referred to in clauses 1.0 or 2.0, the Guarantor undertakes to pay the Employer the sum certified on receipt of the documents identified in 4.1 to 4.3:--
- 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.
- 4.2 A first 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.
- 4.3 A copy of the applicable payment advice which entitles the Employer to receive payment in terms of the Agreement of the sum certified in 4.0.

- 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:--
- 5.1 The Agreement has been terminated due to the Contractor's default and that the Security for Construction is called up in terms of 5.0. The demand notice shall enclose a copy of the notice of termination; or
- 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.
- 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 Security 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).....

Capacity.....

Guarantor's signatory (2).....

Capacity.....

Witness signatory (1).....

Witness signatory (2).....

Guarantor's seal or stamp:



C1.4 Agreement in terms of the Occupational Health and Safety Act, 1993 (Act No 85 of 1993)

THIS AGREEMENT made at

on this the _____ day of _____ in the year _____

between North West Development Corporation (hereinafter called "the Employer") of the one part, herein represented by

in his capacity as

and

(hereinafter called "the Mandatory") of the other part, herein represented by

in his capacity as

WHEREAS the Employer is desirous that certain works be constructed, viz :

Appointment of a suitable service provider for the refurbishment of existing buildings at mahikeng market

and has accepted a Bid by the Mandatory for the construction, completion and maintenance of such Works and whereas the Employer and the Mandatory have agreed to certain arrangements and procedures to be followed in order to ensure compliance by the Mandatory with the provisions of the Occupational Health and Safety Act, 1993 (Act 85 of 1993);

Now therefore this agreement witnesseth as follows:

1. The Mandatory shall execute the work in accordance with the Contract Documents pertaining to this Contract.
2. This Agreement shall hold good from its Commencement Date, which shall be the date of a written notice from the Employer or Engineer requiring him to commence the execution of the Works, to either
 - (a) the date of the Final Approval Certificate issued in terms of the JBCC,
3. The Mandatory declares himself to be conversant with the following:
 - (a) All the requirements, regulations and standards of the Occupational Health and Safety Act (Act 85 of 1993), hereinafter referred to as "The Act", together with its amendments and with special reference to the following Sections of The Act:
 - (i) Section 8 : General duties of employers to their employees;
 - (ii) Section 9 : General duties of employers and self-employed persons to persons other than employees;
 - (iii) Section 37 : Acts or omissions by employees or mandataries, and
 - (iv) Subsection 37(2) relating to the purpose and meaning of this Agreement.

(b) The procedures and safety rules of the Employer as pertaining to the Mandatory and to all his subcontractors.

4. In addition to the requirements of the JBCC and all relevant requirements of the above-mentioned Volume 3, the Mandatory agrees to execute all the Works forming part of this Contract and to operate and utilise all machinery, plant and equipment in accordance with the Act.

5. The Mandatory is responsible for the compliance with the Act by all his subcontractors, whether or not selected and/or approved by the Employer.

6. The Mandatory warrants that all his and his subcontractors' workmen are covered in terms of the Compensation for Occupational Injuries and Diseases Act, 1993 which cover shall remain in force whilst any such workmen are present on site. A letter of good standing from the Compensation Commissioner to this effect must be produced to the Employer upon signature of the agreement.

7. The Mandatory undertakes to ensure that he and/or subcontractors and/or their respective employers will at all times comply with the following conditions:

The Mandatory shall assume the responsibility in terms of Section 16.1 of the Occupational Health and Safety Act. The Mandatory shall not delegate any duty in terms of Section 16.2 of this Act without the prior written approval of the Employer. If the Mandatory obtains such approval and delegates any duty in terms of section 16.2 a copy of such written delegation shall immediately be forwarded to the Employer.

All incidents referred to in the Occupational Health and Safety Act shall be reported by the Mandatory to the Department of Labour as well as to the Employer. The Employer will further be provided with copies of all written documentation relating to any incident.

The Employer hereby obtains an interest in the issue of any formal inquiry conducted in terms of section 32 of the Occupational Health and Safety Act into any incident involving the Mandatory and/or his employees and/or his subcontractors.

8. The contact details of the OH&S Agent for the **NWDC** will be advised on date of award

In witness thereof the parties hereto have set their signatures hereon in the presence of the subscribing witnesses:

SIGNED FOR AND ON BEHALF OF NWDC:

WITNESS

NAME
(IN CAPITALS)

SIGNED FOR AND ON BEHALF OF THE MANDATORY:

WITNESS

NAME
(IN CAPITALS)

Certificate of authority for signatory to agreement in terms of occupational health and safety act, 1993 (act no 85 of 1993)

The signatory for the company that is the Contractor in terms of the above-mentioned Contract and the Mandatory in terms of the above-mentioned Act shall confirm his or her authority thereto by attaching to this page a duly signed and dated copy of the relevant resolution of the Board of Directors.

An example is given below:

"By resolution of the Board of Directors passed at a meeting held on _____
2022,
Mr/Ms _____ whose
signature
appears below, has been duly authorised to sign the AGREEMENT in terms of THE
OCCUPATIONAL HEALTH AND SAFETY ACT, 1993 (ACT 85 of 1993) on behalf of

SIGNED ON BEHALF OF THE COMPANY : _____

IN HIS/HER CAPACITY AS : _____

DATE : _____

SIGNATURE OF SIGNATORY : _____

WITNESS 1 _____

NAME 1 _____
(IN CAPITALS)

C1.5 Adjudicator's Agreement

This agreement is made on the day of
.. between:

..... (name of company
organisation)

of

.....

(address)

and (name of company /

organization) of

..... (address)

(the Parties) and

..... (name)

of

..... (address)

(the Adjudicator).

Disputes or differences may arise/have arisen* between the Parties under a Contract dated

..... and known as

and these disputes or differences shall be/have been* referred to adjudication in accordance with **JBCC PRINCIPAL BUILDING AGREEMENT** (Edition 6.2 of May 2018), Clause 40, and the Adjudicator may be / has been* requested to act.

* **Delete as necessary**

IT IS NOW AGREED as follows:

1. The adjudication shall be conducted in accordance with the rights and obligations of the Adjudicator and the Parties as set out in the Procedure as per **JBCC PRINCIPAL BUILDING AGREEMENT** (Edition 6.2 of May 2018).
2. The Adjudicator hereby accepts the appointment and agrees to conduct the adjudication in accordance with the Procedure.
3. The Parties bind themselves jointly and severally to pay the Adjudicator's fees and expenses in accordance with the Procedure.
4. The Parties and the Adjudicator shall at all times maintain the confidentiality of the adjudication and shall endeavour to ensure that anyone acting on their behalf or through them will do likewise, save with the consent of the other Parties which consent shall not be unreasonably refused.
5. The Adjudicator shall inform the Parties if he intends to destroy the documents which have been sent to him in relation to the adjudication and he shall retain documents for a further period at the request of either Party.
6. The Adjudicator shall be paid at the hourly rate of R. in respect of all time spent upon, or in connection with, the adjudication including time spent travelling.

7. The Adjudicator shall be reimbursed in respect of all disbursements properly made including, but not restricted to:

- Printing, reproduction and purchase of documents, drawings, maps, records and photographs.
- Telegrams, telex, faxes, and telephone calls.
- Postage and similar delivery charges.
- Traveling, hotel expenses and other similar disbursements.
- Room charges.
- Charges for legal or technical advice obtained in accordance with the Procedure.

8. The Adjudicator shall be paid an appointment fee of R This fee shall become payable in equal amounts by each Party within 14 days of the appointment of the Adjudicator, subject to an Invoice being provided. This fee will be deducted from the final statement of any sums which shall become payable under item 6 and/or item 7. If the final statement is less than the appointment fee the balance shall be refunded to the Parties.

9. The Adjudicator is/is not* currently registered for VAT.

10. Where the Adjudicator is registered for VAT it shall be charged additionally in accordance with the rates current at the date of invoice.

11. All payments, other than the appointment fee (item 8) shall become due 7 days after receipt of invoice, thereafter interest shall be payable at 5% per annum above the Reserve Bank base rate for every day the amount remains outstanding.

SIGNED
by: _____

Name: _____
who warrants that he / she is
duly authorized to sign for and
on behalf of the first Party in the
presence of

Witness: _____

Name: _____

Address:

Date: _____

SIGNED
by: _____

Name: _____
who warrants that he / she is
duly authorized to sign for and
on behalf of the second Party in the
presence of

Witness: _____

Name: _____

Address:

Date: _____

SIGNED _____
by: _____

Name: _____
the Adjudicator in the
presence of

Witness: _____

Name: _____

Address:

Date: _____

C1.6 Waiver of contractor's lien

for use with the JBCC Principal Building Agreement
or JBCC Minor Works Agreements

DEFINITIONS

Contractor _____

Employer _____

Agreement _____
(Principal Building Agreement
Or Minor Works Agreement)

Works (description) _____

Site _____
(property / title deed
description)

AGREEMENT

The Contractor waives, in favour of the Employer, any lien or right of retention that is or may be held in respect of the Works to be executed on the Site

Thus done and signed at _____ on _____

Name of signatory Capacity of signatory

As witness _____ For and on behalf of the Contractor who by his signature
warrants authorisation hereto

C1.8 Tender administration document

**TENDER DOCUMENT
(Administrative Documents Submission)**

PLEASE NOTE: THIS DOCUMENT MUST BE COMPLETED, SIGNED AND RETURNED IN ITS ENTIRETY – NON-COMPLIANCE WILL DISQUALIFY YOUR SUBMISSION FROM CONSIDERATION. INITIAL EACH PAGE.

Please choose one of the following and complete where indicated:

- Company incorporated in terms of the Companies Laws of South Africa with registration number.....
- Close Corporation incorporated in terms of the Close Corporations Act of 1984 with registration number.....
- Trust incorporated in terms of the laws of South Africa with trust number
- Natural person and South African Citizen with identity number

TENDER NUMBER:	NWDC/SBD003/2022
CLOSING DATE:	15th November 2022
TIME:	11H00
PROPOSAL DESCRIPTION:	Appointment of a suitable service provider for the refurbishment of existing buildings at Mafikeng market

Any enquiries that may arise prior to award must be raised in writing via e-mail to: neom@nwdc.co.za using the tender number and tender description in the subject line.

IMPORTANT NOTES TO TENDERERS:
All Tender conditions must be strictly adhered to, failing which the tender submission will be declared non-responsive.

- No late tenders will be accepted under any circumstances

- Tenders must be submitted in a sealed envelope clearly reflecting the tender number and the tender description.
- In the event of a successful tender, this Tender document together with any additional contract or Service Level Agreement (SLA) where applicable must be signed and will form part of the total binding contract.
- The tender process is subject to NWDC's tender and procurement policy, a copy which will be made available to tenderers upon request.

This document must be –

- completed;
- initialed at the bottom of each page;
- signed in the spaces provided; and
- returned in its entirety.

GENERAL PROVISIONS APPLICABLE TO THE TENDER

- NWDC reserves the right to accept a tender in whole or in part.
- NWDC is not compelled to accept the tender with the lowest price.
- NWDC may accept a tender in principle, subject to further negotiations between the parties regarding the tender and the conditions of the contract to be concluded between the tenderer and the NWDC. In such case, a contract shall only come into existence when the parties have reached agreement (consensus) concerning the further negotiations and when it is reduced to writing and signed by the Tenderer and the NWDC. This will include negotiations regarding the Total Cost of Ownership, value for money or re-engineering of the contract.
- NWDC reserves the right not to award a tender.
- Neither the issue of this tender document nor any part of its contents is to be regarded as any form of irrevocable commitment on the part of the NWDC to proceed with any transaction envisaged in this tender document.
- NWDC expressly reserves the right, without giving reasons therefore, at any time and in any respect, to terminate discussions with any or all prospective tenderers, to reject any or all proposals, or to negotiate with any party with respect to any transaction envisaged in this tender document or any part thereof without advance notice and without liability for any losses, costs or expenses incurred by the tenderer.

This document consists of the following:

1. Appendix A: Information of the tenderer
2. Appendix B: Declaration by the tenderer
3. Appendix C: Declaration of interest by the tenderer
4. Appendix D: Company Details

**APPENDIX A:
INFORMATION OF THE TENDERER**

Contact information

The successful tenderer shall be obliged to nominate a representative, which designated official shall be the party with whom the NWDC shall be entitled to communicate in regard to all matters and aspects affecting this tender. The successful tenderer shall be entitled to change the identity of the designated official, from time to time, on not less than thirty days prior written notice to the NWDC.

1. Name of tenderer:	
2. Postal address of tenderer:	
3. Physical address of tenderer:	
4. Telephone number of tenderer:	
5. Fax number of tenderer:	
6. Name of designated official:	
7. Mobile phone number of official:	
8. E-mail address of designated official:	

1. Product and services

1.1. Quality control standards and performance:

NOTE: The tenderer must attach copies of quality assurance certificates, e.g. SABS certificates and ISO certificates as far as possible and list these.

1.2. The tenderer must provide detail in respect of the quality control system that functions in its enterprise:

--

- 1.3. The tenderer must provide a short history of its specific expertise and background in respect of the goods or services to which this tender applies:

--

2. Terms of delivery / payment

2.1	Delivery period:	
2.2	Settlement discount offered:	
2.3	Trade discount:	

3. Exchange rates

Where applicable, if any material is to be imported, the contractor shall carry the benefits and risks of fluctuations in exchange rate, for which it is encouraged to enter into a forward exchange contract.

4. After-sales services

The tenderer must provide full details of the after-sales service that the tenderer offers and the costs, if any, relating thereto:

--

5. Guarantees

- 5.1. The tenderer must provide details of any guarantee and guarantee period:

--

- 5.2. Is the guarantee comprehensive? If not, give details:

--

- 5.3. For what period does the tenderer guarantee to provide maintenance work, regardless whether it retains or loses the agency (where applicable)?

- 5.4. For what period does the tenderer guarantee to supply spare parts, regardless whether it retains or loses the agency (where applicable)?

6. **Repair and work and maintenance**

- 6.1. Provide details on any routine repair work and maintenance that may be necessary from time to time:

- 6.2. Provide details on any repair work and maintenance work included with the tender price:

- 6.3. Provide details on the number of periodical inspections per year, if any, with a view to minor repairs, adjustments and preventative maintenance in general. Clearly indicate whether its cost is included with the tender price. If not, give details.

7. **General**

- 7.1. Does the tenderer have trained technicians in its service for maintenance or is this work sub-contracted? Provide details:

7.2. Is the tenderer an accredited agent for the goods? Provide details:

8. Specific services included with the tender at no extra charge

8.1. The tenderer must provide details.

8.2. Additional information must be attached to the back of this document, clearly referring to the relevant point/s

**APPENDIX B:
DECLARATION BY THE TENDERER**

I / We:

the undersigned, in my/our capacity as:

(Managing director, director, etc.) of:

(Registration number)

duly authorized hereto by virtue of a resolution of:

dated:

(hereinafter referred to as “the tenderer”) do hereby state that -

- 2. the facts contained herein are within my own personal knowledge and are true and correct in all respects;
- 3. the facts contained in the tender document to which this Affidavit is Appendix A are true and accurate in every respect;
- 4. I/we fully understand the contents, provisions and conditions of the tender contained in the tender document;
- 5. no person employed by the NWDC has received or will receive any benefit in respect of or in connection with the tender;
- 6. no person employed by the NWDC has a close family relationship with the tenderer, except as explained in the Disclosure of Interest (attached as Appendix C to the tender), which has been completed, signed and submitted as part of the tender;

7. I/we offer to supply the goods and/or to provide the services and/or construction work and/or repair work, to the NWDC as specified in the tender and at the price specified in the tender in accordance with the general and specific provisions and conditions set out in the tender;
8. the prices and rates contained in the tender cover all the tenderer's obligations arising from the contract which will arise if the tender is accepted by the NWDC;
9. the tender meets all the requirements and has been completed in full and I/we have the capacity to sign the tender document on behalf of the tenderer;
10. the submission of the tender constitutes an offer to the NWDC on the tenderer's behalf for the tenderer to supply the goods, and/or provide the services, and/or construction work, and/or repair work, set out in the tender, subject to the conditions, terms and provisions in the tender documents, and the written and signed acceptance of the tender by NWDC, subject to the conditions in clause of the tender document, will constitute a contract binding upon the tenderer on said conditions, terms and provisions.
11. I/we am/are aware that –
 - in terms of the Revenue Law Amendment Act, Act 60 of 2008 published on 9 January 2009, the definition of Labour Broker in paragraph 1 of the Fourth Schedule to the Income Tax Act;
 - "Labour Broker" means any natural person who conducts or carries on any business whereby such person for reward provides a client of such business with other persons to render a service or perform work for such client, or procure such other persons for the client, for which services or work such other persons are remunerated by such person;
 - in addition to the aforementioned, the definition of "Personal Service Provider" was added to the aforesaid Fourth Schedule;
 - "Personal Service Provider" means any company or trust, where any service rendered on behalf of such company or trust to a client of such company or trust is rendered personally by any person who is a connected person in relation to such company or trust, and –
 - such person will be regarded as an employee of such client if such service was rendered by such person directly to such client, other than on behalf of such company or trust; or
 - where those duties must be performed mainly at the premises of the client, such person or such company or trust is subject to the control or supervision of such client as to the manner in which the duties are performed or are to be performed in rendering such service; or
 - where more than 80% of the income of such company or trust during the year of assessment, from services rendered, consists of or is likely to consist of amounts directly or indirectly from any one client of such company or trust, or any associated institution as defined in the Seventh Schedule of the Income Tax Act, in relation to such

client, except where such company or trust throughout the year of assessment employs three or more full time employees who are on a full time basis engaged in the business of such company or trust of rendering any such service, other than any employee who is a shareholder or member of the company or trust or is a connected person in relation to such person;

- “Employee” as defined in paragraph 1 of the Fourth Schedule to the Income Tax Act was simultaneously amended to include any personal service provider;
- paragraph 2 of the Fourth Schedule to the Income Tax Act obliges and compels every employer who employs an employee to deduct, withhold and/ pay to the South African Revenue Service (“SARS”), an amount commonly regarded as Pay As You Earn (“PAYE”), determined according to the table published by the Minister of Finance from time to time;
- paragraph 1A of the Fourth Schedule of the Income Tax Act reads as follows –
- “Notwithstanding the provisions of sub-paragraph (1), a person shall not be required to deduct or withhold employees tax in respect of any year of assessment of a company or trust solely by virtue of paragraph (c) of the definition of “Personal Service Provider” where the company or trust has in respect of such year of assessment provided that person with an affidavit or solemn declaration stating that the relevant paragraph does not apply and that person relied on that affidavit or declaration in good faith.”.

12. I declare that the tenderer does not fall within the definition of Personal Service Provider as aforesaid and therefore the may in good faith accept the contents hereof and will not be obliged to deduct or withhold any PAYE on behalf of the tenderer or any of its employees placed with the NWDC.

SIGNED AT _____ ON THIS _____

DAY OF _____ 20_____

SIGNATURE

INITIALS AND SURNAME
IN CAPITAL LETTERS

SIGNATURE

INITIALS AND SURNAME
IN CAPITAL LETTERS

APPENDIX C:

DECLARATION OF INTERESTS BY THE TENDERER

1. Required disclosure

- 1.1. The tenderer is required to make a comprehensive disclosure in relation to any potential conflict(s) of interest it may have with regard to this tender.
- 1.2. The disclosure referred to in clause 1.1 above extends to:
- all persons having an interest, directly or indirectly, in the tenderer; and
 - a positive duty to identify interests that may give rise to a conflict of interest in relation to this tender.
- 1.3. Should an employee of NWDC, who is not a disqualified person (as contemplated in clause 2 of this Appendix D) have an interest in the tenderer or should a spouse, partner or close family member of such employee have an interest in the tenderer, the tenderer shall be obliged to make a sworn or affirmed declaration that:
- there is no conflict of interest or other corporate governance concerns for the NWDC; and
 - the transparency or fairness of the bidding process is not otherwise prejudiced.

2. Tenderers disqualified from participation in this tender

- 2.1. If any of the following persons have an interest, direct or indirect beneficial or non-beneficial, in the tenderer, such tenderer will be disqualified from consideration for this tender:
- Members of the COUNCIL of the NWDC or any sub-committee of the COUNCIL;
 - Members of the NWDC management;
 - Any employee of the NWDC having any involvement whatsoever in the tender process;
 - Any employee of the NWDC having any special knowledge of the tender;

- Any advisor who provides services to the NWDC relating to this tender; and/or
- Any person/entity who has previously held any of the positions referred to in clauses 000 to 000 above within a period of twenty-four months prior to the date of submission of this tender.

2.2. The prohibition referred to in clause 2.1 above also applies to spouses, partners and close family members of the persons referred to in clauses 000 to 000 above.

3. Specific safeguards

The tenderer is required to take the following into account:

3.1. The tenderer is obliged to fully disclose and warrant the identity of all persons having interests in the tenderer and any conflicts of interest. This disclosure should be made below.

3.2. The tenderer herewith declares the following interest:

3.2.1

3.2.2

Name:	
Address:	
Contact details:	

SIGNATURE OF DECLARANT

INITIALS AND SURNAME
IN CAPITAL LETTERS

POSITION OF DECLARANT

NAME OF TENDERER
IN CAPITAL LETTERS

DATE

PLEASE NOTE: THE FOLLOWING DOCUMENTS MUST ACCOMPANY THIS SUBMISSION.

ADDITIONAL INFORMATION MUST BE ATTACHED TO THE BACK OF THIS DOCUMENT.

- Certificate of incorporation.
- Copy of Directors/Members/Owners Identity documents.
- Confirmation of Banking details as supplied by your Banker.
- Audited financial statements for at least the previous financial year.
- Letter of Good Standing issued in terms of COIDA, confirming that the tenderer is registered as an employer in terms of the Compensation for Occupational Injuries and Diseases Act, No. 130 of 1993.
- **Valid B-BBEE accreditation certificate or an affidavit**
 - (NB: ONLY B-BBEE CERTIFICATES FROM AN ACCREDITED B-BBEE VERIFICATION AGENCY or AN AFFIDAVIT WILL BE ACCEPTED.) (No preference points will be awarded if the above is not submitted however it will not render your submission as non-compliant)

Non-compliance of the below document will render your submission non- responsive.

- **Valid SARS tax clearance pin.**

Please note that even if you have previously submitted this information, you must submit the information/documents again.

1. Detailed information on the tenderer

1.1	Company Name	
1.2	Trading name:	
1.3	Web address:	
1.4	Provide details and documents of any company name changes in the past five years:	
1.5	Company Registration number:	
1.6	VAT number (where applicable):	
1.7	Date on which business commenced:	
1.8	How long have you been involved in the particular industry?	
1.9	Are you a “channel provider” or “dedicated supplier” or “preferential supplier” of any other organization? Give detail:	
1.10	Have you previously supplied goods to NWDC? If yes, provide detail.	

2. Banking details

Please include an original letter from the bank, on the bank’s letterhead, with a bank stamp, certifying the following:

- Banking institution.
- Branch.
- Branch code.
- Type of account.
- Account number.
- Name of account holder.

3. Organizational structure

(Supply full detail on a separate page if the spaces provided are insufficient.)

