



LIMPOPO

PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF

PUBLIC WORKS, ROADS & INFRASTRUCTURE

TENDER NUMBER: LDPWRI- C/20428

**APPOINTMENT OF CONTRACTOR FOR THE REFURBISHMENT OF
VETERINARY LABORATORIES (MOKOPANE & LEPHALALE)
ON BEHALF OF THE LIMPOPO DEPARTMENT OF AGRICULTURE AND
RURAL DEVELOPMENT**

For the

DEPARTMENT OF PUBLIC WORKS, ROADS AND INFRASTRUCTURE

**THROUGH THE FRAMEWORK CONTRACT CATEGORY C
(4GB)**

Issued by:

Limpopo Department of Public Works, Roads and Infrastructure
Works Towers Building
43 Church Street
Polokwane
0700

Contact Person: General Queries

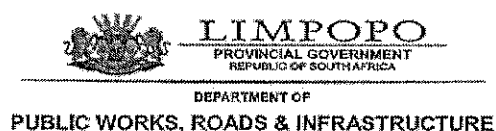
Name : Mr NN Mathako
Tel No. : 015 284 7126
Email : mathakon@dpw.limpopo.gov.za

Technical: Technical Queries

Name : Ms. Mhangwane V
Tel No. : 015 284 7375
Email : mhangwanev@dpw.limpopo.gov.za

Name of the Tenderer:.....





CONTENTS

THE TENDER

Part T1: Tendering procedures

- T1.1 Tender notice and invitation to tender
- T1.2 Tender data

Part T2: Returnable documents

- T2.1 List of returnable documents
- T2.2 Returnable schedules

THE CONTRACT

Part C1: Agreements and Contract data

- C1.1 Form of offer and acceptance
- C1.2 Contract data
- C1.3 Joint Venture Agreement (If Applicable)

Part C2: Pricing data

- C2.1 Part 1 - Pricing Instructions
- C2.2 Part 2 - Bills of Quantities

Part C3: Scope of Works

- C3.1 Special Notes to Tenderers
- C3.2: The Expanded Public Works Programme – Scope of Works

Part C4: The Expanded Public Works Programme – Particular Specification



LIMPOPO

PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

PART T1: TENDERING PROCEDURE

T1.1 Tender Notice and Invitation to Tender

The Limpopo Department of Public Works, Roads and Infrastructure invites tenderers from contractors appointed on the framework agreement on **Category C** for the **REFURBISHMENT OF VETERINARY LABORATORIES (MOKOPANE & LEPHALALE)**. It is estimated that tenderers must have a CIDB contractor grading designation of **4GB**.

Tenderers who can demonstrate that they will have in their employ staff which satisfy EPWP requirements during the contract validity (as set out in section C3.2 of the document) are eligible to submit tenders. **The minimum number of EPWP work opportunities expected from this project is 6.**

The conditions of the CIDB Standard for Indirect Targeting for Enterprise Development through Construction Works Contracts **Gazette Notice No. 36190 of 25 February 2013** will be applicable on this project.

Project Name	APPOINTMENT OF A CONTRACTOR FOR REFURBISHMENT OF VETERINARY LABORATORIES (MOKOPANE & LEPHALALE) for a period of 9 months.	
Tender Number	LDPWRI- B/20428	
Tender documents availability	Limpopo Department of Public Works, Roads and Infrastructure website	
Address for submission of tenders	DEPARTMENT OF PUBLIC WORKS, ROADS & INFRASTRUCTURE. Physical address: Corner River and Blaauwberg Streets, Ladanna, 0699. NOTE: Tenderers must submit both the physical printed tender document as well as a softcopy in a USB in the same envelope.	
Closing date of the tender	As per Tender invite	
Closing time of the tender	As per Tender invite	
Compulsory briefing meeting (<i>Tenderers must sign the attendance register in the name of the tendering entity. Addenda (if any) will be issued only to those tendering entities appearing on the attendance register</i>)	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
	Meeting venue	N/A
	Date	N/A
	Time:	N/A
Evaluation criteria	<ol style="list-style-type: none"> 1. Compliance with mandatory or compulsory requirements 2. Risk assessment on current projects 3. Price 4. Specific Goals 	
Mandatory or Compulsory Requirements (<i>failure to submit or comply with these requirements will lead to automatic disqualification</i>)	<p>Only tenderers who are appointed on Category C of the Limpopo Department of Public Works Roads and Infrastructure Framework Agreement for contractors registered with the Construction Industry Development Board (CIDB) with designation of 4 GB contractor grading designation determined in accordance with the sum tendered, or a value determined in accordance with Regulation 25 (1B) or 25(7A) of the Construction Industry Development Regulations are eligible to have their tenders evaluated</p> <p>Fully completed and signed Form of Offer</p>	

◦ T1.2 Tender Data

Clause number	Tender Data
	<p>The conditions of tender are the Standard Conditions of Tender as contained in Annex C of Board Notice 423 of 2019 in Government Gazette No. 42622 of 08 August 2019, Construction Industry Development Board (CIDB) Standard for Uniformity in Construction Procurement. (See www.cidb.org.za) which are reproduced without amendment or alteration for the convenience of tenderers as an Annex to this Tender Data.</p> <p>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 tender. Each item of data given below is cross-referenced to the clause in the Standard Conditions of Tender to which it mainly applies.</p> <p>The contractor shall achieve in the performance of the contract the Contract Participation Goals (CPG) relating to the engagement of targeted enterprises as established in the CIDB Standard for Indirect Targeting for Enterprise Development through Construction Works Contracts Gazette Notice No. 36190 of 25 February 2013. In this case, contractor shall provide a minimum Contract Participation Goal (CPG) of 5% of the total project value and develop targeted enterprises stated under C3 of this document.</p> <p>The following variations, amendments and additions to the Standard Conditions of Tender as set out in the Tender Data below shall apply to this tender. Add the following to clauses in Standard Conditions of Tender:</p>
C.1.1	The Employer is the Department of Public Works, Roads and Infrastructure
C.1.2	<p>The Tender Part T1: Tendering procedures T1.1 Tender notice and invitation to tender T1.2 Tender data</p> <p>Part T2: Returnable documents T2.1 List of returnable documents T2.2 Returnable schedules</p> <p>The Contract Part C1: Agreements and contract data C1.1 Form of offer and acceptance C1.2 Contract data C1.3 Joint Venture Agreement (If Applicable)</p> <p>The Contract Part C2: Pricing data C2.1 Pricing instructions C2.2 Bills of Quantities</p> <p>Part 3: Scope of work C3.1 Special Notes to Tenderers C3.2 The Expanded Public Works Programme – Scope of Works</p> <p>Part C4: The Expanded Public Works Programme – Particular Specification</p>

TENDER NO.: LDPWRI-20428 - APPOINTMENT OF CONTRACTOR FOR THE REFURBISHMENT OF VETERINARY LABORATORIES (MOKOPANE & LEPHALALE)

C.1.4	<p>All communications related to this tender should be directed to the persons indicated under Enquires on this tender document.</p> <p>Attention is also drawn to the fact that verbal information, given by the Employer's agent during site visits/clarification meetings or at any other time prior to the award of the Contract, will not be regarded as binding on the Employer. Only information issued formally by the Employer in writing to tenderers will be regarded as amending the Tender Documents.</p>
C.1.5	The employer reserve to cancel the tender prior to the award of the tender.
C.2.1	<p>Eligibility in respect of CIDB grading</p> <p>Only tenderers who are appointed on framework agreement Category C and registered with the Construction Industry Development Board (CIDB) with designation of 4GB contractor grading designation determined in accordance with the sum tendered, or a value determined in accordance with Regulation 25 (1B) or 25(7A) of the Construction Industry Development Regulations, are eligible to have their tenders evaluated.</p>
C2.2	<p>Cost of tendering</p> <p>The tenderer accept that, unless otherwise stated in the tender data, 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>
C.2.7	<p>Compulsory site briefing</p> <p>A compulsory briefing meeting will NOT be held.</p>
C.2.11	<p>Alterations to the documents</p> <p>Tenderers are required to not make any alterations or additions to the tender documents, except to comply with instructions issued by the employer, or necessary to correct errors made by the tenderer. All signatories to the tender offer shall initial all such alterations</p>
C.2.12	<p>Alternative tender offer</p> <p>No alternative tender offer is permitted in this tender.</p>
C.2.13.2	<p>Replace sub-clause C.2.13.2 with the following;</p> <p>Return all returnable documents to the employer after completing them in their entirety by writing in non-erasable black ink</p>
C.2.13.3	Parts of each tender offer communicated on paper shall be submitted as an original
C.2.13.4	The tender shall be signed by a person duly authorized to do so.
C.2.13.5	<p>The employer's details and address for delivery of tender offers and identification details that are to be shown on each tender offer package are:</p> <p>Location of tender box: DEPARTMENT OF PUBLIC WORKS, ROADS & INFRASTRUCTURE. Physical address: Corner River and Blaauwberg Streets, Ladanna, 0699 Identification details: Sealed Tender with Tender reference number, Title of Tender and the closing date and time of the tender.</p> <p>NOTE: Tenderers must submit both the physical printed tender document as well as a softcopy in a USB in the same envelope.</p>

TENDER NO.: LDPWRI-20428 - APPOINTMENT OF CONTRACTOR FOR THE REFURBISHMENT OF VETERINARY LABORATORIES (MOKOPANE & LEPHALALE)

C.2.15.1	The closing time for submission of tender offers is as stated in the Tender Notice and Invitation to Tender. Telephonic, telegraphic, telex, facsimile or e-mailed tender offers will not be accepted.
C.2.16.1	The tender offer validity period is 16 weeks or 120 days .
C.2.16.2	The tender accepts that a tender submission that has been submitted to the employer may only be withdrawn or substituted by giving the employer's agent written notice before the closing time for tenders that a tender is to be withdrawn or substituted. If the validity period stated in C.2.16 lapses before the employer-evaluating tender, the contractor reserves the right to review the price based on Consumer Price Index (CPI).
C.3.1	<p>The tenderer is required to indicate how they claim points for each preference point system and attached relevant supporting documents. The specific goals for claiming of preference points include the following:</p> <ul style="list-style-type: none"> - Persons who had no franchise in national elections prior to 1983 and 1993 - Attach Directors 's certified copy of South African ID & CK - Promotion of Women owned enterprises - Attach Director's certified copy of South African ID & CK - Disabled persons - Attach letter/medical certificate from Healthcare Professional - Promotion of SMMEs - Attach latest Financial Statement - Enterprise located in Limpopo Province - Attach proof of Enterprise Address/Lease agreement - Promotion of youth - Attach Directors 's certified copy of South African ID - South African owned enterprises - Attach Directors 's certified copy of South African ID & CK <p>NOTE: The means of verification as indicated in bold above MUST BE SUBMITTED in order for the claimed points to be awarded.</p>
	<p>CIDB Grading Certificate</p> <p>Tenders are required to provide proof of registration with the CIDB register of contractors indicating the category of registration, grading as well as the CRS number of the tenderer.</p> <p>Letter of Good Standing</p> <p>Tender are required to submit, bound with the tender submission, a letter of good from the Compensation commissioner indicating that the tenderer is in good standing.</p>
C3.2	Notwithstanding any requests for confirmation of receipt of Addenda issued, the tenderer shall be deemed to have received such addenda if the employer can show proof of transmission thereof (or a notice in respect thereof) via electronic mail, facsimile or registered post.
C.3.2.1	Tenders will not be opened immediately after the closing time for tenders.

C.3.2.2	<p>The tenderers will be evaluated in 2 stages</p> <ul style="list-style-type: none"> (i) Stage 1: Compliance with mandatory requirements as stated in Part T1.1, and : Risk assessment on current projects (ii) Stage 2: Price and Specific Goals <p>The technical capacity (functionality) of the contractors will not be evaluated any further during evaluation of the RFQ. However, the contractors will be required to declare the status of their key staff and any administrative compliance. In cases where there are changes in the key staff, the contractor should provide CVs and qualifications of the new staff to LDPWR&I. The new staff should have similar skills, qualifications and experience as the staff submitted during tender. Similarly, the contractors will be expected to provide an update on any changes in their administrative compliances – and should submit the required SBD document in such cases.</p> <p>The award will only be issued to contractors with valid Tax Clearance certificates, active CIDB grading and the contractor who meets all the legislative requirement – this shall be verified by SCM in line with the departmental SCM Policy.</p> <p>The total value of current projects for a contractor under consideration cannot exceed the twice the maximum value of their relevant CIDB grade.</p> <p>a) Stage 1: Administrative Compliance: The Compliance or compulsory documents and returnable are detailed in Section T.2.1 of this tender document. Failure to submit, complete or comply with these requirements will lead to automatic disqualification.</p> <p>Risk assessment on current projects: The total value of current projects for a contractor under consideration cannot exceed the twice the maximum value of their relevant CIDB grade.</p> <p>b) Stage 2: Price and Preference:</p> <p>The procedure for final evaluation of responsive tenders is Method 2 (Financial offer and preference). The total number of tender evaluation points (T_{EV}) shall be determined in accordance with the following formula.</p> $T_{EV} = N_{FO} + N_P$ <p>N_{FO} is the number of tender evaluation points awarded for the financial offer made. The score for financial offer is calculated using the following formula:</p> $P = A * \left(1 - \frac{(P_o - P_m)}{P_m} \right)$ <p>Where:</p> <p>A is 80 since the estimated financial value of works inclusive of VAT is equals or is less than R 50,000,000.00.</p> <p>P is the points awarded to the tender under consideration</p> <p>P_m is the lowest Comparative tender price</p> <p>P_o is the comparative price under consideration</p> <p>N_P is the number of tender evaluation points awarded for preferences claimed in accordance with the Preferencing Schedule in 3.18</p>
---------	--

TENDER NO.: LDPWRI-20428 - APPOINTMENT OF CONTRACTOR FOR THE REFURBISHMENT OF VETERINARY LABORATORIES (MOKOPANE & LEPHALALE)

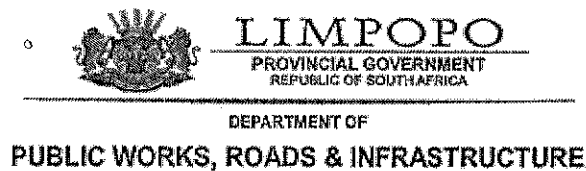
Proof of Availability of Staff with Labour Intensive Competencies	Only those tenderers who can demonstrate that they will have in their employ management and supervisory staff satisfying the requirement of the scope of work for labour-intensive competencies for supervisory and management staff during the validity of the contract are eligible to submit tenders. Refer to section C3.2 and C4 of this document.
Requirement for submission of names of Labour Intensive staff	The tenderer must submit to the Employer, names of all management and supervisory staff that will be employed to supervise the labour-intensive portion of the works together with satisfactory evidence that such staff members satisfy eligibility requirements.



LIMPOPO
PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

PART T2: RETURNABLE DOCUMENTS



T2.1 : LIST OF RETURNABLE DOCUMENTS

The following documents MUST be submitted documents submitted by the Contractors as part of the tender document:

- 2.1 Fully Completed and signed Form of Offer.
- 2.2 Bills of Quantities - P's and G's are to have a summarized lump sum total, the BOQ to be filled in full in black ink.
- 2.3 Declaration on the Status of Administrative Compliance - Completed and Signed
- 2.4 Signed Record of Addenda to tender documents (if applicable)
- 2.5 SBD 1 – Completed and signed
- 2.6 SBD 6.1 – Completed and signed
- 2.7 Declaration of current projects
- 2.8 Valid CIDB grading certificate
- 2.9 CSD Report
- 2.10 JV Agreement (if applicable)

The following will render the tenderer's proposal not responsive and will not be considered:

- I. Failure by the tenderer to submit or complete item 2.1 and 2.2
- II. The tenderer who appears on National Treasury's list of black listed entities.



LIMPOPO
PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

T 2.2: RETURNABLE SCHEDULE

	Document Name	Returnable document
1.	Form of Offer	<input type="checkbox"/> Yes <input type="checkbox"/> No
2.	Bills of Quantities	<input type="checkbox"/> Yes <input type="checkbox"/> No
3.	Declaration on the Status of Administrative Compliance	<input type="checkbox"/> Yes <input type="checkbox"/> No
4.	Record of Addenda	<input type="checkbox"/> Yes <input type="checkbox"/> No
5.	SBD 1	<input type="checkbox"/> Yes <input type="checkbox"/> No
6.	SBD 6.1	<input type="checkbox"/> Yes <input type="checkbox"/> No
7.	Declaration of Current Projects	<input type="checkbox"/> Yes <input type="checkbox"/> No
8.	CIDB Grading Certificate: 3GB or higher	<input type="checkbox"/> Yes <input type="checkbox"/> No
9.	CSD Report	<input type="checkbox"/> Yes <input type="checkbox"/> No
10.	JV Agreement (if applicable)	<input type="checkbox"/> Yes <input type="checkbox"/> No



LIMPOPO
PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

Declaration on the status of administrative compliance

Please indicate, by circling either Yes or No, whether the administrative information submitted with the original framework tender documents has changed or not. If yes, kindly provide the particulars below with any supporting documents.

.....

.....

.....

.....

Signed _____ Date _____

Name _____ Position _____

Tenderer _____



LIMPOPO
PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

Record of Addenda to tender documents

We confirm that the following communications received from the Employer before the submission of this tender offer, amending the tender documents, have been taken into account in this tender offer:

	Date	Title or Details
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		

Attach additional pages if more space is required.

Signed _____ Date _____

Name _____ Position _____

Tenderer _____



LIMPOPO
PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

Proposed amendments and qualifications

The Tenderer should record any deviations or qualifications he may wish to make to the tender documents in this Returnable Schedule. Alternatively, a tenderer may state such deviations and qualifications in a covering letter to his tender and reference such letter in this schedule.

Page	Clause or Item	Proposal

Signed _____ Date _____

Name _____ Position _____

Tenderer _____

The Tenderer's attention is drawn to clause 5.8 of SANS 10845-3 regarding the employer's handling of material deviations and qualifications.

SBD 1

PART A: INVITATION TO TENDER

YOU ARE HEREBY INVITED TO TENDER FOR REQUIREMENTS OF THE LIMPOPO DEPARTMENT OF PUBLIC WORKS, ROADS AND INFRASTRUCTURE					
TENDER NUMBER:	LDPWRI-B/20428	CLOSING DATE	As per Tender Advert	CLOSING TIME:	11:00am
DESCRIPTION	TENDER NO.: LDPWRI-20428 – APPOINTMENT OF A CONTRACTOR FOR REFURBISHMENT OF VETERINARY LABORATORIES (MOKOPANE & LEPHALALE)				
TENDER RESPONSE DOCUMENTS MAY BE DEPOSITED IN THE TENDER BOX SITUATED AT (STREET ADDRESS):					
DEPARTMENT OF PUBLIC WORKS, ROADS & INFRASTRUCTURE.					
Physical address: Corner River and Blaauwberg Streets, Ladanna, 0699.					
TENDERING PROCEDURE ENQUIRIES MAY BE DIRECTED TO					
CONTACT PERSON	Mr. NN Mathako				
TELEPHONE NUMBER	0152847126	E-MAIL ADDRESS	mathakon@dpw.limpopo.gov.za		
CONTACT PERSON (TECHNICAL)	Ms. Mhangwane V				
TELEPHONE NUMBER	015 284 7375	E-MAIL ADDRESS	mhangwanev@dpw.limpopo.gov.za		
SUPPLIER INFORMATION					
NAME OF TENDERER					
POSTAL ADDRESS					
STREET ADDRESS					
TELEPHONE NUMBER	CODE		NUMBER		
CELLPHONE NUMBER					
E-MAIL ADDRESS					
VAT REGISTRATION NUMBER					
SUPPLIER COMPLIANCE STATUS	TAX COMPLIANCE SYSTEM PIN:		OR	CENTRAL SUPPLIER DATABASE No:	MAAA
ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS /SERVICES /WORKS OFFERED?	<input type="checkbox"/> Yes <input type="checkbox"/> No [IF YES ENCLOSE PROOF]		ARE YOU A FOREIGN BASED SUPPLIER FOR THE GOODS /SERVICES /WORKS OFFERED?	<input type="checkbox"/> Yes <input type="checkbox"/> No [IF YES, ANSWER THE QUESTIONNAIRE BELOW]	
QUESTIONNAIRE TO TENDERING FOREIGN SUPPLIERS					
IS THE ENTITY A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)?				<input type="checkbox"/> YES <input type="checkbox"/> NO	
DOES THE ENTITY HAVE A BRANCH IN THE RSA?				<input type="checkbox"/> YES <input type="checkbox"/> NO	
DOES THE ENTITY HAVE A PERMANENT ESTABLISHMENT IN THE RSA?				<input type="checkbox"/> YES <input type="checkbox"/> NO	
DOES THE ENTITY HAVE ANY SOURCE OF INCOME IN THE RSA?				<input type="checkbox"/> YES <input type="checkbox"/> NO	
IS THE ENTITY LIABLE IN THE RSA FOR ANY FORM OF TAXATION?				<input type="checkbox"/> YES <input type="checkbox"/> NO	
IF THE ANSWER IS "NO" TO ALL OF THE ABOVE, THEN IT IS NOT A REQUIREMENT TO REGISTER FOR A TAX COMPLIANCE STATUS SYSTEM PIN CODE FROM THE SOUTH AFRICAN REVENUE SERVICE (SARS) AND IF NOT REGISTER AS PER 2.3 BELOW.					

PART B: TERMS AND CONDITIONS FOR TENDERING

1. TENDER SUBMISSION:	
1.1.	TENDERS MUST BE DELIVERED BY THE STIPULATED TIME TO THE CORRECT ADDRESS. LATE TENDERS WILL NOT BE ACCEPTED FOR CONSIDERATION.
1.2.	ALL TENDERS MUST BE SUBMITTED ON THE OFFICIAL FORMS PROVIDED-(NOT TO BE RE-TYPED) OR IN THE MANNER PRESCRIBED IN THE TENDER DOCUMENT.
1.3.	THIS TENDER IS SUBJECT TO THE PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT, 2000 AND THE PREFERENTIAL PROCUREMENT REGULATIONS, 2017, THE GENERAL CONDITIONS OF CONTRACT (GCC) AND, IF APPLICABLE, ANY OTHER SPECIAL CONDITIONS OF CONTRACT.
1.4.	THE SUCCESSFUL TENDERER WILL BE REQUIRED TO FILL IN AND SIGN A WRITTEN CONTRACT FORM (SBD7).
2. TAX COMPLIANCE REQUIREMENTS	
2.1	TENDERERS MUST ENSURE COMPLIANCE WITH THEIR TAX OBLIGATIONS.
2.2	TENDERERS ARE REQUIRED TO SUBMIT THEIR UNIQUE PERSONAL IDENTIFICATION NUMBER (PIN) ISSUED BY SARS TO ENABLE THE ORGAN OF STATE TO VERIFY THE TAXPAYER'S PROFILE AND TAX STATUS.
2.3	APPLICATION FOR TAX COMPLIANCE STATUS (TCS) PIN MAY BE MADE VIA E-FILING THROUGH THE SARS WEBSITE WWW.SARS.GOV.ZA.
2.4	TENDERERS MAY ALSO SUBMIT A PRINTED TCS CERTIFICATE TOGETHER WITH THE TENDER.
2.5	IN TENDERS WHERE CONSORTIA / JOINT VENTURES / SUB-CONTRACTORS ARE INVOLVED, EACH PARTY MUST SUBMIT A SEPARATE TCS CERTIFICATE / PIN / CSD NUMBER.
2.6	WHERE NO TCS PIN IS AVAILABLE BUT THE TENDERER IS REGISTERED ON THE CENTRAL SUPPLIER DATABASE (CSD), A CSD NUMBER MUST BE PROVIDED.
2.7	NO TENDERS WILL BE CONSIDERED FROM PERSONS IN THE SERVICE OF THE STATE, COMPANIES WITH DIRECTORS WHO ARE PERSONS IN THE SERVICE OF THE STATE, OR CLOSE CORPORATIONS WITH MEMBERS PERSONS IN THE SERVICE OF THE STATE."

NB: FAILURE TO PROVIDE / OR COMPLY WITH ANY OF THE ABOVE PARTICULARS MAY RENDER THE TENDER INVALID.

SIGNATURE OF TENDERER:

.....

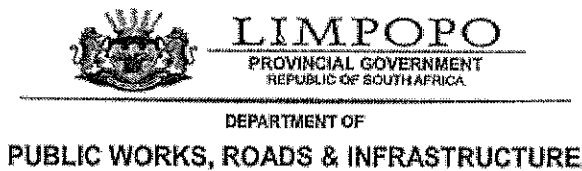
CAPACITY UNDER WHICH THIS TENDER IS SIGNED:

.....

(Proof of authority must be submitted e.g. company resolution)

DATE:

.....



SBD 6.1

PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL PROCUREMENT REGULATIONS 2022

This preference form must form part of all tenders invited. It contains general information and serves as a claim form for preference points for specific goals.

NB: BEFORE COMPLETING THIS FORM, TENDERERS MUST STUDY THE GENERAL CONDITIONS, DEFINITIONS AND DIRECTIVES APPLICABLE IN RESPECT OF THE TENDER AND PREFERENTIAL PROCUREMENT REGULATIONS, 2022

1. GENERAL CONDITIONS

1.1 The following preference point systems are applicable to invitations to tender:

- the 80/20 system for requirements with a Rand value of up to R50 000 000 (all applicable taxes included); and
- the 90/10 system for requirements with a Rand value above R50 000 000 (all applicable taxes included).

1.2 To be completed by the organ of state

- a) The applicable preference point system for this tender is the **80/20** preference point system.

1.3 Points for this tender (even in the case of a tender for income-generating contracts) shall be awarded for:

- (a) Price; and
- (b) Specific Goals.

1.4 To be completed by the organ of state:

The maximum points for this tender are allocated as follows:

	POINTS
PRICE	80
SPECIFIC GOALS	20
Total points for Price and SPECIFIC GOALS	100

- 1.5 Failure on the part of a tenderer to submit proof or documentation required in terms of this tender to claim points for specific goals with the tender, will be interpreted to mean that preference points for specific goals are not claimed.
- 1.6 The organ of state reserves the right to require of a tenderer, either before a tender is adjudicated or at any time subsequently, to substantiate any claim in regard to preferences, in any manner required by the organ of state.

2. DEFINITIONS

- (a) **“tender”** means a written offer in the form determined by an organ of state in response to an invitation to provide goods or services through price quotations, competitive tendering process or any other method envisaged in legislation;
- (b) **“price”** means an amount of money tendered for goods or services, and includes all applicable taxes less all unconditional discounts;
- (c) **“rand value”** means the total estimated value of a contract in Rand, calculated at the time of tender invitation, and includes all applicable taxes;
- (d) **“tender for income-generating contracts”** means a written offer in the form determined by an organ of state in response to an invitation for the origination of income-generating contracts through any method envisaged in legislation that will result in a legal agreement between the organ of state and a third party that produces revenue for the organ of state, and includes, but is not limited to, leasing and disposal of assets and concession contracts, excluding direct sales and disposal of assets through public auctions; and
- (e) **“the Act”** means the Preferential Procurement Policy Framework Act, 2000 (Act No. 5 of 2000).

3. FORMULAE FOR PROCUREMENT OF GOODS AND SERVICES

3.1. POINTS AWARDED FOR PRICE

3.1.1 THE 80/20 OR 90/10 PREFERENCE POINT SYSTEMS

A maximum of 80 or 90 points is allocated for price on the following basis:

$$Ps = 80 \left(1 - \frac{Pt - P_{min}}{P_{min}} \right) \text{ or } Ps = 90 \left(1 - \frac{Pt - P_{min}}{P_{min}} \right)$$

80/20 or 90/10

Where

Ps = Points scored for price of tender under consideration
 Pt = Price of tender under consideration
 Pmin = Price of lowest acceptable tender

3.2. FORMULAE FOR DISPOSAL OR LEASING OF STATE ASSETS AND INCOME GENERATING PROCUREMENT

3.2.1. POINTS AWARDED FOR PRICE

A maximum of 80 or 90 points is allocated for price on the following basis:

$$Ps = 80 \left(1 + \frac{Pt - P_{max}}{P_{max}} \right) \text{ or } Ps = 90 \left(1 + \frac{Pt - P_{max}}{P_{max}} \right)$$

80/20 or 90/10

Where

Ps = Points scored for price of tender under consideration
 Pt = Price of tender under consideration
 Pmax = Price of highest acceptable tender

4. POINTS AWARDED FOR SPECIFIC GOALS

- 4.1. In terms of Regulation 4(2); 5(2); 6(2) and 7(2) of the Preferential Procurement Regulations, preference points must be awarded for specific goals stated in the tender. For the purposes of this tender the tenderer will be allocated points based on the goals stated in table 1 below as may be supported by proof/ documentation stated in the conditions of this tender:
- 4.2. In cases where organs of state intend to use Regulation 3(2) of the Regulations, which states that, if it is unclear whether the 80/20 or 90/10 preference point system applies, an organ of state must, in the tender documents, stipulate in the case of—
- (a) an invitation for tender for income-generating contracts, that either the 80/20 or 90/10 preference point system will apply and that the highest acceptable tender will be used to determine the applicable preference point system; or
 - (b) any other invitation for tender, that either the 80/20 or 90/10 preference point system will apply and that the lowest acceptable tender will be used to determine the applicable preference point system,
- then the organ of state must indicate the points allocated for specific goals for both the 90/10 and 80/20 preference point system.

Table 1: Specific goals for the tender and points claimed are indicated per the table below.

Note to organs of state: Where either the 90/10 or 80/20 preference point system is applicable, corresponding points must also be indicated as such.

Note to tenderers: The tenderer must indicate how they claim points for each preference point system.)

The specific goals allocated points in terms of this tender	Number of points allocated (90/10 system) (To be completed by the organ of state)	Number of points allocated (80/20 system) (To be completed by the organ of state)	Number of points claimed (90/10 system) (To be completed by the tenderer)	Number of points claimed (80/20 system) (To be completed by the tenderer)
Persons who had no franchise in national elections prior to 1983 and 1993	-	6	-	
Promotion of Women owned enterprises	-	3	-	
Disabled persons	-	2	-	
Promotion of SMMEs	-	2	-	
Enterprises located in Limpopo Province	-	4	-	
Promotion of youth	-	1	-	
South African owned enterprises	-	2	-	

DECLARATION WITH REGARD TO COMPANY/FIRM

4.3. Name of company/firm.....

4.4. Company registration number:

4.5. TYPE OF COMPANY/ FIRM [TICK APPLICABLE BOX]

- ☐ Partnership/Joint Venture / Consortium
- ☐ One-person business/sole propriety
- ☐ Close corporation
- ☐ Public Company
- ☐ Personal Liability Company
- ☐ (Pty) Limited

- ☐ Non-Profit Company
- ☐ State Owned Company

4.6. I, the undersigned, who is duly authorised to do so on behalf of the company/firm, certify that the points claimed, based on the specific goals as advised in the tender, qualifies the company/ firm for the preference(s) shown and I acknowledge that:

- i) The information furnished is true and correct;
- ii) The preference points claimed are in accordance with the General Conditions as indicated in paragraph 1 of this form;
- iii) In the event of a contract being awarded as a result of points claimed as shown in paragraphs 1.4 and 4.2, the contractor may be required to furnish documentary proof to the satisfaction of the organ of state that the claims are correct;
- iv) If the specific goals have been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the organ of state may, in addition to any other remedy it may have –
 - (a) disqualify the person from the tendering process;
 - (b) recover costs, losses or damages it has incurred or suffered as a result of that person's conduct;
 - (c) cancel the contract and claim any damages which it has suffered as a result of having to make less favourable arrangements due to such cancellation;
 - (d) recommend that the tenderer or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, be restricted from obtaining business from any organ of state for a period not exceeding 10 years, after the *audi alteram partem* (hear the other side) rule has been applied; and
 - (e) forward the matter for criminal prosecution, if deemed necessary.

.....
SIGNATURE(S) OF TENDERER(S)

SURNAME AND NAME:

DATE:

ADDRESS:

.....

.....

**DECLARATION OF CURRENT PROJECTS**

Current value refers to current value of projects for both General Building (GB) and Civil Engineering (CE).

Please list the current projects which your company is busy executing in the table below. If no projects at the moment the tenderer must indicate/write on this table.

Table 1 List of current projects executed by the tenderer

- Do you have the current projects being executed ☐ YES ☐ NO (Tenderer **MUST** Tick One)
- If Yes, please indicate the details on the table below. Please note that it is **compulsory** to answer the question and if the answer is yes, tenderers **MUST** complete the table (do not write "refer to attachments"). If the question not answered or the table not completed the points will not be allocated.

Project Description	Project Value	Start Date	Planned End Date	Client Name	Contact Person Contact Number

TENDER NO.: LDPWRI-20428 - APPOINTMENT OF CONTRACTOR FOR THE REFURBISHMENT OF VETERINARY LABORATORIES (MOKOPANE & LEPHALALE)

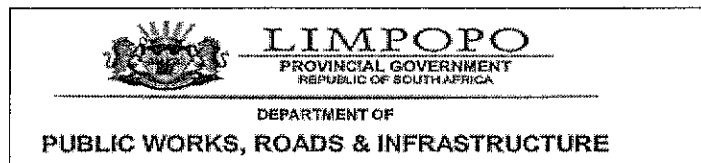
Project Description	Project Value	Start Date	Planned End Date	Client Name	Contact Person Contact Number



LIMPOPO
PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

PART C1: AGREEMENT AND CONTRACT DATA



C1.1. FORM OF OFFER AND ACCEPTANCE

Offer

The employer, identified in the acceptance signature block, has solicited offers to enter into a contract in respect of the following works:

TENDER NO.: LDPWRI-20428 – APPOINTMENT OF A CONTRACTOR FOR REFURBISHMENT OF VETERINARY LABORATORIES (MOKOPANE & LEPHALALE)

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

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

THE OFFERED TOTAL OF THE PRICE INCLUSIVE OF VALUE ADDED TAX IS (CONTRACT PRICE)

Rand (in words); R.....

.....

(in figures) R.....

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

Signature(s)

Name(s)

Capacity

For the tenderer:

Name & signature of witness Date

Acceptance (To be completed by the employer – not the tenderer)

By signing this part of this Form of Offer and Acceptance, the *Employer* identified below accepts the tenderer's Offer. In consideration thereof, the *Employer* shall pay the Consultant the amount due in accordance with the *conditions of contract* identified in the Contract Data. Acceptance of the tenderer's Offer shall form an agreement between the *Employer* and the tenderer upon the terms and conditions contained in this agreement and in the contract that is the subject of this agreement.

The terms of the contract, are contained in:

Part C1	Agreements and Contract Data, (which includes this Form of Offer and Acceptance)
Part C2	Pricing Data
Part C3	Scope of Work

and drawings and documents (or parts thereof), which may be incorporated by reference into the above listed Parts.

Deviations from and amendments to the documents listed in the Tender Data and any addenda thereto listed in the Returnable Schedules as well as any changes to the terms of the Offer agreed by the tenderer and the *Employer* during this process of offer and acceptance, are contained in the Schedule of Deviations attached to and forming part of this Form of Offer and Acceptance. No amendments to or deviations from said documents are valid unless contained in this Schedule.

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

Notwithstanding anything contained herein, this agreement comes into effect on the date when the tenderer receives one fully completed original copy of this document, including the Schedule of Deviations (if any). Unless the tenderer (now *Consultant*) within five working days of the date of such receipt notifies the *Employer* in writing of any reason why he cannot accept the contents of this agreement, this agreement shall constitute a binding contract between the Parties.

For the Employer

Signature

Name

Capacity

Name and address of organization

Signature and Name of Witness

Signature

Name

Capacity

Schedule of Deviations

1 Subject

Details

.....

.....

.....

.....

2 Subject

Details

.....

.....

.....

.....

3 Subject

Details

.....

.....

.....

.....

4 Subject

Details

.....

.....

.....

.....

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

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

.....



LIMPOPO
PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

C1.2 CONTRACT DATA

The Conditions of Contract are clauses 1 to 41 of the **JBCC Series 2000 Principal Building Agreement (Edition 6.2 May 2018)** published by the Joint Building Contracts Committee.

Copies of these conditions of contract may be obtained from the Association of South African Quantity Surveyors (011-3154140), Master Builders Association (011-205-9000; 057- 3526269) South African Association of Consulting Engineers (011-4632022) or South African Institute of Architects (051-4474909; 011-4860684; 053-8312003;)

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.

The contractor shall achieve in the performance of the contract the Contract Participation Goals (CPG) relating to the engagement of targeted enterprises as established in the **CIDB Standard for Indirect Targeting for Enterprise Development through Construction Works Contracts Gazette Notice No. 36190 of 25 February 2013.**"

Payment for labour Intensive Component of Works

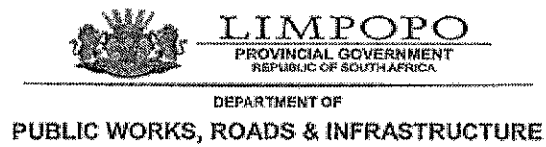
Payment for works identified in the Scope of Works as being labour-intensive shall only be made in accordance with the provisions of the Contract if the works are constructed strictly in accordance with the provisions of the Scope of Work. Any payment for such works shall not relieve the Contractor in any way from his obligations either in contract or in delict.