3.1 Directors/partners/owners/members

➤ Full names	
➤ Position in company	
➤ % ownership	
➤ Address	
➤ Landline telephone number	
➤ Mobile telephone number	
➤ E-mail address	

3.2 Principal shareholders/members

➤ Full names	
➤ Position in company	
➤ % ownership	
➤ Address	
➤ Landline telephone number	
➤ Mobile telephone number	
➤ E-mail address	

3.3 Managing director/senior partner/principal owner/senior member

➤ Full names	
➤ Position in company	
➤ % ownership	
➤ Address	
➤ Landline telephone number	
➤ Mobile telephone number	
➤ E-mail address	

3.4 Main contact person for production

➤ Full names	
➤ Landline telephone number	
➤ Mobile telephone number	
➤ E-mail address	

3.5 Main contact person for sales

➤ Full names	
➤ Landline telephone number	
➤ Mobile telephone number	
➤ E-mail address	

3.6 Main contact person for accounts

➤ Full names	
➤ Landline telephone number	
➤ Mobile telephone number	
➤ E-mail address	

3.7 Main contact person for distribution and delivery

➤ Full names	
➤ Landline telephone number	
➤ Mobile telephone number	
➤ E-mail address	

3.8 Main contact person for quality control

➤ Full names	
➤ Landline telephone number	
➤ Mobile telephone number	
➤ E-mail address	

4. Financial history

4.1 Annual turnover for the previous three years

➤ Year:	R
➤ Year:	R
➤ Year:	R

4.2	Total full-time employees:	
4.3	Total part-time employees:	
4.4	Contingent liabilities. Provide detail:	
4.5	Provide detail of any pending legal matter:	
4.6.1	Name of auditors:	
4.6.2	Contact person:	
4.6.3	Contact telephone number:	

5. List of references:

5.1 Supply a comprehensive list of at least five, on a separate sheet, of organisations to whom you supply/ have supplied similar services in the recent past or currently. Include the following information:

Company name	Contact person	Landline number	Mobile number	Description of project	Value of project	End date of project

PART C2: PRICING DATA

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C2.1 Pricing Instructions

- 1 The Bill of Quantities has been drawn up in accordance with the Model Bill of Quantities based on the Standard System of Measuring Building Work (as amended) published and issued by the Association of South African Quantity Surveyors (Seventh Edition), 2015. Where applicable the:
 - a) Civil Engineering work has been drawn up in accordance with the provisions of the latest edition of SANS 1200 Standardised Specifications for Civil Engineering Works.
 - b) Mechanical Work has been drawn up in accordance with the provisions of the Model Bill of Quantities for Mechanical Work, published by the South African Association of Quantity Surveyors (2015).
 - c) Electrical Work has been drawn up in accordance with the provisions of the Model Bill of Quantities for Electrical Work, published by the South African Association of Quantity Surveyors (2015).
- 2 The agreement is based on the JBCC Principal Agreement 6.2 Edition May 2018. The additions, deletions and alterations to the JBCC PBA 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 Bill of Quantities are recited.
- 3 It will be assumed that prices included in the Bill of Quantities, unless otherwise stated in the Scope of Work, are based on Acts, Ordinances, Regulations, By-laws, International Standards and National Standards that were published before the closing date for tenders. (Refer to www.stanza.org.za or www.iso.org for information on standards).
- 4 The drawings listed in the Scope of Works used for the setting up of this Bill of Quantities are kept by the Principal Agent and can be viewed at any time during office hours up until the completion of the works. Unless stated to the contrary, items are measured net in accordance with the Drawings without any allowance having been made for waste.
- 5 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.
- 6 Where any item is not relevant to this specific contract, such item is marked not applicable.
- 7 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 Section 1 (Preliminaries) of the Bill of Quantities .
- 8 The Bill of Quantities is not intended for the ordering of materials. Any ordering of materials, based on the Bill of Quantities, is at the Contractor's risk.
- 9 The amount of the Preliminaries to be included in each monthly payment certificate shall be assessed as an amount prorated to the value of the work duly executed in the same ratio as the preliminaries bears to the total of prices excluding any contingency sum, the amount for the Preliminaries and any amount in respect of contract price adjustment provided for in the contract.
- 10 Where the initial contract period is extended, the monthly charge shall be calculated on the basis as set out in 9 but taking into account the revised period for completing the works.

- 11 The amount or the items of the Preliminaries shall be adjusted to take account of the theoretical financial effect which changes in time or value (or both) have on this section. Such adjustments shall be based on adjustments in the following categories as recorded in the Bill of Quantities:
- a) an amount which is not to be varied, namely Fixed
 - b) "an amount which is to be varied in proportion to the contract value, namely Value Related; and"
 - c).an amount which is to be varied in proportion to the construction period as compared to the initial construction period excluding revisions to the construction period for which the contractor is not entitled to adjustment in terms of the contract, namely Time Related.
- 12 Where no provision is made in the Bill of Quantities to indicate which of the three categories in 11 apply or where no selection is made, the adjustments shall be based on the following breakdown:
- a) 10 percent is Fixed;
 - b) 15 percent is Value Related
 - c) 75 percent is Time Related
- 13 The adjustment of the Preliminaries shall apply notwithstanding the actual employment of resources in the execution of the works. The contract value used for the adjustment of the Preliminaries shall exclude any contingency sum, the amount for the Preliminaries and any amount in respect of contract price adjustment provided for in the contract. Adjustments in respect of any staged or sectional completion shall be prorated to the value of each section.
- 14 The units of measurement indicated in the Bill of Quantities are metric units. The following abbreviations may appear in the Bill of Quantities:

mm = millimetre
m = metre
km = kilometre
km-pass= kilometre-pass
m² = square metre
m²-pass= square metre-pass
ha = hectare
m³ = cubic metre
m³-km= cubic metre-kilometre
kW = kilowatt
kN = kilonewton
kg = kilogram
t = ton (1 000 kg)
% = per cent
MN = meganewton
MN-m= meganewton-metre
PC Sum= Prime Cost Sum
Prov Sum= Provisional Sum

C2.2 Bills of Quantities

FAILURE TO PROVIDE RATES/ SUMS FOR ALL ITEMS IN THE BILL OF QUANTITIES WILL RESULT IN DISQUALIFICATION OF BID

PART C3: SCOPE OF WORK

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Status

In the event of any discrepancy between the Scope of Works and a part or parts of the SANS 1200 Standardized Specifications, the Bill of Quantities or the Drawings, the Project Specifications shall take precedence and prevail in the Contract.

C3.1 Description of the works

C3.1.1 Overview of the works

The appointment of a suitable service provider for the refurbishment of existing building at mahikeng market

C3.1.3 Extent of work

The works consists of the following:

- (a) Alterations
- (b) Internal plumbing
- (c) Tiling
- (d) Brick walls
- (e) Carports
- (f) Finishes
- (g) Electrical Services
- (h) Roads and Paving

This description of the Works is not necessarily complete and shall not limit the work to be carried out by the Contractor under this Contract.

The drawings included at the back of this document define the scope of this contract and indicate all work to be done. They may be supplemented by additional drawings to supply information regarding details of construction and exact lines, levels and depths.

The contractor is to co-ordinate all his operations and activities with the employer and other contractors working on the site, shall make timeous arrangements with the employer and other contractors to supply and position material and items to be built in or permanently covered up and shall afford the Employer and other contractors full access to the site and their work in progress at all reasonable times to enable them to complete their work before the completion date of this contract.

The Contractor shall take due care not to damage any of the work done by the Employer or other contractors and any such damage shall be repaired at his cost.

The contractor shall co-ordinate the cutting into and connecting of services to existing services with the Local Authority and obtain their prior approval for any work to be done in this regard.

Approximate quantities of each type of work are given in the Provisional Bills of Quantities.

C3.1.4 Location of the works

Works will be executed in an approved stand/erf/portion of a township as described in the title deed and delimited in the surveyor general diagram. No building work or foundations to violate servitudes if any on site. All building structures to be erected not beyond the building line restrictions.

C3.1.5 Temporary works

Temporary works to be in accordance with the site requirements for the contractor's establishment camp with temporary sewer, water and electrical connections. All in accordance with the approval from the Local Authorities.

C3.2 Engineering

C3.2.1 Design

Works designed by, per design stage:

Concept, feasibility and overall process	Employer
Basic engineering and detail layouts to bid stage	Employer
Final design to be approved for construction stage	Employer
Temporary works	Contractor
Preparation of as-built drawings	Employer

- (a) The Employer is responsible for the design of the permanent Works as reflected in the Contract Documents unless otherwise stated.
- (b) The Contractor is responsible for the design of the temporary Works and their compatibility with the permanent Works.
- (c) The Contractor shall supply all details necessary to assist the Employer's Agent in the compilation of the as-built drawings.

C3.2.2 Design

- (a) The Employer is responsible for the design of the permanent Works as reflected in the Contract Documents unless otherwise stated.
- (b) The Contractor is responsible for the design of the temporary Works, inclusive of concrete mixes, formwork and trench shoring, and their compatibility with the permanent Works.
- (c) The Contractor shall supply all details necessary to assist the Principal Agent in the compilation of the as-built drawings.

C3.2.3 Contractor's Design

The Contractor shall be responsible for the design of pipe specials as defined in Particular Specification and shall submit shop drawings for approval by the Principal Agent.

The Contractor shall also be responsible for the design of the temporary Works as defined in C3.2.1(b).

Where the Contractor is to supply the design of designated parts of the permanent Works or temporary Works, he shall supply full working drawings supported by a professional engineer's design certificate.

C3.2.4 Drawings

The Contractor shall use only the dimensions stated in figures on the Drawings in setting out the Works, and dimensions shall not be scaled from the Drawings, unless required by the Employer's Agent. The Employer's Agent will, on the request of the Contractor in accordance with the provisions of the Conditions of Contract, provide such dimensions as may have been omitted from the Drawings.

The Contractor shall ensure that accurate as-built records are kept of all infrastructure installed or relocated during the contract. The position of pipe bends, junction boxes, duct ends and all other underground infrastructure shall be given by either co-ordinates, or stake value and offset. Where necessary, levels shall also be given. A marked-up set of drawings shall also be kept and updated by the Contractor. This information shall be supplied to the Employer's Agent's Representative on a regular basis.

All information in possession of the Contractor, required by the Employer's Agent and/or the Employer's Agent's Representative to complete the as-built/record drawings, must be submitted to the Employer's Agent's Representative before a Certificate of Completion will be issued.

The Drawings prepared by the Employer for the permanent Works are listed and bound in a separate volume. The Employer reserves the right to issue amended and/or additional drawings during the Contract.

Status of documentation:

Should there be any discrepancy between the various documentation that governs this Tender (whether issued or not), the order of precedence shall be:

1. The drawings issued for construction purposes,
2. The Schedule of Quantities,
3. The specific specifications, i.e. the variations to the standard specifications,
4. This Project Specification, and lastly
5. The standard specifications referred to.

C3.2.5 List Of Drawings

Dwg No.	Rev	Drawing Description
MFC-S-002	00	Sanitary Schedule
MFC-CD-001	00	Typical Block C & D: floor plan, section, elevations, schedules
MFC-G-001	00	Guard & Toilet: floor plan, section, elevations, schedules
MFC-A- 001	00	Block A: floor plan, section, elevations, Schedules
MFC-B-001	00	Block B: floor plan, section, elevations, schedules
MFC-S-001	00	Site Plan

C3.3 Procurement

C3.3.1 Preferential procurement

C3.3.1.1 Requirements

The contract is for CIDB registered **4GB PE** or **5GB or Higher** Contractors. Acceptable bids will be evaluated by using a system that awards points on the basis of 80 points for bid price and 20 points for the B-BBEE rating.

C3.3.1.2 Resource standard pertaining to targeted procurement

Not applicable for this contract.

C3.3.2 Subcontracting

C3.3.2.1 Scope of mandatory subcontract works

The Contractor shall sub-let to local sub-contractor's appropriate portions of the works that are designated in Clause C3.3.1.1 as being reserved for labour intensive construction methods.

C3.3.2.2 Preferred subcontractors/suppliers

The Contractor shall be responsible for all work carried out by subcontractors on his behalf. The Employer's Agent will not liaise directly with any such sub-contractor, nor will he become involved in any problems and/or disputes related to payments, programming, workmanship, etc, unless provided for in the Conditions of Contract. Such problems and/or disputes shall remain the sole concern of the Contractor and his subcontractors.

C3.3.2.3 Subcontracting procedures

As per JBCC N/S Subcontract.

C3.3.2.4 Attendance on subcontractors

As per JBCC N/S Subcontract.

C3.4 Construction

3.4.1 Works specification

The works specifications that are applicable to the works are marked with a cross hereunder in the relevant box(es). The specifications are obtainable on request from the Employer.

Architectural, Structural and Civil	
General Specification for Material and Methods to be used for Building Contracts	X
SANS 1200 Standard Documentation	X
Electrical	
Standard quality specifications for Intercom Systems	X
Standard quality specifications for Public Address Systems	X
Standard quality specifications for Access Control Systems	X
Standard quality specifications for Intruder Alarm Systems	X
Standard quality specifications for Fire Detection Systems	X
Standard quality specifications for Standby Generators	X
Standard quality specifications for UPS Systems	X
Standard quality specifications for Solar Power Systems	X
Standard quality specifications for General Installations	X
Standard quality specifications for Material and Equipment	X
Mechanical	
Standard quality specifications for Heating Installations	
Standard quality specifications for Steam and Condensate Reticulation	
Standard quality specifications for Medical Gas and Vacuum Systems	
Standard quality specifications for Air Conditioning Installations	
Standard quality specifications for Refrigeration Services	

C3.4.1.1 Applicable standards

The contractor shall ensure that all building regulations and standards are applied.

Applicable SANS 2001 standards - The Contractor shall ensure that a master installation electrician is required to oversee and certify any electrical work to the works - refer SANS 101412 - 1.

Applicable SANS 1200 standardised specification - The Contractor shall ensure that all Civil and

Structural construction works are according to the specification of the applicable SANS 1200 specific.

The term "project specification" must be replaced by "scope of works" wherever it appears in these standardized specifications.

C3.4.1.2 Particular specifications

The following Particular Specifications for work not covered by the SABS 1200 Standardized Specifications are also included hereunder:

- a. **Architects specification.**
- b. **Civil Engineer specification.**
- c. **Electrical Engineer specification .**
- d. **Mechanical Engineer specification.**
- e. **Fire Specialist specification.**
- f. **Health and Safety specification .**

C3.4.1.3 Variations and additions to the SABS 1200 standardized specifications

Variations and additions to the following SABS 1200 Standardized Specifications listed in C3.4.1 are given in section C3.4.6.

C3.4.2 Site establishment

C3.4.2.1 Services and facilities provided by the employer

(a) Water sources

There is reticulated water supply available in close proximity to the Site.

The Contractor shall, in accordance with the provisions of subclause C3.4.2.2(b), and at his own cost, make all arrangements necessary for the supply and distribution of water required for construction purposes as well as for use in and about his site establishment and for human consumption.

(b) Electricity supply

There is reticulated electrical power supply available in close proximity to the Site.

The Contractor shall, in accordance with the provisions of subclause C3.4.2.2(c), and at his own cost, make all arrangements necessary for the supply and distribution of electrical power required for construction purposes as well as for use in and about his site establishment.

The Contractor shall comply with all prevailing legislation in respect of the generation and distribution of electricity and shall, when required by the Principal Agent, produce proof of such compliance.

(c) Excrement disposal

No water-borne sewage or other off-site excrement disposal systems are available in the vicinity of the Site.

(d) Area for contractor's site establishment

A specific area in close proximity to or on the Site of the Works will be made available by the Employer to the Contractor for the Contractor's site establishment. The specific area for the Contractor's site establishment will be identified to the Contractor by the Principal Agent and the Contractor shall have sole use of such area, free of charge, for the duration of the Contract. The Contractor shall use this area only for the purposes of erecting his site offices, workshops, stores and other facilities required for the execution of the Contract. The Contractor shall not use the area nor allow it to be used for any purposes not directly associated with the execution of the Contract.

The Contractor shall be responsible for arranging, at his own cost, for the provision of all services he may require in the area, as well as elsewhere on the Site.

Should the Contractor deem the area made available by the Employer to be inadequate or unsuitable for the Contractor's particular needs, then the Contractor shall be at liberty to make his own arrangements with the owners of other sites which he considers are better suited to his needs; provided always that the use by the Contractor of any area other than that made available to him by the Employer shall be subject to the prior written approval of the Principal Agent, which approval shall not be unreasonably withheld; and provided further that the Contractor shall have no claim against the Employer in respect of any costs incurred by him, either directly or indirectly in consequence of utilising any area other than that made available to him by the Employer, and which costs exceed those costs allowed for by the Contractor in his Bid.

C3.4.2.2 Contractor's camp site and depot *(Read with SANS 1921 - 1 : 2004 clause 4.14)*

The Contractor's office for this contract shall be as required to fulfil his obligations under the Contract. The Contractor is responsible to provide a suitable site for his camp and to provide accommodation for his personnel and labourers. If the Employer can make any specific site available to the Contractor, such site will be pointed out to the Contractor.

(a) Contractor's camp site/store yard .

The contractor may erect his site offices and storage depot within the boundaries of the

area indicated by the Principal Agent. The contractor shall submit a general layout drawing to a scale of not less than 1:200 to the Principal Agent for approval before any work on the camp or offices is commenced. No housing is available and the Contractor shall make his own arrangements to house his employees and transport them to and from the site. The Contractor shall use this area only for the purposes of erecting his site offices, workshops, stores and other facilities required for the execution of the Contract. The Contractor shall not use the area nor allow it to be used for any purposes not directly associated with the execution of the Contract. The Contractor shall be responsible for arranging, at his own cost, for the provision of all services he may require in the area, as well as elsewhere on the Site. Should the Contractor deem the area made available by the Employer to be inadequate or unsuitable for the Contractor's particular needs, then the Contractor shall be at liberty to make his own arrangements with the owners of other sites which he considers are better suited to his needs; provided always that the use by the Contractor of any area other than that made available to him by the Employer shall be subject to the prior written permission of the landowner and approval of the Principal Agent, which approval shall not be unreasonably withheld; and provided further that the Contractor shall have no claim against the Employer in respect of any costs incurred by him, either directly or indirectly in consequence of utilising any area other than that made available to him by the Employer, and which costs exceed those costs allowed for by the Contractor in his Tender. All buildings erected must be to the size as approved by the Principal Agent. The parking of plant is restricted to these areas.

Any clearing of the site that is necessary and the making good after de-establishment will be the responsibility of the Contractor.

In addition to the requirements of SABS 1200A clause 8.3.2.2, the following conditions shall also apply:

- (i) None of the existing roads shall be damaged in any way.
- (ii) The Contractor is to make his own arrangements for a water supply to the works and pay all installation and consumption charges levied by the Local Authority.
- (iii) The Contractor is to make his own arrangements for electrical power. Site office and lighting is available from the on-site DB and the Contractor is responsible for installation and consumption charges levied by the Local Authority.
- (iv) It shall be the responsibility of the Contractor to make good any damage caused to the camp site area or any improvements on it, including services, and for reinstating it to its former condition when vacated. The standard of reinstatement must be to the satisfaction of the Principal Agent.
- (v) The Contractor shall be responsible for providing adequate storage, collection and disposal of refuse, all in a sanitary manner.
- (vi) The Contractor shall construct a sealed bund wall around their diesel tanks. The bund wall shall be of such capacity that the contents of the tanks shall be contained within the bund wall in the event of an accident. The inside of the bund wall shall be painted with a bituminous sealant and the entire system must be constructed to the Principal Agent's satisfaction.

- (vii) The Contractor shall provide a suitably screened off shower area within his campsite.

- (b) The Contractor must note that other Contractors, Subcontractors and specialised Subcontractors, including those who will construct specifically the geomembrane liner, will be working on or adjacent to the site of the Works during the currency of the Contract.

C3.4.2.3 Facilities provided by the contractor

(a) Facilities for the Principal Agent

The Contractor shall provide on the Site, for the duration of the Contract and for the exclusive use of the Principal Agent and/or his Representative (as applicable), the various facilities described hereunder. All such facilities shall be provided promptly on the commencement of the Contract and failure on the part of the Contractor to provide any facility required in terms of this specification shall constitute grounds for the Principal Agent to withhold payment of the Contractor's bidded Preliminary and General items until the facility has been provided or restored as the case may be. All water and electricity usage to be metered.

(i) Office accommodation.

The Contractor shall provide on the Site 1 x office for the exclusive use of the Principal Agent. Such office(s) shall comply with and be furnished in accordance with the requirements of subclause PSAB3.2 of SABS 1200 AB. The Contractor shall maintain the office(s) in accordance with the requirements of subclause 5.2 of SABS 1200 AB. Such office accommodation shall be provided within the Contractor's site establishment facilities.

Such office accommodation shall be provided within the Contractor's site establishment facilities.

(ii) Carports.

The Contractor shall provide on Site 2 x carports for the exclusive use of the Principal Agent, in accordance with the requirements of subclause PSAB 3.2.

(iii) Site meeting venue .

The Contractor shall provide within his own site establishment facilities, a suitably furnished office or other venue capable of comfortably accommodating a minimum of **twenty** (20) persons at site meetings. The Principal Agent shall be allowed free use of such venue for conducting any other meetings concerning the Contract at all reasonable times.

(iv) Notice Board.

The typical notice board with the following requirements shall apply with regards to the notice board:

a) The wording in the space for “Name of Contract” shall be provided by the employer to the contractor before construction commences.

i) The word to follow “Designed” shall be:

“Details of the Principal Agent will be provided on Appointment”

(v) Survey equipment and assistant.

- Survey equipment

The Contractor shall, in accordance with the requirements of SABS 1200 AB (as amended) provide the following survey equipment for the exclusive use of the Principal Agent and his staff:

- 1 upright reading automatic level with tripod;
- 1 levelling staff with protective cover bag;
- 1 x 100 metre Stilton tape measure and measuring wheel;

- Survey assistants

The Contractor shall, in accordance with the requirements of subclause 5.5 of SABS 1200 AB, make available to the Principal Agent, two (2) survey assistants. Where required by the Principal Agent, the Contractor shall at his own cost, promptly arrange for the recalibration of survey equipment provided.

(vi) Telephone facilities

The Contractor will be required to supply the Resident Principal Agent with a reliable internet, Wi-Fi or LTE for the duration of the Contract. The Contractor shall be responsible for the cost of all calls, installation, rental, supplies, maintenance, etc.

The Contractor will not be required to supply the Principal Agent with any mobile device phone but the Contractor will be required to pay for all calls made from his phone pertaining this Project up to a maximum amount of R200.00 per month as soon as the contract has commenced.

(vii) Computer facilities

The Contractor shall provide the following computer facilities together with the specified software installed, for the exclusive use of the Principal Agent and his staff, in accordance with the requirements of SABS 1200 AB (as amended):

- 1 colour printer.

Printers shall, unless otherwise approved by the Principal Agent, be an A3 colour printer or equivalent compatible.

All computer hardware shall be provided complete with the requisite connecting cables and all interfacing devices and software necessary for its efficient operation as an integral system.

The Contractor shall further provide at his own cost, all paper and ink cartridges and other consumables reasonably required by the Principal Agent.

(viii) Electricity supply for the Principal Agent

All electricity supply to the Principal Agent's office(s) and laboratory (if applicable), whether provided by the Contractor by way of a reticulated supply from a local authority or other authorised electricity supply, or by way of on-site generators, shall be regulated by the Contractor to within limits such as to prevent damage due to fluctuations in the electrical current supply that may occur to any electrical plant and equipment provided by the Contractor or the Principal Agent.

The Contractor shall be liable for and pay to the Principal Agent on demand, all costs that the Principal Agent may incur in the repair or replacement of any electrical equipment provided by the Principal Agent on the Site. Reliance by the Contractor on the regulation of the electrical supply by the supplier or on current regulators fitted to generators shall not absolve the Contractor of his liabilities in terms of this Subclause and, where appropriate, the Contractor shall provide and install at his own cost, all such electrical current-regulating equipment as is necessary to prevent damage to the said equipment.

(ix) Site instruction book

The Contractor shall supply a triplicate book for site correspondence and inspection requests to the Principal Agent. Reasonable notice shall be allowed prior to inspections. All inspections requests and approval/disapproval thereof shall be recorded by the Site staff in writing. All requests must be signed and dated by the Principal Agent before implementation.

The Contractor must ensure that a suitable site quality record system is put in place subject to approval by the Principal Agent to record that each section, or work item, complies with the relative works specification. Failure to update or provide sufficient records may result of a 10% interim payment reduction being withheld.

(a) Accommodation of Employees

No employees except for security guards will be allowed to sleep or be accommodated on the site. No housing is available for the Contractor's employees and the Contractor shall make his own arrangements to house his employees and to transport them to site.

No informal housing or squatting will be allowed.

The Contractor shall provide the necessary ablution facilities at his camp site and the site of the works for the use of his employees. Chemical toilets only will be allowed where temporary facilities have to be provided.

(b) Accommodation of Other Contractors

The Contractor shall be required to accommodate other contractors on the Site of the Works during the Contract period. Adequate access to the site of their works shall be given the above stated contractors at all times.

No direct payment will be made for the cost of providing adequate access and accommodating the stated contractors on the Site of the Works, as well as the cost of any inconvenience or disruption experienced in attending to the aforementioned. Payment shall be deemed to be covered by the rates and sums tendered and paid for the various items of work included under the Contract.