Linkage of Payment to Submission of Project Data

The Contractor's payment invoices shall be accompanied by labour information for the corresponding period in a format specified by the employer. If the contractor chooses to delay submitting payment invoices, labour returns shall still be submitted as per frequency and timeframe stipulated by the Employer. The contractor's invoices shall not be paid until all pending labour information has been submitted.

Applicable Labour Laws

The current Ministerial Determination (also downloadable at www.epwp.gov.za), Expanded Public Works Programmes, issued in terms of the Basic Condition of Employment Act of 1997 by the Minister of Labour in Government Notice, shall apply to works described in the scope of work as being labour-intensive and which are undertaken by unskilled workers.



PART C2: PRICING DATA



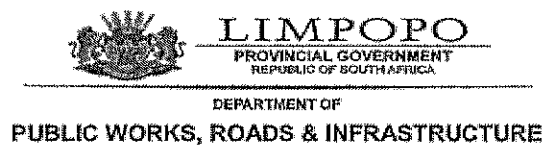
LIMPOPO
PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF

PUBLIC WORKS, ROADS & INFRASTRUCTURE

C2.1 Pricing Instruction

- The Bills of Quantities have been drawn up in accordance with the Standard System of Measuring Building Work in accordance with the provisions of the Model Bills of Quantities or Electrical Work, published by the South African Association of Quantity Surveyors, (July, 2005).
- The agreement is under the JBCC N/S Subcontractor Agreement for use with the JBCC PBA (Edition 4.1 code 2101 March 2005) form of contract with Preliminaries (Code 2103 May 2005) incorporating the State Provisions of cl 41.0.
- It will be assumed that prices included in the Bills of Quantities are based on Acts, Ordinances, Regulations, By-laws, International Standards and National Standards that were published 28 days before the closing date for tenders.
- The prices and rates in these Bills of Quantities are fully inclusive prices for the work described under the items. Such prices and rates cover all costs and expenses that may be required in and for the execution of the work described in accordance with the provisions of the Scope of Work, and shall cover the cost of all general risks, liabilities, and obligations set forth or implied in the Contract Data, as well as overhead charges and profit. These prices will be used as a basis for assessment of payment for additional work that may have to be carried out.
- An item against which no price is entered will be considered to be covered by the other prices or rates in the Bills of Quantities. A single lump sum will apply should a number of items be grouped together for pricing purposes.
- 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 Bills of Quantities.
- The Bills of Quantities is not intended for the ordering of materials. Any ordering of materials, based on the Bills of Quantities, is at the Contractor's risk.
- The shall set a minimum of 5 % of the project value for sub-contractor determine the amount to be paid for the Contract Participation Goal (CPG).
- Those parts of the contract to be constructed using labour-intensive methods have been marked in the bill of quantities with the letters LI in a separate column or as a prefix or suffix against every item so designated. The works, or parts of the works so designated are to be constructed using labour-intensive methods only. The use of plant to provide such works, other than plant specifically provided for in the scope of works, is a deviation from the contract. The items marked with the letters 'LI' are not necessarily an exhaustive list of all the activities, which must be done by hand, and this clause does not over-ride any of the requirements in the generic labour-intensive specification in the Scope of Works.
- Where minimum labour intensity is specified by the design the contractor is expected to use their initiative to identify additional activities that can be done labour-intensively in order to comply with the set minimum labour intensity target.
- Payment for items which are designated to be constructed labour-intensively (either in this schedule or in the scope of works) will not be made unless they are constructed using labour-intensive methods. Any unauthorised use of plant to carry out work, which was to be done labour-intensively will not be condoned, and any works so constructed will not be certified for payment.



PART C2.2: BILLS OF QUANTITIES



LIMPOPO

PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

PART C3 SCOPE OF WORKS

Section No	FINAL TENDER SUMMARY	AMOUNT
1	BILL 1 - LEPHALALE LABORATORY (INCL. VAT)	
2	BILL 2 - MOKOPANE LABORATORY (INCL. VAT)	
	TOTAL CARRIED TO FORM OF OFFER	
	SUMMARY	

BILL 1

LEPHALALE LABORATORY

Item No	Quantity	Rate	Amount
<u>SECTION NO 1</u>			
<u>BILL NO. 1</u>			
<u>PRELIMINARIES</u>			
<u>PRELIMINARIES</u>			
All prices/rates to be net, excluding Value Added Tax			
<u>General</u>			
i)		The agreement is to be the JBCC Series 2000 Principal Building Agreement (Edition 4.1) prepared by the Joint Building Contracts Committee, March 2005	
ii)		The preliminaries are to be the JBCC Series 2000 Preliminaries prepared by the Joint Building Contracts Committee, March 2005 edition and shall be deemed to be incorporated herein	
iv)		Where standard clauses or alternatives are not entirely applicable to this contract such modifications, corrections or supplements as will apply are given under each relevant clause heading	
iii)		Tenderers are referred to the abovementioned documents for the full intent and meaning of each clause thereof (hereinafter referred to by heading and clause number only) for which such allowance must be made as may be considered necessary	
v)		Where any item is not relevant to this specific contract such item is marked N/A (signifying "not applicable")	
Carried to Collection			R
Section No. 1 PRELIMINARIES Bill No. 1 PRELIMINARIES & GENERAL			

- vi) If Alternative A as set out in clause B10.3 hereinafter is to be used for the adjustment of the preliminaries each item priced is to be allocated to one or more of the three categories, where "F" denotes a fixed amount (amount not to be varied), "V" denotes an amount variable in proportion to value and "T" denotes an amount in proportion to time
- vii) Any reference to the words "Tender" or "Tenderer" herein and/or in any other documentation shall be construed to have the same meaning as the words "Bid" or "Bidder"

SECTION A: JBCC PRINCIPAL BUILDING AGREEMENT

Definitions (A1)

1 Definitions and interpretation (clause 1)

Clause 1.1 Definition of "**Agreement**" is amended by replacing it with the following:

Agreement means the agreement arising from the signing of the Form of Offer and Acceptance by the parties.

Clause 1.1 Definition of "**Bills of Quantities**" is amended by adding the following:

"...and the Pricing Instructions contained in the Pricing Data" after the word measuring system.

Clause 1.1 Definition of "**Contract Documents**" is amended by adding the following:

".....this Agreement and all other documents referenced therein.." after the word this document"

Clause 1.1 Definition of "**Contract Drawings**" is amended by replacing it with the following:

Contract Drawings means the drawings upon which the tender was accepted and used in preparing the bills of quantities and are available for viewing at the offices of the Principal Agent at the time of tender

Clause 1.1 Definition of "**Contract Sum**" is amended

Carried to Collection

Section No. 1
PRELIMINARIES
Bill No. 1
PRELIMINARIES & GENERAL

R

LDPWRI
REFURBISHMENT OF LEPHALALE VETERINARY LABORATORY
WATERBERG DISTRICT

Clause 1.1 Definition of "**Contract Sum**" is amended by replacing it with the following:

Contract Sum means the total of prices in the Form of Offer and Acceptance.

Clause 1.1 Definition of "**Schedule**" is amended by adding the following:

".....and in the **Contract Data**". at the end on the sentence ending with **agreement**

Clause 1.1 Definition of "**Commencement Date**" is added:

"Commencement date" means the date that the **agreement**, made in terms of the Form of Offer and Acceptance, comes into effect

Clause 1.1 Definition of "**Construction Guarantee**" is amended by replacing it with the following:

"Construction guarantee" means 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**

Clause 1.1 Definition of "**Construction Period**" is amended by replacing it with the following:

"Construction period" means the period commencing on the commencement date and ending on the date of practical completion

Clause 1.1 Definition of "**Corrupt Practice**" is added:

"Corrupt Practice" means the offering , giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution

Clause 1.1 Definition of "**Fraudulent Practice**" is added:

"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

Carried to Collection

Section No. 1
PRELIMINARIES
Bill No. 1
PRELIMINARIES & GENERAL

R

LDPWRI
REFURBISHMENT OF LEPHALALE VETERINARY LABORATORY
WATERBERG DISTRICT

tender prices at artificial non-competitive levels and to deprive the tenderer of the benefits of free and open competition.

Clause 1.1 Definition of "**Interest**" is amended by replacing it with the following:

"**Interest**" means the interest rates applicable on this contract, whether specifically indicated in the relevant clauses or not, will be the rate as determined by the Minister of Finance, from time to time, in terms of section 80(1)(b) of the Public Finance Management Act, 1999 (Act No. 1 of 1999).

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**.

Clause 1.1 Definition of "**Security**" is amended by replacing it with the following:

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

Fixed

Item

Value Related

Item

Time Related

Item

Objective and Preparation (A2 - A14)

2 Offer, acceptance and performance (clause 2)

Fixed

Item

Value Related

Item

Time Related

Item

Carried to Collection

R

Section No. 1
PRELIMINARIES
Bill No. 1
PRELIMINARIES & GENERAL

LDPWRI
REFURBISHMENT OF LEPHALALE VETERINARY LABORATORY
WATERBERG DISTRICT

3	Documents (clause 3)		
	Clause 3.2.1 is amended by replacing "14.1" with "14.0"		
	Clause 3.7 is amended by the addition of the following:		
	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.		
	Clause 3.10 is amended by replacing the second reference to "principal agent" with the word "employer"		
		Fixed	Item
		Value Related	Item
		Time Related	Item
4	Design responsibility (clause 4)		
		Fixed	Item
		Value Related	Item
		Time Related	Item
5	Employer's agents (clause 5)		
		Fixed	Item
		Value Related	Item
		Time Related	Item
6	Contractor's site representative (clause 6)		
		Fixed	Item
		Value Related	Item
		Time Related	Item

Carried to Collection

Section No. 1
PRELIMINARIES
Bill No. 1
PRELIMINARIES & GENERAL

R

LDPWRI
REFURBISHMENT OF LEPHALALE VETERINARY LABORATORY
WATERBERG DISTRICT

7 Compliance with laws and regulations (clause 7)

Note: A separate clause has been included in Section C: Specific Preliminaries of the **bills of quantities** for the **contractor** to have the opportunity to price for all the requirements of the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification

Fixed

Item

Value Related

Item

Time Related

Item

8 Works risk (clause 8)

Fixed

Item

Value Related

Item

Time Related

Item

Carried to Collection

R

Section No. 1
PRELIMINARIES
Bill No. 1
PRELIMINARIES & GENERAL

LDPWRI
REFURBISHMENT OF LEPHALALE VETERINARY LABORATORY
WATERBERG DISTRICT

9 Indemnities (clause 9)

Clause 9.0 is amended by adding Clause 9.1.4:

The **contractor** indemnifies and holds harmless the **employer** against all liability, losses, claims, damages, penalties, actions, proceedings or judgments (collectively referred to as "Losses") arising from any infringement of letters, patent design, trademark, name, copyright or other protected rights in respect of any machine, plant, work, materials, thing, system or method of using, fixing, working or arrangement used or fixed or supplied by the **contractor**, but such indemnity shall not cover any use of the equipment of part thereof otherwise than in accordance with the provisions of the specification. All payments and royalties payable in one sum or by installments or otherwise shall be included by the **contractor** in the price and shall be paid by him to those to whom they may be payable. The **contractor** shall reimburse the **employer** for all legal and other costs and expenses, including without limitation attorney's fees on attorney-client scale incurred by the **employer** in connection with investigation, defending or settling any Losses in connection with pending or threatening litigation in which the **employer** is a party.

Fixed

Item

Value Related

Item

Time Related

Item

10 Works insurances (clause 10)

Clause 10.0 is amended by the addition of the following clauses

10.5 Damage to the Works

- (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

Carried to Collection

R

Section No. 1
PRELIMINARIES
Bill No. 1
PRELIMINARIES & GENERAL

LDPWRI
REFURBISHMENT OF LEPHALALE VETERINARY LABORATORY
WATERBERG DISTRICT

contractor may deem necessary

- b) The **contractor** shall at all times proceed immediately to remove or dispose of any debris arising from damage to or destruction of the **works** and to rebuild, restore, replace and/or repair the **works**
- (c) The **employer** shall carry the risk of damage to or destruction of the **works** and material paid for by the **employer** that is the result of the excepted risks as set out in 10.6
- (d) 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 32.0 hereof

10.6 Injury to Persons or loss of or damage to Properties

- (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 neglect of any person for whose actions the **employer** is legally liable
- (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 neglect of any person for whose actions the **employer** is legally liable
- 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

Carried to Collection

Section No. 1
PRELIMINARIES
Bill No. 1
PRELIMINARIES & GENERAL

R

LDPWRI
REFURBISHMENT OF LEPHALALE VETERINARY LABORATORY
WATERBERG DISTRICT

cost thereof from the **contractor** or to deduct the same from amounts due to the **contractor**

- (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**
- (e) Where the execution of the **works** involves the risk of 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
- (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**

10.7 High risk insurance

In the event of the project being executed in a geological area classified as a "High Risk Area", that is an area which is subject to highly unstable subsurface conditions that might result in catastrophic ground movement evident by sinkhole or doline formation the following will apply:

10.7.1 Damage to the works

The **contractor** shall, from the commencement date of the **works** until the date of the **certificate of practical completion** bear the full risk of and hereby indemnifies and holds harmless the **employer** against any damage to and/or destruction of the **works** consequent upon a catastrophic ground movement as mentioned above. The **contractor** shall take such precautions and security measures and other steps for the protection of the **works** as he may deem necessary

When so instructed to do so by the principal agent, the contractor shall proceed immediately to remove and/or

Carried to Collection

Section No. 1
 PRELIMINARIES
 Bill No. 1
 PRELIMINARIES & GENERAL

R

LDPWRI
REFURBISHMENT OF LEPHALALE VETERINARY LABORATORY
WATERBERG DISTRICT

dispose of any debris arising from damage to or destruction of the works and to rebuild, restore, replace and/or repair the works, at the contractor

10.7.2 Injury to persons or loss of or damage to property

The **contractor** shall be liable for and hereby indemnifies and holds harmless the **employer** against any liability, loss, claim or proceeding arising at any time during the period of the contract whether arising in common law or by statute, consequent upon personal injuries to or the death of any person whomsoever resulting from, arising out of or caused by a catastrophic ground movement as mentioned above

The **contractor** shall be liable for and hereby indemnifies the **employer** against any and all 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 whomsoever arising out of or caused by a catastrophic ground movement, as mentioned above, which occurred during the period of the contract

10.7.3 It is the responsibility of the **contractor** to ensure that he has adequate insurance to cover his risk and liability as mentioned in 10.7.1 and 10.7.2. 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

10.7.4 The **employer** shall be entitled to recover any and all losses and/or damages of whatever nature suffered or incurred consequent upon the **contractor's** default of his obligations as set out in 10.7.1; 10.7.2 and 10.7.3. Such losses or damages may be recovered from the **contractor** or by deducting the same from any amounts still due under this contract or under any other contract presently or hereafter existing between the **employer** and the **contractor** and for this purpose all these contracts shall be considered one indivisible whole

Fixed

Item

Carried to Collection

R

Section No. 1
PRELIMINARIES
Bill No. 1
PRELIMINARIES & GENERAL

LDPWRI
REFURBISHMENT OF LEPHALALE VETERINARY LABORATORY
WATERBERG DISTRICT

		Value Related	Item
		Time Related	Item
11	Liability insurances (clause 11)		
		Fixed	Item
		Value Related	Item
		Time Related	Item
12	Effecting insurances (clause 12)		
		Fixed	Item
		Value Related	Item
		Time Related	Item
13	No clause (clause 13)		Item
14	Security (clause 14)		
	Clause 14.0 is amended by:-		
	i) The addition of the following clauses:-		
	Clause 14.7.3		
	"Hand the site over to the contractor subject to agreement that shall be made between the employer and the contractor "		
		Fixed	Item
		Value Related	Item
		Time Related	Item
Carried to Collection			
Section No. 1			
PRELIMINARIES			
Bill No. 1			
PRELIMINARIES & GENERAL			

LDPWRI
REFURBISHMENT OF LEPHALALE VETERINARY LABORATORY
WATERBERG DISTRICT

	<u>Execution (A15 - A23)</u>	
15	<p>Preparation for and execution of the works (clause 15)</p> <p>Clause 15.1.1 is amended by replacing it with:</p> <p>No clause</p> <p>Clause 15.1.2 is amended by replacing it with:</p> <p>The security selected in terms of 14.0</p> <p>Clause 15.1 is amended by the addition of the following clause:</p> <p>15.1.4 An acceptable health and safety plan, required in terms of the Occupational Health and Safety Act, 1993 (Act 85 of 1993) or latest edition, revision and ammendments, within twenty-one (21) calendar days of commencement date</p> <p>Clause 15.2.1 is amended by replacing it with the following clause:</p> <p>Give the contractor possession of the site within ten (10) working days of the contractor complying with the terms of 15.1</p>	
	Fixed	Item
	Value Related	Item
	Time Related	Item
16	Access to the works (clause 16)	
	Fixed	Item
	Value Related	Item
	Time Related	Item
17	Contract instructions (clause 17)	
	Fixed	Item
	Value Related	Item
Carried to Collection		
Section No. 1 PRELIMINARIES Bill No. 1 PRELIMINARIES & GENERAL		

R

LDPWRI
REFURBISHMENT OF LEPHALALE VETERINARY LABORATORY
WATERBERG DISTRICT

	Time Related	Item
18	Setting out of the works (clause 18)	
	<i>The contractor shall notify the principal agent if any encroachments of adjoining foundations, buildings, structures, pavements, boundaries, etc. exist in order that the necessary arrangements may be made for the rectification of any such encroachments</i>	
	<i>The contractor shall perform tolerance control checks regularly throughout the contract period and report on this at regular interval to the Principal Agent in the approved format. Should the contractor fail to comply with this requirement to the satisfaction of the the Principal Agent, progressively as the structure is being constructed, the Employer will commission a Registered Land Surveyor to do so on the Contractor's behalf and at the Contractor's Expense.</i>	
	Fixed	Item
	Value Related	Item
	Time Related	Item
19	Assignment (clause 19)	
	Fixed	Item
	Value Related	Item
	Time Related	Item
20	Nominated sub-contractors (clause 20)	
	Clause 20.0	
	Clause 20.1.3 is amended by replacing it with the following:	
	No Clause	
	Fixed	Item
	Value Related	Item
	Time Related	Item
Carried to Collection		
Section No. 1		
PRELIMINARIES		
Bill No. 1		
PRELIMINARIES & GENERAL		

R

LDPWRI
REFURBISHMENT OF LEPHALALE VETERINARY LABORATORY
WATERBERG DISTRICT

21	Selected sub-contractors (clause 21)		
		Fixed	Item
		Value Related	Item
		Time Related	Item
22	Employer's direct contractors (clause 22)		
	<i>The Contractor shall allow the direct contractors and employers agents access to the work, allocate reasonable space in the building for storage of their materials, tools and equipment, all to the satisfaction of the Principal Agent. The contractor shall also allow the direct contractors, etc. free of charge, use of their ablution facilities and water and power supply to the and shall in no way hinder or prevent the execution of their works. Attendance may be priced against the relevant specified items in the bills of quantities.</i>		
		Fixed	Item
		Value Related	Item
		Time Related	Item
23	Contractor's domestic sub-contractors (Clause 23)		
		Fixed	Item
		Value Related	Item
		Time Related	Item
	<u>COMPLETION</u>		
	<u>Completion (A24-A30)</u>		
24	Practical completion (clause 24)		
		Fixed	Item
		Value Related	Item
		Time Related	Item
	Carried to Collection		
	Section No. 1 PRELIMINARIES Bill No. 1 PRELIMINARIES & GENERAL		

R

LDPWRI
REFURBISHMENT OF LEPHALALE VETERINARY LABORATORY
WATERBERG DISTRICT

25	Works completion (clause 25)	Fixed	Item	
		Value Related	Item	
		Time Related	Item	
26	Final completion (clause 26)	Fixed	Item	
		Value Related	Item	
		Time Related	Item	
27	Latent defects liability period (clause 27)	Fixed	Item	
		Value Related	Item	
		Time Related	Item	
28	Sectional completion (clause 28)	Fixed	Item	
		Value Related	Item	
		Time Related	Item	
29	Revision of date of practical completion (clause 29)			
		Clause 29.1.1 shall be deemed to be omitted and replaced by the following:		
		Inclement weather shall be defined as weather in excess of the average rainfall (volume and period) for each calender month over the past ten (10) years as recorded by the nearest commonly recognised weather bureau in the region of the project		
		It shall be deemed that the contractor has adequately allowed in his programme and tendered rates for expenses which might result from delays due to average or below rainfall as described above		
		Carried to Collection		
	Section No. 1			
	PRELIMINARIES			
	Bill No. 1			
	PRELIMINARIES & GENERAL			

R

LDPWRI
REFURBISHMENT OF LEPHALALE VETERINARY LABORATORY
WATERBERG DISTRICT

Add Clause 29.9 as follows:

Revision to the date for **practical completion** shall only be considered when work on the critical path of the agreed programme for the works is delayed."

Add Clause 29.10 as follows:

Clause 29.10 - Acceleration

Clause 29.10.1

Irrespective of whether or not the **principal agent** rules that the **contractor** is entitled to an extension of time or a revision of the date for **practical completion**, the **principal agent** shall nevertheless, at any time, be entitled to instruct the **contractor** in writing to accelerate the progress of the remaining **works** to ensure that the **works** are completed by the original date for **practical completion** or revised date as the case may be.

Clause 29.10.2

Upon receipt of such instruction, the **contractor** shall take all necessary steps to ensure that the **works** are completed timeously including the provision by him of additional resources, plant, manpower, etc and the working overtime or additional overtime beyond that contemplated at the time of tender (at all times adhering to the regulations and requirements of all authorities) and by all other adequate and proper means and methods. The **contractor** shall prove that such steps are being taken if called upon to do so.

Clause 29.10.3

The **contractor's** entitlement to compensation arising out of or in respect of any revision to the date for **practical completion** that may have been granted by the **principal agent** or alternatively where the **principal agent** has instructed the **contractor** to accelerate, shall be adjudicated strictly in terms of clause 32.

Fixed

Item

Value Related

Item

Carried to Collection

R

Section No. 1
PRELIMINARIES
Bill No. 1
PRELIMINARIES & GENERAL

LDPWRI
REFURBISHMENT OF LEPHALALE VETERINARY LABORATORY
WATERBERG DISTRICT

	Time Related	Item
30	Penalty for non-completion (clause 30)	
	Clause 30 is amended by replacing reference to 36.3 at end of sentence with 36.0	
	Fixed	Item
	Value Related	Item
	Time Related	Item
	<u>Payment (A31 - A35)</u>	
31	Interim payment to the contractor (clause 31)	
	Clause 31.9 is amended by replacing "seven (7) calender days" with "thirty (30) calender days" and by deleting the words "subject to the contractor giving the employer a tax invoice for the amount due"	
	Clause 31.12 is amended by deleting the following	
	Payment shall be subject to the employer giving the contractor a tax invoice for the amount due	
	Fixed	Item
	Value Related	Item
	Time Related	Item
32	Adjustment to the contract value (clause 32)	
	Clause 32.0	
	Clauses 32.5.1, 32.5.4 and 32.5.7 are amended by the addition of the following at the end of the sentence:	
	"due to no fault of the contractor "	
	Fixed	Item
	Value Related	Item
	Time Related	Item
	Carried to Collection	
	Section No. 1 PRELIMINARIES Bill No. 1 PRELIMINARIES & GENERAL	

R

LDPWRI
REFURBISHMENT OF LEPHALALE VETERINARY LABORATORY
WATERBERG DISTRICT

33	Recovery of expense and loss (clause 33)	Fixed	Item
		Value Related	Item
		Time Related	Item
34	Final account and final payment (clause 34) Clause 34.0 Clause 34.2 is amended by inserting # next to 34.2 Clause 34.13 is amended by replacing "seven (7) calendar days " with "thirty (30) calendar days " and deleting the words "subject to the employer giving the contractor a tax invoice for the amount due"	Fixed	Item
		Value Related	Item
		Time Related	Item
35	Payment to other parties (clause 35)	Fixed	Item
		Value Related	Item
		Time Related	Item

Carried to Collection

Section No. 1
PRELIMINARIES
Bill No. 1
PRELIMINARIES & GENERAL

R

Cancellation (A36-A39)

- 36 Cancellation by employer - contractor's default (clause 36)
- Clause 36.1 is amended by the additions of the following clauses:
- 36.1.3 refuses or neglects to comply strictly with any of the conditions of contract
- 36.1.4 estate being sequestrated, liquidated or surrendered in terms of the insolvency laws in force within the Republic of South Africa
- 36.1.5 in the judgement of the **employer**, has engaged in **corrupt** or **fraudulent practices** in competing for or in executing the contract
- Clause 36.3 is amended by removing the reference to "No clause" and replacing the words "**principal agent**" with "**employer**"
- Clause 36.0 is amended by the addition of the following clause:
- 36.7 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

Fixed

Item

Value Related

Item

Time Related

Item

Carried to Collection

R

Section No. 1
PRELIMINARIES
Bill No. 1
PRELIMINARIES & GENERAL

LDPWRI
REFURBISHMENT OF LEPHALALE VETERINARY LABORATORY
WATERBERG DISTRICT

37 Cancellation by employer - loss and damage (clause 37)

Clause 37.3.5 is amended by replacing "ninety (90)" with "one-hundred and twenty (120)"

Clause 37.0 is amended by the addition of the following clause:

37.5 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

Fixed

Item

Value Related

Item

Time Related

Item

38 Cancellation by contractor - employer's default (clause 38)

Clause 38.5.4 is amended by replacing "ninety (90)" with "one-hundred and twenty (120)"

Clause 38.0 is amended by the addition of the following clause:

38.7 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

Fixed

Item

Value Related

Item

Time Related

Item

Carried to Collection

R

Section No. 1
PRELIMINARIES
Bill No. 1
PRELIMINARIES & GENERAL

LDPWRI
REFURBISHMENT OF LEPHALALE VETERINARY LABORATORY
WATERBERG DISTRICT

39	<p>Cancellation - cessation of the works (clause 39)</p> <p>Clause 39.3.5 is amended by the addition of the following at the end of the sentence: "within one-hundred and twenty (120) working days of completion of such report"</p>			
	Fixed	Item		
	Value Related	Item		
	Time Related	Item		
	<u>Dispute Settlement (A40)</u>			
40	<p>Disputes Settlement (clause 40)</p> <p>Clause 40.2.2 is amended by replacing "one (1) year" with "three (3) years"</p> <p>Clause 40.6 is amended by removing the reference to:</p> <p>No clause</p> <p>Clause 40.7.1 is amended by replacing "(10)" with "(15)" and by the addition of the following:</p> <p>Whether or not mediation resolves the dispute, the parties shall bear their own cost concerning the mediation and equally share the costs of the mediator and related costs.</p>			
	Fixed	Item		
	Value Related	Item		
	Time Related	Item		
	<u>State Provision (A41)</u>			
41	<p>State Substitutions (clause 41)</p> <p>Delete in the Substitute Provisions (41.0 State Clauses) clauses 40.2.1, 40.2.2, 40.3, 40.4, 40.5 and 40.6 and replace with the following:</p>			
	Carried to Collection		R	
	Section No. 1			
	PRELIMINARIES			
	Bill No. 1			
	PRELIMINARIES & GENERAL			

LDPWRI
REFURBISHMENT OF LEPHALALE VETERINARY LABORATORY
WATERBERG DISTRICT

- 40.1 Should any dispute between the **employer**, his **agents** or **principal agent** on the one hand and the contractors on the other arise out of this **agreement**, such dispute shall be referred to adjudication.
- 40.2 Adjudication shall be conducted in accordance with the edition of the JBCC Rules for Adjudication current at the time when the dispute is declared. The party, which raises the dispute, shall select three adjudicators from the panel of adjudicators published by the South African Institution of Civil Engineering or Association of Arbitrators (Southern Africa), determine their hourly fees and confirm that these adjudicators are available to adjudicate the dispute in question. The other party shall then select within 7 days one of the three nominated adjudicators, failing which the chairman for the time being of the Association of Arbitrators (Southern Africa) shall nominate an adjudicator. The **adjudicator** shall be appointed in terms of the Adjudicators Agreement set out in C1.4 .
- 40.3 If provided in the **schedule**, a dispute shall be finally settled by a single Arbitrator to be agreed on between the parties or, failing such agreement within 28 days after referring the dispute to Arbitration, an Arbitrator nominated by the chairman for the time being of the Association of Arbitrators (Southern Africa).Any such reference shall be deemed to be a submission to the arbitration of a single arbitrator in terms of the Arbitration Act (Act No 42 of 1965, as amended), or any legislation passed in substitution therefore. In the absence of any other agreed procedure, the arbitration shall take place in accordance with the Rules for the Conduct of Arbitrations issued by the Association of Arbitrators (Southern Africa) which are current at the time of the referral to arbitration. The Arbitrator shall, in his award, set out the facts and the provisions of the contract on which his award is based.
- 40.4 If the **schedule** provides for court proceedings to finally resolve disputes, disputes shall be determined by court proceedings.

Carried to Collection

Section No. 1
PRELIMINARIES
Bill No. 1
PRELIMINARIES & GENERAL

R

LDPWRI
REFURBISHMENT OF LEPHALALE VETERINARY LABORATORY
WATERBERG DISTRICT

Carried to Collection

Section No. 1
PRELIMINARIES
Bill No. 1
PRELIMINARIES & GENERAL

R

	Fixed	Item
	Value Related	Item
	Time Related	Item
	<u>Contract Variables (A41)</u>	
42	The Schedule (clause 42)	
	<i>Tenderers are referred to the Contract Data and Notes to Tenderes for variable pertaining to this contract</i>	
	Fixed	Item
	Value Related	Item
	Time Related	Item

SECTION B: PRELIMINARIES

Section No. 1
PRELIMINARIES
Bill No. 1
PRELIMINARIES & GENERAL

Carried to Collection

R

LDPWRI
REFURBISHMENT OF LEPHALALE VETERINARY LABORATORY
WATERBERG DISTRICT

<u>Definition and interpretation (B1)</u>			
43	Definition and interpretation		
	See also clause A1.0 of Section A for additional and/or amended definitions which shall apply equally to this Section		
	Fixed	Item	
	Value Related	Item	
	Time Related	Item	
<u>Documents (B2)</u>			
44	Checking of documents (B2.1)		
	<i>These bills of quantities:</i>		
	(1) contain pages and annexes as indexed, and;		
	(2) are in multiple procurement format, i.e. all trades are fully measured with minor budgetary allowances		
	<i>Items in these bills of quantities are to be read and priced in conjunction with and the descriptions regarded as amplified by the Model Preambles for Trades, 2008 edition, as recommended and published by the Association of South African Quantity Surveyors and no claim arising from brevity of description of items fully described in the said Model Preambles for Trades will be entertained</i>		
	Fixed	Item	
	Value Related	Item	
	Time Related	Item	
45	Provisional bills of quantities (B2.2)		
	Fixed	Item	
	Value Related	Item	
Carried to Collection			
Section No. 1 PRELIMINARIES Bill No. 1 PRELIMINARIES & GENERAL			R

LDPWRI
REFURBISHMENT OF LEPHALALE VETERINARY LABORATORY
WATERBERG DISTRICT

	<u>The site (B3)</u>		
50	Defined works area (B3.1)		
	Fixed	Item	
	Value Related	Item	
	Time Related	Item	
51	Geotechnical investigation (B3.2)		
	Fixed	Item	
	Value Related	Item	
	Time Related	Item	
52	Inspection of the site (B3.3)		
	<i>Tenderers are instructed to familiarise themselves before submission of their tender with regard to the relevant local site conditions, site accessibility, the nature of operations required, availability of labour and any conditions pertaining thereto, together with conditions relating to unloading, carting and storage of materials, equipment and tools required for the works.</i>		
	<i>No claims for extras arising from the contractor having failed to comply with this clause will be entertained</i>		
	Fixed	Item	
	Value Related	Item	
	Time Related	Item	
53	Existing premises occupied (B3.4)		
	Fixed	Item	
	Value Related	Item	
	Time Related	Item	

Carried to Collection

Section No. 1
PRELIMINARIES
Bill No. 1
PRELIMINARIES & GENERAL

R

LDPWRI
REFURBISHMENT OF LEPHALALE VETERINARY LABORATORY
WATERBERG DISTRICT

54	Previous work - dimensional accuracy (B3.5)		
	<i>Work executed under a previous contract and the extent thereof will be pointed out to the contractor by the principal agent on handing over of the site</i>		
	Fixed	Item	
	Value Related	Item	
	Time Related	Item	
55	Previous work - defects (B3.6)		
	Fixed	Item	
	Value Related	Item	
	Time Related	Item	
56	Services - known (B3.7)		
	Fixed	Item	
	Value Related	Item	
	Time Related	Item	
57	Services - unknown (B3.8)		
	Fixed	Item	
	Value Related	Item	
	Time Related	Item	
58	Protection of trees, etc (B3.9)		
	Fixed	Item	
	Value Related	Item	
	Time Related	Item	
59	Articles of value (B3.10)		
	Fixed	Item	

Carried to Collection

R

Section No. 1
PRELIMINARIES
Bill No. 1
PRELIMINARIES & GENERAL

LDPWRI
REFURBISHMENT OF LEPHALALE VETERINARY LABORATORY
WATERBERG DISTRICT

4. shall be in sufficient and approved detail to ensure effective control of the work, including all items necessary to enable calculations to be made for the distribution of finance during the cashflow analysis.
5. shall be accompanied by a full written method statement

The principal agent shall examine and comment on the contract programme and method statement within two weeks of its submission.

Following on these comments the contractor shall amend the contract programme and method statement as may be necessary and submit the final contract programme and method statement to the principal agent for approval within a further two weeks thereafter.

The contract programme shall be processed by computer and be presented to the principal agent in the form of logic charts and bar charts in such a way as to determine the critical path and the float on non-critical activities. All supporting printouts must be available to the principal agent on demand.

The acceptance by the principal agent of the contract programme, or any revision thereof, does not necessarily sanction the accuracy of validity of the network logic, the correctness of individual activities in terms of description or duration, the comprehensiveness of networks or the discrepancies between drawings and any other documents presented by the contractor, and in no way relieves the responsibility of the contractor to comply with the requirements of the Agreement.

No policy decisions other than the planning requirements, procedures and policies provided, will be enforced on the contractor regarding construction of the project and the contractor shall be responsible at all times for ensuring the accuracy, validity and reasonableness of programming information.

Documentation will not be available in complete detail at the date of award of the contract. Non-availability of information will not be deemed an excuse for non-presentation of programmes. In the event of inadequate information, the contractor shall estimate the predicted time applications on available information and quality the submission accordingly.

Development of the contract programme and method

Carried to Collection

Section No. 1
PRELIMINARIES
Bill No. 1
PRELIMINARIES & GENERAL

R

statement

Within two weeks of award of the contract, the contractor shall submit an updated contract programme and written method statement which shall include the latest information in sufficient detail to permit comprehensive monitoring.

Progress of the works will be monitored by the principal agent. The contractor shall liaise with the principal agent in order to provide whatever information is required to facilitate such monitoring.

Revisions to the contract programme

Revisions to the contract programme may be introduced periodically by the contractor subject to compliance with the contract completion and handover dates.

Providing the required consultation between the relevant parties has highlighted the implications of the required changes, the programming strategy on the project may be changed and the changes noted and specified on logic charts delivered to the principal agent. The changes to the programme will be recorded as firm and binding once the principal agent has sanctioned the said changes.

A revision to the programme will not invalidate the contractual completion dates and applications for extensions of time will be processed by the principal agent in accordance with the conditions of contract.

Should the contractor fail to submit a request for revision to the construction programme , progress monitoring shall be based on the latest revised programme sanctioned by the principal agent.

The contractor shall make all his necessary revisions on the approved network sheets clearly marking, inter-alia, the logic changes and duration changes. These will then be processed by the necessary parties and then approved in the normal manner.

Progress Monitoring

The contractor shall provide regular progress reports showing actual and expected progress against the latest contract programme. Progress reports shall be submitted at each site progress meeting and shall

Carried to Collection

Section No. 1
PRELIMINARIES
Bill No. 1
PRELIMINARIES & GENERAL

R

LDPWRI
REFURBISHMENT OF LEPHALALE VETERINARY LABORATORY
WATERBERG DISTRICT

outline the progress against key target dates and deviation which has occurred against the most recently updated control programme due to the progress reflected in the as-built construction programme.

The status of each activity must also be reported as follows:

Target - If the activity is not complete, the latest predicted completion date shall be supplied.

Start - If the activity has commenced, the actual date shall be supplied.

Finish - If the activity is complete, the actual completion date shall be supplied.

Problems which may occur during execution of the contract must be specifically identified in progress reports under a separate section of the contractor's report.

Should problems occur during the execution of the contract or the scope of work be increased or decreased, the contractor may be requested to increase the extent or the detail of the programme.

The principal agent may recommend action to be taken by the contractor, including the revision of resource levels, but this information will not be binding on the contractor unless the recommendations are enforced in terms of the conditions of contract by the principal agent and will in no way relieve the contractor's responsibility to comply with the requirements of the Agreement.

Extension of time

Any extension of time which is granted by the principal agent will be annotated to affect selected activities in the programme and the associated activities will be incorporated by revisions to the programme by the contractor. Should the additional activities or the extension of time on existing activities fall on a non-critical area of the programme, extension will be limited to the activities affected by the said additional activities or extensions and the contract dates shall not be affected. If, however, the additional activities fall on the critical path, the principal agent shall take this into account when granting any extension of time in terms of the conditions of contract.