(c) Water

The Contractor shall, at his own expense, be responsible for obtaining and providing all water as may be required for the purposes of executing the Contract, including water for both construction purposes and domestic use, as well as for making all arrangements in connection therewith. The Contractor shall further, at his own expense, be responsible for providing all necessaries for procuring, storing, transporting and applying water required for the execution of the Contract, including but not limited to all piping, valves, tanks, pumps, meters and other plant and equipment, as well as for all work and superintendence associated therewith.

The sources of all water utilised for the purposes of the Contract shall be subject to the prior approval of the Principal Agent, which approval shall not be unreasonably withheld.

The Contractor shall comply with all prevailing legislation in respect of drawing water from natural and other sources and shall, when required by the Principal Agent, produce proof of such compliance. The distribution of water shall be carried out by the Contractor strictly in accordance with the applicable laws and regulations.

All water provided by the Contractor for construction purposes shall be clean, free from undesirable concentrations of deleterious salts and other materials and shall comply with any further relevant specifications of the Contract. The Contractor shall, whenever

reasonably required by the Principal Agent, produce test results demonstrating such compliance. Water provided by the Contractor for human consumption shall be healthy and potable to the satisfaction of the health authorities in the area of the Site.

No separate payment will be made to the Contractor for the obtainment, providing and consumption of water, the costs of which will be deemed to be included in the Contractor's bidded rates.

(d) Electricity

The Contractor shall, at his own expense, be responsible for obtaining and providing all electricity as he may require for the purposes of executing the Contract, including electricity for both construction purposes and domestic use as well as for making all arrangements in connection therewith.

The distribution of electricity shall be carried out by the Contractor strictly in accordance with the applicable laws and regulations.

No separate payment will be made to the Contractor for the obtainment, providing and consumption of electricity, the costs of which will be deemed to be in the Contractor's bidded rates and prices.

(f) Excrement disposal

The Contractor shall, at his own expense, be responsible for safely and hygienically dealing with and disposing of all human excrement and similar matter generated on the Site during the course of the Contract, to the satisfaction of the responsible health authorities in the area of the Site and the Principal Agent. All such excrement shall be removed from the Site and shall not be disposed of by the Contractor on the Site.

The Contractor shall further comply with any other requirements in this regard as may be stated in the Contract.

No separate payment will be made to the Contractor in respect of discharging his obligations in terms of this subclause and the costs thereof shall be deemed to be included within the Contractor's bidded Preliminary and General items.

C3.4.2.4 Permits and wayleaves

The Contractor shall be responsible to obtain all the wayleave required under this Contract. The cost of obtaining wayleaves shall be deemed included in the relevant rates, and no additional payment will be made for the wayleaves as required.

C3.4.2.5 Features requiring special attention

(a) Site maintenance

During progress of the work and upon completion thereof, the Site of the Works shall be kept and left in a clean and orderly condition. The Contractor shall store materials and

equipment for which he is responsible in an orderly manner, and shall keep the Site free from debris and obstructions.

(b) Tidying Up of works

The Contractor shall take note that progressive and systematic finishing and tidying will form an essential part of this contract. On no account shall spoil, rubble, materials, equipment or unfinished operations be allowed to accumulate in such a manner as to unnecessarily be a hindrance to or impede the activities of other contractors or service providers. In the event of this occurring, the Employer shall have the right to withhold payment for as long as may be necessary in respect of the relevant works in the area(s) concerned. Upon completion of the Works or any portion thereof, the ground, fences, gates and any structures that have been interfered with are to be carefully restored to their original condition and all rubbish, tools, tackle, plant and material must be removed so as to leave the site in a clean and orderly condition. No additional payment shall be made for work set out above.

(c) Quality Assurance (QA), Quality Control and Quality Plan

(Read with SANS 1921 – 1: 2004 clause 4.4)

The Onus to produce work that conforms in quality and accuracy of detail to the requirements of the Specifications to the satisfaction of the Principal Agent and Drawings rests with the Contractor, and the Contractor shall at his own expense, institute an appropriate Quality Assurance (QA) and quality control system on site provide experienced Principal Agent's, foremen, surveyors, materials technicians, other technicians and technical staff, together with all transport, instruments and equipment to ensure adequate supervision and positive control of his own workmanship quality in accordance with his QA-system at all times. His attention is drawn to the fact that it is not the duty of the Principal Agent or the Principal Agent's representative to act as foreman or surveyor.

The cost of supervision and process control, including testing carried out by the Contractor, will be deemed to be included in the rates tendered for the related items of work.

Within one week of the award of the Contract the Contractor shall furnish the Principal Agent with a comprehensive Quality Assurance (QA) and Quality Plan that incorporates all the requirements of the document comprising the contract, for his own quality management as well as describing the quality control process that will provide for regular inspection and signing off of work by the Principal Agent.

The Project Quality Plan Shall be subject to the Principal Agent's approval.

The Principal Agent will audit the Contractor's quality assurance (QA) system on a regular basis to verify that adequate independent checks and tests are being carried out and to ensure that the Contractor's own control is sufficient to identify any possible quality problems which could cause a delay or failure.

The Contractor's Quality Assurance (QA) and Project Quality Plan for the Contract shall indicate how the Contractor's Quality System shall apply to the specific

requirements of the contract. It shall clearly indicate by way of written method statements; descriptions; quality management objectives; policies; schedules; flow diagrams; Product/Process Inspection & Test Plans (ITP); procedures and work instructions that demonstrate the Contractor's implementation of the requirements.

On completion and submission of every part of the work to the Principal Agent for examination and measurement, the Contractor shall furnish the Principal Agent with the results of the relevant tests, measurements and levels to demonstrate the achievement of compliance with the Specifications.

This will particularly apply to aspects of the works that will be covered such as checking of the storm water drain gradients, compaction of material, checking of reinforcement, vibrating of the concrete and other embodied items before placing of concrete.

(d) Testing (*Read with SANS 1921 – 1: 2004 clause 4.11*)

(i) Process control

The Contractor shall arrange for all tests required for process control to be done by a laboratory acceptable to and approved by the Principal Agent.

The Contractor may establish his own laboratory on site or he may employ the services of an independent commercial laboratory. Whatever method is used, the Contractor must submit the results of tests carried out on materials and workmanship when submitting work for acceptance by the Principal Agent. The costs for these tests shall be deemed to be included in the relevant rates and no additional payment will be made for testing as required.

The tendered rate for all earthworks, layerworks, concrete works, paving, asphalt and liner works shall cover the cost of site process control testing to ensure the standards specified are met, as well as the provision of all staff and equipment.

(ii) Acceptance control

The process control test results submitted by the Contractor for approval of materials and workmanship may be used by the Principal Agent for acceptance control. However, before accepting any work, the Principal Agent may have further control tests carried out by a laboratory of his choice. The cost of such additional tests will be covered by a provisional sum provided in the Bill of quantities, but tests that failed to confirm compliance with the specifications, will be for the account of the Contractor.

(iii) Additional testing required by the Principal Agent

In addition to the provisions of subclause C3.4.2.5(d)(i): Contractor to engage services of an independent laboratory, the Principal Agent shall be entitled at times during the Contract to require that the Contractor arrange with the independent laboratory to carry out any such tests, additional to those described in

subclause C3.4.2.5(d)(i), at such times and at such locations in the Works as the Principal Agent shall prescribe. The Contractor shall promptly and without delay arrange with the independent laboratory for carrying out all such additional testing as required by the Principal Agent, and copies of the test results shall be promptly submitted to the Principal Agent.

(iv) Costs of testing

(a) Tests in terms of subclause C3.4.2.5(d)(i)

The costs of all testing carried out by the independent laboratory in accordance with the requirements of subclause C3.4.2.5(d)(i), above shall be borne by the Contractor and shall be deemed to be included in the bidded rates and prices for the respective items of work as listed in the Schedule of Quantities and which require testing in terms of the Specifications. No separate payments will be made by the Employer to the Contractor in respect of any testing carried out in terms of subclause C3.4.2.5(d)(i).

Where, as a result of the consistency of the materials varying or as a result of failure to meet the required specifications for the work, it becomes necessary to carry out additional tests (e.g. re-tests on rectified work and/or replacement materials), the costs of such additional testing shall be for the Contractor's account.

(e) Management and disposal of water

(Read with SANS 1921 - 1: 2004 clause 4.6)

The Contractor shall pay special attention to the management and disposal of water and stormwater on the site. It is essential that all completed works or parts thereof are kept dry and properly drained. Claims for delay and for repair of damage caused to the works as a result of the Contractor's failure to properly manage rain and surface water will not be considered.

The contractor shall be responsible for the handling of all surface and sub surface water in such a way that the construction can proceed with minimum risk and at no time shall overland flows be blocked.

If concentrated flows are blocked a method statement should be provided, and is subject to approval by the Principal Agent.

The Contractor shall to this end divert flow around the working areas if and where necessary. The Contractor shall also take particular care to ensure the safety of the works against damage by water.

The current drains are operational and are conveying water through them.

The contractor shall apply suitable, effective dewatering methods for preventing ingress of water into the excavations and to keep them dry.

Drainage measures, with exception of pumping shall be maintained until the backfilling and concreting of the drains has been completed between the various construction stages.

Any draining and or pumping of water shall be done in a manner that will protect the concrete drain or materials in any part thereof from being carried away.

No Separate payment

Tender rates should also include full compensation for trimming the open drains.

The cost of supplying and operating for dewatering and operating the equipment for dewatering of all excavations, existing stormwater drains and controlling concentrated and surface flow and sub surface water on all works will be held to be included in the tendered sum under section PSDM 8.3.4 and 8.3.7 of this document.

(f) Survey beacons *(Read with SANS 1921 - 1: 2004 clause 4.15)*

The Contractor shall be responsible for the preservation of all land survey, erf or other pegs, benchmarks and beacons. If damage or disturbance of any such pegs or beacons is caused by the operations of the Contractor or his subcontractors the pegs are to be replaced by a Registered Land Surveyor at the cost of the Contractor. Benchmarks will be replaced by the Principal Agent at the Contractor's expense.

Information regarding the position of all such pegs will be made available to the Contractor by the Engineer on request.

The Contractor is to ensure that no spoil is placed over an erf peg or benchmarks and that these are adequately protected for the full duration of the Contract. Where disturbances of boundary pegs is unavoidable due to excavation or other operations adjacent to the pegs, the Contractor shall advise the Principal Agent or his Representative immediately, and agreement is to be reached that the disturbance of the peg is unavoidable and a strict record of such disturbed pegs is to be kept. Such pegs are to be replaced by a Registered Land Surveyor as described above and the Contractor is to submit proof of the cost of replacement of pegs. The Contractor will be reimbursed on a basis pro-rata to the total cost of peg replacement determined on completion of the Works.

(g) Existing Services *(Read with SANS 1921 - 1: 2004 clause 4.17)*

The Contractor shall make himself acquainted with the position of all existing services before any excavation or other work likely to affect the existing services is commenced.

The Contractor will be held responsible for any damage to known existing services caused by or arising out of his operations and any damage shall be made good at his own expense. Damage to unknown services shall be repaired as soon as possible and liability shall be determined on site when such damage should occur.

The Contractor will comply with the conditions for dealing with existing services as attached in C3.3, *Particular Specifications* and approach the relevant authorities for additional information where applicable.

(h) Existing Services (*Read with SANS 1921 - 1: 2004 clause 4.19*)

The Contractor shall pay special attention to the following:

(i) Natural Vegetation

The Contractor shall confine his operation to as small an area of the site as may be practical for the purpose of constructing the works.

Only those trees and shrubs directly affected by the works and such others as the Principal Agent may direct in writing shall be cut down and stumped. The natural vegetation, grassing and other plants shall not be disturbed other than in areas where it is essential for the execution of the work or where directed by the Principal Agent.

(ii) Fires

The Contractor shall comply with the statutory and local fire regulations. He shall also take all necessary precautions to prevent any fires. In the event of fire the Contractor shall take active steps to limit and extinguish the fire and shall accept full responsibility for damages and claims resulting from such fires which may have been caused by him or his employees.

(i) Overhaul

No payment whatsoever will be made for overhaul on this contract whether from commercial sources or off site or within the site environs. No mass hauled diagrams will be produced.

(j) Security

The Contractor shall provide security watchmen for the contract as he deems fit at no extra cost for the Employer. The Contractor must ensure that all his employees as well as the employees of his subcontractors are able to identify themselves as members of the *construction team*.

(k) Subcontractors

All matters pertaining to subcontractors (including Nominated Subcontractors) and the work executed by them shall be dealt with directly between the Principal Agent and the Contractor in the context of all subcontract work being an integral part of the Works for which the Contractor is responsible.

The Principal Agent will not liaise directly with any subcontractors nor will he issue instructions concerning the subcontract works directly to any subcontractor.

All matters arising from the subcontract agreements shall be dealt with directly between the Contractor and the subcontractors and the Principal Agent will not become involved.

(l) Access to properties

The Contractor shall organise the work to cause the least possible inconvenience to the public and to the property owners adjacent to or affected by the work, and except as hereunder provided, shall at all times provide and allow pedestrian and vehicular access to properties within or adjoining or affected by the area in which he is working. In this respect the Contractor's attention is drawn to Clause 17.1 of the Conditions of Contract.

If, as a result of restricted road reserve widths and the nature of the work, the construction of bypasses is not feasible, construction shall be carried out under traffic conditions to provide access to erven and properties.

Notwithstanding a foregoing, the Contractor may, with the prior approval of the Principal Agent (which approval shall not be unreasonably withheld), make arrangements with and obtain the acceptance of the occupiers of erven and properties to close off part of a street, road, footpath or entrance temporarily, provided that the Contractor duly notifies the occupiers of the intended closure and its probable duration, and reopens the route as punctually as possible. Where possible, such streets, roads, footpaths and entrances shall be made safe and reopened to traffic overnight. Such closure shall not absolve the Contractor from his obligations under the Contract to provide access at all times. Barricades, traffic signs, drums and other safety measures appropriate to the circumstances shall be provided by the Contractor to suit the specific conditions.

(m) Site Diary

A site diary in triplicate format, which shall be supplied by the contractor must be filled in on a daily basis and submitted to the Principal Agent on a daily basis. No claims will be considered without the site diary's schedules properly completed and submitted.

(n) Labour-intensive competencies of supervisory and management staff

Contractor having a CIDB contractor grading designation of 8GB and higher shall only engage supervisory and management staff in labour intensive works who have either completed, or for the period 1 April 2004 to 30 June 2006, are registered for training towards, the skills programme outlined in Table 1.

The managing principal of the contractor, namely, a sole proprietor, the senior partner, the managing director or managing member of a close corporation, as relevant, having a contractor grading designation of 1CE, 2CE, 3CE and 4CE shall have personally completed, or for the period 1 April 2004 to 30 June 2006 be registered on a skills programme for the NQF level 2. All other site supervisory staff in the employ of such contractors must have completed, or for the period 1 April 2004 to 30 June 2006 be registered on a skills programme, for the NQF level 2-unit standards or NQF level 4 unit standards.

(o) Employment of unskilled and semi-skilled workers in labour-intensive works

- (i) Requirements for the sourcing and engagement of labour
 - (1) Unskilled and semi-skilled labour required for the execution of all labour-intensive works shall be engaged strictly in accordance with prevailing legislation and SANS 1914-5, Participation of Targeted Labour.
 - (2) The rate of pay set for the SPWP is R 160 (unskilled); R180.00 (semi-skilled) and R200.00 (skilled with qualification) per day, Task rates to be determined at a later stage.

Note to Compiler: Insert value determined by public body in accordance with clause 2.2 of the Guidelines for the Implementation of Labour-Intensive Infrastructure Projects under the Expanded Public Works Programme (EPWP), which is repeated here for ease of use.

"In accordance with the Code of Good Practice for Employment and Conditions of Work for Special Public Works Programmes (clause 10.4), the public body must set a rate of pay (task-rate) for workers to be employed on the labour-intensive projects.

Clause 10.4 requires that the following should be considered when setting rates of pay for workers:

- 10.4.1 *The rate set should take into account wages paid for comparable unskilled work in the local area per sector, if necessary.*
- 10.4.2 *The rate should be an appropriate wage to offer an incentive for work, to reward effort provided and to ensure a reasonable quality of work. It should not be more than the average local rate to ensure people are not recruited away from other employment and jobs with longer-term prospects.*
- 10.4.3 *Men, women, youth, disabled persons and the aged must receive the same pay for work of equal value."*
 - (3) Tasks established by the contractor must be such that:
 - (aa) the average worker completes 5 tasks per week in 40 hours or less; and
 - (bb) the weakest worker completes 5 tasks per week in 55 hours or less.
 - (4) The Contractor must revise the time taken to complete a task whenever it is established that the time taken to complete a weekly task is not within the requirements of 1.1.3.
 - (5) The Contractor shall, through all available community structures, inform the local community of the labour-intensive works and the employment opportunities presented thereby. Preference must be given to people with previous practical experience in construction and/or who come from households:
 - (aa) where the head of the household has less than a primary school education;
 - (bb) that have less than one full-time person earning an income;
 - (cc) where subsistence agriculture is the source of income;
 - (dd) those who are not in receipt of any social security pension income.
 - (6) The contractor must provide monthly statistics to the COE indicating the number of new jobs created through this contract. This statistic must be

provided with each monthly payment certificate using Councils electronic prescribed format, which will be provided by the Project Manager of this project to the successful bidder. **Failure to provide the required statistics Council may withhold payment.**

(ii) Specific provisions pertaining to SANS 1914-5

(1) Definition

Targeted labour: Unemployed persons who are employed as local labour on the project.

(2) Contract participation goals

- (aa) There is no specified contract participation goal for the contract. The contract participation goal shall be measured in the performance of the contract to enable the employment provided to targeted labour to be quantified.
- (bb) The wages and allowances used to calculate the contract participation goal shall, with respect to both time-rated and task-rated workers, comprise all wages paid and any training allowance paid in respect of agreed training programmes.

(3) Terms and conditions for the engagement of targeted labour

Further to the provisions of clause 3.3.2 of SANS 1914-5, written contracts shall be entered into with targeted labour.

(4) Variations to SANS 1914-5

- (aa) The definition for net amount shall be amended as follows:
 - Financial value of the contract upon completion, exclusive of any value-added tax or sales tax which the law requires the employer to pay the contractor.
- (bb) The schedule referred to in 5.2 shall in addition reflect the status of targeted labour as women, youth and persons with disabilities and the number of days of formal training provided to targeted labour.
- (cc) Training of targeted labour
 - (1) The Contractor shall provide all the necessary on-the-job training to targeted labour to enable such labour to master the basic work techniques required to undertake the work in accordance with the requirements of the contract in a manner that does not compromise worker health and safety.
 - (2) The cost of the formal training of targeted labour, will be funded by the provincial office of the Department of Labour. This training will take place as close to the project site as practically possible. The Contractor must access this training by informing the relevant provincial office of the Department of Labour in writing, within 14 days of being awarded the contract, of the likely number of persons that will undergo training and when such training is required. The Employer must be furnished with a copy of this request.
 - (3) A copy of this training request made by the contractor to the DOL provincial office must also be faxed to the EPWP Training Director in the Department of Public Works.
 - (4) The contractor shall be responsible for scheduling the training of workers and shall take all reasonable steps to ensure that each beneficiary is provided with a

- minimum of six (6) days of formal training if he/she is employed for 3 months or less and a minimum of ten (10) days if he/she is employed for 4 months or more.
- (5) The Contractor shall do nothing to dissuade targeted labour from participating in training programmes.
 - (6) An allowance equal to 100% of the task rate or daily rate shall be paid by the Contractor to workers who attend formal training, in terms of 1.3.4 above.
 - (7) Proof of compliance with the requirements of 1.3.2 to 1.3.6 must be provided by the Contractor to the Employer prior to submission of the final payment certificate.

(l) Employment of local labour

It is the intention that this Contract should make maximum use of the local labour force that is presently unemployed. To this end the Contractor shall limit the utilisation on the Contract of non-local employees to that of key personnel only and to employ and train local labour to the extent necessary for the execution and completion of this Contract.

The Contractor shall fill in the form entitled Key Personnel in the Forms to be completed by the Bidder. The data stated on the above-mentioned form will be strictly monitored during the Contract period and any deviations therefrom shall be subject to the prior approval of the Principal Agent, which approval shall not be unreasonably withheld.

The employment of casual labour will be done in co-operation with community leaders and local structures. The bidder shall ensure that all remuneration paid to employees is in line with the relevant sectorial determination in terms of the Basic Conditions of Employment Act, No 75 of 1997, as determined by the Department of Labour.

(q) Monthly statements and payment certificates

The statement to be submitted by the Contractor in terms of Clause 49 of the Conditions of Contract shall be prepared by the Contractor at his own cost, strictly in accordance with the standard payment certificate prescribed by the Principal Agent, in digital electronic computer format. The Contractor shall, together with a copy of the digital electronic computer file of the statement, submit two (2) A4 size paper copies of the statement.

For the purposes of the Principal Agent's payment certificate, the Contractor shall subsequently be responsible, at his own cost, for making such adjustments to his statement as may be required by the Principal Agent for the purposes of accurately reflecting the actual quantities and amounts which the Principal Agent deems to be due and payable to the Contractor in the payment certificate.

The Contractor shall, at his own cost, make the said adjustments to the statement and return it to the Principal Agent within three (3) normal workings days from the date on which the Principal Agent communicated to the Contractor the adjustments required. The Contractor shall submit to the Principal Agent five (5) sets of A4 size paper copies of such adjusted statement, together with a copy of the electronic digital computer file thereof.

Any delay by the Contractor in making the said adjustments and submitting to the Principal Agent the requisite copies of the adjusted statement for the purposes of the Principal

Agent's payment certificate will be added to the times allowed to the Principal Agent in terms of Subclause 49.4 of the Conditions of Contract to submit the signed payment certificate to the Employer and the Contractor. Any such delay will also be added to the period in which the Employer is required to make payment to the Contractor.

(r) Construction in restricted areas

Working space is sometimes restricted. The construction method used in these restricted areas largely depends on the Contractor's Plant. Notwithstanding, measurement and payment will be strictly according to the specified cross-sections and dimensions irrespective of the method used, and the rates and prices bid will be deemed to include full compensation for any difficulties encountered by the Contractor while working in restricted areas. No extra payment nor any claim for payment due to these difficulties will be considered.

(s) Notices, signs, barricades and advertisements

All notices, signs and barricades, as well as advertisements, may be used only if approved by the Principal Agent. The Contractor shall be responsible for their supply, erection, maintenance and ultimate removal and shall make provision for this in his bid rates.

The Principal Agent shall have the right to instruct the Contractor to move any sign, notice or advertisement to another position, or to remove it from the Site of the Works if in his opinion it is unsatisfactory, inconvenient or dangerous.

(t) Workmanship and quality control

The onus to produce work that conforms in quality and accuracy of detail to the requirements of the Specifications and Drawings rests with the Contractor, and the Contractor shall, at his own expense, institute a quality control system and provide suitably qualified and experienced Principal Agent's, foremen, surveyors, materials technicians, other technicians and technical staff, together with all transport, instruments and equipment to ensure adequate supervision and positive control of the Works at all times.

The cost of supervision and process control, including testing carried out by the Contractor, will be deemed to be included in the rates bid for the related items of work.

The Contractor's attention is drawn to the provisions of the various Standardized Specifications regarding the minimum frequency of testing required. The Contractor shall, at his own discretion, increase this frequency where necessary to ensure adequate control.

On completion and submission of every part of the work to the Principal Agent for examination and measurement, the Contractor shall furnish the Principal Agent with the results of the relevant tests, measurements and levels to demonstrate the achievement of compliance with the Specifications.

C3.4.3 Plant and material

C3.4.3.1 Plant and materials supplied by the employer

"The Employer shall not supply any plant or materials."

C3.4.3.2 Materials, samples and shop drawings

(a) Samples

Materials or work which do not conform to the approved samples submitted in terms of Subclause 23.4 of the Conditions of Contract, will be rejected. The Principal Agent reserves the right to submit samples to tests to ensure that the material represented by the sample meets the specification requirements.

The costs of any such tests conducted by or on behalf of the Principal Agent, the results of which indicate that the samples provided by the Contractor do not conform to the requirements of the Contract, shall, in accordance with the provisions of Subclause 23.7 of the Conditions of Contract, be for the Contractor's account.

C3.4.4 Construction equipment

C3.4.4.1 Requirements for equipment

- TLB
- Motorised grader
- Excavator
- Tip Truck
- Water Cart
- Vibratory Roller
- Vibratory Rammer
- Trench Roller
- Dewatering Pump
- Concrete Vibrator

C3.4.5 Accommodation of other contractors

C3.4.5.1 General

The Contractor shall be required to accommodate other contractors on the Site of the Works during the Contract period. Adequate access to the site of their works shall be given the above stated contractors at all times.

No direct payment will be made for the cost of providing adequate access and accommodating the stated contractors on the Site of the Works, as well as the cost of any inconvenience or disruption experienced in attending to the aforementioned. Payment shall be deemed to be covered by the rates and sums tendered and paid for the various items of work included under the Contract.

C3.4.6 Occupational health and safety

(Read with SANS 1921 - 1: 2004 clause 4.14)

C3.4.6.1 General Statement

It is a requirement of this contract that the Contractor shall provide a safe and healthy working environment and to direct all his activities in such a manner that his employees and any other persons, who may be directly affected by his activities, are not exposed to hazards to their health and safety. To this end the Contractor shall assume full responsibility to conform to all the provisions of the Occupational Health and Safety Act No 85 and Amendment Act No 181 of 1993, and the OHS Act 1993 Construction Regulations 2014 issued on 7 February 2014 by the Department of Labour.

For the purpose of this contract the Contractor is required to confirm his status as mandatory and employer in his own right for the execution of the contract by entering into an agreement with the Employer in terms of the Occupational Health and Safety Act in the form as included in Part C1.4 of the Contract.

C3.4.6.2 Health and Safety Specifications and Plans to be submitted at tender stage

- (a) Employer's Health and Safety Specification
The Employer's Health and Safety Specification are included in the tender documents as Part of C3.4.11.6, Particular Specifications.
- (b) Tenderer's Health and Safety Plan
The Tenderer shall submit with his tender his own documented Health and Safety Plan he proposes to implement for the execution of the work under the contract. His Health and Safety Plan must at least cover the following:
 - (i) a proper risk assessment of the works, risk items, work methods and procedures in terms of Construction Regulations 2014;
 - (ii) pro-active identification of potential hazards and unsafe working conditions;
 - (iii) provision of a safe working environment and equipment;
 - (iv) statements of methods to ensure the health and safety of subcontractors, employees and visitors to the site, including safety training in hazards and risk areas;
 - (v) monitoring health and safety on the site of works on a regular basis, and keeping of records and registers as provided for in the Construction Regulations 2014;
 - (vi) details of the Construction Supervisor, the Construction Safety Officers and other competent persons he intends to appoint for the construction works in terms of Construction Regulations 2014 and other applicable regulations; and
 - (vii) details of methods to ensure that his Health and Safety Plan is carried out effectively in accordance with the Construction Regulations 2014.

The Contractor's Health and Safety Plan will be subject to approval by the Employer, or amendment if necessary, before commencement of construction work. The Contractor will not be allowed to commence work, or his work will be suspended if he had already commenced work, before he has obtained the Employer's written approval of his Health and Safety Plan.

Time lost due to delayed commencement or suspension of the work as a result of the Contractor's failure to obtain approval for his safety plan, shall not be used as a reason to claim for extension of time or standing time and related costs.

In addition, Tenderers are to note that the site is considered a hazardous area and effective protection equipment must be provided and precautions implemented during the contract. Methane gas is present and personnel must not enter confirmed spaces without ventilation. Smoking must be prohibited within the site area.

C3.4.6.3 Cost of compliance with the OHS Construction Regulations

The rates and prices tendered by the Contractor shall be deemed to include all costs for conforming to the requirements of the Act, the Construction Regulations and the Employer's Health and Safety Specification as applicable to this contract. Should the Contractor fail to comply with the provisions of the Construction Regulations, he will be liable for penalties as provided in the Construction Regulations and in the Employer's Health and Safety Specification.

C3.4.7 Employment of local labour – within 10KM radius of the site

It is the intention of the Contract that unskilled and skilled labourers including bricklayers, concrete gangers etc. be hired from the local population via the relevant community bodies, Ward Councillors and Community Liaison Officer (CLO). No labour is to be used on site except that hired from the local community unless prior approval is obtained from the Principal Agent. However, once employed by the Contractor they become the entire responsibility of the Contractor as part of his normal workforce.

The daily cost of this labour to be used on this Contract shall be calculated according to the SAFCEC recommended minimum rates applicable at any time during the duration of the Contract.

The appointed Contractor may be called upon to demonstrate how the included wage rate was arrived at, in terms of the above.

Only Foreman, artisans and skilled level and upwards will be allowed from outside the local community and all of the authorised "outside labour etc." will have to be listed under Schedule 8: KEY PERSONNEL. The necessity of these personnel will be assessed by the Principal Agent and Employer. The Contractor shall maintain accurate and comprehensive daily records of all labour engaged on the Contract and shall submit to the Principal Agent at monthly intervals detailed labour returns substantiating the actual numbers of labourers employed, the amounts actually paid in respect thereof and details of the various activities undertaken by the labourers.

This aspect will be closely monitored by the Principal Agent and Employer and any unauthorised infringement will result in the affected labour being dismissed from site.

The employment of local labour on this contract is advised but left entirely to the discretion of the Contractor. The onus will be on the Contractor from the very outset to liaise directly with the Local Councillors in so far as labour requirements are concerned.

The Contractor shall maintain accurate and comprehensive daily records of all labour engaged on this Project and shall submit to the Principal Agent at two weekly intervals detailed labour returns substantiating the actual numbers of labourers employed, the amounts actually paid in respect thereof, and details of the various activities undertaken by the labourers.

The Contractor shall ensure that all remuneration paid to employees is in line with the relevant sectorial determination in terms of the Basic Conditions of Employment Act, No 75 of 1997, as determined by the Department of Labour and the wage rate on the contract shall not be less than the published minimum rate for the area.

C3.4.8 Execution of the works

C3.4.8.1 Inspection by the Principal Agent

No portion of the work shall be proceeded with until the Principal Agent or his representative has approved the previous stage. If any work is covered or hidden from view before the Principal Agent or his representative has inspected the work, the Contractor shall at his own cost expose the covered or hidden work for inspection. The Contractor shall also be responsible for making good any work damaged during the uncovering.

C3.4.8.2 Certificate of Completion

When all the work under the Contract have been completed to the entire satisfaction of the Principal Agent, he will issue a certificate of completion to the Contractor informing the Contractor of the date at which the works are deemed to be completed and accepted by the Employer.

The sureties provided by the Contractor for the fulfilment and completion of the Contract in terms of the Form of Agreement will be released upon the issue of the Certificate of Completion.

C3.4.9 Construction programme

C3.4.9.1 Preliminary programme

The Contractor shall include with his tender a preliminary programme on the prescribed form to be completed by all Tenderers. The programme shall be in the form of a simplified bar chart with sufficient details to show clearly how the works will be performed within the time for completion as stated in the Contract Data.

Tenderers may submit tenders for an alternative Time for Completion in addition to a tender based on the specified Time for Completion. Each such alternative tender shall include a preliminary programme similar to the programme above for the execution of the works, and shall motivate his proposal clearly by stating all the financial implications of the alternative completion time.

The Contractor shall be deemed to have allowed fully in his tendered rates and prices as well as in his programme for all possible delays due to normal adverse weather conditions and special non-working days as specified in the Special Conditions of Contract, in the Project Specifications and in the Contract Data.

C3.4.9.2 Programme in terms of Clause 5.6 of the General Conditions of Contract

It is essential that the construction programme, which shall conform in all respects to Clause 5.6 of the General Conditions of Contract, be furnished within the time stated in the Contract Data. The preliminary programme to be submitted with the tender shall be used as basis for this programme.

When drawing up his programme, the Contractor shall also, inter alia, take into consideration and make allowances for:

- a) public access to the area at all times;
- b) the constructional plant which he intends to supply and use for the purpose of the Contract;
- c) the possibility of providing plant and equipment at the beginning of the establishment period for relocating indigenous plants from the working site;
- d) searching for, dealing with and carrying out alterations to the existing services;
- e) the quantities that will be carried out and the cash flow resulting from this on a monthly basis;
- f) known physical conditions or artificial obstructions;
- g) the accommodation and safeguarding of public access and traffic;
- h) the design, testing and approval of the concrete mixes, where applicable, and all other imported materials;
- i) the installation of the geomembrane liner shall be undertaken by a specialist Sub Contractor, which will entail liaison and co-operation between the Contractor and this Sub Contractor, to ensure each party's activities are accommodated.
- j) timeously carrying out survey requirements, including the survey of the site, prior to construction commencing,

The following must be stated on the programme:

- a) The quantity of work applicable for each bar item as well as rate at which work will be completed.
- b) A budget of value of planned and completed work, month by month for the full contract period.
- c) The critical path.
- d) Work to be undertaken by local contractors (if applicable).
- e) Works to be undertaken by specialist contractors (if applicable)
- f) Training courses.
- g) Schedule of plant and resources to be utilised.

The Contractor's programme and method statement will not be accepted as the basis for claims for additional compensation without due reference to all relevant associated factors.

C3.4.9.3 Delay in Completion

If, during the progress of the works which shall be reviewed monthly should the quantities of work performed per week fall below those shown on the approved Contractor's programme, or if the sequence of operations is altered, or if the programme is deviated from in any other way, or the Contractor's progress lags behind the latest accepted programme the Contractor shall, within one week after being notified by the Principal Agent, the Contractor shall organise the works in such a manner that no delays occur and submit a revised programme clearly indicating how he intends to regain lost time to ensure completion of the works within the period defined in term of Clause 5.12 of the Conditions of Contract or any extended time granted. Proposal to increase the tempo of work must incorporate positive steps to increase production either by more labour and plant on the Site, or by using the available labour and plant in a more efficient manner. Claims for additional payment to meet any cost incurred due to such a revised programme will not be accepted nor will they be any time related payment for these delays. Failure on the part of the Contractor to submit or to work according to the programme or revised programmes shall be sufficient reason for the Principal Agent to take steps as set out in Clause 9.2 of the Conditions of Contract.

C3.4.10 Variations and additions to sabs 1200 standardized specifications and particular specifications

Introduction

In certain clauses the standard, standardised and particular specifications allow a choice to be specified in the project specifications between alternative materials or methods of construction and for additional requirements to be specified to suit a particular contract. Details of such alternative or additional requirements applicable to this contract are contained in this part of the project specifications. It also contains additional specifications required for this particular contract.

The number of each clause and each payment item in this part of the project specifications consists of the prefix PS followed by a number corresponding to the number of the relevant clause or payment item in the standard specifications. The number of a new clause or payment item, which does not form part of a clause or a payment item in the standard specifications and which is included here, is also prefixed by PS, but followed by a new number which follows on the last clause or item number used in the relevant section of the standard specifications.

PART C4: SITE INFORMATION

Part C4.1 SITE INFORMATION

C4.1.1 The Site

The site is located on 3290 James Watt Crescent, Industrial Sites, Mahikeng Latitude: 25°50'26"
S Longitude: 25°37'52" E

C4.1.2 Work Area

The contractor is restricted within the boundary of the site to be pointed out at site handover. The site is located within an existing market and the contractor's attention is drawn to the site specific Health and Safety Specification forming part of this tender documentation.

C4.1.3 Access

Access to site to be pointed out at site handover, however the Contractor shall make allowance within his tender the cost of providing traffic control for the duration of the contract.

PART C5: OHS SPECIFICATION, AND DRAWINGS & SPECIFICATIONS

C5.1 OHS Specification and OHS Baseline Risk Assessment

C5.2 Tender Drawings and Specifications

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Item No	Quantity	Rate	Amount
<p><u>SECTION NO 1</u></p> <p><u>BILL NO 1</u></p> <p><u>PRELIMINARIES</u></p> <p><u>BUILDING AGREEMENT AND PRELIMINARIES</u></p> <p>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</p> <p>The JBCC Principal Building Agreement contract data form an integral part of this agreement</p> <p>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</p> <p>The contractor is deemed to have referred to the abovementioned documents for the full intent and meaning of each clause</p> <p>The clauses in the abovementioned documents are hereinafter referred to by clause number and heading only</p> <p>Where any item is not relevant to this agreement such item is marked N/A signifying "not applicable"</p> <p>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</p>			
	Carried Forward		R
<p>Section No. 1 PRELIMINARIES Bill No. 1 PRELIMINARIES C2: Pricing Data</p>			

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Brought Forward			R
<p><u>PREAMBLES FOR TRADES</u></p> <p>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</p> <p>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</p> <p>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</p> <p><u>STRUCTURE OF THIS PRELIMINARIES BILL</u></p> <p>Section A : A recital of the headings of the individual clauses in the aforementioned JBCC Principal Building Agreement</p> <p>Section B : A recital of the headings of the individual clauses in the aforementioned JBCC General Preliminaries</p> <p>Section C : Any special clauses to meet the particular circumstances of the project</p> <p><u>PRICING OF PRELIMINARIES</u></p> <p>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)</p>			
Carried Forward			R
<p>Section No. 1 PRELIMINARIES Bill No. 1 PRELIMINARIES C2: Pricing Data</p>			

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	Brought Forward		R
	<p><u>SECTION A: PRINCIPAL BUILDING AGREEMENT</u></p> <p><u>Interpretation (A1-A7)</u></p> <p>1 Clause 1.0 - Definitions and interpretation</p> <p>Pricing of bills of quantities</p> <p>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</p> <p>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</p> <p>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</p> <p>Abbreviated descriptions</p>		
	Carried Forward		R
	<p>Section No. 1 PRELIMINARIES Bill No. 1 PRELIMINARIES C2: Pricing Data</p>		

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<p style="text-align: center;">Brought Forward</p> <p>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</p> <p>Legal status of contractor</p> <p>If the contractor constitutes a joint venture, consortium or other unincorporated grouping of two or more persons then:</p> <ol style="list-style-type: none"> 1. These persons are deemed to be jointly and severally liable to the employer for the performance of this agreement 2. These persons shall notify the employer of their leader who has assigned authority to bind the contractor and each of these persons 3. The contractor shall not alter its composition or legal status without the prior written consent of the employer <p>Clause 1.1: Replace the following definitions in DEFINITIONS AND INTERPRETATIONS with the following wording: AGREEMENT means the agreement arising from the signing of the Form of Offer and Acceptance by the parties. BILLS OF QUANTITIES means the document drawn up in accordance with the Pricing Instructions contained in the Pricing Data. CONSTRUCTION PERIOD means the period commencing on the date of site hand over and ending on the date of practical completion. CONTRACT DOCUMENTS means the Agreement and</p>				R
<p style="text-align: center;">Carried Forward</p> <p>Section No. 1 PRELIMINARIES Bill No. 1 PRELIMINARIES C2: Pricing Data</p>				R

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<p style="text-align: center;">Brought Forward</p> <p>all documents referenced therein.</p> <p>CONTRACT DRAWINGS means the drawings listed in the Scope of Work.</p> <p>CONTRACT SUM means the total of prices in the Form of Offer and Acceptance.</p> <p>SCHEDULE means the variables listed in the Contract Data.</p> <p>CORRUPT PRACTICE means the offering, giving, receiving and soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution.</p> <p>FRAUDULENT PRACTICE means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of any tenderer, and includes collusive practice among tenderers (prior to or after the tender submission) designed to establish tender prices at artificial non-competitive levels and to deprive the tenderer of the benefits of free and open competition.</p> <p>INTEREST means the interest rates applicable to 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).</p> <p>SECURITY means the form of security provided by the employer or contractor, as stated in the schedule, from which the contractor or employer may recover expense or loss.</p> <p>Clause 1.1 Definition of "Commencement Date" is added:</p> <p>"COMMENCEMENT DATE" means the date that the agreement, made in terms of the Form of Offer and Acceptance, comes into effect.</p> <p>Clause 1.1 Definition of "Guarantee for Construction" is amended by replacing it with the following:</p> <p>"GUARANTEE FOR CONSTRUCTION" means a guarantee at call obtained by the contractor from an institution approved by the employer in terms of the employer's construction guarantee form as selected in the schedule.</p>	R	
<p style="text-align: center;">Carried Forward</p> <p>Section No. 1 PRELIMINARIES Bill No. 1 PRELIMINARIES C2: Pricing Data</p>	R	

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	Brought Forward		R
	<p>Clause 1.1 Definition of "Principal Agent" is amended by replacing it with the following: "PRINCIPAL AGENT" means the person or entity appointed by the employer and named in the schedule. In the event of a principal agent not being appointed, then all the duties and obligations of a principal agent as detailed in the agreement shall be fulfilled by a representative of the employer as named in the schedule.</p> <p>F:..... V:..... T:.....</p>	Item	
2	<p>Clause 2.0 - Law, regulations and notices</p> <p>F:..... V:..... T:.....</p>	Item	
3	<p>Clause 3.0 - Offer and acceptance</p> <p>F:..... V:..... T:.....</p>	Item	
4	<p>Clause 4.0 - Cession and assignment</p> <p>F:..... V:..... T:.....</p>	Item	
5	<p>Clause 5.0 - Documents</p> <p>Value Added Tax</p> <p>Provision is made in the summary page of these bills of quantities for the inclusion of Value Added Tax (VAT)</p> <p>Clause 5.0 is amended by the addition of the following sub-clause 5.7: The contractor shall supply and keep a copy of the JBCC Series 2000 Principal Building Agreement and Preliminaries applicable to this contract on the site, to which the employer, principal agent and agents shall have access at all times.</p> <p>F:..... V:..... T:.....</p>	Item	
6	<p>Clause 6.0 - Employer's agents</p>		
	Carried Forward		R
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<p style="text-align: center;">Brought Forward</p> <p>Delegated authority</p> <p>The authority of the principal agent to issue contract instructions [17.1] and perform duties for specific aspects of the works is delegated to agents as follows [6.2]. This does not preclude the principal agent from issuing such contract instructions: To be confirmed on appointment.</p> <p>1. <u>Architect</u></p> <p>1.1 Duties [6.2] :</p> <p>The architect is responsible for the architectural design, functional design and quality inspection of the works</p> <p>2. <u>Quantity surveyor</u></p> <p>2.1 Duties [6.2] :</p> <p>The quantity surveyor is responsible for all measurements, valuations, financial assessments and all other quantity surveying and cost control functions of the works</p> <p>3. <u>Civil and structural engineer</u></p> <p>3.1 Duties [6.2] :</p> <p>The civil and structural engineer is responsible for all aspects of civil and structural engineering design and quality inspection of the works</p> <p>4. <u>Mechanical engineer</u></p>				R
<p style="text-align: center;">Carried Forward</p> <p>Section No. 1 PRELIMINARIES Bill No. 1 PRELIMINARIES C2: Pricing Data</p>				R

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Brought Forward			R	
<p>4.1 Duties [6.2] :</p> <p>The mechanical engineer is responsible for all aspects of mechanical engineering design and quality inspection of the works and, where appointed by the employer for quantity surveying services in respect of the mechanical installations, for all measurements, valuations, financial assessments and all other quantity surveying and cost control functions</p> <p>5. <u>Electrical engineer</u></p> <p>5.1 Duties [6.2] :</p> <p>The electrical engineer is responsible for all aspects of electrical engineering design and quality inspection of the works and, where appointed by the employer for quantity surveying services in respect of the electrical installations, for all measurements, valuations, financial assessments and all other quantity surveying and cost control functions</p> <p>8. <u>Health and safety consultant</u></p> <p>8.1 Duties [6.2] :</p> <p>The health and safety consultant is responsible for all aspects of health and safety of the works. Without derogating from the generality thereof, the health and safety consultant will perform the following specific functions and duties in respect of the health and safety aspects of the works. He shall:</p> <p>8.1.1 Act as the employer's agent in terms of the Construction Regulations issued in terms of the Occupational Health and Safety Act, 1993 as amended</p> <p>8.1.2 Prepare and update the health and safety specification for the works</p> <p>8.1.3 Agree with the contractor the health and safety plan for the works</p>				
Carried Forward			R	
<p>Section No. 1 PRELIMINARIES Bill No. 1 PRELIMINARIES C2: Pricing Data</p>				