Carried to Collection

Section No. 1
PRELIMINARIES
Bill No. 1
PRELIMINARIES & GENERAL

R

LDPWRI
REFURBISHMENT OF LEPHALALE VETERINARY LABORATORY
WATERBERG DISTRICT

The contractor agrees that the contract completion date (i.e. the date for practical completion) has been stipulated in the contract for the benefit of the employer, so that, without derogating from the generality of the foregoing principle it is provide that:

1. The contractor shall not be entitled to deliver the site and the works to the employer prior to the contract completion date and
2. Should there for any reason be any float period indicated in the contract programme prior to the contractual completion date then this float period shall be utilized to absorb any delays or extensions of time without affecting the contract completion date.
3. The contractor shall, at all times, ensure that, notwithstanding the approval or sanctioning, reviewing or inspection of a programme or any revision of a programme by the principal agent in the foregoing terms, practical completion and completion of the works shall take place strictly in accordance with this Agreement.

A defective or faulty programme, even if so sanctioned, approved, reviewed or inspected by the principal agent, shall therefore not constitute a cause for granting an extension of time for completion of the works or for entitling the contractor to the payment by the employer in terms of the contract of any loss, compensation or damage whatsoever.

The contractor acknowledges that the principal agent's foregoing participation in the approval of development of, revisions to and updating of the Contract Programme shall take place in consultation with the principal agent. The contractor shall therefore provide the principal agent with such co-operation and/or information and/or access as they may reasonably require for such purposes.

Fixed

Item

Value Related

Item

Time Related

Item

Carried to Collection

R

Section No. 1
 PRELIMINARIES
 Bill No. 1
 PRELIMINARIES & GENERAL

LDPWRI
REFURBISHMENT OF LEPHALALE VETERINARY LABORATORY
WATERBERG DISTRICT

63	Progress meetings (B4.3)		
		Fixed	Item
		Value Related	Item
		Time Related	Item
64	Technical meetings (B4.4)		
		Fixed	Item
		Value Related	Item
		Time Related	Item
65	Labour and plant records (B4.5)		
		Fixed	Item
		Value Related	Item
		Time Related	Item
	<u>Samples, shop drawings and manufacturer's instructions (B5)</u>		
66	Samples of materials (B5.1)		
		Fixed	Item
		Value Related	Item
		Time Related	Item
67	Workmanship samples (B5.2)		
		Fixed	Item
		Value Related	Item
		Time Related	Item
68	Shop drawings (B5.3)		
		Fixed	Item

Carried to Collection

R

Section No. 1
PRELIMINARIES
Bill No. 1
PRELIMINARIES & GENERAL

LDPWRI
REFURBISHMENT OF LEPHALALE VETERINARY LABORATORY
WATERBERG DISTRICT

		Value Related	Item
		Time Related	Item
69	Compliance with manufacturer's instructions (B5.4)		
		Fixed	Item
		Value Related	Item
		Time Related	Item
	<u>Temporary works and plant (B6)</u>		
70	Deposits and fees (B6.1)		
		Fixed	Item
		Value Related	Item
		Time Related	Item
71	Enclosure of the works (B6.2)		
		Fixed	Item
		Value Related	Item
		Time Related	Item
72	Advertising (B6.3)		
		Fixed	Item
		Value Related	Item
		Time Related	Item
73	Plant, equipment, sheds and offices (B6.4)		
		Fixed	Item
		Value Related	Item
		Time Related	Item

Carried to Collection

Section No. 1
PRELIMINARIES
Bill No. 1
PRELIMINARIES & GENERAL

R

LDPWRI
REFURBISHMENT OF LEPHALALE VETERINARY LABORATORY
WATERBERG DISTRICT

74	Main notice board (B6.5)		
		Fixed	Item
		Value Related	Item
		Time Related	Item
75	Subcontractors notice board (B6.6)		
		Fixed	Item
		Value Related	Item
		Time Related	Item
	<u>Temporary services (B7)</u>		
76	Location (B7.1)		
		Fixed	Item
		Value Related	Item
		Time Related	Item
77	Water (B7.2)		
		Fixed	Item
		Value Related	Item
		Time Related	Item
78	Electricity (B7.3)		
		Fixed	Item
		Value Related	Item
		Time Related	Item
79	Telecommunication facilities (B7.4)		
		Fixed	Item
		Value Related	Item

Carried to Collection

Section No. 1
PRELIMINARIES
Bill No. 1
PRELIMINARIES & GENERAL

R

LDPWRI

REFURBISHMENT OF LEPHALALE VETERINARY LABORATORY

WATERBERG DISTRICT

[illegible]

LDPWRI
REFURBISHMENT OF LEPHALALE VETERINARY LABORATORY
WATERBERG DISTRICT

	Time Related	Item	
	<u>Financial aspects (B10)</u>		
85	Statutory taxes, duties and levies (B10.1)		
	<i>Provision is made in the summary of these bills of quantities for the inclusion of Value Added Tax (VAT)</i>		
	Fixed	Item	
	Value Related	Item	
	Time Related	Item	
86	Payment of preliminaries (B10.2)		
	Fixed	Item	
	Value Related	Item	
	Time Related	Item	
87	Adjustment of preliminaries (B10.3)		
	Clauses B10.3.1 and B10.3.2 are amended by replacing "within fifteen (15) working days of taking possession of the site " with "when submitting his priced bills of quantities "		
	Fixed	Item	
	Value Related	Item	
	Time Related	Item	
88	Payment certificate cash flow (B10.4)		
	Fixed	Item	
	Value Related	Item	
	Time Related	Item	
	Carried to Collection		R
Section No. 1 PRELIMINARIES Bill No. 1 PRELIMINARIES & GENERAL			

LDPWRI

REFURBISHMENT OF LEPHALALE VETERINARY LABORATORY

WATERBERG DISTRICT

General (B11)

89 | Protection of works (B11.1)

Fixed

Item

Value Related

Item

Time Related

Item

90	Protection/isolation of existing/sectionally occupied works(B11.2)
----	--

Fixed

Item

Value Related

Item

Time Related

Item

91	Site security (B11.3)
----	-----------------------

Fixed

Item

Value Related

Item

Time Related

Item

92 Notice before covering work (B11.4)

Fixed

Item

Value Related

Item

Time Related

Item	Score
1. The first step in the process of developing a business plan is to determine the purpose of the business.	1
2. The second step in the process of developing a business plan is to determine the market for the business.	1
3. The third step in the process of developing a business plan is to determine the financial requirements of the business.	1
4. The fourth step in the process of developing a business plan is to determine the management structure of the business.	1
5. The fifth step in the process of developing a business plan is to determine the marketing strategy of the business.	1
6. The sixth step in the process of developing a business plan is to determine the operational requirements of the business.	1
7. The seventh step in the process of developing a business plan is to determine the legal requirements of the business.	1
8. The eighth step in the process of developing a business plan is to determine the financial projections of the business.	1
9. The ninth step in the process of developing a business plan is to determine the risk factors of the business.	1
10. The tenth step in the process of developing a business plan is to determine the exit strategy of the business.	1

93	Disturbance (B11.5)
----	---------------------

Fixed

Item	Value
1	10
2	20
3	30
4	40
5	50
6	60
7	70
8	80
9	90
10	100

Value Related

Item

Time Related

Item	Value
1. The first step in the process of creating a new product is to identify a market need.	True
2. A product that is unique and has no close substitutes is said to have a high degree of differentiation.	True
3. The process of creating a new product is a linear process.	False
4. A product that is unique and has no close substitutes is said to have a high degree of differentiation.	True
5. The process of creating a new product is a linear process.	False

94	Enviromental disturbance (B11.6)
----	----------------------------------

Fixed

Item 1

Carried to Collection

R

Section No. 1
PRELIMINARIES
Bill No. 1
PRELIMINARIES & GENERAL

LDPWRI
REFURBISHMENT OF LEPHALALE VETERINARY LABORATORY
WATERBERG DISTRICT

		Time Related	Item
		Value Related	Item
95	Works cleaning and clearing (B11.7)		
		Fixed	Item
		Value Related	Item
		Time Related	Item
96	Vermin (B11.8)		
		Fixed	Item
		Value Related	Item
		Time Related	Item
97	Overhand work (B11.9)		
		Fixed	Item
		Value Related	Item
		Time Related	Item
98	Instruction manuals and guarantees (B11.10)		
		Fixed	Item
		Value Related	Item
		Time Related	Item
99	As built information (B11.11)		
		Fixed	Item
		Value Related	Item
		Time Related	Item

Carried to Collection

Section No. 1
PRELIMINARIES
Bill No. 1
PRELIMINARIES & GENERAL

R

LDPWRI
REFURBISHMENT OF LEPHALALE VETERINARY LABORATORY
WATERBERG DISTRICT

12.1.5 **Geotechnical investigation (B12.1.5)**

The geotechnical report is available for viewing at the offices of the Principal Agent

Yes

12.1.6 **Existing premises occupied (B12.1.6)**

[3.4] Specific requirements:
The contractor shall execute the works with as little noise and disturbance as possible

12.1.6 ***Existing premises occupied***

[3.4] Specific requirements:
The contractor shall execute the works with as little noise and disturbance as possible

12.1.7 Previous work - Dimensional accuracy (B12.1.7)

[3.5] Details:
No additional details

No

12.1.8 ***Previous work - defects***

[3.6] Details:
No additional details

12.1.9 Services - known (B12.1.9)

Existing services and points of connection are shown on the site plan and/or will be pointed out on site by the principal agent

12.1.10 ***Protection of trees***

[3.9] Specific requirements:
No trees to be damaged or removed except those specifically designated in writing by the Architect

Carried to Collection

Section No. 1
PRELIMINARIES
Bill No. 1
PRELIMINARIES & GENERAL

R

LDPWRI
REFURBISHMENT OF LEPHALALE VETERINARY LABORATORY
WATERBERG DISTRICT

12.1.11 *Inspection of adjoining properties*

[3.11] Specific requirements:
None

12.1.12 *Enclosure of the works*

[6.2] Specific requirements:
Areas where work is taking place shall at all times be blocked off by appropriate means

12.1.13 *Offices*

[6.4.3] Specific requirements:
The contractor shall provide, maintain and remove on completion of the works an office for the exclusive use of the principal agent, minimum size 4 x 3 x 3m high internally, suitably insulated and ventilated, provided with electric lighting and fitted with boarded floor, desk, chair, drawing stool, drawing board and lock-up drawers for drawings. The office shall be kept clean and fit for use at all times.

12.1.14 *Main notice board*

[6.5] Specific requirements:
The contractor shall provide, erect where directed, maintain and remove on completion of the works a notice board size 3 x 3m constructed of suitable boarding with flat smooth surface and with edging bead 19mm thick round outer edges and projecting 12mm from face of boarding and rounded on front edge. The board shall be securely fixed to hoarding, where hoarding is provided, or fixed to and including a suitable supporting structure of timber or tubular posts and braces. The board is to be painted ivory white and the bead and 12mm wide dividing lines dark green. All wording shall be inscribed in dark green as per the coat of arms for SA. All wording shall be inscribed in dark green painted sans serif lettering.

12.1.15 *Subcontractors' notice board*

[6.6] A notice board is required (yes/no)
NO
Specific requirements:

Carried to Collection

Section No. 1
PRELIMINARIES
Bill No. 1
PRELIMINARIES & GENERAL

R

LDPWRI
REFURBISHMENT OF LEPHALALE VETERINARY LABORATORY
WATERBERG DISTRICT

12.1.16 *Water*

[7.2] Option A (by contractor) (yes/no)
YES

12.1.17 *Electricity*

[7.3] Option A (by contractor) (yes/no)
YES

12.1.18 *Telecommunications*

[7.4] Telephone (yes/no)
YES

Facsimile (yes/no)
YES

E-mail (yes/no)
YES

12.1.19 *Ablution facilities*

[7.5] Option A (by contractor) (yes/no)
YES

Option B (by employer) (yes/no)
NO

12.1.20 *Protection of existing/sectionally occupied works*

[11.2] Protection is required (yes/no)
YES

Carried to Collection

Section No. 1
PRELIMINARIES
Bill No. 1
PRELIMINARIES & GENERAL

R

12.1.21 *Special attendance*

The contractor must obtain information from all subcontractors at tender stage regarding special attendance that might be required and make allowance for each and every subcontract that requires special attendance

[9.2] **Subcontractor** (1) Details:

Subcontractor (2) Details:

Subcontractor (3) Details:

12.1.22 *Protection of the works*

[11.1] Specific requirements:
All work that requires protection during construction must be adequately protected up to practical completion by the **contractor**

12.1.23 *Disturbance*

[11.5] Specific requirements:
The **contractor** shall keep the site, structures, etc well watered during operations to prevent dust and shall provide and erect and remove on completion of the **works** all necessary temporary dust screens all to the satisfaction of the **principal agent**

12.1.24 *Environmental disturbance*

[11.6] Specific requirements:
None

102 Post-tender information (B12.2)

All post-tender information for this section will be determined once tender is awarded

Fixed

Item

Value Related

Item

Time Related

Item

Carried to Collection

R

Section No. 1
PRELIMINARIES
Bill No. 1
PRELIMINARIES & GENERAL

082

REFURBISHMENT OF LEPHALALE VETERINARY LABORATORY WATERBERG DISTRICT

083

LDPWRI
REFURBISHMENT OF LEPHALALE VETERINARY LABORATORY
WATERBERG DISTRICT

106 **Clause C3 - Site instructions**

All site instructions issued on site shall be recorded in writing within seven (7) calendar days in site instruction book (A4 size and triplicate carbon format), which is to be provided and maintained by the contractor. The said site instruction book shall be kept on site at all times for the exclusive use of recording site instructions only

Site instructions may be issued by the architect or any of the consultants only. Copies of the site instructions are to be submitted to the architect and quantity surveyor within seven (7) calendar days of such recording in the site instruction book

Fixed

Item

Value Related

Item

Time Related

Item

107 **Clause C4 - Trade Names**

Wherever a trade name for any product has been described in the **bills of quantities**, the tenderer's attention is drawn to the fact that any other product of equal quality may be used subject to the written approval of the **principal agent** being obtained prior to the closing date for submission of tenders

If prior written approval for an alternative product is not obtained, the product described shall be deemed to have been tendered for

Fixed

Item

Value Related

Item

Time Related

Item

Carried to Collection

R

Section No. 1
PRELIMINARIES
Bill No. 1
PRELIMINARIES & GENERAL

LDPWRI
REFURBISHMENT OF LEPHALALE VETERINARY LABORATORY
WATERBERG DISTRICT

108	Clause C5 - Overtime		
	Should overtime be required to be worked for any reason whatsoever, the costs of such overtime are to be borne by the contractor unless the principal agent has specifically authorized and indicated in writing, prior to the execution thereof, that costs for such overtime will to be borne by the employer		
	Fixed	Item	
	Value Related	Item	
	Time Related	Item	

109	Clause C6 - As-built drawings		
	The position of construction breaks and the extent of individual concrete pours are to be recorded by the contractor on the structural engineer's drawings and are to be submitted to the principal agent and the structural engineer for their records		
	Fixed	Item	
	Value Related	Item	
	Time Related	Item	

110	Clause C5 - Labour record		
	At the end of each week the contractor shall provide the principal agent with a written record, in schedule form, reflecting the number and description of tradesmen and labourers employed by him and all subcontractors on the works each day		
	Fixed	Item	
	Value Related	Item	
	Time Related	Item	

Carried to Collection

R

Section No. 1
 PRELIMINARIES
 Bill No. 1
 PRELIMINARIES & GENERAL

LDPWRI
REFURBISHMENT OF LEPHALALE VETERINARY LABORATORY
WATERBERG DISTRICT

111 **Clause C6 - Plant record**

At the end of each calendar week the contractor shall provide the principal agent with a written record, in schedule form, reflecting the number, type and capacity of all plant, excluding hand tools, currently used on the works

Fixed

Item

Value Related

Item

Time Related

Item

112 **Clause C7 - Non-cession of monies**

The contractor shall not cede nor assign his rights or claims to any monies due or to become due to him under this contract

Fixed

Item

Value Related

Item

Time Related

Item

Carried to Collection

R

Section No. 1
PRELIMINARIES
Bill No. 1
PRELIMINARIES & GENERAL

113	<p>Clause C8 - Occupational Health and Safety Act</p> <p>The contractor shall comply with all the requirements set out in the Construction Regulations, 2003 issued under the Occupational Health and Safety Act, 1993 (Act No 85 of 1993).</p> <p>It is required of the contractor to thoroughly study the latest Health and Safety Specification that must be read together with and is deemed to be incorporated under this Section of the bills of quantities / lump sum document.</p> <p>The contractor must take note that compliance with the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is compulsory. In the event of partial or total non-compliance, the principal agent, notwithstanding the provisions of clause A31.0 of Section A or any other clause to the contrary, reserves the right to delay issuing any progress payment certificate until the contractor provides satisfactory proof of compliance. The contractor shall not be entitled to any compensation of whatsoever nature, including interest, due to such delay of payment.</p> <p>Provision for pricing of the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is made under this clause and it is explicitly pointed out that all requirements of the aforementioned are deemed to be priced hereunder and no additional claims in this regard shall be entertained.</p> <div><div>Fixed</div><div>Value Related</div><div>Time Related</div></div>	<div><div>Item</div><div>Item</div><div>Item</div></div>	
114	<p>Clause C9 - Viewing of the school areas</p> <p>The site is situated in a school area and the tenderer must arrange with the Principal or other responsible school staff to obtain permission to enter the site for tendering purposes</p> <div><div>Fixed</div><div>Value Related</div></div>	<div><div>Item</div><div>Item</div></div>	
	<div>Carried to Collection</div>		<div>R</div>
	<div>Section No. 1 PRELIMINARIES Bill No. 1 PRELIMINARIES & GENERAL</div>		

LDPWRI

Section No. 1
PRELIMINARIES
Bill No. 1
PRELIMINARIES & GENERAL

LDPWRI
REFURBISHMENT OF LEPHALALE VETERINARY LABORATORY
WATERBERG DISTRICT

117 **Clause C12 - Security Check of Personnel**

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

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

Fixed

Item

Value Related

Item

Time Related

Item

118 **Clause C13 - HIV/Aids Awareness**

It is required of the **contractor** to thoroughly study the HIV/AIDS Specification (PW 1544) of the Department that must be read together with and is deemed to be incorporated under this Section of the **bills of quantities**. Provision for pricing of HIV/AIDS awareness is made under items C10.1 to C10.5 hereafter and it is explicitly pointed out that all requirements of the aforementioned specification are deemed to be priced hereunder, as the said items represent the only method of measurement and no additional items or extras to the contract in this regard shall be entertained