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	<p>Clause 8.0 is deemed to be amended by the addition of the new clause 8.8 and 8.9: 8.8 Unless specifically stated to the contrary, where trade names have been used in the tender documents to specify materials and goods, this has been done with the sole purpose of indicating the standard and quality required by the principal agent. The contractor shall be free to supply those of other manufacturers or suppliers provided that they match the standard and quality required. The onus shall be on the contractor to prove that the materials and goods supplied by him are of similar standard and quality to those specified.</p> <p>8.9 The risks for loss or damage to the works resulting from such materials and goods and for latent defects in such materials and goods shall be that of the contractor, whether the materials and goods as specified or otherwise are supplied. Where it is specifically stated that no other trade name will be acceptable then the above-mentioned risks will remain with the employer.</p> <p>F:..... V:..... T:.....</p>	Item	
9	<p>Clause 9.0 - Indemnities</p> <p>F:..... V:..... T:.....</p>	Item	
10	<p>Clause 10.0 - Insurances</p> <p>Clause 10.0 is amended by the addition of the following clauses:</p> <p>10.11 Damage to the Works</p> <p>(a) Without in any way limiting the contractor's obligations in terms of the contract, the contractor shall bear the full risk of damage to and/or destruction of the works by whatever cause during construction of the works and hereby indemnifies and holds harmless the employer against any such damage. The contractor shall take such precautions and security measures and other steps for the protection and security of the works as the contractor may deem necessary.</p> <p>(b) The contractor shall at all times proceed immediately to remove or dispose of any debris arising from damage</p>		
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<p style="text-align: center;">Brought Forward</p> <p>to or destruction of the works and to rebuild, restore, replace and/or repair the works.</p> <p>(c) Where the employer bears the risk in terms of this contract, the contractor shall, if requested to do so, reinstate any damage or destroyed portions of the works and the costs of such reinstatement shall be measured and valued in terms of clause 25.0 hereof</p> <p>10.12 Injury to Persons or loss of or damage to Properties</p> <p>(a) The contractor shall be liable for and hereby indemnifies the employer against any liability, loss, claim or proceeding whether arising in common law or by statute, consequent upon personal injuries to or the death of any person whomsoever arising out of or in the course of or caused by the execution of the works unless due to any act or negligence of any person for whose actions the employer is legally liable</p> <p>(b) The contractor shall be liable for and hereby indemnifies the employer against any liability, loss, claim or proceeding consequent upon loss of or damage to any moveable or immovable or personal property or property contiguous to the site, whether belonging to or under the control of the employer or any other body or person, arising out of or in the course of or by reason of the execution of the works unless due to any act or negligence of any person for whose actions the employer is legally liable</p> <p>(c) The contractor shall, upon receiving a contract instruction from the principal agent, cause the same to be made good in a perfect and workmanlike manner at his own cost and in default thereof the employer shall be entitled to cause it to be made good and to recover the cost thereof from the contractor or to deduct the same from amounts due to the contractor</p> <p>(d) The contractor shall be responsible for the protection and safety of such portions of the premises placed under his control by the employer for the purpose of executing the works until the issue of the certificate of practical completion</p> <p>(e) Where the execution of the works involves the risk of</p>	R	
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	<p>removal of or interference with support to adjoining properties including land or structures or any structures to be altered or added to, the contractor shall obtain adequate insurance and will remain adequately insured or insured to the specific limit stated in the contract against the death of or injury to persons or damage to such property consequent on such removal or interference with the support until such portion of the works has been completed</p> <p>(f) The contractor shall at all times proceed immediately at his own cost to remove or dispose of any debris and to rebuild, restore, replace and/or repair such property and to execute the works</p> <p>10.13 It is the responsibility of the contractor to ensure that he has adequate insurance to cover his risk and liability as mentioned in 10.11 and 10.12. Without limiting the contractor's obligations in terms of the contract, the contractor shall, within twenty-one (21) calendar days of the commencement date but before commencement of the works, submit to the employer proof of such insurance policy, if requested to do so</p> <p>F:..... V:..... T:.....</p>		
11	<p>Clause 11.0 - Securities</p> <p>Extension of waiver of lien</p> <p>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]</p> <p>Clause 11.5 is amended by replacing it with the following: No clause</p> <p>F:..... V:..... T:.....</p>	Item	
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	<u>Execution (A12 - A17)</u>			
12	<p>Clause 12.0 - Obligations of the parties</p> <p>Office accommodation</p> <p>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]</p> <p>Notice board</p> <p>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]</p> <p>Statutory and other notices</p> <p>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</p> <p>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</p> <p>Clause 12.1.1 is amended by replacing it with the following: No clause</p>			
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	<p>Clause 12.2.2 is amended by replacing it with the following: No clause</p> <p>F:..... V:..... T:.....</p>	Item	
13	<p>Clause 13.0 - Setting out</p> <p>F:..... V:..... T:.....</p>	Item	
14	<p>Clause 14.0 - Nominated subcontractors</p> <p>Clause 14.1.5 is amended by replacing it with the following: No clause</p> <p>F:..... V:..... T:.....</p>	Item	
15	<p>Clause 15.0 - Selected subcontractors</p> <p>F:..... V:..... T:.....</p>	Item	
16	<p>Clause 16.0 - Direct contractors</p> <p>Not Applicable</p> <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 (triplicate book) which is to be supplied and maintained on site by the contractor.</p> <p>F:..... V:..... T:.....</p>	Item	
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	<u>Completion (A18 - A24)</u>		
18	Clause 18.0 - Interim completion Not Applicable	N/A	
19	Clause 19.0 - Practical completion F:..... V:..... T:.....	Item	
20	Clause 20.0 - Completion in sections Not Applicable F:..... V:..... T:.....	Item	
21	Clause 21.0 - Defects liability period and final completion F:..... V:..... T:.....	Item	
22	Clause 22.0 - Latent defects liability period F:..... V:..... T:.....	Item	
23	Clause 23.0 - Revision of the date for practical completion Substitution of materials and goods The removal or substitution of any materials and goods which do not conform to the specification or the contract drawings shall not constitute grounds for the extension of the construction period nor for the adjustment of the contract value [17.1.8; 23.1 & 2] Clause 23.1.1 is amended by adding the following "It shall be deemed that the programme includes an allowance of twenty (20) working days for inclement and exceptionally inclement weather and an extension of time shall only be considered for inclement weather beyond the twenty (20) working day period."		
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24	<p>Clause 24.0 - Penalty for late or non-completion</p> <p>The penalty amount per calendar day is 3.5 cents per R100.00 of the contract value.</p> <p>F:..... V:..... T:.....</p> <p>Payment (A25 - A27)</p>		
25	<p>Clause 25.0 - Payment</p> <p>Prices submitted</p> <p>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</p> <p>Clause 25.10 is amended to Thirty (30) Calendar days instead of Fourteen (14) Calendar days</p> <p>F:..... V:..... T:.....</p>	Item	
26	<p>Clause 26.0 - Adjustment of the contract value and final account</p> <p>Fluctuations in costs</p> <p>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]</p>		
	Carried Forward		R
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	<p>Cost of claims</p> <p>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</p> <p>Claims from subcontractors</p> <p>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]</p> <p>F:..... V:..... T:.....</p>		
27	<p>Clause 27.0 - Recovery of expense and/or loss</p> <p>F:..... V:..... T:.....</p>	Item	
	<p><u>Suspension and termination (A28 - A29)</u></p>		
28	<p>Clause 28.0 - Suspension by the contractor</p> <p>Clause 28.1.1 is amended by replacing it with the following: No clause</p> <p>F:..... V:..... T:.....</p>	Item	
29	<p>Clause 29.0 - Termination</p>		
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	<p>TERMINATION BY THE EMPLOYER Clause 29.1 is amended by the addition of the following clauses: 29.1.4 refuses or neglects to comply strictly with any of the conditions of contract. 29.1.5 estate being sequestrated, liquidated or surrendered in terms of the insolvency laws in force within the Republic of South Africa. 29.1.6 in the judgement of the employer, has engaged in corrupt or fraudulent practices in competing for or in executing the contract.</p> <p>TERMINATION BY THE CONTRACTOR Clause 29.14.1 is deleted and is amended by the addition of the following clause: No clause Clause 29.0 is amended by the addition of the following clause: 29.29 Notwithstanding any clause to the contrary, on cancellation of this agreement either by the employer or the contractor; or for any reason whatsoever, the contractor shall on written instruction, discontinue with the works on a date stated and withdraw himself from the site. The contractor shall not be entitled to refuse to withdraw from the works on the grounds of any lien or right of retention or on the grounds of any other right whatsoever.</p> <p>F:..... V:..... T:.....</p>	Item	
	<p><u>Dispute resolution (A30)</u></p>		
30	<p>Clause 30.0 - Dispute resolution</p> <p>F:..... V:..... T:.....</p>	Item	
31	<p><u>Agreement</u></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>F:..... V:..... T:.....</p>	Item	
	Carried Forward		R
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	Brought Forward		R
32	<p><u>Contract data</u></p> <p>Tenderer's selections</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><u>Definitions and interpretation (B1)</u></p> <p>Clause 1.1 - Definitions</p> <p>F:..... V:..... T:.....</p> <p>Clause 1.2 - Interpretation</p> <p>F:..... V:..... T:.....</p> <p><u>Documents (B2)</u></p> <p>Clause 2.1 - Checking of documents</p> <p>F:..... V:..... T:.....</p> <p>Clause 2.2 - Provisional bills of quantities</p> <p>No</p> <p>F:..... V:..... T:.....</p> <p>Clause 2.3 - Availability of construction information</p> <p>Yes</p> <p>F:..... V:..... T:.....</p> <p>Clause 2.4 - Ordering of materials and goods</p> <p>F:..... V:..... T:.....</p>	Item	
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	<u>Previous work and adjoining properties (B3)</u>			
39	<p>Clause 3.1 - Previous work - dimensional accuracy</p> <p>The Contractor to confirm dimensions of the existing work on the drawings by carrying out site measurements.</p> <p>F:..... V:..... T:.....</p>	Item		
40	<p>Clause 3.2 - Previous work - defects</p> <p>Not Applicable</p> <p>F:..... V:..... T:.....</p>	Item		
41	<p>Clause 3.3 - Inspection of adjoining properties</p> <p>Buildings and structures in close proximity with the works.</p> <p>F:..... V:..... T:.....</p>	Item		
	<u>The site (B4)</u>			
42	<p>Clause 4.1 - Handover of site in stages</p> <p>Not Applicable</p> <p>F:..... V:..... T:.....</p>	Item		
43	<p>Clause 4.2 - Enclosure of the works</p> <p>The enclosure has to be OHS compliant.</p>	Item		
44	<p>Clause 4.3 - Asbestos compliance</p> <p>F:..... V:..... T:.....</p>	Item		
45	<p>Clause 4.3 - Geotechnical and other investigations</p> <p>F:..... V:..... T:.....</p>	Item		
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46	Clause 4.4 - Encroachments F:..... V:..... T:.....	Item	
47	Clause 4.5 - Existing premises occupied The entire Campus will be in use during the entire duration of the project. F:..... V:..... T:.....	Item	
48	Clause 4.6 - Services - known Existing services in close proximity with the works need to be protected as per the Principal Agent's recommendation. F:..... V:..... T:.....	Item	
<u>Management of contract (B5)</u>			
49	Clause 5.1 - Management of the works F:..... V:..... T:.....	Item	
50	Clause 5.2 - Progress meetings F:..... V:..... T:.....	Item	
51	Clause 5.3 - Technical meetings F:..... V:..... T:.....	Item	
<u>Samples, shop drawings and manufacturer's instructions (B6)</u>			
52	Clause 6.1 - Samples of materials F:..... V:..... T:.....	Item	
53	Clause 6.2 - Workmanship samples F:..... V:..... T:.....	Item	
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54	Clause 6.3 - Shop drawings F:..... V:..... T:.....	Item		
55	Clause 6.4 - Compliance with manufacturer's instructions F:..... V:..... T:.....	Item		
	<u>Deposits and fees (B7)</u>			
56	Clause 7.1 - Deposits and fees F:..... V:..... T:.....	Item		
	<u>Temporary services (B8)</u>			
57	Clause 8.1 - Water By the Contractor F:..... V:..... T:.....	Item		
58	Clause 8.2 - Electricity By the Contractor F:..... V:..... T:.....	Item		
59	Clause 8.3 - Ablution and welfare facilities By the Contractor F:..... V:..... T:.....	Item		
60	Clause 8.4 - Communication facilities F:..... V:..... T:.....	Item		
	<u>Prime cost amounts (B9)</u>			
61	Clause 9.1 - Responsibility for prime cost amounts			
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	F:..... V:..... T:.....	Item	
	<u>Attendance on subcontractors (B10)</u>		
62	Clause 10.1 - General attendance		
	F:..... V:..... T:.....	Item	
63	Clause 10.2 - Special attendance		
	F:..... V:..... T:.....	Item	
	<u>General (B11)</u>		
64	Clause 11.1 - Protection of the works		
	The enclosure has to be OHS compliant.		
	F:..... V:..... T:.....	Item	
65	Clause 11.2 - Protection/isolation of existing works and works occupied in sections		
	Not Applicable		
	F:..... V:..... T:.....	Item	
66	Clause 11.3 - Security of the works		
	F:..... V:..... T:.....	Item	
67	Clause 11.4 - Notice before covering work		
	F:..... V:..... T:.....	Item	
68	Clause 11.5 - Disturbance		
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	<p>Disturbance</p> <p>All work is to be carried out in such a manner as to cause no unacceptable or unreasonable dust, noise, vibrations, nuisance, inconvenience, annoyance and the like to the public, others, other properties and traffic in so far as they exceed the permissible limitations set by government legislation or by the local authority. Any delays, stoppages and the like arising from or in order to comply with the above will not constitute grounds for an adjustment to the construction period or contract value whatsoever</p> <p>F:..... V:..... T:.....</p>	Item	
69	<p>Clause 11.6 - Environmental disturbance</p> <p>Controlling all forms of pollution</p> <p>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</p> <p>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</p> <p>Environmental management plan</p> <p>The employer has prepared an environmental management plan (EMP) (refer to Annexures for a copy of the relevant plan). The contractor shall price opposite this item for compliance with all the requirements of such EMP</p> <p>F:..... V:..... T:.....</p>	Item	
70	<p>Clause 11.7 - Works cleaning and clearing</p> <p>F:..... V:..... T:.....</p>	Item	
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71	<p>Clause 11.8 - Vermin</p> <p>F:..... V:..... T:.....</p>	Item	
72	<p>Clause 11.9 - Overhand work</p> <p>F:..... V:..... T:.....</p>	Item	
73	<p>Clause 11.10 - Tenant installations</p> <p>Not Applicable</p> <p>F:..... V:..... T:.....</p>	Item	
74	<p>Clause 11.11 - Advertising</p> <p>F:..... V:..... T:.....</p>	Item	
<u>SECTION C: SPECIFIC PRELIMINARIES</u>			
75	<p>Warranties for materials and workmanship</p> <p>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</p> <p>The warranty shall state that workmanship, materials and installation are warranted for a specific period from the date of practical completion and that any defects that may arise during the specified period shall be made good at the expense of the entity supplying the materials and/or doing the work, upon written notice to do so</p> <p>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</p> <p>F:..... V:..... T:.....</p>	Item	
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76	<p>Overtime</p> <p>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</p> <p>F:..... V:..... T:.....</p>	Item		
77	<p>Cooperation of the contractor for cost management</p> <p>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</p> <p>F:..... V:..... T:.....</p>	Item		
78	<p>Overloading</p> <p>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</p> <p>F:..... V:..... T:.....</p>	Item		
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79	<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	
80	<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 (48) 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	
81	<p>Health and safety</p> <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 Annexures 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>		
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	<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>			
82	<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> <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		
		Item		
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	Brought Forward		R
83	<p>Advertising rights</p> <p>The employer 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	
84	<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	
85	<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	
	Carried Forward		R
	<p>Section No. 1 PRELIMINARIES Bill No. 1 PRELIMINARIES C2: Pricing Data</p>		

**APPOINTMENT OF A SUITABLE SERVICE PROVIDER FOR THE
REFURBISHMENT OF EXISTING BUILDINGS
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	Brought Forward		R
86	<p>Plant and equipment; hoisting and lifting; and temporary works</p> <p>The contractor is to provide for all plant, equipment, hoisting, lifting and temporary works requirements which he deems necessary to complete the works which have not been made provision for in other items across these bills of quantities.</p>		
87	<p>Plant and equipment</p> <p>Should surplus / additional plant and equipment costs be required by the contractor for fabrication, conveyance and delivery, unloading, storing and unpacking (all including establishment and de-establishment costs) pertaining to the works (over and above costs for plant and equipment allowed opposite each item across these bill of quantities) be required, all such costs shall be borne by the contractor.</p> <p>F:..... V:..... T:.....</p>	Item	
88	<p>Hoisting, lifting and rigging</p> <p>Should surplus / additional hoisting and lifting costs for hoisting, lifting, rigging, jacking, setting, conveyance, delivery be required by the contractor for hoisting, lifting, rigging, jacking, setting, conveyance and delivery across the site pertaining to the works (over and above costs for hoisting and lifting allowed opposite each item across these bill of quantities), all such costs shall be borne by the contractor.</p> <p>F:..... V:..... T:.....</p>	Item	
	Carried Forward		R
	<p>Section No. 1 PRELIMINARIES Bill No. 1 PRELIMINARIES C2: Pricing Data</p>		

**APPOINTMENT OF A SUITABLE SERVICE PROVIDER FOR THE
REFURBISHMENT OF EXISTING BUILDINGS
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	Brought Forward		R
89	<p>Site assembly and building works machinery, equipment and apparatus</p> <p>Should surplus / additional site assembly and building equipment costs be required for plant, heavy machinery, small plant, tools, small tools or equipment across the site pertaining to the works (over and above costs for plant and equipment allowed opposite each item across these bill of quantities), all such costs shall be borne by the contractor.</p> <p>F:..... V:..... T:.....</p>	Item	
90	<p>Temporary works</p> <p>Should surplus / additional temporary works cost be required by the contractor for dealing with / accommodation of traffic in and around the site, specialist equipment hire, temporary protection of services, temporary drainage, dealing with water / de-watering of seepage water and water from other subterranean sources in excavations and additional temporary services pertaining to the works (over and above costs for temporary works opposite each item across these bill of quantities), all such costs shall be borne by the contractor.</p> <p>F:..... V:..... T:.....</p>	Item	
	<u>SUMMARY OF CATEGORIES</u>		
	Category : Fixed R.....		
	Category : Value R.....		
	Category : Time R.....		
	Carried to Final Summary		R
	Section No. 1 PRELIMINARIES Bill No. 1 PRELIMINARIES C2: Pricing Data		

**APPOINTMENT OF A SUITABLE SERVICE PROVIDER FOR THE
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Item No	Quantity	Rate	Amount
<u>SECTION 2</u>			
<u>BILL NO 1</u>			
<u>ALTERATIONS</u>			
<u>View site</u>			
<p>Before submitting his tender the tenderer shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials salvageable from the alterations. No claim for any variations of the contract sum in respect of the nature and extent of the work or of inferior or damaged materials will be entertained</p>			
<u>Explosives</u>			
<p>No explosives whatsoever may be used for alteration purposes unless otherwise stated</p>			
<u>General</u>			
<p>The contractor shall carry out the whole of the works with as little mess and noise as possible and with a minimum of disturbance to tenants in the building and to adjoining premises and their tenants. He shall provide proper protection and provide, erect and remove when directed, any temporary tarpaulins that may be necessary during the progress of the works, all to the satisfaction of the principal agent</p>			
<p>Doors, fanlights, windows, fittings, frames, linings, sliding gears, etc which are to remain the property of the Employer shall be carefully taken out, temporarily stored, transported to store as indicated by the Employer and handed over to the Employer.</p>			
Carried Forward			R
<p>Section No. 2 BUILDING WORK Bill No. 1 ALTERATIONS C2: Pricing Data</p>			

**APPOINTMENT OF A SUITABLE SERVICE PROVIDER FOR THE
REFURBISHMENT OF EXISTING BUILDINGS
AT
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	Brought Forward			R
	<p>Doors, fanlights, windows, fittings, frames, linings, etc which are to be re-used shall be thoroughly overhauled before re-fixing including taking off, easing and rehanging, cramping up, re-wedging as required and making good cramps, dowels, etc, and oiling, adjusting and repairing ironmongery as necessary, replacing any glass damaged in removal or subsequently and stopping up all nail and screw holes with tinted plastic wood to match timber, unless otherwise described. Re-painting or re-varnishing is given separately</p> <p>Prices for taking out of doors, windows, etc shall include for removal of all beads, architraves, ironmongery, etc</p> <p>With regard to building up of openings in existing walls, cement screeds and pavings, granolithic, tops of walls, etc, shall be levelled and prepared for raising of brickwork</p> <p>Making good of finishes shall include making good of the brick and concrete surfaces onto which the new finishes are applied, where necessary</p> <p>The contractor will be required to take all dimensions affecting the existing buildings on the site and he will be held solely responsible for the accuracy of all such dimensions where used in the manufacture of new items (doors, windows, fittings, roof structure and sheeting, etc)</p> <p>All property salvaged from all alterations works are to remain the property of the Employer and are to be carefully taken out, temporarily stored, transported to store and handed over to the Employer.</p> <p><u>REMOVAL OF EXISTING WORK</u></p> <p><u>Breaking down and removing brickwork etc</u></p>			
1	One brick wall	m ²	74	
	Carried Forward			R
	<p>Section No. 2 BUILDING WORK Bill No. 1 ALTERATIONS C2: Pricing Data</p>			

**APPOINTMENT OF A SUITABLE SERVICE PROVIDER FOR THE
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Brought Forward		R
<p><u>Taking out and removing doors, windows, etc, including thresholds, sills, etc and including making good cement plaster on all sides and into reveals and brickwork on all sides and into reveals and with 20 MPa concrete threshold with steel trowelled finish (building up openings elsewhere)</u></p>		
2	Steel single door 877x2 032mm high overall from half brick wall (D2)	No 22
3	Steel double door 1 580 x 2 032mm high overall from half brick wall (D1)	No 22
4	44mm Door 877 x 2 032 mm high (D3)	No 6
5	Purpose-made single gate, size 1 000 x 2 430mm high overall, each leaf of 40 x 40 x 25mm square hollow section frame and 25 x 25 x 2.5mm verticals at 106mm centres, all welded together including "Mentis" or similar approved insect and vermin screen (Code: 362/VEM 6280E) and fitted with a pair of suitable hinges bolted to wall with and including hinges, 80 x 115mm "UltraSecurity" lock fitted by manufacturer, with ears for padlock and suitable drop bolt welded on with keep in concrete as per the architects specification	No 22
6	Purpose-made double gate, size 1 917 x 2 430mm high overall, each leaf of 40 x 40 x 25mm square hollow section frame and 25 x 25 x 2.5mm verticals at 106mm centres, all welded together including "Mentis" or similar approved insect and vermin screen (Code: 362/VEM 6280E) and fitted with a pair of suitable hinges bolted to wall with and including hinges, 80 x 115mm "UltraSecurity" lock fitted by manufacturer, with ears for padlock and suitable drop bolt welded on with keep in concrete as per the architect specification	No 22
7	Steel window frames exceeding 5m ² and not exceeding 7.5m ² (W1)	No 6
8	Steel window frames exceeding 2.5m ² and not exceeding 5m ² (W2,W3)	No 9
9	Frame for door size 826 x 2032mm high	No 6
Carried Forward		R
<p>Section No. 2 BUILDING WORK Bill No. 1 ALTERATIONS C2: Pricing Data</p>		

**APPOINTMENT OF A SUITABLE SERVICE PROVIDER FOR THE
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		Brought Forward		R
10	Frame for door size 1580 x 2032mm high	No	6	
	<u>Hacking up/off and removing granolithic, screeds, plaster, etc from concrete or brickwork and preparing surfaces for new screed, plaster, tile finishes, etc</u>			
11	Internal plaster from walls and columns	m ²	28	
	<u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc</u>			
12	Sisalation insulation	m ²	1,709	
	<u>Taking out and removing ironmongery</u>			
13	Toilet paper holder from wall	No	8	
	<u>Taking out/off and removing glass and mirrors</u>			
14	Mirror 600 x 600mm high from wall	No	8	
	<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), and prepration for new sanitary fittings</u>			
15	WC pan with cistern, including short lengths of piping, etc	No	8	
16	Wash hand basins, including short lengths of piping, etc	No	8	
	<u>PREPARATORY WORK TO EXISTING SURFACES</u>			
	Carried Forward			R
	Section No. 2 BUILDING WORK Bill No. 1 ALTERATIONS C2: Pricing Data			

**APPOINTMENT OF A SUITABLE SERVICE PROVIDER FOR THE
REFURBISHMENT OF EXISTING BUILDINGS
AT
MAHIKENG MARKET**

		Brought Forward		R
<u>Making good and preparatory work for new finishes</u>				
17	Carefully remove all foreign objects, surface contaminants, debris, rust and millscale, rinsing thoroughly with tap water until surfaces are water break-free and cleaning down existing corrugated sheet steel roof coverings and side cladding with approved mild, non-abrasive chemical agent to prepare roof coverings and side cladding for identification gaps / leaks, new waterproofing and new paintwork finish.	m ²	2,568	
<u>MAKING GOOD OF FINISHES ETC</u>				
<u>Making good granolithic</u>				
18	30mm Thick on floors in patches	m ²	500	
<u>BUILDING UP OPENINGS</u>				
<u>Brickwork in facebricks in class II mortar in building up openings, including bonding new to existing .</u>				
19	One brick wall	m ²	2	
<u>MECHANICAL CLEANING</u>				
<u>Wash down with pressurised watering down and with approved chemical cleaning using approved mild, non-abrasive chemical material</u>				
20	Existing external and internal walls to facebrick	m ²	800	
<u>SITE CLEARANCE</u>				
<u>Removing of rubbish</u>				
21	Removing rubbish from the buildings		Item	15,000.00
<u>WATERSTOPS, SEALING STRIPS, JOINT SEALANTS, ETC</u>				
		Carried Forward		R
Section No. 2 BUILDING WORK Bill No. 1 ALTERATIONS C2: Pricing Data				

**APPOINTMENT OF A SUITABLE SERVICE PROVIDER FOR THE
 REFURBISHMENT OF EXISTING BUILDINGS
 AT
 MAHIKENG MARKET**

	Brought Forward			R
	<u>Checking, identifying defects, leaks, etc. submission of defects report to Principal Agent, removal of any loose waterproofing membranes, mechanical tightening or replacement of loose fasteners, bolts, fixers, screws, cleats, etc. surface preparation for new waterproofing membranes, tapes and sealants in patches and closing of all gaps and leaks / sealing for water tightness through the supply and application of heat-resistant, flexible membranes, tapes, caulking agents, foam etc or similar approved and waterproofing primer / paint / sealants (over entire roof area), by specialist as approved by the Principal Agent</u>			
22	To existing corrugated roofs (measured flat on plan)	m ²	1,709	
	Carried Forward to Summary of Section No. 2			R
	Section No. 2 BUILDING WORK Bill No. 1 ALTERATIONS C2: Pricing Data			

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REFURBISHMENT OF EXISTING BUILDINGS
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Item No	Quantity	Rate	Amount
<u>SECTION 2</u>			
<u>BILL NO 2</u>			
<u>EARTHWORKS</u>			
NOTE: The Tenderer is advised to study the General Preambles for Trades (2017) before pricing this bill.			
<u>Nature of ground</u>			
The nature of the ground is assumed to be loose sandy material, therefore "earth", but possibly interspersed with "soft rock" or "hard rock"			
<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 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>Testing</u>			
<u>Prices for filling are to include for all necessary density and other tests</u>			
Carried Forward		R	
Section No. 2 BUILDING WORK Bill No. 2 EARTHWORKS C2: Pricing Data			

**APPOINTMENT OF A SUITABLE SERVICE PROVIDER FOR THE
REFURBISHMENT OF EXISTING BUILDINGS
AT
MAHIKENG MARKET**

Brought Forward		R
<u>Existing structures</u>		
All prices are to include the fixing / joining of new work to existing / adjoining structures.		
<u>EXCAVATIONS ETC</u>		
<u>Excavate through concrete floor not exceeding 2m deep</u>		
1	Trenches	m ³ 6
<u>Extra over all excavations for carting away</u>		
2	Surplus material from excavations and/or stock piles on site, to a dumping site to be located by the contractor	m ³ 6
<u>Risk of collapse of excavations</u>		
3	Sides of excavations not exceeding 1,5m deep	m ² 21
Carried Forward to Summary of Section No. 2		R
Section No. 2 BUILDING WORK Bill No. 2 EARTHWORKS C2: Pricing Data		

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Item No	Quantity	Rate	Amount
<p><u>SECTION 2</u></p> <p><u>BILL NO 3</u></p> <p><u>CONCRETE, FORMWORK AND REINFORCEMENT</u></p> <p><u>Model Preambles for Trades</u></p> <p>The Tenderer is advised to study the General Preambles for Trades (2017) which is applicable to this bill of quantities.</p> <p><u>Cost of tests</u></p> <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 for approval. The testing shall be undertaken by an approved independent firm or institution nominated by the contractor (test cubes are measured separately)</p> <p><u>Lightweight concrete</u></p> <p>Lightweight concrete shall have a density of 600kg/m³ for the top 50mm and 400kg/m³ for the remaining thickness. The minimum thickness at outlets, channels, etc shall be 50mm</p> <p><u>Surface beds</u></p> <p>All descriptions to surface beds are deemed to include joining the new surface bed to the existing surface beds through drilling and dowelling, or any other approved method as per the Structural Engineer</p> <p><u>Existing structures</u></p> <p>All prices are to include the fixing / joining of new work to existing concrete members.</p>			
Carried Forward			R
<p>Section No. 2 BUILDING WORK Bill No. 3 CONCRETE, FORMWORK AND REINFORCEMENT C2: Pricing Data</p>			

**APPOINTMENT OF A SUITABLE SERVICE PROVIDER FOR THE
 REFURBISHMENT OF EXISTING BUILDINGS
 AT
 MAHIKENG MARKET**

Brought Forward			R
<u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>			
<u>25MPa/19mm concrete</u>			
1	Strip footings	m ³	1
<u>TEST CUBES</u>			
2	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	1
<u>REINFORCEMENT (PROVISIONAL)</u>			
<u>Mild steel reinforcement to structural concrete work</u>			
3	All Diameters	t	1.00
<u>High tensile steel reinforcement to structural concrete work</u>			
4	All Diameters	t	0.50
Carried Forward to Summary of Section No. 2			R
Section No. 2 BUILDING WORK Bill No. 3 CONCRETE, FORMWORK AND REINFORCEMENT C2: Pricing Data			

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Item No	Quantity	Rate	Amount
<p><u>SECTION 2</u></p> <p><u>BILL NO 4</u></p> <p><u>MASONRY</u></p> <p><u>Model Preambles for Trades</u></p> <p>The Tenderer is advised to study the General Preambles for Trades (2017) which is applicable to this bill of quantities.</p> <p><u>Sizes in descriptions</u></p> <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> <p><u>Wall ties</u></p> <p>Descriptions of solid walls shall be deemed to include metal wall ties complying with SABS 2B, and of the butterfly or of the modified PWD type, of the required length with each end built at least 75mm deep into brickwork, spaced at not more than 1m centres alternatively to every third course of brickwork. Wire ties samples are to be submitted to the Engineer for approval.</p> <p><u>Existing structures</u></p> <p>All prices are to include the fixing / joining of new work to existing brickwork, including cutting toothings and bonding new brickwork to existing, etc</p> <p><u>Samples</u></p> <p>Before putting any work in hand, the Contractor is to submit to the Principal Agent and Engineer, for their approval, samples of all material intended for all works stated in this bill of quantities.</p>			
Carried Forward			R
<p>Section No. 2 BUILDING WORK Bill No. 4 MASONRY C2: Pricing Data</p>			

APPOINTMENT OF A SUITABLE SERVICE PROVIDER FOR THE
REFURBISHMENT OF EXISTING BUILDINGS
AT
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Brought Forward		R
	<u>Cement Mortar</u>	
	Water absorption must not exceed 12%.	
	<u>BRICKWORK</u>	
	<u>FOUNDATIONS (PROVISIONAL)</u>	
	<u>Brickwork of NFX bricks (14 MPa nominal compressive strength) in class II mortar</u>	
1	half brick walls	m ² 33
	<u>SUPERSTRUCTURE</u>	
	<u>Brickwork of NFX bricks (14 MPa nominal compressive strength) in class II mortar</u>	
	<u>FACE BRICKWORK</u>	
	<u>Approved face bricks pointed with recessed horizontal and vertical joints (Allow PC Amount of R 10 180.18 per thousand delivered to site excluding VAT)</u>	
2	Half brick walls	m ² 23
	<u>BRICKWORK SUNDRIES</u>	
	<u>2.5mm Galvanised brick reinforcement</u>	
3	150mm Wide reinforcement built in horizontally	m 15
	<u>Prestressed fabricated concrete lintels including necessary temporary supports</u>	
4	110 x 75mm Lintels in lengths not exceeding 3m	m 11
Carried Forward to Summary of Section No. 2		R
Section No. 2		
BUILDING WORK		
Bill No. 4		
MASONRY		
C2: Pricing Data		

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Item No		Quantity	Rate	Amount
	<p><u>SECTION 2</u></p> <p><u>BILL NO 5</u></p> <p><u>WATERPROOFING</u></p> <p><u>Model Preambles for Trades</u></p> <p>The Tenderer is advised to study the General Preambles for Trades (2017) which is applicable to this bill of quantities.</p> <p><u>Brand Names</u></p> <p>All brand names provided in the items below are merely to provide reference to indicative specifications and quality required from the Contractor. All equipment, fittings, etc. are to be approved by the Architect prior to installation by the Contractor.</p> <p><u>Waterproofing</u></p> <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><u>Existing structures</u></p> <p>All prices are to include the fixing / joining of new work to existing work, including lapping, etc.</p> <p><u>DAMPPROOFING OF WALLS AND FLOORS</u></p> <p><u>One layer 375 micron embossed polyethylene dampproof course (SANS 952-1985 type B)</u></p>			
1	In walls	m ²	51	
	Carried Forward to Summary of Section No. 2			R
	<p>Section No. 2 BUILDING WORK Bill No. 5 WATERPROOFING C2: Pricing Data</p>			

**APPOINTMENT OF A SUITABLE SERVICE PROVIDER FOR THE
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Item No	Quantity	Rate	Amount
<u>SECTION NO. 2</u>			
<u>BILL NO. 6</u>			
<u>ROOF COVERINGS</u>			
<u>Model Preambles for Trades</u>			
<p>The Tenderer is advised to study the General Preambles for Trades (2017) which is applicable to this bill of quantities.</p>			
<u>Brand Names</u>			
<p>All brand names provided in the items below are merely to provide reference to indicative specifications and quality required from the Contractor. All equipment, fittings, etc. are to be approved by the Architect prior to installation by the Contractor.</p>			
<u>Roof Covering</u>			
<p>The roof coverings shall be interlocking concealed-fix profile roll formed in continuous lengths and cut to length by a pneumatic cutoff process from certified Z275 commercial quality galvanized steel. The profile shall be roll formed with three ribs at centres not exceeding 203mm and a cover width not exceeding 406mm. These will include a male and female rib. When interlocked, the minimum sheet depth shall be 48mm. Each trough shall incorporate two stiffener ribs.</p>			
Carried Forward			R
<p>Section No. 2 BUILDING WORK Bill No. 6 ROOF COVERING C2: Pricing Data</p>			

**APPOINTMENT OF A SUITABLE SERVICE PROVIDER FOR THE
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Brought Forward		R
<p><u>Fixing of roof sheeting</u></p> <p>The sheets shall be fixed to every purlin by means of patented fixing method which will securely hold the sheets in position and lock-in both the sidelap and centre ribs. The clips shall be manufactured from Galvanised steel and shall be fixed to the steel purlins with two cadmium plated tek 3 no 10,24 x 16mm long self-drilling/tapping screws, all to the approval of the Architect.</p> <p><u>Flashings</u></p> <p>Flashings shall be approved and fixed to the sheeting with clips to obviate any direct fixing perforation. Prior to flashings being fixed, all troughs at the apex shall be stop-ended to the full depth of the sheet in order to prevent any penetration of wind driven water. The trough shall be lipped at the eaves end to form a drip.</p> <p>Flashing flanges shall be notched to the sheet profile where necessary. All these operations must be performed with special tools. Care shall be taken to ensure that no sheeting or flashing will be cut with abrasive disc on roof surface in order to prevent steel spatter from penetrating colour coated areas.</p> <p><u>Certificate for Roof Covering</u></p> <p>The contractor is to submit a certificate signed by the merchant, stating that the roof covering supplied, complies with the required thickness specified.</p> <p><u>Guarantee</u></p> <p>The manufacturer shall comply with ISO9002 Quality Management System. The sheeting shall be laid in strict accordance with the manufacturer's specifications by an approved contractor.</p> <p>A written and approved five-year (minimum) guarantee of site-workmanship and watertightness shall be issued after final inspection of roofs by the manufacturer.</p>		
Carried Forward		R
<p>Section No. 2 BUILDING WORK Bill No. 6 ROOF COVERING C2: Pricing Data</p>		

**APPOINTMENT OF A SUITABLE SERVICE PROVIDER FOR THE
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AT
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Brought Forward			R	
<p><u>Erection</u></p> <p>Every precaution shall be taken to prevent damage to roof sheets during all stages of construction. Duck boards should be used when necessary to protect the sheeting from damage. Sheeting which has become deformed or damaged in any way, shall be replaced.</p> <p><u>Safety</u></p> <p>The contractor shall exercise special care when handling sheeting, particularly in windy conditions. Should work be interrupted for any reason, all loose sheeting and incomplete sections must be adequately secured against possible movement by wind and gravity.</p> <p><u>Handling and storage</u></p> <p>The contractor shall ensure that all materials used on site for cladding, etc are transported, handled and stored in accordance with the manufacturer's recommendations. Material damaged shall be rejected and replaced with undamaged material at the contractor's expense. Repair of damaged material will not generally be permitted. Rates are to include for preventing damage and protecting sheets through all stages of construction.</p> <p><u>Inspection prior to installation or erection</u></p> <p>Before commencing installation, the contractor shall verify that the following items have been checked and accepted:</p> <ol style="list-style-type: none"> a. The entire structure or the portion thereof to be sheeted has been correctly aligned, levelled and grouted. b. Purlins and sheeting rails are at the correct spacing and are within the specified tolerances. 				
Carried Forward			R	
<p>Section No. 2 BUILDING WORK Bill No. 6 ROOF COVERING C2: Pricing Data</p>				

**APPOINTMENT OF A SUITABLE SERVICE PROVIDER FOR THE
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Brought Forward			R	
c. The corners of the roof are square and the wall framework is perpendicular or as specified.				
d. No protrusions such as bolt heads, splice plates, cleats, etc. appear on the face of the framework.				
e. All members to which roofing and cladding are to be fixed in aesthetically sensitive areas are true and square.				
f. Paint and any other materials that may be incompatible with the sheeting, have been painted over or so dealt with that direct contact with the sheeting is avoided..				
<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 have to 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, all cutting and flashings shall be so arranged that adequate provision is made for the drainage of all troughs and corrugation.				
<u>Cleaning of roofs, etc.</u>				
All debris, 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.				
Carried Forward			R	
Section No. 2 BUILDING WORK Bill No. 6 ROOF COVERING C2: Pricing Data				

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	Brought Forward			R
	<p>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.</p> <p><u>Drawings</u></p> <p>If a discrepancy exists between this BOQ and the current revision of the construction drawings, the drawings will govern.</p> <p><u>ROOF AND WALL INSULATION</u></p> <p><u>“Isover” or similar approved 135mm thick “Factorylite” non-combustible light weight fibreglass “Glasswool” thermal roof insulation with reinforced facing (Code: 12373), nominal density 12kg/m³, fixed concurrent with the roof covering with galvanised steel straining wires at 300mm centres and tied down top and bottom after tensioning with galvanized hoop iron ties with overlaps stapled together, the whole achieving a minimum R-value of 2.56m² K/W and thermal conductivity of minimum 0.039 W/m²/K, all in accordance with manufacturer’s recommendations.</u></p>			
1	<p>Insulation with longitudinal flap joints, laid under purlins and fixed concurrent with roof covering, including holes through boards etc (area measured flat on plan)</p>	m ²	1,709	
	Carried Forward to Summary of Section No. 2			R
	<p>Section No. 2 BUILDING WORK Bill No. 6 ROOF COVERING C2: Pricing Data</p>			

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Item No		Quantity	Rate	Amount
	<u>SECTION 2</u>			
	<u>BILL NO 7</u>			
	<u>CARPENTRY AND JOINERY</u>			
	<u>Model Preambles for Trades</u>			
	The Tenderer is advised to study the General Preambles for Trades (2017) which is applicable to this bill of quantities.			
	<u>Brand Names</u>			
	All brand names provided in the items below are merely to provide reference to indicative specifications and quality required from the Contractor. All equipment, fittings, etc. are to be approved by the Architect prior to installation by the Contractor.			
	<u>SKIRTINGS</u>			
	<u>Wrought meranti</u>			
1	25 x 110mm Skirtings including 25mm quadrant bead, nailed	m	166	
	<u>DOORS ETC</u>			
	<u>Solid core flush doors with "Formica" laminate, hung to steel frames</u>			
2	44mm Door 877 x 2 032 mm high (D3)	No	6	
	Carried Forward to Summary of Section No. 2			R
	Section No. 2 BUILDING WORK Bill No. 7 CARPENTRY AND JOINERY C2: Pricing Data			

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Item No	Quantity	Rate	Amount
<p><u>SECTION 2</u></p> <p><u>BILL NO 8</u></p> <p><u>CEILING, PARTITIONS AND ACCESS FLOORING</u></p> <p><u>Model Preambles for Trades</u></p> <p>The Tenderer is advised to study the General Preambles for Trades (2017) which is applicable to this bill of quantities.</p> <p><u>Brand Names</u></p> <p>All brand names provided in the items below are merely to provide reference to indicative specifications and quality required from the Contractor. All equipment, fittings, etc. are to be approved by the Architect prior to installation by the Contractor.</p> <p><u>Fixing</u></p> <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> <p><u>Ceilings</u></p> <p><u>Unless otherwise described ceilings shall be deemed to be horizontal</u></p>			
Carried Forward			R
<p>Section No. 2 BUILDING WORK Bill No. 8 CEILING, PARTITIONS AND ACCESS FLOORING C2: Pricing Data</p>			

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<p style="text-align: center;">Brought Forward</p> <p><u>Bulkheads</u></p> <p>Unless otherwise described bulkheads shall be deemed to be horizontal along the length</p> <p><u>Steel components</u></p> <p>All steel components for ceilings, partitions, etc are to be galvanised in accordance with SANS 121</p> <p><u>SUSPENDED CEILINGS</u></p> <p><u>Proprietary suspended ceilings</u></p> <p>Hangers, suspension grids, "lay-in" panels, etc are to be in accordance with the manufacturers' recommendations</p> <p><u>Flush plastered gypsum plasterboard suspended ceilings</u></p> <p>Ceilings shall comprise 9,5mm gypsum plasterboard boards screwed to and including screw-up suspension grid consisting of main tees at 1 200mm centres and galvanised steel capped cross tees at 400mm centres and with tape fixed over joints and the whole finished with gypsum plaster trowelled to a smooth polished surface</p> <p>The grid shall be suspended by means of galvanised steel L-section hangers at suitable centres, securely shot-pinned or screwed to concrete, steel or wood</p>				R
<p style="text-align: center;">Carried Forward</p> <p>Section No. 2 BUILDING WORK Bill No. 8 CEILING, PARTITIONS AND ACCESS FLOORING C2: Pricing Data</p>				R

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Brought Forward		R
<p><u>Flush plastered gypsum plasterboard suspended bulkheads</u></p> <p>Bulkheads shall comprise galvanised steel studding of 63,5mm top and bottom tracks with vertical studs at maximum 400mm centres, pop-riveted to the top and bottom tracks with similar additional vertical studs as necessary at abutments, ends, etc and covered as described with plasterboard screwed to studding with drywall screws at maximum 300mm centres. Boards shall be butt jointed and finished with tape and jointing compound and the whole finished with gypsum plaster trowelled to a smooth polished surface to the thickness recommended by the manufacturer</p> <p>Descriptions shall be deemed to include any additional studs at ends and intersections, corner beads, cornices at junctions with ceilings, jointing compound, tape, etc</p> <p><u>"Pelican Systems" or similar approved 1 200 x 600 x 12mm thick "Econotile" Vinyl Clad foil back "Fissured" or similar approved ceiling tiles, laid on "Econogrid" or similar approved pre-painted 38mm exposed steel tee suspension system, including all necessary hangers, grids and hold down clips. Suspension shall be in accordance with the manufacturer's recommendations and SABISA.</u></p>		
1	Ceilings suspended not exceeding 1m below existing roof structure	m ² 112
<p><u>"Pelican Systems" or similar approved cornices, perimeter trims, etc to suspended ceilings</u></p>		
2	20mm Shadowline pre-painted cornices, plugged	m 61
<p><u>DRYWALL PARTITIONS</u></p> <p><u>References</u></p> <p>If a discrepancy exists between this BOQ and the current revision of the construction drawings, the drawings will govern.</p>		
Carried Forward		R
<p>Section No. 2 BUILDING WORK Bill No. 8 CEILING, PARTITIONS AND ACCESS FLOORING C2: Pricing Data</p>		

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Brought Forward		R
<p><u>Two layers "Gyproc Gypwall Classic" or similar approved (Code: 63/F60S46) feature wall system with fire rating of 60 minutes (SANS 10177-2) and sound rating of 46dB, consisting of "Gyproc RhinoBoard" 12.5mm thick fixed to both sides of the framework using "Gyproc RhinoBoard" Sharp Point Screws 3.5mm diameter x 25mm at maximum 220mm centres with all joints staggered, including framework consisting of "Donn UltraSTEEL™" Studs 63.5mm x 35mm friction fitted into top and bottom "Donn UltraSTEEL™" Track 63.5mm x 25mm at 600mm centres and "Gyproc RhinoTape" to all joints and internal corners with "Donn" Corner Bead to all external corners in strict accordance with the Architect's specifications and manufacturer's instructions.</u></p>		
3	Partitions 2 350mm high with bottom track fixed to existing floor and top track fixed to suspended ceiling tees	m 80
4	Extra over partition 2 350m high for vertical abutment	No 36
<p><u>Extra over approved high-performance load-bearing feature drywall partitions for 44mm semi-solid flush doors with American Oak vertical with matching solid hardwood timber edgings veneer on both sides, hung to and including 2mm America Oak Veneer stain door frame with 90 x 70mm rebate, moulded, grooved, weather grooved, sealed with linseed oil transit stabilising sealer, including additional studding, trimming, heavy duty hinges, all ironmongery etc. to partitions</u></p>		
5	Door 877 x 2 032mm high overall including locksets, handles, barrel bolts, rebates, etc (Type D-03)	No 3
6	Door 700 x 2 032mm high overall including locksets, handles, barrel bolts, rebates, etc (Type D-04)	No 14
7	Door 700 x 2 032mm high overall including locksets, handles, barrel bolts, rebates, etc (Type D-05)	No 2
Carried Forward to Summary of Section No. 2		R
<p>Section No. 2 BUILDING WORK Bill No. 8 CEILING, PARTITIONS AND ACCESS FLOORING C2: Pricing Data</p>		

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REFURBISHMENT OF EXISTING BUILDINGS
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Item No		Quantity	Rate	Amount
	<p><u>SECTION 2</u></p> <p><u>BILL NO .9</u></p> <p><u>IRONMONGERY</u></p> <p><u>Model Preambles for Trades</u></p> <p>The Tenderer is advised to study the General Preambles for Trades (2017) which is applicable to this bill of quantities.</p> <p><u>Brand Names</u></p> <p>All brand names provided in the items below are merely to provide reference to indicative specifications and quality required from the Contractor. All equipment, fittings, etc. are to be approved by the Architect prior to installation by the Contractor.</p> <p><u>Shop Drawings and Samples</u></p> <p>Prior to commencement of any works, the Contractor is to produce shop drawings and samples, which are to be approved by the Principal Agent.</p> <p><u>References</u></p> <p>If a discrepancy exists between this BOQ and the current revision of the construction drawings, the drawings will govern.</p> <p><u>Manufactured by "Union" or similar approved</u></p>			
1	Bathroom Indicator Bolt Set (Code: AL8294AS)	No	14	
	<p><u>BATHROOM FITTINGS</u></p>			
	Carried Forward			R
	<p>Section No. 2 BUILDING WORK Bill No. 9 IRONMONGERY C2: Pricing Data</p>			

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Brought Forward		R
<u>Manufactured by "Kimberly clark" or similar approved</u>		
2	Kimberly-clark professional MR3 Satin finish stainless steel toilet tissue dispenser (code:SA426220 , overall size 130 x 135 x 360mm high, installed by a kimberly clark installation team.	No 17
3	Ref "STRX619" soap dispenser, plugged	No 3
4	Kimberly-clark professional ex MK2 stainless steel hand towel dispenser, overall size 310 x 135 x 360mm high, installed by kimberly clark installation team	No 2
5	900mm long C/P towel rail	No 3
6	Toilet roller holder	No 17
<u>SUNDRIES</u>		
7	Allow a provision of R100 000.00 (One Hundred Thousand) for ironmongery	Item
Carried Forward to Summary of Section No. 2		R
Section No. 2 BUILDING WORK Bill No. 9 IRONMONGERY C2: Pricing Data		

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Item No	Quantity	Rate	Amount
<p><u>SECTION 2</u></p> <p><u>BILL NO 10</u></p> <p><u>METALWORK</u></p> <p><u>Model Preambles for Trades</u></p> <p>The Tenderer is advised to study the General Preambles for Trades (2017) which is applicable to this bill of quantities.</p> <p><u>Brand Names</u></p> <p>All brand names provided in the items below are merely to provide reference to indicative specifications and quality required from the Contractor. All equipment, fittings, etc. are to be approved by the Architect prior to installation by the Contractor.</p> <p><u>Shop Drawings and Samples</u></p> <p>Prior to commencement of any works, the Contractor is to produce shop drawings and samples, which are to be approved by the Principal Agent.</p> <p><u>Discrepancies</u></p> <p>If a discrepancy exists between this BOQ and the current revision of the construction drawings, the drawings will govern.</p> <p><u>Descriptions</u></p> <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>			
	Carried Forward		R
<p>Section No. 2 BUILDING WORK Bill No. 10 METALWORK C2: Pricing Data</p>			

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Brought Forward				R
Metalwork described as "holed for bolts" shall be deemed to include the bolts unless otherwise described				
Note: All dimensions to be checked on site prior to construction.				
Note: All quantities to be confirmed with Project Architect and Quantity Surveyor on site prior to construction.				
<u>General</u>				
The following fittings are given as complete units i.e. the components of the units have not been given separately. Descriptions of such units shall, therefore, be deemed to include all components, assembling, ironmongery, side and back panels, openings, etc				
<u>References</u>				
References given in descriptions refer to the respective types of fittings detailed on the architect's drawing(s) numbered "20_04 4001 Rev. A - DOOR SCHEDULE" annexed to these bills of quantities				
<u>PRESSED STEEL DOOR FRAMES</u>				
<u>1,6mm Purpose made single rebated frames suitable for one brick wall with two 100mm heavy duty nylon washered brass butt hinges per leaf</u>				
1 Frame for door 826 x 2032mm high	No		6	
2 Frame for door size 1580 x 2032mm high	No		6	
<u>STEEL GATES, SCREENS, ETC</u>				
Carried Forward				R
Section No. 2 BUILDING WORK Bill No. 10 METALWORK C2: Pricing Data				