The **contractor** must take note that compliance with the HIV/AIDS Specification is compulsory. In the event of partial or total non-compliance, the **principal agent**, notwithstanding the provisions of Clause A 31.0 of Section A or any other clause to the contrary, reserves the right to delay issuing any progress **payment certificate** until the **contractor** provides satisfactory proof of compliance. The **contractor** shall not be entitled to any compensation of whatsoever nature, including interest, due to such delay of payment

Fixed

Item

Value Related

Item

Carried to Collection

R

Section No. 1
PRELIMINARIES
Bill No. 1
PRELIMINARIES & GENERAL

LDPWRI
REFURBISHMENT OF LEPHALALE VETERINARY LABORATORY
WATERBERG DISTRICT

		Time Related	Item
119	Clause C13.1 - Awareness Champion		
	Selection, appointment, briefing and making available of an Awareness Champion including provision of all relevant services, all in accordance with the HIV/AIDS Specification		
		Fixed	Item
		Value Related	Item
		Time Related	Item
120	Clause C13.2 - Awareness Workshop		
	Selection and appointment of a competent Service Provider approved by the principal agent , provision of a Service Provider Workshop Plan and a suitable venue, conducting of awareness workshops by means of traditional and/or modern multi-media techniques, including follow-up courses, making available all tuition material and performing assessment procedures, all in accordance with the HIV/AIDS Specification		
		Fixed	Item
		Value Related	Item
		Time Related	Item
121	Clause C13.3 - Posters, booklets, videos, etc.		
	Provision, displaying, maintaining and replacing when necessary of four plastic laminated posters, booklets and educational videos, etc. for the duration of the construction period , all in accordance with the HIV/AIDS Specification		
		Fixed	Item
		Value Related	Item
		Time Related	Item
	Carried to Collection		
	Section No. 1 PRELIMINARIES Bill No. 1 PRELIMINARIES & GENERAL		

R

LDPWRI
REFURBISHMENT OF LEPHALALE VETERINARY LABORATORY
WATERBERG DISTRICT

122	Clause C13.4 - Access to Condoms Provision and maintenance of condom dispensers fixed in position, including male and female condoms, replenishing male and female condoms on a daily basis as required for the duration of the construction period , all in accordance with the HIV/AIDS Specification <div>FixedItem</div> <div>Value RelatedItem</div> <div>Time RelatedItem</div>
-----	---

123	Clause C13.5- Monitoring Monitoring HIV/AIDS awareness of workers, providing the principal agent with access to information including making available all reports, thoroughly completed and reflecting the correct information, for the duration of the construction period and close out, all in accordance with the HIV/AIDS Specification <div>FixedItem</div> <div>Value RelatedItem</div> <div>Time RelatedItem</div>
-----	--

Carried to Collection

Section No. 1
PRELIMINARIES
Bill No. 1
PRELIMINARIES & GENERAL

R

LDPWRI
 REFURBISHMENT OF LEPHALALE VETERINARY LABORATORY
 WATERBERG DISTRICT

Section No. 1

PRELIMINARIES

Bill No. 1

PRELIMINARIES & GENERAL

COLLECTION

	Page No	Amount
Brought Forward		R
Total Brought Forward from Page No.	38	
	39	
	40	
	41	
	42	
	43	
	44	
	45	
	46	
	47	
	48	
	49	
	50	
	51	
	52	
	53	
	54	
	55	
Carried to Final Summary		R
Section No. 1		
PRELIMINARIES		
Bill No. 1		
PRELIMINARIES & GENERAL		

LDPWRI
REFURBISHMENT OF LEPHALALE VETERINARY LABORATORY
WATERBERG DISTRICT

Item No		Quantity	Rate	Amount
	<u>SECTION NO.2</u>			
	<u>BILL NO. 1</u>			
	<u>ALTERATIONS</u>			
	For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades			
	<u>REMOVAL OF EXISTING WORK:</u>			
	NATURE OF WORK: Tenderers are advised to visit the site and to satisfy themselves as to the nature and extent of the work to be done and provide in their tenders any items not specifically mentioned which they may deem necessary for the proper completion of the work.			
	DIMENSIONS The Contractor is advised to take all dimensions affecting the existing buildings on the site, as he will be held solely responsible for all new work being of the correct size.			
	PIPES, ETC Special care is to be taken not to interfere unnecessary with any supply pipes or other piping that may be met with and found necessary to disconnect or cut, are to be effectively stopped off and any new connections that may be necessary are to be made with proper fittings and to the satisfaction of the Principal Agent to whom due notice must be given of any alterations to the existing services.			
	PROTECTION In taking down and removing existing work the utmost care is to be observed to avoid any structural or other damage to the remaining portions of the buildings. The Contractor must also protect all work not removed such as walls, floors, doors, windows or other joinery, loose and fixed fittings and electrical appliances, etc. from damage during the progress of the work and provide all necessary materials for doing so. The Contractor will be held solely responsible for any damage to persons or property and for the safety of the structure throughout the whole of this Contract and must make good at his own expense any damage that may occur.			
	Carried to Collection		R	
	Section No. 2 ALTERATIONS Bill No. 1 ALTERATIONS			

LDPWRI
REFURBISHMENT OF LEPHALALE VETERINARY LABORATORY
WATERBERG DISTRICT

OLD USABLE MATERIALS from the alterations/demolitions are to become the property of the Client. Old materials for re-use are to be carefully removed, stored and protected from injury including making good any damaged or defective parts as required before fixing. Old reusable materials are to be handed over to the Client are to be carefully removed and neatly stacked on site where directed. The remainder of the old materials and all rubbish to be immediately carted away and the site left clean and unencumbered. The Contractor should allow for removing of rubble from site on daily basis, failing which the client might stop the construction until the site has been cleaned. None of the old stock bricks from the pulling down are to be re-used for any new work. Materials to be handed over to the Client should be kept safely and handed over to the School Governing Body or the school principal who shall sign for all materials received.

MATERIALS, ETC The materials to be used and work to be done to be similar in all respects to that described for new work insofar as they concur. All work in making good is to be properly jointed to the existing.

Unless otherwise stated, all usable material from the demolitions should be kept safely and handed over to the school governing body or the school principal who shall sign for all material received.

Taking out and removing doors, windows, etc from brickwork to be demolished

1	Timber single door and frame 813 x 2032mm high	No	7
2	Timber double door size 1620X2032mm	No	3
<u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc</u>			
3	Ceilings including branderings and cornices	m2	120
4	75mm Coved cornice in patches	m	250
5	125 x 100mm Eaves gutters with beaded front edge	m	210

Carried to Collection

Section No. 2
 ALTERATIONS
 Bill No. 1
 ALTERATIONS

R

LDPWRI
REFURBISHMENT OF LEPHALALE VETERINARY LABORATORY
WATERBERG DISTRICT

	<u>Hacking up/off and removing granolithic, screeds, plaster, etc from concrete or brickwork and preparing surfaces for new screeds, plaster, etc</u>		
6	Internal plaster from walls	m2	10
	<u>Taking out and removing sundry joinery work, fittings, etc</u>		
7	Timber skirtings	m	250
8	Kitchen unit 5500mm x 1000 mm high	No	3
9	Laboratory cabinets 5500mm x 1000mm high	No	10
	<u>Taking out and removing sanitary fittings, tanks ,geysers etc</u>		
10	Complete WC	No	4
11	Urinal	No	2
12	Basin	No	3
13	Geyser	No	1
	<u>Taking up out existing wall finishes and prepare walls to receive new</u>		
14	Ceramic wall tiles	m2	150
	<u>Taking up and removing wood block floor coverings, vinyl floor coverings, carpets, etc and preparing screeds for new floor coverings</u>		
15	300 x 300 x 11,5mm vinyl floor tiles	m2	250
	<u>SERVICING OF DOORS AND WINDOWS</u>		
16	Replace window stays, handles and pegs	No	50
17	Remove door striker plate and replace with new	No	5
	<u>MAKING GOOD OF FINISHES ETC</u>		

Carried to Collection

Section No. 2
 ALTERATIONS
 Bill No. 1
 ALTERATIONS

R

LDPWRI
REFURBISHMENT OF LEPHALALE VETERINARY LABORATORY
WATERBERG DISTRICT

Making good internal cement plaster

18 Repair plaster cracks on internal walls by hacking and
 removing plaster and applying bonding liquid before
 applying new plaster (plaster included)

m2

40

Carried to Collection

Section No. 2
ALTERATIONS
Bill No. 1
ALTERATIONS

R

LDPWRI
REFURBISHMENT OF LEPHALALE VETERINARY LABORATORY
WATERBERG DISTRICT

Section No. 2

ALTERATIONS

Bill No. 1

ALTERATIONS

COLLECTION

Total Brought Forward from Page No.

Page
No

59

60

61

62

Amount

Carried to Final Summary

R

Section No. 2
ALTERATIONS
Bill No. 1
ALTERATIONS

LDPWRI
REFURBISHMENT OF LEPHALALE VETERINARY LABORATORY
WATERBERG DISTRICT

Item No		Quantity	Rate	Amount
	<u>SECTION NO.3</u>			
	<u>BILL NO.5</u>			
	<u>ROOF COVERINGS ETC</u>			
	For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>General</u>			
	All roof coverings, etc., to be with a covering of Z275 galvanising. All holes to be drilled and not punched			
	Where described as with "Chromadek" finish, all sheets, flashings, etc., shall be with "Chromadek" silicone polyester paint for exterior use			
	<u>Sizes</u>			
	All items are measured net unless otherwise described			
	<u>Flashings, trimming plates, etc.</u>			
	Prices to include for all cutting and waste and relevant fixing material, unless otherwise described			
	All rates for flashings, trimmings, etc., to include for forming drips and closed ends to troughs of sheet steel roof covering where applicable			
	All items are unless otherwise described measured net			
	<u>ROOF AND WALL INSULATION</u>			
	<u>BUDGETARY ALLOWANCE</u>			
1	Provide R40 000 (Forty thousands rands) for roof maintainance	Item		
	Carried Forward to Summary of Section No. 3		R	
	Section No. 3			
	BUILDING			
	Bill No. 2			
	ROOF COVERINGS, ETC (PROVISIONAL)			

Item No	Quantity	Rate	Amount
<u>SECTION NO.3</u>			
<u>BILL NO.6</u>			
<u>CARPENTRY AND JOINERY</u>			
For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>Particle board:</u>			
Particle board shall comply with the following specifications:			
a) SABS 1300 Particle board: exterior and flooring type			
b) SABS 1301 Particle board: interior type			
<u>Joinery:</u>			
Descriptions of frames shall be deemed to include frames, transomes, mullions, rails, etc			
Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes			
<u>Fixing</u>			
Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete			
<u>Decorative laminate finish:</u>			
Laminate finish shall be glued under pressure. Edge strips shall be butt jointed at junctions with adjacent similar finish			
<u>ROOFS, ETC.</u>			
Carried to Collection			R
Section No. 3 BUILDING Bill No. 3 CARPENTRY AND JOINERY			

Plate nailed timber roof truss construction

The following is applicable in respect of roof trusses:

Trusses are at maximum 1100mm centres, roof covering is 0,6mm "Klip-Lok Light industrial" iron sheeting on purlins. Ceilings are 6mm sheeting fibre cement ceilings on 38 x 38mm brandering.

The dimensions in the descriptions of the trusses are nominal and actual measurements are to be obtained on the site before design or fabrication commences.

The design, manufacture and transportation of the roof trusses, bracing etc. shall be under control of a registered Engineer (in accordance with the SABS Code of Practice for the design of Timber Structure) and it shall be required from the manufacturer of the trusses to lodge a written guarantee that the construction has been designed by a qualified Structural Engineer and that the Engineer is in possession of a capability certificate issued by the Institute for Timber Construction Trusses.

The designs must further be in accordance with SABS 0163 as well as the additional requirements of the latest Model Preambles of Trades.

The manufacturer of the trusses shall supply a written guarantee that the trusses are designed, manufactured and erected to support the roof covering specified. The guarantee shall be valid for a period of 10 (ten) years.

Payment of the roof construction will only be made once the two (2) required certificates have been submitted to and approved by the Project Registered Structural Engineers.

EAVES, VERGES, ETC

"Everite FC77" pressed fibre-cement

- 1 Everite medium density plain ungrooved Nutec fascia boards (Code: 040-904), size 225 x 10mm, fixed to timber rafters twice screwed with 12 x 40mm countersunk brass screws with Chromaprep fascia jointing plate between boards and at board ends.

m

100

DOORS, ETC

Carried to Collection

Section No. 3
BUILDING
Bill No. 3
CARPENTRY AND JOINERY

R

Section No. 3
BUILDING
Bill No. 3
CARPENTRY AND JOINERY
COLLECTION

Page
No

67

68

Amount

Section No. 3
BUILDING
Bill No. 3
CARPENTRY AND JOINERY

R

LDPWRI
REFURBISHMENT OF LEPHALALE VETERINARY LABORATORY
WATERBERG DISTRICT

Item No		Quantity	Rate	Amount
<u>SECTION NO.3</u>				
<u>BILL NO.8</u>				
<u>IRONMONGERY</u>				
For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades				
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>Finishes to ironmongery</u>				
Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list: BS Satin bronze lacquered CH Chromium plated SC Satin chromium plated SE Silver enamelled GE Grey enamelled AS Anodised silver AB Anodised bronze AG Anodised gold ABL Anodised black PB Polished brass PL Polished and lacquered PT Epoxy coated SD Sanded				
<u>CATCHES,CABIN HOOKS, ETC</u>				
<u>"Solid"</u>				
1	CALMOC anti theft toilet roll holder or equal approved	No	2	
<u>LOCKS</u>				
<u>"Dorma"</u>				
2	75mm Three lever upright mortice lock with satin chrome furniture	No	10	
3	TIDY SYSTEMS 800ml soap dispenser white or equal approved.	No	2	
4	TIDY SYSTEMS Hand dryer white or equal approved.	No	2	
5	19mm Diameter chromium plated towel rail 600mm long incl. end brackets	No	2	
Carried to Collection				R
Section No. 3 BUILDING Bill No. 5 IRONMONGERY				

LETTERS, NAMEPLATES, ETC

"Union"

6	"Code AL5022-E10" Natural anodised aluminium plate with male symbol	No	2
7	"Code AL5022-E11" Natural anodised aluminium plate with female symbol	No	1
8	"Code AL5066-E14" Natural anodised aluminium plate with paraplegic pictogram	No	1

Carried to Collection

Section No. 3
BUILDING
Bill No. 5
IRONMONGERY

R

LDPWRI
REFURBISHMENT OF LEPHALALE VETERINARY LABORATORY
WATERBERG DISTRICT

Item No		Quantity	Rate	Amount
<u>SECTION NO.3</u>				
<u>BILL NO.11</u>				
<u>TILING</u>				
For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades.				
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>Descriptions</u>				
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				
<u>WALL TILING</u>				
<u>Glazed ceramic wall tiles fixed with adhesive to plaster (plaster elsewhere) (PC Amount R150-00/thousand Vat excl supplied and delivered to site)</u>				
1	On walls	m2	250	
2	On narrow widths	m2	7	
<u>FLOOR TILING</u>				
<u>300mm x 300mm Ceramic floor tiles (1.4m2) fixed with adhesive to plaster (plaster elsewhere) and flush pointed with tinted waterproof jointing compound (Tylon) and Tile spacers</u>				
3	On floors and landings	m2	250	
4	Skirting formed of ceramic tile cut to 300 x 75mm high	m	315	
Carried to Collection				R
Section No. 3 BUILDING Bill No. 6 TILING				

300mm x 300mm Vinyl floor tiles (1,4m2) fixed with adhesive to plaster (plaster elsewhere) and flush pointed with tinted waterproof jointing compound (Tylon) and Tile spacers

114

Item No	Quantity	Rate	Amount
<u>SECTION NO.3</u>			
<u>BILL NO.12</u>			
<u>PLUMBING AND DRAINAGE</u>			
For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>"Polycop" polypropylene pipes:</u>			
Polypropylene pipes 54mm diameter and under shall be seamless copper coloured class 16 pipes jointed with "Fast-fuse" heat welded thermoplastic or brass compression fittings as designed for use with copper pipes as stated			
Pipes shall be firmly fixed to walls etc with coloured nylon snap-in pipe clips with provision for accommodating thermal movement and jointed and fixed strictly in accordance with the manufacturer's instructions			
All pipe diameters are nominal external			
<u>"Polylink" polypropylene pipes:</u>			
Polypropylene pipes 63mm diameter and over shall be class 12 pipes jointed with cast iron "Supraclamp" running joints			
Fusion welded bends, once or twice mitred as necessary, and tees shall be factory manufactured			
Fusion welded bends and tees shall include jointing to pipes with PVC rubber ring double Z joint couplers			
Branch tees shall include flanged and bolted joints to "Polycop" branch pipes in addition and for brass compression male iron to copper straight couplers			
Carried to Collection			R
Section No. 3			
BUILDING			
Bill No. 7			
PLUMBING AND DRAINAGE			

LDPWRI
REFURBISHMENT OF LEPHALALE VETERINARY LABORATORY
WATERBERG DISTRICT

Reducers shall include jointing to pipes with PVC rubber ring double Z joint couplers and reducers shall be of sufficient overall length to accommodate same

All pipes shall be jointed and fixed strictly in accordance with the manufacturer's instructions

All pipe diameters are nominal external

Concrete pipes:

Pipes shall be jointed with ogee joints with rubber collars or socket and spigot joints with rubber rings

Vitrified clay pipes:

Pipes shall rest on solid ground and, where necessary, pockets of sufficient size shall be cut around joints to enable the jointing to be properly performed or, alternatively, pipes shall be bedded full length on and including unreinforced concrete laid in a semi-dry state immediately before pipes are laid

Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings

uPVC pipes and fittings:

Soil, waste and vent pipes and fittings shall be solvent weld jointed

uPVC pressure pipes and fittings:

Pipes for water supply shall be of the class stated

Pipes of 40mm diameter and smaller shall be plain ended with solvent welded uPVC loose sockets and fittings

Pipes of 50mm diameter and greater shall have sockets and spigots with push in type integral rubber ring joints. Bends shall be uPVC and all other fittings shall be cast iron, all with similar push-in type joints

Carried to Collection

Section No. 3
BUILDING
Bill No. 7
PLUMBING AND DRAINAGE

R

Copper pipes:

Pipes shall be hard drawn and half-hard pipes of the class stated. Class 0 (thin walled hard drawn) pipes shall not be bent. Class 1 (thin walled half-hard), class 2 (half-hard) and class 3 (heavy walled half-hard) pipes shall only be bent with benders with inner and outer formers. Fittings to copper waste, vent and anti-syphon pipes, capillary solder fittings and compression fittings shall be "Cobra Watertech" type. Capillary solder fittings shall comply with ISO 2016. Only compression fittings shall be used in walls or in ground

Fixing of pipes

Unless specifically otherwise stated, descriptions of pipes shall be deemed to include fixing to walls etc, casting in, building in or suspending not exceeding 1m below suspension level

Lead pipes and fittings

All soldered joints shall be wiped and brass unions shall be used for jointing lead to steel

Reducing fittings

Where fittings have reducing ends or branches they are described as "reducing". In the case of pipes with diameters not exceeding 60mm only the largest end or branch size is given. Should the contractor wish to use other fittings and bushes or reducers he may do so on the understanding that no claim in this regard will be entertained. In the case of pipes with diameters exceeding 60mm all sizes are given and no claim for extra bushes, reducers, etc will be entertained

Wire gratings

Descriptions of gutter outlets etc shall be deemed to include wire balloon gratings

Septic tanks

Descriptions of septic tanks shall be deemed to include excavation, bedding and jointing, concrete base slabs, jointing to drains and backfilling, compaction, etc all in accordance with the manufacturer's instructions

Carried to Collection

Section No. 3
BUILDING
Bill No. 7
PLUMBING AND DRAINAGE

R

Exposed concrete surfaces

Exposed surfaces of concrete stormwater channels, cover slabs, inspection eye marker slabs, gulley tops, cleaning eye tops, catchpits, inspection chambers, etc shall be finished smooth with plaster

Excavations

No claim for rock excavation will be entertained unless the contractor has timeously notified the quantity surveyor thereof prior to backfilling

"Soft rock" and "hard rock" shall be as defined in "Earthworks"

Laying, backfilling, bedding, etc. of pipes

Pipes shall be laid and bedded and trenches shall be carefully backfilled in accordance with manufacturers' instructions

Where no manufacturers' instructions exist pipes shall be laid in accordance with clauses 5.1 and 5.2 of each of the following: SABS 1200 L : Medium-pressure pipelines LD : Sewers LE : Stormwater drainage Pipe trenches etc shall be backfilled in accordance with clauses 3, 5.5, 5.6, 5.7 and 7 of SABS 1200 DB : Earthworks (Pipe trenches) Pipes shall be bedded in accordance with clauses 3.1 to 3.4.1, 5.1 to 5.3 and 7 of SABS 1200 LB : Bedding (Pipes). Unless otherwise described bedding of rigid pipes shall be class B bedding

Flush pans

Flush pans shall have straight or side outlets and "P" or "S" traps as necessary

Stainless steelbasins, sinks, wash troughs, urinals, etc.

Units shall have standard aprons on all exposed edges and tiling keys against walls where applicable

Carried to Collection

Section No. 3
BUILDING
Bill No. 7
PLUMBING AND DRAINAGE

R

LDPWRI
REFURBISHMENT OF LEPHALALE VETERINARY LABORATORY
WATERBERG DISTRICT

Waste unions

Descriptions of waste unions shall be deemed to include rubber or vulcanite plugs and chains fixed to fittings

Steel sectional water tanks

Tanks shall comply with SABS CKS 114

"Densyl" petrolatum anti-corrosion tape as manufactured by Denso SA (Pty) Ltd.

Pipes to be taped shall be coated with the appropriate primer and the tape shall be applied with minimum 15mm lap per spiral unless otherwise described

Couplings and fittings to pipes shall be taped in strict accordance with the manufacturer's instructions including all mastic, tape, "Layflat" sheeting, securing of same, etc

RAINWATER DISPOSAL

0.6mm Galvanised sheet iron with "Chromadek" finish on one side

1	125 x 100mm Eaves gutters with beaded front edge	m	210
2	Extra over eaves gutter for angle	No	8
3	Extra over eaves gutter for outlet for 100mm diameter pipe	No	2
4	Extra over eaves gutter for stopped end	No	2
5	100mm Diameter rainwater pipes	m	36

SOIL DRAINAGE

6	110mm Pipes laid in and including trenches not exceeding 1m deep	m	180
---	--	---	-----

Carried to Collection

Section No. 3
BUILDING
Bill No. 7
PLUMBING AND DRAINAGE

R

	<u>Brass floor drain</u>		
7	Chrome plated brass floor drain 110mm x 110mm x 46mm	No	1
	<u>SANITARY FITTINGS</u>		
	<u>"Vaal"</u>		
8	510 x 405mm "Hibiscus" (code 7050) white vitreous china rounded lavatory basin with two tapholes supported on and incl. two bolts (code 84467Z0)	No	3
9	White vitreous china "Daisy" semi-close coupled 90 degree outlet open rim washdown pan (code 774000) and matching 9 litre cistern (code 710034) complete with lid, fittings and flush pipe elbow and conversion bend (code 710044) and "deluxe" toilet seat	No	4
10	Wall urinal with 4,5 litre high level automatic flushing cistern with exposed flush pipe, spreader and waste union	No	2
	<u>TAPS, VALVES, ETC</u>		
11	Round shaped faucet basin tap	No	8
12	Cobra Watertech 15mm MI x FI x 75mm long extension piece with sliding wall flange (Code: 059-15).	No	15
13	Cobra Watertech 15mm compression type angle regulating valve with 10mm bendable copper outlet tube service connection (Code: 232/350).	No	15
14	Cobra Watertech Star 15mm chrome plated sink mixer (Code: 296) with aerated swivel spout and 400mm long flexible inlets, manufactured in accordance with SANS 226:2009 Type 1 (BS 5412). (Laboratories - prep bowls)	No	8
	Carried to Collection		
	Section No. 3		
	BUILDING		
	Bill No. 7		
	PLUMBING AND DRAINAGE		

R

15	Cobra Watertech exposed urinal chrome plated Junior Flushmaster flushvalve (code: FJ6.000) with non-hold open feature, wall flange and 20mm "Ball-o-Stop" control inlet.	No	2
16	Cobra Watertech chrome plated 15mm outlet x 215mm long with 27mm offset urinal flush pipe (Code: FJT5.5).	No	5
	<u>uPVC pipes</u>		
17	50mm Pipes laid in and including trenches not exceeding 1m deep	m	60
18	110mm Pipes laid in and including trenches not exceeding 1m deep under surface beds	m	20
	<u>Extra over uPVC pipes for fittings</u>		
19	110mm Pan connector	No	5

ELECTRIC WATER HEATERS**"Kwikot"**

20	Kwikot 250 Litre Standard 600 Dual electric water heater (Code : EF-250-2D) complying with SABS 151-2002, overall size 1650 x 535mm high, operating at 400kPa with temperature and pressure safety relief valve including 20mm female draincock with inlet compression. Geyser to be installed horizontally in roof space with 1820 x 560mm wide polyethylene drip tray with union and back nut connected to 20mm PVC overflow pipe taken out at eaves (Code : GSTP-1940) and 22mm pipe work including two 22mm vacuum breakers (Code : KHN4.200CX) installed on hot and cold water supply. Installation to include a 22mm 400kPa Kwikot Mono control and expansion relief valve (Code : KHN3.114), all in accordance with SANS 10254, connected to single phase electrical power supply with isolator 1m away from connection on geyser.	No	2
----	---	----	---

FIRE APPLIANCES ETC

Carried to Collection

Section No. 3
BUILDING
Bill No. 7
PLUMBING AND DRAINAGE

R

	<u>'Chubb'</u>		
21	4.5Kg Dry chemical powder fire extinguisher, including standard hard wood backing plugged and backing finished with one coat dark stain and two coats clear suede polyurethane varnish	No	3
22	9kg Dry chemical powder fire extinguisher, including standard hard wood backing plugged and backing finished with one coat dark stain and two coats clear suede polyurethane varnish	No	3
23	"Everyway" hose reel complete with 30m plastic hose, chromium plated stopcock, shut-off nozzle and wall bracket	No	4

THE FOLLOWING IN SEPTIC TANK AND FRENCH DRAIN

Earthworks for Septic tank and Conservative drain

24	Excavation in earth excavation 2m and not exceeding 4m deep	m3	1
25	Excavation in earth excavation n.e 2m	m3	1

Earth filling of clean drain rock

26	<u>As backfilling for drain pipe</u>	m3	1
----	--------------------------------------	----	---

Concrete, Formwork and Reinforcement for Septic tank

27	20Mpa Reinforced Concrete in bottoms	m3	1
28	25Mpa Reinforced Concrete in slab	m3	1
29	Type 193 fabric reinforcement in concrete bottoms	m2	1
30	Type 617 fabric reinforcement in concrete bottoms	m2	1

Masonry for Septic tank

31	Half Brick wall	m2	1
32	One Brick wall	m2	1

Carried to Collection

Section No. 3
BUILDING
Bill No. 7
PLUMBING AND DRAINAGE

R

LDPWRI
REFURBISHMENT OF LEPHALALE VETERINARY LABORATORY
WATERBERG DISTRICT

Item No		Quantity	Rate	Amount
<u>SECTION NO.3</u>				
<u>BILL NO.13</u>				
<u>GLAZING</u>				
For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades				
<u>GLAZING TO STEEL WITH PUTTY</u>				
1	Panes exceeding 0,1m2 and not exceeding 0,5m2	m2	3	
	<u>4mm Rough cast glass</u>			
2	Panes not exceeding 0,1m2	m2	3	
<u>MIRRORS, ETC</u>				
<u>6mm Silvered float glass copper backed mirrors with bevelled edges, holed for and fixed with chromium plated dome capped mirror screws with rubber buffers to plugs in brickwork or concrete</u>				
3	Mirror 400 x 600mm high with four screws	No	2	
Carried Forward to Summary of Section No. 3				R
Section No. 3				
BUILDING				
Bill No. 8				
GLAZING				

LDPWRI
REFURBISHMENT OF LEPHALALE VETERINARY LABORATORY
WATERBERG DISTRICT

Item No	Quantity	Rate	Amount
<u>SECTION NO.3</u>			
<u>BILL NO.14</u>			
<u>PAINTWORK</u>			
For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades			
<u>PREPARATORY WORK TO EXISTING WORK</u>			
<u>Previously painted plastered surfaces</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>Previously painted metal surfaces</u>			
Surfaces shall be thoroughly rubbed and cleaned down. Blistered or peeling paint shall be completely removed down to bare metal			
<u>Previously painted wood surfaces</u>			
Surfaces shall be thoroughly cleaned down. Blistered or peeling paint shall be completely removed and cracks and crevices shall be primed, filled with suitable filler and finished smooth			
<u>ON FLOATED PLASTER</u>			
		R	
Section No. 3 BUILDING Bill No. 9 PAINTWORK			

LDPWRI
REFURBISHMENT OF LEPHALALE VETERINARY LABORATORY
WATERBERG DISTRICT

	<u>Plascon Polvin Super Acrylic to interior new cement plaster. Surface to be dry, sound and clean and cured for a minimum of 14 days, with a moisture content measured with a Doser Hygrometer (or equivalent), of BD 2 scale - 8% or less. Prime with one coat Plascon Plaster Primer (UC 56) with an overcoating time of 16 hours and finish with two coats Polvin Super Acrylic (EPL) with 1 hour drying time between coats, for a maintenance cycle of 5 years in a C1 - inland environment.</u>		
1	On internal walls	m2	400
	<u>ON FIBRE-CEMENT</u>		
	<u>Plascon Polvin Super Acrylic to interior new fibre cement. Surface to be dry, sound and clean, with a moisture content, measured with a Doser Hygrometer (or equivalent), of BD 2 scale - 8% or less. Prime with one coat Plascon Plaster Primer (UC 56) with an overcoating time of 16 hours and finish with two coats Polvin Super Acrylic (EPL) with 1 hour drying time between coats, for a maintenance cycle of 5 years in a C1 - inland environment.</u>		
2	On ceilings and cornices	m2	300
	<u>ON METAL</u>		
	<u>Plascon Velvago Satin to interior new mild steel. Surface to be clean and dry. Remove surface contaminants using Metalcare Aquasolv Degreaser (GR 1) with bristle brush or Brillo pads. Rinse thoroughly with tap water until surface is water break-free. Remove rust and millscale by abrasive blasting to ISO 8501 - 01:1988 - Sa2½ or by hand/mechanical wire brushing to St3 of the same standard. Allow to dry completely and prime within 4 hours of cleaning. Prime with one coat Metalcare Mild Steel Primer (UC 501) with an overcoating time of 16 hours and finish with two coats Velvago Satin (VLO) with 16 hours drying time between coats, for a maintenance cycle of 7 years in a C1 - inland environment.</u>		
3	On door frames	m2	65
4	On windows with burglar bars	m2	70

Carried to Collection

Section No. 3
BUILDING
Bill No. 9
PAINTWORK

R

LDPWRI
REFURBISHMENT OF LEPHALALE VETERINARY LABORATORY
WATERBERG DISTRICT

5	On gates, grilles, burglar screens, balustrading, etc (both sides measured over the full flat area)	m2	10
6	On rails, bars, pipes, etc not exceeding 300 mm girth	m	20

ON WOOD

Plascon Velvagro Satin to interior new wood. Surface to be dry, sound and clean. Wash knots and resinous areas with Lacquer Thinners (ILS 1) and coat with Woodcare Knot Seal (PK 2) and apply one coat of Plascon Woodcare Pretreatment (WWP 1), overcoated within 48 hours with a moisture content, measured with a Doser Hygrometer (or equivalent), of BD 2 scale (A1-A5) < 14% or less. Prime with one coat Wood Primer (UC 2) with an overcoating time of 16 hours and finish with two coats Velvagro Satin (VLO) with 16 hours drying time between coats, for a maintenance cycle of 7 years in a C1 - inland environment.

7	On doors	m2	60
---	----------	----	----

Plascon Nuroof Acrylic Roof Paint to existing exterior galvanised steel. Scrub entire area with Sugar Soap solution to remove chalkiness and surface contaminants. Rinse thoroughly with tap water and allow to dry. Sand glossy materials to provide a key. Remove dust. Ensure surfaces are clean, dry and sound. Apply Plascon Galvanised Iron Primer (GIP 1) to bare and repaired areas. Allow 16 hours to dry. Finish with two coats Nuroof Acrylic Roof Paint (TRP) with 1 hour drying time between coats, for a maintenance cycle of 7 years in a C1 - inland environment.

Carried to Collection

Section No. 3
BUILDING
Bill No. 9
PAINTWORK

R

LDPWRI
REFURBISHMENT OF LEPHALALE VETERINARY LABORATORY
WATERBERG DISTRICT

Section No. 3

BUILDING

Bill No. 9

PAINTWORK

COLLECTION

Total Brought Forward from Page No.

Page
No

90

91

92

Amount

Carried Forward to Summary of Section No. 3

Section No. 3
BUILDING
Bill No. 9
PAINTWORK

R

LDPWRI
REFURBISHMENT OF LEPHALALE VETERINARY LABORATORY
WATERBERG DISTRICT

THE FOLLOWING PROVISIONAL SUMS ARE FOR
WORK TO BE EXECUTED BY SELECTED
SUBCONTRACTORS

The following Provisional Sums are for specialists work
to be executed by a selected Sub-contractor who upon
appointment in terms of the Conditions of Contract shall
be deemed to be a Domestic Sub-Contractor to the
Contractor

A Selected Sub-Contractor shall be a Sub-contractor
executing work for which a sum of money is provided for
in the Bills of Quantities or a Sub-contractor executing
additional specialist work which arises as a result of an
instruction by the Principal Agent/Engineer

Tender documents for such work shall be prepared by
the Principal Agent/Engineer in consultation with and to
the approval of the Contractor and such tender
document shall be issued by the Principal
Agent/Engineer to a list of tenderers agreed upon
between the Principal Agent/Engineer and Contractor.
Tenders shall be submitted to the Principal
Agent/Engineer

The Selected Sub-contractor shall be chosen by the
Principal Agent/Engineer and the Contractor, and the
Contractor shall satisfy himself that such selected sub-
contractor can meet the requirements of the Sub-
Contract agreement and the Contractor shall inform the
Principal Agent/Engineer accordingly

The procedure relating to the method of selection,
obtaining of tenders, adjudication thereof and the
appointment of the Selected Sub-contractor shall not
create any contractual relationship between the Client
and the Selected Sub-contractor

Joinery Fittings, etc.

- 1 Provide the amount of R 400 000.00 (four hundred
thousand rand) for the supply and installation of Joinery
Fittings by specialists
- 2 Allow for profit on above if required
- 3 Allow for giving every facility to Specialists as described

Item

400 000.00

Item

Item

Carried to Collection

R

Section No. 4
PROVISIONAL SUMS
Bill No. 1
PROVISIONAL SUMS

LDPWRI
REFURBISHMENT OF LEPHALALE VETERINARY LABORATORY
WATERBERG DISTRICT

<u>Carport</u>			
4	Provide the amount of R30 000,00 (Thirty thousand rand) for the supply and installation of carport by Specialists	Item	30 000,00
5	Allow for profit on above if required	Item	
6	Allow for giving every facility to Specialists as described	Item	
<u>Plumbing works</u>			
7	Provide the sum of R30 000,00 (thirty thousand rand) for plumbing works etc. by Specialists	Item	30 000,00
8	Allow for profit on above if required	Item	
9	Allow for giving every facility to Specialists as described	Item	
<u>Electrical works</u>			
10	Provide the sum of R 820 152 (eight hundred and twenty thousand one hundred and fifty two rand) for electrical works	Item	820 152,00
11	Allow for profit on above if required	Item	
12	Allow for giving every facility to Specialists as described	Item	
<u>Signage</u>			
13	Provide the sum of R10 000,00 (ten thousand rand) for signage etc. by Specialists	Item	10 000,00
14	Allow for profit on above if required	Item	
15	Allow for giving every facility to Specialists as described	Item	
<u>Window Blinds, etc</u>			
16	Provide the sum of R20 000,00 (twenty thousand rand) for window blinds by,Specialists	Item	20 000,00
17	Allow for profit on above if required	Item	
Carried to Collection			
Section No. 4			
PROVISIONAL SUMS			
Bill No. 1			
PROVISIONAL SUMS			

LDPWRI

REFURBISHMENT OF LEPHALALE VETERINARY LABORATORY
WATERBERG DISTRICT

18	Allow for giving every facility to Specialists as described	Item	
	<u>Community Liaison Officer</u>		
19	Provide the sum of R30 000,00 (thirty thousand rand) for community liaison officer @ R2500 per month	Item	30 000,00
20	Allow for profit on above if required	Item	
21	Allow for giving every facility to Specialists as described	Item	
	<u>Borehole, Watertank and stand complete</u>		
22	Provide the sum of R 200 000,00 (two hundred thousand rand only) for the drilling and equipping of a Borehole Complete by Specialists and for water tank stand complete with pump,pump cage and domestic purification system by Specialists.	Item	200 000,00
23	Allow for profit on above if required	Item	
24	Allow for attendance on Specialist as described	Item	
Carried to Collection			R
Section No. 4			
PROVISIONAL SUMS			
Bill No. 1			
PROVISIONAL SUMS			

LDPWRI
REFURBISHMENT OF LEPHALALE VETERINARY LABORATORY
WATERBERG DISTRICT

Section No. 4

PROVISIONAL SUMS

Bill No. 1

PROVISIONAL SUMS

COLLECTION

Total Brought Forward from Page No.