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Brought Forward		R
<u>Welded screens and gates fixed to brickwork</u>		
3	Purpose-made double gate, size 1 917 x 2 430mm high overall, each leaf of 40 x 40 x 25mm square hollow section frame and 25 x 25 x 2.5mm verticals at 106mm centres, all welded together including "Mentis" or similar approved insect and vermin screen (Code: 362/VEM 6280E) and fitted with a pair of suitable hinges bolted to wall with and including hinges, 80 x 115mm "UltraSecurity" lock fitted by manufacturer, with ears for padlock and suitable drop bolt welded on with keep in concrete as per the architect specification	No 22
4	Purpose-made single gate, size 1 000 x 2 430mm high overall, each leaf of 40 x 40 x 25mm square hollow section frame and 25 x 25 x 2.5mm verticals at 106mm centres, all welded together including "Mentis" or similar approved insect and vermin screen (Code: 362/VEM 6280E) and fitted with a pair of suitable hinges bolted to wall with and including hinges, 80 x 115mm "UltraSecurity" lock fitted by manufacturer, with ears for padlock and suitable drop bolt welded on with keep in concrete as per the architects specification	No 22
<u>STEEL WINDOWS, DOORS, ETC</u>		
<u>Standard industrial windows frames with burglar bars</u>		
5	Window type (W1), size 7000 x 2100mm high	No 5
6	Window type (W2), size 3000 x 2100mm high,	No 8
7	Window type (W3),size 3000 x 2100mm high	No 2
8	Window type (W4), size 535 x 650mm high	No 20
<u>Steel doors</u>		
9	44mm steel double door, external quality to match existing, size 1580 x 2032mm high including ironmongery (D1)	No 22
Carried Forward		R
Section No. 2 BUILDING WORK Bill No. 10 METALWORK C2: Pricing Data		

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	Brought Forward				
10	44mm steel single door external quality to match existing, size 877 x 2032mm high including ironmongery (D2)	No	22	R	
Carried Forward to Summary of Section No. 2					R
Section No. 2 BUILDING WORK Bill No. 10 METALWORK C2: Pricing Data					

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Item No	Quantity	Rate	Amount
<p><u>SECTION 2</u></p> <p><u>BILL NO 11</u></p> <p><u>PLASTERING</u></p> <p><u>Model Preambles for Trades</u></p> <p>The Tenderer is advised to study the General Preambles for Trades (2017) which is applicable to this bill of quantities.</p> <p><u>Discrepancies</u></p> <p>If a discrepancy exists between this BOQ and the current revision of the construction drawings, the drawings will govern.</p> <p><u>Existing work</u></p> <p>All prices are to include the fixing / joining of new work to existing work</p> <p><u>GRANOLITHIC</u></p> <p><u>Method</u></p> <p>The method to be used shall be either the monolithic method or the bonded method</p>			
			R
	Carried Forward		
<p>Section No. 2 BUILDING WORK Bill No. 11 PLASTERING C2: Pricing Data</p>			

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<p style="text-align: center;">Brought Forward</p> <p><u>Preparation</u></p> <p>For granolithic applied monolithically, the concrete floor shall be swept clean after bleeding of the concrete has ceased and the slab has begun to stiffen; any remaining bleed water shall be removed and the granolithic applied immediately thereafter. For granolithic to be bonded to the floor slab after it has hardened, the slab surface shall be hacked (preferably by mechanical means) until all laitance, dirt, oil, etc is dislodged and swept clean of all loose matter. The slab shall then be wetted and kept damp for at least six hours before applying the granolithic</p> <p><u>Mix</u></p> <p>Granolithic shall attain a compressive strength of at least 41MPa. The coarse aggregate shall comply with SANS 1083 and shall generally be capable of passing a 10mm mesh sieve. Where the thickness of the granolithic exceeds 25mm, the size of the coarse aggregate shall be increased to the maximum size compatible with the thickness of the granolithic</p> <p><u>Panels</u></p> <p>Granolithic shall be laid in panels not exceeding 14m² for monolithic finishes, not exceeding 9,5m² for bonded finishes and not exceeding 6m² for all external granolithic. Wherever possible, panels shall be square but at no time should the length of the panel exceed 1,5 times its width</p> <p>Where possible joints between panels shall be positioned over joints in the floor slab and shall be at least 3mm wide through the full thickness of the finish, separated by strips of wood or fibreboard and finished with V-joints</p> <p><u>Laying</u></p> <p>Monolithic granolithic shall be applied to the partially set slab and thoroughly compacted and lightly wood floated to the required levels</p>				R
<p style="text-align: center;">Carried Forward</p> <p>Section No. 2 BUILDING WORK Bill No. 11 PLASTERING C2: Pricing Data</p>				R

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	Brought Forward			R
	<p>Bonded granolithic shall be applied to the slab after applying a 1:1 sand-and-cement slurry brushed over the surface and allowed to partially set before applying the granolithic. The granolithic shall be thoroughly compacted and lightly wood floated to the required levels</p> <p>After wood floating, the monolithic and bonded granolithic shall remain undisturbed until bleeding has ceased and the surface has stiffened. Any remaining bleed water and laitance shall then be removed and the surface steel trowelled or power floated</p> <p><u>Curing, seasoning and protection</u></p> <p>Granolithic shall be covered with clean hessian with waterproof building foil over and kept wet for at least seven days after laying</p> <p><u>Colour</u></p> <p>Coloured granolithic shall be tinted with an approved colouring pigment mixed into a true and even colour</p>			
	<u>GRANOLITHIC</u>			
	<u>Untinted granolithic on concrete</u>			
1	30mm Thick on floors and landings	m ²	1,650	
	<u>INTERNAL PLASTER</u>			
	<u>Cement plaster wood floated for tiles, on brickwork</u>			
2	On walls	m ²	22	
	Carried Forward to Summary of Section No. 2			R
	Section No. 2 BUILDING WORK Bill No. 11 PLASTERING C2: Pricing Data			

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Item No	Quantity	Rate	Amount
<p><u>SECTION 2</u></p> <p><u>BILL NO 12</u></p> <p><u>TILING</u></p> <p><u>Model Preambles for Trades</u></p> <p>The Tenderer is advised to study the General Preambles for Trades (2017) which is applicable to this bill of quantities.</p> <p><u>Brand Names</u></p> <p>All brand names provided in the items below are merely to provide reference to indicative specifications and quality required from the Contractor. All equipment, fittings, etc. are to be approved by the Architect prior to installation by the Contractor.</p> <p><u>Shop Drawings and Samples</u></p> <p>Prior to commencement of any works, the Contractor is to produce shop drawings and samples, which are to be approved by the Principal Agent.</p> <p><u>References</u></p> <p>References given in descriptions refer to the respective types of fittings detailed on the architect's drawing(s) numbered "20_04 1201 Rev. A - WAR ROOM FINISHES" annexed to these bills of quantities</p> <p>If a discrepancy exists between this BOQ and the current revision of the construction drawings, the drawings will govern.</p>			
			R
	Carried Forward		
<p>Section No. 2 BUILDING WORK Bill No. 12 TILING C2: Pricing Data</p>			

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	Brought Forward		R
<p><u>Fixing</u></p> <p>Unless described as "fixed with adhesive to plaster (plaster elsewhere)" descriptions of tiling on brick or concrete walls, columns, etc shall be deemed to include 1:4 cement plaster backing and descriptions of tiling on concrete floors etc shall be deemed to include 1:3 plaster bedding</p> <p><u>Descriptions</u></p> <p>Descriptions of tiling shall be deemed to include for symmetrical arrangement of tiling with cutting along both sides of panels and for all straight cutting</p> <p>Descriptions of tiling shall be deemed to include for cutting and fitting around all sanitary ware and pipes, etc not exceeding 150mm diameter</p> <p>Descriptions of tiling shall be deemed to include for soft grouted joints at positions of joints in the substructure or at centres in both directions as recommended by the tile manufacturers or which represents good practice</p>			
<p>Section No. 2 BUILDING WORK Bill No. 12 TILING C2: Pricing Data</p>	Carried Forward		R

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		Brought Forward		R
<u>FLOOR TILING</u>				
<u>Supply and installation of 600 x 600mm "Vinyl" floor tiles, or similar approved, includes waste, laying, supply and fixing with waterproof adhesive and flush pointed, jointing in tinted waterproof compound (cementious grout)</u>				
1	On floors	m ²	111	
<u>FLOOR TILING</u>				
<u>Supply and installation of 350x350mm non slip grey ceramic floor tiles, or similar approved, includes waste, laying, supply and fixing with waterproof adhesive and flush pointed, jointing in tinted waterproof compound (cementious grout)</u>				
2	On floors	m ²	99	
<u>SUNDRIES</u>				
<u>Aluminium corner protectors, stair nosings, expansion joint strips, etc</u>				
3	12 mm Aluminium Square Edge Trim (10-11mm thick tile) (ASQE120) by Kirk Marketing or similar and approved	m	166	
Carried Forward to Summary of Section No. 2				R
Section No. 2 BUILDING WORK Bill No. 12 TILING C2: Pricing Data				

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Item No	Quantity	Rate	Amount
<p><u>SECTION 2</u></p> <p><u>BILL NO 13</u></p> <p><u>PLUMBING AND DRAINAGE (PROVISIONAL)</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Model Preambles for Trades</u></p> <p>The Tenderer is advised to study the General Preambles for Trades (2017) which is applicable to this bill of quantities.</p> <p><u>Brand Names</u></p> <p>All brand names provided in the items below are merely to provide reference to indicative specifications and quality required from the Contractor. All equipment, fittings, etc. are to be approved by the Architect prior to installation by the Contractor.</p> <p><u>General</u></p> <p>This Bill of Quantities forms part of, and must be read in conjunction with Engineer's and Architect's designs and layouts</p> <p>The quantities given are provisional and are subject to re-measurement on site after completion of the required services and adjustments will be made according to the unit rates given in the bill.</p> <p>In the event of discrepancies between the drawings, specifications and Bill of Quantities, the Client and Principal Agent shall decide whether the work as executed shall be remeasured on site or whether re-measurement shall be effected from the working drawings only, prior to commencement of any works</p>			
		Carried Forward	R
<p>Section No. 2 BUILDING WORK Bill No. 13 PLUMBING AND DRAINAGE C2: Pricing Data</p>			

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	Brought Forward		R	
	<p>Prior to commencement of any works, it is the responsibility of the Contractor to verify and confirm quantities, designs and specifications from the Engineer and Principal Agent with regards to all quantities within this Bill of Quantities.</p> <p><u>Shop Drawings and Samples</u></p> <p>Prior to commencement of any works, tenderers are to produce shop drawings and samples, which are to be approved by the Engineer and Principal Agent.</p> <p><u>Samples</u></p> <p>Prior to commencement of any works, tenderers are to produce samples, where applicable, which are to be approved by the Engineer and Principal Agent.</p> <p><u>Stainless steelbasins, sinks, wash troughs, urinals, etc.</u></p> <p>Units shall have standard aprons on all exposed edges and tiling keys against walls where applicable</p> <p><u>Waste unions</u></p> <p>Descriptions of waste unions shall be deemed to include rubber or vulcanite plugs and chains fixed to fittings</p> <p><u>References</u></p> <p>If a discrepancy exists between this BOQ and the current revision of the construction drawings, the drawings will govern.</p> <p><u>SANITARY FITTINGS</u></p> <p><u>Water Closet</u></p>			
1	<p>Vaal sanitary ware Parktown vitreous china 90 degrees outlet closed rim back inlet pan colour white (code : 431600) ans concealed inlet flush valve and jazz thermoset seat fixed complete in accordance with manufacturer's instructions</p>	No	15	
	Carried Forward		R	
	<p>Section No. 2 BUILDING WORK Bill No. 13 PLUMBING AND DRAINAGE C2: Pricing Data</p>			

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AT
MAHIKENG MARKET**

Brought Forward		R	
<u>Paraplegic water closets</u>			
2	White colour; Vaal Sanitaryware vitreous china "Pearl Paraplegic" semi-close coupled 90° outlet 1 open rim washdown pan and matching 9 litre cistern complete with lid, fitments, and purpose made C.P. side-flush lever (left or right). Supplied with purpose made thermoset seat and cover plate as per the architect specification	No	2
<u>Wash hand basin</u>			
3	Vaal sanitaryware cameo ceramic fireclay drop-in vanity basin colour white (code:7028), size 595 x 455mm including chainstay hole fitted into opening in vanity top(elsewhere specified) and sealed with selicone sealant where basin rim meets vanity too	No	9
<u>Paraplegic wash hand basin</u>			
4	510 x 405mm Hibiscus White vitreous china lavatory wall mounted basin with one tap hole including integrated overflow and chainstay hole, bolted to wall with two 10mm bolts.	No	2
<u>Urinals</u>			
5	Vaal Sanitaryware 600 x 385 x 380mm lavatera white vitreous china wall mounted top inlet urinal (code: 705426) including 38mm chromium plated domical grating (code: 8787Z0) and chromium plated top inlet spreader (code: 705Z1), flush valve (by other - recommended : cobra FJ6000), fixed on and including two hanger brackets (code:8127Z0) and urinal division (code: 7052) fixed with and including fixing screws and hanger brackets	No	4
<u>Sundries</u>			
6	Allow the amount of 200 000.00 (Two Hundred Thousand Rands) for internal plumbing, drainage installation and fire water reticulation, executed complete	Item	200,000.00
Carried Forward		R	
Section No. 2 BUILDING WORK Bill No. 13 PLUMBING AND DRAINAGE C2: Pricing Data			

**APPOINTMENT OF A SUITABLE SERVICE PROVIDER FOR THE
 REFURBISHMENT OF EXISTING BUILDINGS
 AT
 MAHIKENG MARKET**

	Brought Forward		R
	<u>Tests</u>		
7	Testing sanitary plumbing system	Item	
Carried Forward to Summary of Section No. 2			R
Section No. 2 BUILDING WORK Bill No. 13 PLUMBING AND DRAINAGE C2: Pricing Data			

**APPOINTMENT OF A SUITABLE SERVICE PROVIDER FOR THE
 REFURBISHMENT OF EXISTING BUILDINGS
 AT
 MAHIKENG MARKET**

Item No		Quantity	Rate	Amount
	<u>SECTION 2</u>			
	<u>BILL NO 14</u>			
	<u>GLAZING</u>			
	<u>TOPS, SHELVES, DOORS, MIRRORS, ETC</u>			
	<u>6mm Silvered float glass copper backed mirrors with bevelled and polished edges, holed for and fixed with chromium plated dome capped mirror screws with rubber buffers to plugs in brickwork or concrete</u>			
1	900 x 600mm high mirror	No	6	
	<u>GLAZING TO STEEL WITH PUTTY</u>			
	<u>6.38mm obscure glass to SABS standard</u>			
2	Panes exceeding 2.5m ² and not exceeding 5m ² (W2,W3,W4)	m ²	51	
3	Panes exceeding 5m ² and not exceeding 7.5m ² (W1)	m ²	140	
	Carried Forward to Summary of Section No. 2			R
	Section No. 2 BUILDING WORK Bill No. 14 GLAZING C2: Pricing Data			

APPOINTMENT OF A SUITABLE SERVICE PROVIDER FOR THE
REFURBISHMENT OF EXISTING BUILDINGS
AT
MAHIKENG MARKET

Item No		Quantity	Rate	Amount
	<p><u>SECTION 2</u></p> <p><u>BILL NO 15</u></p> <p><u>PAINTWORK</u></p> <p><u>Previously painted plastered surfaces</u></p> <p><u>Surfaces shall be thoroughly washed down and allowed to dry completely before any paint is applied. Blistered or peeling paint shall be completely removed and cracks shall be opened, filled with a suitable filler and finished smooth</u></p> <p><u>Previously painted metal surfaces</u></p> <p><u>Surfaces shall be thoroughly rubbed and cleaned down. Blistered or peeling paint shall be completely removed down to bare metal</u></p> <p><u>PAINTWORK TO PREVIOUS / EXISTING WORK</u></p> <p><u>ON SMOOTH CONCRETE SURFACES</u></p> <p><u>PAINTWORK ON INTERNAL PLASTERED SURFACES</u></p> <p><u>Prepare surface with one coat plaster primer thinned with 5 parts to 1 part mineral turpentine with two coats "Double Velvet" with minimum 16 hours drying time between coats</u></p>			
1	On Walls	m ²	28	
	<p><u>ON METAL</u></p>			
	Carried Forward			R
	<p>Section No. 2 BUILDING WORK Bill No. 15 PAINTWORK C2: Pricing Data</p>			

**APPOINTMENT OF A SUITABLE SERVICE PROVIDER FOR THE
 REFURBISHMENT OF EXISTING BUILDINGS
 AT
 MAHIKENG MARKET**

	Brought Forward			R
	<u>Prime prepared surfaces with one coat "Plascosafe 18 Primer (EMS18)" or similar approved anti-corrosion primer, with an overcoating time of minimum 8 hours and finish with two coats "Bitumnious Aluminium Paint (RMB 1)" or similar approved with minimum 16 hours drying time between coats, for a maintenance cycle of 4 years in a C1 - inland environment.</u>			
2	On roof coverings, channels and side cladding	m ²	3,121	
	<u>Prime with one coat "Namelcoat Metal Primer (UC53)" or similar with an overcoating time of minimum 16 hours and finish with two coats "Plascon Velvaglo (E17-4)" with minimum 16 hours drying time between coats</u>			
3	Door frames	m ²	282	
4	Window frames (measured over full flat area, both sides)	m ²	350	
	Carried Forward to Summary of Section No. 2			R
	Section No. 2			
	BUILDING WORK			
	Bill No. 15			
	PAINTWORK			
	C2: Pricing Data			

**APPOINTMENT OF A SUITABLE SERVICE PROVIDER FOR THE
REFURBISHMENT OF EXISTING BUILDINGS
AT
MAHIKENG MARKET**

Bill No	<u>SECTION SUMMARY - BUILDING WORK</u>	Page No	Amount
1	ALTERATIONS	38	
2	EARTHWORKS	40	
3	CONCRETE, FORMWORK AND REINFORCEMENT	42	
4	MASONRY	44	
5	WATERPROOFING	45	
6	ROOF COVERING	50	
7	CARPENTRY AND JOINERY	51	
8	CEILING, PARTITIONS AND ACCESS FLOORING	55	
9	IRONMONGERY	57	
10	METALWORK	61	
11	PLASTERING	64	
12	TILING	67	
13	PLUMBING AND DRAINAGE	71	
14	GLAZING	72	
15	PAINTWORK	74	
	Carried to Final Summary		R
	Section No. 2 BUILDING WORK C2: Pricing Data		

**APPOINTMENT OF A SUITABLE SERVICE PROVIDER FOR THE
REFURBISHMENT OF EXISTING BUILDINGS
AT
MAHIKENG MARKET**

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 3</u>			
	<u>BILL NO. 1</u>			
	<u>EXTERNAL WORKS (PROVISIONAL)</u>			
	<u>CPA WORK GROUP</u>			
	Unless otherwise stated all items in this bill will be Work Group 104			
	<u>PREAMBLES</u>			
	The contractor is referred to the General Preambles for Trades 2017 published by the Association of South African Quantity Surveyors before pricing this bill.			
	<u>DESCRIPTIONS</u>			
	The Tenderer is referred to the previous Section and the previous and successive Bills in this Section for preambles and full descriptions of materials and items described in this Bill, which will apply equally to the work in this Bill unless otherwise described			
	<u>SITE PREPARATION</u>			
1	Site clearance.	m ²	2,883	
2	Stripping of top soil and stockpile on site	m ²	2,883	
3	Earthworks preparation.	m ³	1,124	
	<u>New pavement Layerworks</u>			
4	60mm thick New Z-interlocking paving brick	m ²	2,463	
5	20mm thick paving sand	m ³	49	
6	Damp proof membrane 250 micron	m ²	2,463	
	Carried Forward			R
	Section No. 3 EXTERNAL WORKS Bill No. 1 Bulk Earthworks (Provisional) C2: Pricing Data			

**APPOINTMENT OF A SUITABLE SERVICE PROVIDER FOR THE
REFURBISHMENT OF EXISTING BUILDINGS
AT
MAHIKENG MARKET**

Brought Forward				R
7	150mm thick Cemented natural gravel (C4)	m ³	480	
<u>Existing pavement Layerworks</u>				
8	Single seal wearing course	m ²	1,809	
9	150mm thick base material (base correction)	m ³	353	
<u>Precast concrete kerb works</u>				
10	Barrier kerb (fig.3 to SABS 927)	m	288	
11	Mountable kerb (fig.8c to SABS 927)	m	24	
12	Concrete haunching (15MPa)	m ³	3	
<u>Road Marking works</u>				
13	WM7.1	m ²	180	
14	WM7.2	m ²	1	
15	WM7.3	m ²	1	
16	WM7.4	m ²	1	
17	WM7.5	m ²	1	
18	WM7.6	m ²	1	
19	RM6 (white) 100mm	m ²	80	
<u>Fencing works</u>				
20	Steel palisade fencing (2.1m height clearance)	m	130	
21	Sliding gate (6mx2.1m)	No	1	
<u>Water pipe works</u>				
22	75mmØ uPVC pipe on Class D bedding x700mm depth	m	27	
Carried Forward				R
Section No. 3 EXTERNAL WORKS Bill No. 1 Bulk Earthworks (Provisional) C2: Pricing Data				

**APPOINTMENT OF A SUITABLE SERVICE PROVIDER FOR THE
 REFURBISHMENT OF EXISTING BUILDINGS
 AT
 MAHIKENG MARKET**

Brought Forward				R
23	50mmØ uPVC pipe on Class D bedding x700mm depth	m	208	
24	Class D bedding and blanket	m ³	69	
25	Class D main fill	m ³	60	
26	Smart water meters	No	25	
<u>Sewer pipe works</u>				
27	110mmØ uPVC pipe on Class D bedding x700mm depth	m	234	
28	Class D bedding and blanket	m ³	75	
29	Class D main fill	m ³	53	
<u>MANHOLES</u>				
<p><u>Excavate in earth for and including circular type precast concrete manhole formed of 1500mm diameter x 200mm thick 25Mpa concrete slab with manhole formed of 1250mm diameter (internally) precast concrete rings with joints sealed with bituminous putty with and including 1200mm diameter (internally) precast concrete reducer slab 150mm thick and precast concrete spacer rings 675mm diameter (internally) precast concrete cover slab 150mm thick with opening for and including heavy duty road type manhole cover and lockable frame as type 2A set in cement mortar and sealed in tallow and with 20Mpa concrete benching in bottom floated smooth with falls and finished on all exposed surfaces with 25mm thick granolithic with angles rounded including all necessary excavation, backfilling, carting away, risk of collapse, shoring, dewatering, concrete blinding, formwork, step irons, etc.:</u></p>				
30	Manhole not exceeding 1500mm deep.	No	4	
31	Manhole exceeding 1500mm and not exceeding 1750mm deep.	No	2	
Carried to Final Summary				R
<p>Section No. 3 EXTERNAL WORKS Bill No. 1 Bulk Earthworks (Provisional) C2: Pricing Data</p>				

**APPOINTMENT OF A SUITABLE SERVICE PROVIDER FOR THE
REFURBISHMENT OF EXISTING BUILDINGS
AT
MAHIKENG MARKET**

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 4</u>			
	<u>BILL NO 1</u>			
	<u>LV RETICULATION</u>			
	<u>PREAMBLES</u>			
	The contractor is referred to the General Preambles for Trades 2017 published by the Association of South African Quantity Surveyors before pricing this bill.			
	<u>DESCRIPTIONS</u>			
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	<u>Distribution Boards</u>			
1	DB - 1	No	1	
2	DB - 2	No	1	
3	DB - 3	No	1	
4	External/Parking Lighting Kiosk	No	1	
	<u>Cables and Cable Terminations</u>			
	<u>Supply, install and connect reticulation cables installed in existing sleeves.</u>			
	<u>Minisub to DB- 1; 2 and 3</u>			
5	95 mm ² 4-core PVC/SWA/PVC Cable	m	90	
6	50 mm ² Bare Copper Earth Wire	m	90	
	Carried Forward			R
	Section No. 4 ELECTRICAL INSTALLATIONS Bill No. 1 LV RETICULATION C2: Pricing Data			

**APPOINTMENT OF A SUITABLE SERVICE PROVIDER FOR THE
REFURBISHMENT OF EXISTING BUILDINGS
AT
MAHIKENG MARKET**

Brought Forward			R
7	95 mm ² 4-core PVC/SWA/PVC Cable Terminations	No	6
8	50 mm ² Bare Copper Earth Wire Terminations	No	6
<u>DB-1; 2 and 3 to Units (1 - 22)</u>			
9	16 mm ² 4-core PVC/SWA/PVC Cable	m	800
10	10 mm ² Bare Copper Earth Wire	No	800
11	16 mm ² 4-core PVC/SWA/PVC Cable Terminations	No	44
12	10 mm ² Bare Copper Earth Wire Terminations	No	44
<u>DB - 1 to Guard House DB</u>			
13	6 mm ² 4-core PVC/SWA/PVC Cable	m	10
14	4 mm ² Bare Copper Earth Wire	m	10
15	6 mm ² 4-core PVC/SWA/PVC Cable Terminations	No	2
16	4 mm ² Bare Copper Earth Wire Terminations	No	2
<u>Minisub to Parking Lighting Kiosk</u>			
17	16 mm ² 4-core PVC/SWA/PVC Cable	m	40
18	10 mm ² Bare Copper Earth Wire	m	40
19	16 mm ² 4-core PVC/SWA/PVC Cable Terminations	No	2
20	10 mm ² Bare Copper Earth Wire Terminations	No	2
<u>Parking Lighting Kiosk to Light Poles</u>			
21	10 mm ² 4-core PVC/SWA/PVC Cable	m	40
22	6 mm ² Bare Copper Earth Wire	m	40
23	10 mm ² 4-core PVC/SWA/PVC Cable Terminations	No	12
Carried Forward			R
Section No. 4 ELECTRICAL INSTALLATIONS Bill No. 1 LV RETICULATION C2: Pricing Data			

**APPOINTMENT OF A SUITABLE SERVICE PROVIDER FOR THE
REFURBISHMENT OF EXISTING BUILDINGS
AT
MAHIKENG MARKET**

Brought Forward			R
24	6 mm ² Bare Copper Earth Wire Terminations	No	12
	<u>Sleeves</u>		
25	50mm diameter PVC sleeves for electrical services	m	50
	<u>Trenching</u>		
	<u>Excavate and backfill cable trench, 600mm deep and 400mm wide, including compacting</u>		
26	In hand-pickable soil	m ³	20
27	Danger tape	m	400
Carried Forward to Summary of Section No. 4			R
Section No. 4			
ELECTRICAL INSTALLATIONS			
Bill No. 1			
LV RETICULATION			
C2: Pricing Data			

**APPOINTMENT OF A SUITABLE SERVICE PROVIDER FOR THE
REFURBISHMENT OF EXISTING BUILDINGS
AT
MAHIKENG MARKET**

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 4</u>			
	<u>BILL NO 2</u>			
	<u>50MSQR UNIT</u>			
	<u>PREAMBLES</u>			
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	<u>DESCRIPTIONS</u>			
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	<u>GENERAL PURPOSE POWER OUTLETS AND LIGHTING</u>			
	<u>CONDUITS</u>			
	<u>Supply and installation of galvanised steel conduit complete with all accessories including couplings, bending and fixings as specified:</u>			
1	20mm - surface mounted	m	360	
	<u>CONDUIT BOXES</u>			
	<u>Supply and install conduit boxes complete with all accessories including conduit terminations</u>			
2	Round PVC looping boxes for 20mm conduit, complete with cover plates	No	24	
	<u>Steel outlet boxes excluding covers:</u>			
3	100mm x 50mm x 50mm conduit box.	No	12	
	Carried Forward			R
	Section No. 4 ELECTRICAL INSTALLATIONS Bill No. 2 50MSQR UNIT C2: Pricing Data			

**APPOINTMENT OF A SUITABLE SERVICE PROVIDER FOR THE
REFURBISHMENT OF EXISTING BUILDINGS
AT
MAHIKENG MARKET**

Brought Forward			R
4	100mm x 100mm x 50mm conduit box.	No	24
<u>WIRING AND CONDUCTORS</u>			
<u>Supply and install PVC insulated copper conductors in required colours, drawn into conduit or trunking:</u>			
5	2.5mm ²	m	2,400
6	4mm ²	m	1,200
7	2.5mm ² B.C.E.W.	m	2,400
<u>LIGHT SWITCHES</u>			
<u>Supply, install and connect flush mounted light switch complete with cover plate and all accessories:</u>			
8	16A 1 lever 1 way.	No	12
<u>LUMINAIRES</u>			
<u>Supply, install and connect luminaires mounted as specified, complete with lamps, control gear and all accessories:</u>			
9	2 x 36W 1200mm surface mounted LED light fitting with prismatic diffuser.	No	24
<u>SOCKET OUTLETS</u>			
<u>Supply, install and connect Switched socket outlets mounted flush in wall or as specified, complete with cover plates and all accessories:</u>			
10	16A Double switch socket outlet (White).	No	24
<u>ISOLATORS</u>			
Carried Forward			R
Section No. 4 ELECTRICAL INSTALLATIONS Bill No. 2 50MSQR UNIT C2: Pricing Data			

**APPOINTMENT OF A SUITABLE SERVICE PROVIDER FOR THE
 REFURBISHMENT OF EXISTING BUILDINGS
 AT
 MAHIKENG MARKET**

	Brought Forward				R
	<u>Supply and install Isolators mounted as specified complete with cover plates and all accessories.</u>				
11	Double pole	No	12		
	<u>DISTRIBUTION BOARD</u>				
12	Unit Distribution Board	No	12		
Carried Forward to Summary of Section No. 4					R
Section No. 4 ELECTRICAL INSTALLATIONS Bill No. 2 50MSQR UNIT C2: Pricing Data					

**APPOINTMENT OF A SUITABLE SERVICE PROVIDER FOR THE
REFURBISHMENT OF EXISTING BUILDINGS
AT
MAHIKENG MARKET**

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 4</u>			
	<u>BILL NO 3</u>			
	<u>100MSQR UNIT</u>			
	<u>PREAMBLES</u>			
	The contractor is referred to the General Preambles for Trades 2017 published by the Association of South African Quantity Surveyors before pricing this bill.			
	<u>DESCRIPTIONS</u>			
	The Tenderer is referred to the previous Section and the previous and successive Bills in this Section for preambles and full descriptions of materials and items described in this Bill, which will apply equally to the work in this Bill unless otherwise described			
	<u>GENERAL PURPOSE POWER OUTLETS AND LIGHTING</u>			
	<u>CONDUITS</u>			
	<u>Supply and installation of galvanised steel conduit complete with all accessories including couplings, bending and fixings as specified:</u>			
1	20mm - surface mounted	m	400	
	<u>CONDUIT BOXES</u>			
	<u>Supply and install conduit boxes complete with all accessories including conduit terminations</u>			
2	Round PVC looping boxes for 20mm conduit, complete with cover plates	No	30	
	<u>Steel outlet boxes excluding covers:</u>			
3	100mm x 50mm x 50mm conduit box.	No	10	
	Carried Forward			R
	Section No. 4 ELECTRICAL INSTALLATIONS Bill No. 3 100MSQR UNIT C2: Pricing Data			

**APPOINTMENT OF A SUITABLE SERVICE PROVIDER FOR THE
REFURBISHMENT OF EXISTING BUILDINGS
AT
MAHIKENG MARKET**

Brought Forward			R
4	100mm x 100mm x 50mm conduit box.	No	30
<u>WIRING AND CONDUCTORS</u>			
<u>Supply and install PVC insulated copper conductors in required colours, drawn into conduit or trunking:</u>			
5	2.5mm ²	m	4,000
6	4mm ²	m	2,000
7	2.5mm ² B.C.E.W.	m	3,000
<u>LIGHT SWITCHES</u>			
<u>Supply, install and connect flush mounted light switch complete with cover plate and all accessories:</u>			
8	16A 1 lever 1 way.	No	30
<u>LUMINAIRES</u>			
<u>Supply, install and connect luminaires mounted as specified, complete with lamps, control gear and all accessories:</u>			
9	2 x 36W 1200mm surface mounted LED light fitting with prismatic diffuser.	No	30
<u>SOCKET OUTLETS</u>			
<u>Supply, install and connect Switched socket outlets mounted flush in wall or as specified, complete with cover plates and all accessories:</u>			
10	16A Double switch socket outlet (White).	No	30
<u>ISOLATORS</u>			
Carried Forward			R
Section No. 4 ELECTRICAL INSTALLATIONS Bill No. 3 100MSQR UNIT C2: Pricing Data			

**APPOINTMENT OF A SUITABLE SERVICE PROVIDER FOR THE
REFURBISHMENT OF EXISTING BUILDINGS
AT
MAHIKENG MARKET**

Brought Forward			R
<u>Supply and install Isolators mounted as specified complete with cover plates and all accessories.</u>			
11	Double pole	No	10
<u>DISTRIBUTION BOARD</u>			
12	Unit Distribution Board	No	10
Carried Forward to Summary of Section No. 4			R
Section No. 4			
ELECTRICAL INSTALLATIONS			
Bill No. 3			
100MSQR UNIT			
C2: Pricing Data			

**APPOINTMENT OF A SUITABLE SERVICE PROVIDER FOR THE
REFURBISHMENT OF EXISTING BUILDINGS
AT
MAHIKENG MARKET**

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 4</u>			
	<u>BILL NO 4</u>			
	<u>ABLUTIONS</u>			
	<u>PREAMBLES</u>			
	The contractor is referred to the General Preambles for Trades 2017 published by the Association of South African Quantity Surveyors before pricing this bill.			
	<u>DESCRIPTIONS</u>			
	The Tenderer is referred to the previous Section and the previous and successive Bills in this Section for preambles and full descriptions of materials and items described in this Bill, which will apply equally to the work in this Bill unless otherwise described			
	<u>GENERAL PURPOSE POWER OUTLETS AND LIGHTING</u>			
	<u>CONDUITS</u>			
	<u>Supply and installation of galvanised steel conduit complete with all accessories including couplings, bending and fixings as specified:</u>			
1	20mm - surface mounted	m	30	
	<u>CONDUIT BOXES</u>			
	<u>Supply and install conduit boxes complete with all accessories including conduit terminations</u>			
2	Round PVC looping boxes for 20mm conduit, complete with cover plates	No	8	
	<u>Steel outlet boxes excluding covers:</u>			
3	100mm x 50mm x 50mm conduit box.	No	2	
	Carried Forward			R
	Section No. 4 ELECTRICAL INSTALLATIONS Bill No. 4 ABLUTIONS C2: Pricing Data			

**APPOINTMENT OF A SUITABLE SERVICE PROVIDER FOR THE
 REFURBISHMENT OF EXISTING BUILDINGS
 AT
 MAHIKENG MARKET**

Brought Forward			R
<u>WIRING AND CONDUCTORS</u>			
<u>Supply and install PVC insulated copper conductors in required colours, drawn into conduit or trunking:</u>			
4	2.5mm ²	m	400
5	4mm ²	m	200
6	2.5mm ² B.C.E.W.	m	400
<u>LIGHT SWITCHES</u>			
<u>Supply, install and connect flush mounted light switch complete with cover plate and all accessories:</u>			
7	16A 1 lever 1 way.	No	2
<u>LUMINAIRES</u>			
<u>Supply, install and connect luminaires mounted as specified, complete with lamps, control gear and all accessories:</u>			
8	LED Bulkhead light fitting	No	6
<u>ISOLATORS</u>			
<u>Supply and install Isolators mounted as specified complete with cover plates and all accessories.</u>			
9	Double pole	No	2
Carried Forward to Summary of Section No. 4			R
Section No. 4			
ELECTRICAL INSTALLATIONS			
Bill No. 4			
ABLUTIONS			
C2: Pricing Data			

**APPOINTMENT OF A SUITABLE SERVICE PROVIDER FOR THE
REFURBISHMENT OF EXISTING BUILDINGS
AT
MAHIKENG MARKET**

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 4</u>			
	<u>BILL NO 5</u>			
	<u>GUARD HOUSE</u>			
	<u>PREAMBLES</u>			
	The contractor is referred to the General Preambles for Trades 2017 published by the Association of South African Quantity Surveyors before pricing this bill.			
	<u>DESCRIPTIONS</u>			
	The Tenderer is referred to the previous Section and the previous and successive Bills in this Section for preambles and full descriptions of materials and items described in this Bill, which will apply equally to the work in this Bill unless otherwise described			
	<u>GENERAL PURPOSE POWER OUTLETS AND LIGHTING</u>			
	<u>CONDUITS</u>			
	<u>Supply and installation of galvanised steel conduit complete with all accessories including couplings, bending and fixings as specified:</u>			
1	20mm - surface mounted	m	20	
	<u>CONDUIT BOXES</u>			
	<u>Supply and install conduit boxes complete with all accessories including conduit terminations</u>			
2	Round PVC looping boxes for 20mm conduit, complete with cover plates	No	4	
	<u>Steel outlet boxes excluding covers:</u>			
3	100mm x 50mm x 50mm conduit box.	No	2	
	Carried Forward			R
	Section No. 4 ELECTRICAL INSTALLATIONS Bill No. 5 GUARD HOUSE C2: Pricing Data			

APPOINTMENT OF A SUITABLE SERVICE PROVIDER FOR THE
REFURBISHMENT OF EXISTING BUILDINGS
AT
MAHIKENG MARKET

Brought Forward			R
<u>WIRING AND CONDUCTORS</u>			
<u>Supply and install PVC insulated copper conductors in required colours, drawn into conduit or trunking:</u>			
4	2.5mm ²	m	200
5	4mm ²	m	100
6	2.5mm ² B.C.E.W.	m	200
<u>LIGHT SWITCHES</u>			
<u>Supply, install and connect flush mounted light switch complete with cover plate and all accessories:</u>			
7	16A 1 lever 1 way.	No	2
<u>LUMINAIRES</u>			
<u>Supply, install and connect luminaires mounted as specified, complete with lamps, control gear and all accessories:</u>			
8	LED Bulkhead light fitting	No	4
<u>SOCKET OUTLETS</u>			
<u>Supply, install and connect Switched socket outlets mounted flush in wall or as specified, complete with cover plates and all accessories:</u>			
9	16A Double switch socket outlet (White).	No	2
<u>DISTRIBUTION BOARD</u>			
10	Unit Distribution Board	No	1
Carried Forward to Summary of Section No. 4			R
Section No. 4			
ELECTRICAL INSTALLATIONS			
Bill No. 5			
GUARD HOUSE			
C2: Pricing Data			

**APPOINTMENT OF A SUITABLE SERVICE PROVIDER FOR THE
REFURBISHMENT OF EXISTING BUILDINGS
AT
MAHIKENG MARKET**

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 4</u>			
	<u>BILL NO 6</u>			
	<u>AREA AND PARKING LIGHTING INSTALLATIONS</u>			
	<u>PREAMBLES</u>			
	The contractor is referred to the General Preambles for Trades 2017 published by the Association of South African Quantity Surveyors before pricing this bill.			
	<u>DESCRIPTIONS</u>			
	The Tenderer is referred to the previous Section and the previous and successive Bills in this Section for preambles and full descriptions of materials and items described in this Bill, which will apply equally to the work in this Bill unless otherwise described			
	<u>GENERAL PURPOSE POWER OUTLETS AND LIGHTING</u>			
	<u>CONDUITS</u>			
	<u>Supply and installation of galvanised steel conduit complete with all accessories including couplings, bending and fixings as specified:</u>			
1	20mm - surface mounted	m	80	
	<u>CONDUIT BOXES</u>			
	<u>Supply and install conduit boxes complete with all accessories including conduit terminations</u>			
2	60mm round, 25mm deep for 20mm conduit mounted flush in wall or fixed to surface	No	10	
	<u>WIRING AND CONDUCTORS</u>			
	Carried Forward			R
	Section No. 4 ELECTRICAL INSTALLATIONS Bill No. 6 AREA AND PARKING LIGHTING INSTALLATION C2: Pricing Data			

**APPOINTMENT OF A SUITABLE SERVICE PROVIDER FOR THE
REFURBISHMENT OF EXISTING BUILDINGS
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MAHIKENG MARKET**

Brought Forward			R
<u>Supply and install PVC insulated copper conductors in required colours, drawn into conduit or trunking:</u>			
3	4mm ²	m	300
4	2.5mm ² B.C.E.W.	m	150
<u>LIGHT SWITCHES</u>			
<u>Supply, install and connect flush mounted light switch complete with cover plate and all accessories:</u>			
5	16A photocell	No	4
<u>LUMINAIRES</u>			
<u>Supply, install and connect luminaires mounted as specified, complete with lamps, control gear and all accessories:</u>			
6	20W LED Wall Mounted Flood light fitting	No	8
7	6m Pole with 2x 60W LED Floodlight fitting	No	6
Carried Forward to Summary of Section No. 4			R
Section No. 4			
ELECTRICAL INSTALLATIONS			
Bill No. 6			
AREA AND PARKING LIGHTNING INSTALLATION			
C2: Pricing Data			

**APPOINTMENT OF A SUITABLE SERVICE PROVIDER FOR THE
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SECTION SUMMARY - ELECTRICAL INSTALLATIONS

Bill No		Page No	Amount
1	LV RETICULATION	81	
2	50MSQR UNIT	84	
3	100MSQR UNIT	87	
4	ABLUTIONS	89	
5	GUARD HOUSE	91	
6	AREA AND PARKING LIGHTINING INSTALLATION	93	
	Carried to Final Summary		R
	Section No. 4 ELECTRICAL INSTALLATIONS C2: Pricing Data		

**APPOINTMENT OF A SUITABLE SERVICE PROVIDER FOR THE
REFURBISHMENT OF EXISTING BUILDINGS
AT
MAHIKENG MARKET**

Item No	Quantity	Rate	Amount
<u>SECTION NO. 5</u>			
<u>BILL NO 1</u>			
<u>PROVISIONAL SUMS ETC</u>			
<u>General</u>			
All prime cost and provisional amounts are net			
<u>Overheads and profit</u>			
The contractor may allow for overheads and profit if required in the item "Allow for overheads and profit" wherever indicated			
<u>Profit and general attendance upon selected subcontractors</u>			
The item "Allow for profit and general attendance" which follows each selected subcontractor, shall be deemed to allow for the contractor's profit if required and to cover all the contractor's costs incurred in providing free of charge to the selected subcontractors, the following:			
1. Access to the site and places where the subcontract work is to be carried out, including the reasonable use of any temporary personnel hoists erected by the contractor			
2. Hoisting of the subcontractor's material in batches that can be handled by the contractor's hoist or crane during normal working hours			
3. The provision of water and lighting and of single phase electric power to a position within 50m of the place where the subcontractor's work is to be carried out other than water, fuel and power for commissioning of any installation			
Carried Forward		R	
Section No. 5 PROVISIONAL SUMS Bill No. 1 PROVISIONAL SUMS C2: Pricing Data			

**APPOINTMENT OF A SUITABLE SERVICE PROVIDER FOR THE
REFURBISHMENT OF EXISTING BUILDINGS
AT
MAHIKENG MARKET**

			R
Brought Forward			
4.The provision of an area for the subcontractor to establish temporary office accommodation and workshops and for the storage of plant and materials and goods			
5.The use of erected scaffolding belonging to the contractor, along with others having the like right. Scaffolding will remain erected on site until all work which requires the use thereof has been completed			
6.The use of ablution facilities and the like, where provided			
7.The use of the site telecommunication facilities, where provided,subject to payment by the subcontractor for usage thereof			
8.Making good in all trades and cleaning down and removal of rubbish on completion			
<u>Preliminaries</u>			
The contractor is referred to the Preliminaries for further amplification of "Prime Cost Amounts"			
<u>PROVISIONAL AMOUNTS</u>			
<u>SELECTED SUBCONTRACTORS WORK</u>			
<u>PRE-PAID METERS</u>			
1 Provide the amount of R33 000.00 (Thirty-Three Thousand Rands excl VAT) for supply and delivery of pre-paid meters, executed complete.	Item		33,000.00
2 Add for profit upon above, if required.	Item		
3 Add for attendance the above, if required.	Item		
Carried Forward			R
Section No. 5 PROVISIONAL SUMS Bill No. 1 PROVISIONAL SUMS C2: Pricing Data			

**APPOINTMENT OF A SUITABLE SERVICE PROVIDER FOR THE
REFURBISHMENT OF EXISTING BUILDINGS
AT
MAHIKENG MARKET**

	Brought Forward		R
	<u>EARTHING AND LIGHTING PROTECTION SYSTEMS</u>		
4	Provide the amount of R18 000.00 (Eighteen Thousand Rands excl VAT) supply and installation of earthing and lighting protection systems, executed complete.	Item	18,000.00
5	Add for profit upon above, if required.	Item	
6	Add for attendance the above, if required.	Item	
	<u>STANDBY GENERATOR CONCRETE PLITH ONLY</u>		
7	Provide the amount of R11 000.00 (Eleven Thousand Rands excl VAT) for supply and installation of standby generator concrete plith only, executed complete.	Item	11,000.00
8	Add for profit upon above, if required.	Item	
9	Add for attendance the above, if required.	Item	
	<u>ELECTRONIC ACCESS CONTROL SYSTEMS</u>		
10	Provide the amount of R110 000.00 (One Hundred And Ten Thousand Rands excl VAT) for supply and installation of electronic access control system, executed complete.	Item	110,000.00
11	Add for profit upon above, if required.	Item	
12	Add for attendance the above, if required.	Item	
	<u>HEAVY DUTY GATE MOTOR</u>		
13	Provide the amount of R60 000.00 (Sixty Thousand Rands excl VAT) for design/specification, supply and installation of heavy duty gate motor, executed complete.	Item	60,000.00
14	Add for profit upon above, if required.	Item	
15	Add for attendance the above, if required.	Item	
	Carried Forward		R
	Section No. 5 PROVISIONAL SUMS Bill No. 1 PROVISIONAL SUMS C2: Pricing Data		

**APPOINTMENT OF A SUITABLE SERVICE PROVIDER FOR THE
REFURBISHMENT OF EXISTING BUILDINGS
AT
MAHIKENG MARKET**

	Brought Forward		R
<u>5kVA UPS UNIT</u>			
16	Provide the amount of R25 000.00 (Twenty-Five Thousand Rands excl VAT) for supply and installation of 5kVA UPS unit, executed complete.	Item	25,000.00
17	Add for profit upon above, if required.	Item	
18	Add for attendance the above, if required.	Item	
<u>CCTV SYSTEM</u>			
19	Provide the amount of R105 000.00 (One Hundred And Five Thousand Rands excl VAT) for supply and installation of CCTV systems, executed complete.	Item	105,000.00
20	Add for profit upon above, if required.	Item	
21	Add for attendance the above, if required.	Item	
<u>COVERED PARKING</u>			
22	Provide the amount of R150 000.00 (One Hundred And Fifty Thousand Rands excl VAT) for supply and installation of carports, executed complete.	Item	150,000.00
23	Add for profit upon above, if required.	Item	
24	Add for attendance the above, if required.	Item	
<u>SIGNAGE</u>			
25	Provide the amount of R80 000.00 (Eighty Thousand Rands excl VAT) for building signage, executed complete.	Item	80,000.00
26	Add for profit upon above, if required.	Item	
27	Add for attendance the above, if required.	Item	
Carried to Final Summary			R
Section No. 5 PROVISIONAL SUMS Bill No. 1 PROVISIONAL SUMS C2: Pricing Data			

**APPOINTMENT OF A SUITABLE SERVICE PROVIDER FOR THE
 REFURBISHMENT OF EXISTING BUILDINGS
 AT
 MAHIKENG MARKET**

Bill No	<u>SECTION SUMMARY - PROVISIONAL SUMS</u>	Page No	Amount
1	PROVISIONAL SUMS <u>PROVISIONAL SUMS FOR NOMINATED/SELECTED SUBCONTRACT WORKS</u>	98	
	Carried to Final Summary		R
	Section No. 5 PROVISIONAL SUMS C2: Pricing Data		

**APPOINTMENT OF A SUITABLE SERVICE PROVIDER FOR THE
REFURBISHMENT OF EXISTING BUILDINGS
AT
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Section No	<u>FINAL SUMMARY</u>	Page No	Amount
1	PRELIMINARIES	32	
2	BUILDING WORK	75	
3	EXTERNAL WORKS	78	
4	ELECTRICAL INSTALLATIONS	94	
5	PROVISIONAL SUMS	99	
	SUBTOTAL		R
	<u>CONTINGENCY AMOUNT</u>		
	Allow R700 000.00 (Seven Hundred Thousand Rands) as Contingency for any unforeseen events for use under the sole control of the Employer and upon approval by the Principal Agent, which may be deducted in whole or in part.	Item	
	SUBTOTAL		R
	VAT (15%)		R
	TOTAL		R
	Carried to Form of Tender		R
	C2: Pricing Data		