Page
No

95

96

97

98

Amount

Carried to Final Summary

R

Section No. 4
PROVISIONAL SUMS
Bill No. 1
PROVISIONAL SUMS

BILL 2

MOKOPANE LABORATORY

Item
No

Quantity

Rate

Amount

SECTION No. 1 BILL No. 1**PRELIMINARIES**

- i) The agreement is to be the JBCC Series 2000 Principal Building Agreement (Edition 4.1 Code 2101 March 2005) prepared by the Joint Building Contracts Committee
- ii) The preliminaries are to be the JBCC Series 2000 Preliminaries prepared by the Joint Building Contracts Committee, Code 2103 May 2005 Edition and shall be deemed to be incorporated herein
- iii) Tenderers are referred to the above mentioned documents for the full intent and meaning of each clause thereof (hereinafter referred to by heading and clause number only) for which such allowance must be made as may be considered necessary
- iv) Where standard clauses or alternatives are not entirely applicable to this contract such modifications, corrections or supplements as will apply are given under each relevant clause heading
- v) Where any item is not relevant to this specific contract such item is marked N/A (signifying "not applicable")
- vi) If Alternative A as set out in clause B10.3 hereinafter is to be used for the adjustment of the preliminaries each item priced is to be allocated to one or more of the three categories, where "F" denotes a fixed amount (amount not to be varied), "V" denotes an amount variable in proportion to value and "T" denotes an amount in proportion to time

**SECTION A: PRINCIPAL BUILDING AGREEMENT
READ IN CONJUNCTION WITH THE CONTRACT DATA****Carried to Collection**

R

Section No. 1

Bill No. 1

Preliminaries

MOKOPANE VETERINARY LAB RENOVATIONS

<u>Definitions (A1)</u>		
1	Definitions and interpretation (clause 1) Fixed	Item
2	Value Related	Item
3	Time Related	Item
<u>Objective (A2)</u>		
4	Offer acceptance and performance (clause 2)	
	Fixed	Item
5	Value Related	Item
6	Time Related	Item
<u>Preparation (A3-A14)</u>		
7	Documents (clause 3) Fixed	
		Item
8	Value Related	Item
9	Time Related	Item
10	Design responsibility (clause 4) Fixed	
		Item
11	Value Related	Item
12	Time Related	Item
13	Employer's agents (clause 5) Fixed	Item
14	Value Related	Item
15	Time Related	Item
16	Site representative (clause 6) Fixed	Item
17	Value Related	Item
Carried to Collection		
Section No. 1		
Bill No. 1		
Preliminaries		
MOKOPANE VETERINARY LAB RENOVATIONS		

R

18	Time Related	Item
19	Compliance with regulations (clause 7) Fixed	Item
20	Value Related	Item
21	Time Related	Item
22	Works risk (clause 8) Fixed	Item
23	Value Related	Item
24	Time Related	Item
25	Indemnities (clause 9) Fixed	Item
26	Value Related	Item
27	Time Related	Item
28	Works insurance (clause 10) Fixed	Item
29	Value Related	Item
30	Time Related	Item
31	Liability insurances (clause 11) Fixed	Item
32	Value Related	Item
33	Time Related	Item
34	Effecting insurance (clause 12) Fixed	Item
35	Value Related	Item
36	Time Related	Item
37	No clause (clause 13) Fixed	Item
38	Value Related	Item
39	Time Related	Item

Carried to Collection

R

Section No. 1

Bill No. 1

Preliminaries

MOKOPANE VETERINARY LAB RENOVATIONS

40	Security (clause 14) Fixed	Item	
41	Value Related	Item	
42	Time Related	Item	
<u>Execution (A15-A22)</u>			
43	Preparation for and execution of the works (clause 15) Fixed	Item	
44	Value Related	Item	
45	Time Related	Item	
46	Access to the works (clause 16) Fixed	Item	
47	Value Related	Item	
48	Time Related	Item	
49	Contract instructions (clause 17) Fixed	Item	
50	Value Related	Item	
51	Time Related	Item	
52	Assignment (clause 19) Fixed	Item	
53	Value Related	Item	
54	Time Related	Item	
55	Setting out of the works (clause 18) Fixed	Item	
56	Value Related	Item	
57	Time Related	Item	
Carried to Collection			R
Section No. 1			
Bill No. 1			
Preliminaries			
MOKOPANE VETERINARY LAB RENOVATIONS			

	The contractor shall notify the principal agent if any encroachments of adjoining foundations, buildings, structures, pavements, boundaries, etc. exist in order that the necessary arrangements may be made for the rectification of any such encroachments.	
58	Nominated subcontractors (clause 20) Fixed	Item
59	Value Related	Item
60	Time Related	Item
61	Selected subcontractors (clause 21) Fixed	Item
62	Value Related	Item
63	Time Related	Item
64	Employer's Direct Contractors (clause 22) Fixed	Item
65	Value Related	Item
66	Time Related	Item
67	Contractor's Domestic Sub-Contractors (Clause 23) Fixed	Item
68	Value Related	Item
69	Time Related	Item
	<u>Completion (A24-A30)</u>	
70	Practical completion (clause 24) Fixed	Item
71	Value Related	Item
72	Time Related	Item

Carried to Collection

R

Section No. 1

Bill No. 1

Preliminaries

MOKOPANE VETERINARY LAB RENOVATIONS

73	Works completion (clause 25) Fixed	Item
74	Value Related	Item
75	Time Related	Item
76	Final completion (clause 26) Fixed	Item
77	Value Related	Item
78	Time Related	Item
79	Latent defects liability period (clause 27) Fixed	Item
80	Value Related	Item
81	Time Related	Item
82	Sectional completion (clause 28) Fixed	Item
83	Value Related	Item
84	Time Related	Item
85	Revision of date of practical completion (clause 29) Fixed	Item
86	Value Related	Item
87	Time Related	Item
88	Penalty for non-completion (clause 30) Fixed	Item
89	Value Related	Item
90	Time Related	Item

Carried to Collection

R

Section No. 1

Bill No. 1

Preliminaries

MOKOPANE VETERINARY LAB RENOVATIONS

Payment (A31 - A35)

91	Interim payment to the contractor (clause 31) Fixed	Item
92	Value Related	Item
93	Time Related	Item
94	Adjustment to the contract value (clause 32) Fixed	Item
95	Value Related	Item
96	Time Related	Item
Notwithstanding the provisions of clause 32.13 fluctuations in costs shall not be adjusted as per heyillet formular (CPA)		
97	Recovery of expense and loss (clause 33) Fixed	Item
98	Value Related	Item
99	Time Related	Item
100	Final account and final payment (clause 34) Fixed	Item
101	Value Related	Item
102	Time Related	Item
103	Payment to other parties (clause 35) Fixed	Item
104	Value Related	Item
105	Time Related	Item

Cancellation (A36-A39)

106	Cancellation by employer - contractor's default (clause 36) Fixed	Item
107	Value Related	Item

Carried to Collection

R

Section No. 1

Bill No. 1

Preliminaries

MOKOPANE VETERINARY LAB RENOVATIONS

108	Time Related	Item
109	Cancellation by employer - loss and damage (clause 37) Fixed	Item
110	Value Related	Item
111	Time Related	Item
112	Cancellation by contractor - employer's default (clause 38) Fixed	Item
113	Value Related	Item
114	Time Related	Item
115	Cancellation - cessation of the works (clause 39) Fixed	Item
116	Value Related	Item
117	Time Related	Item
	<u>Dispute (A40)</u>	
118	Settlement of disagreements and disputes (clause 40) Fixed	Item
119	Value Related	Item
120	Time Related	Item
	<u>Contract variables (A41)</u>	
121	The schedule:Pre-tender information (clause 41) Fixed	Item
122	Value Related	Item
123	Time Related	Item
	Carried to Collection	
Section No. 1		
Bill No. 1		
Preliminaries		
MOKOPANE VETERINARY LAB RENOVATIONS		

R

41.1.3**Other Agents: Architect****DEPARTMENT OF PUBLIC WORKS ROADS AND
INFRASTRUCTURE LIMPOPO**

Postal Address:
Private Bag x 9490
POLOKWANE
0700

Physical Address:
43 Church Street
Polokwane
0699

Tel . (015) 284-7000 Fax (015) 284 7044
E-mail :

41.1.4**Other Agents : Quantity Surveyors****DEPARTMENT OF PUBLIC WORKS ROADS AND
INFRASTRUCTURE LIMPOPO**

Postal Address:
Private Bag x 9490
POLOKWANE
0700

Physical Address:
43 Church Street
Polokwane
0699

Tel . (015) 284-7000 Fax (015) 284 7044
E-mail :

Carried to Collection

Section No. 1
Bill No. 1
Preliminaries
MOKOPANE VETERINARY LAB RENOVATIONS

R

41.2 CONTRACT DETAILS**41.2.1 Works Description:**

The work consist of the construction of a new single storey traditional council building approximately **550m2**, guardhouse approximately **30m2** and general site works

41.2.2 Site Description:

The site is at Manangeng Village

41.2.3 Work for installation by direct contractors:

N/A

41.2.4 This agreement is for a government contract: contract where there are specific option that are

applicable to a state organ only

Yes

41.2.5 Date on which possession of the site is intended to be given:

Approximately within 14 (fourteen) calender days from the date of the letter of acceptance

41.2.6 Period for the commencement of the works is immediately after the contractor takes possession of the site**41.2.7 Completion in sections are required**

No

Carried to Collection

Section No. 1

Bill No. 1

Preliminaries

MOKOPANE VETERINARY LAB RENOVATIONS

R

41.2.8 Intended date of practical completion and the penalty per calendar day for the works as a whole:
12 calendar months from the date of the possession of the site and penalties will be 0.05% of the contract sum

Penalty per calendar day:
 0.05% of the Contract Sum per calendar day on which the completion of the work may be in arrears

SPECIAL COMPLETION REQUIREMENTS

Not applicable

124 41.2.9 Arbitration rules as recommended by the Association of Arbitrators (SA) Fixed

Item

125 Value Related

Item

126 Time Related

Item

127 41.2.10 The law applicable to this agreement shall be that of

South Africa Fixed

Item

128 Value Related

Item

129 Time Related

Item

Carried to Collection

R

Section No. 1

Bill No. 1

Preliminaries

MOKOPANE VETERINARY LAB RENOVATIONS

41.3 INSURANCES

130 41.3.1 Contract work's insurance

All risk and Public Liability Insurance for this contract shall be taken out by the Contractor in the joint names of the contractor and the employer. The cost of this insurance will be paid by the Contractor. Any excess in respect of a claim is to be paid for by the contractor

..

Item

131 41.3.2 Supplementary insurance:

Contractor shall be responsible for the taking out his own insurances for all plant and machinery used in the execution of this contract. The cost of this insurance shall be borne by the contractor. Fixed

Item

132 Value Related

Item

133 Time Related

Item

134 41.3.3 Public liability insurance to be effected by contractor

See clause 42.3.1 Fixed

Item

135 Value Related

Item

136 Time Related

Item

41.4 DOCUMENTS

41.4.1 Waivers of contractors lien is required

Yes

41.4.2 Number of construction document copies to be supplied free of charge: Three

Carried to Collection

R

Section No. 1

Bill No. 1

Preliminaries

MOKOPANE VETERINARY LAB RENOVATIONS

41.4.3 State other system if document is not drawn up in accordance with the Standard System of Measuring Building Work (6th Edition) (Revised) 1999

41.4.4 Number of days for submission of priced documents:

7 working days

Notwithstanding the provisions of Clause 41.4.4, no payments will be certified unless the priced document

are agreed with the Quantity surveyors.

41.4.5 JBCC N/S Subcontract Agreement are to be included in the documents:

No

41.4.6 Alternative if contract value is not adjusted using CPAP:

Prices and rates shall remain firm and fixed, there shall be no adjustment of the tender amounts

41.4.7 Details of changes made to the provision of JBCC standard documentation:

Payment will be made 21 days after issue of a payment certificate.

The Contractor shall issue a Tax Invoice immediately to enable the Employer to process payment. For accounting purposes, the Employer's VAT number as required by current legislation on the Tax invoice is to be advised

SECTION B: PRELIMINARIES

Definition and interpretation (B1)

137	Definition and interpretation (B1.1 - B1.6.5) Fixed	Item
138	Value Related	Item
139	Time Related	Item

Carried to Collection

Section No. 1

Bill No. 1

Preliminaries

MOKOPANE VETERINARY LAB RENOVATIONS

R

	<u>Documents (B2)</u>			
140	Checking of documents (B2.1) Fixed	Item		
141	Value Related	Item		
142	Time Related	Item		
143	These bills of quantities contain pages and annexures as indexed on the flyleaf			
	The items in these bills of quantities are to be read and priced in conjunction with and the descriptions regarded as amplified by the Model Preambles for Trades as recommended and published by the Association of South African Quantity Surveyors, 2008 edition, and no claim arising from brevity of description of items fully described in the said Model Preambles for Trades will be entertained			
		Item		
144	Provisional bills of quantities (B2.2) Fixed	N/A		
145	Value Related	Item		
146	Time Related	Item		
147	Availability of construction documentation for contracts based on provisional bills of quantities (B2.3) Fixed			
		Item		
148	Value Related	Item		
149	Time Related	Item		
150	Interests of agents (B2.4) Fixed	Item		
151	Value Related	Item		
152	Time Related	Item		
153	Priced documents (B2.5) Fixed	Item		
154	Value Related	Item		
155	Time Related	Item		
	Carried to Collection		R	
	Section No. 1			
	Bill No. 1			
	Preliminaries			
	MOKOPANE VETERINARY LAB RENOVATIONS			

156	Tender submission (B2.6) Fixed	Item
157	Value Related	Item
158	Time Related	Item
159	Notwithstanding anything contained in this clause tenders shall be valid for a period of 45 days from the closing date of tenders Fixed	Item
160	Value Related	Item
161	Time Related	Item
	<u>The site (B3)</u>	
162	Defined works area (B3.1) Fixed	Item
163	Value Related	Item
164	Time Related	Item
165	The area of the works to be occupied by the contractor, any restriction on the area and the limit of access or exit will be pointed out to the contractor by the principal agent at the official site briefing meeting.	Item
166	Geotechnical investigation (B3.2) Geotechnical information will be made available to the successful bidder at the site handover meeting Fixed	Item
167	Value Related	Item
168	Time Related	Item

Carried to Collection

R

Section No. 1

Bill No. 1

Preliminaries

MOKOPANE VETERINARY LAB RENOVATIONS

169	Inspection of the site (B3.3)		
	It remains the responsibility of the bidder to visit the project site on his / her own to check and acquaint themselves with the site and its conditions before submitting a tender as no claims will be entertained later.		
		Item	
170	No claims for extras arising from the contractor having failed to comply with this clause will be entertained Fixed	Item	
171		Value Related	Item
172		Time Related	Item
173	Existing premises occupied (B3.4) Fixed	Item	
174		Value Related	Item
175		Time Related	Item
176	Previous work - dimensional accuracy (B3.5) Fixed	Item	
177		Value Related	Item
178		Time Related	Item
179	Previous work - defects (B3.6) Fixed	Item	
180		Value Related	Item
181		Time Related	Item
182	Services - known (B3.7) Fixed	Item	
183		Value Related	Item
184		Time Related	Item
185	Services - unknown (B3.8) Fixed	Item	

Carried to Collection

R

Section No. 1

Bill No. 1

Preliminaries

MOKOPANE VETERINARY LAB RENOVATIONS

186	Value Related	Item
187	Time Related	Item
188	Protection of trees etc (B3.9) Fixed	Item
189	Value Related	Item
190	Time Related	Item
191	Articles of value (B3.10) Fixed	Item
192	Value Related	Item
193	Time Related	Item
194	Inspection of adjoining properties etc (B3.11) Fixed	Item
195	Value Related	Item
196	Time Related	Item
	<u>Management of contract (B4)</u>	
197	Management of the works (B4.1) Fixed	Item
198	Value Related	Item
199	Time Related	Item
200	Progress meetings (B4.3) Fixed	Item
201	Value Related	Item
202	Time Related	Item
203	Technical meetings (B4.4) Fixed	Item
204	Value Related	Item
205	Time Related	Item
	<u>Samples and shop drawings and manufacturer's instructions (B5)</u>	
206	Samples of materials (B5.1) Fixed	Item

Carried to Collection

R

Section No. 1

Bill No. 1

Preliminaries

MOKOPANE VETERINARY LAB RENOVATIONS

207	Value Related	Item
208	Time Related	Item
209	Workmanship samples (B5.2) Fixed	Item
210	Value Related	Item
211	Time Related	Item
212	Shop drawings (B5.3) Fixed	Item
213	Value Related	Item
214	Time Related	Item
<u>Temporary works and plant (B6)</u>		
215	Deposits and fees (B6.1) Fixed	Item
216	Value Related	Item
217	Time Related	Item
218	Enclosure of the works (B6.2) Fixed	Item
219	Value Related	Item
220	Time Related	Item
221	Advertising (B6.3) Fixed	Item
222	Value Related	Item
223	Time Related	Item
224	Plant, equipment, sheds and offices (B6.4) Fixed	Item
225	Value Related	Item
226	Time Related	Item
227	Main notice board (B6.5) Fixed	Item

Carried to Collection

R

Section No. 1

Bill No. 1

Preliminaries

MOKOPANE VETERINARY LAB RENOVATIONS

228	Value Related	Item
229	Time Related	Item
230	Subcontractors notice board (B6.6) Fixed	Item
231	Value Related	Item
232	Time Related	Item
<u>Temporary services (B7)</u>		
233	Location (B7.1) Fixed	Item
234	Value Related	Item
235	Time Related	Item
236	Water (B7.2) Fixed	Item
237	Value Related	Item
238	Time Related	Item
239	Electricity (B7.3) Fixed	Item
240	Value Related	Item
241	Time Related	Item
242	Telecommunication equipment (B7.4) Fixed	Item
243	Value Related	Item
244	Time Related	Item
245	Ablution facilities (B7.5) Fixed	Item
246	Value Related	Item
247	Time Related	Item
<u>Prime cost amounts (B8)</u>		
248	Responsibility for prime cost amounts (B8.1) Fixed	Item

Carried to Collection

R

Section No. 1

Bill No. 1

Preliminaries

MOKOPANE VETERINARY LAB RENOVATIONS

249	Value Related	Item
250	Time Related	Item
<u>Attendance on N/S Subcontractors (B9)</u>		
251	General attendance (B9.1) Fixed	Item
252	Value Related	Item
253	Time Related	Item
254	Special attendance (B9.2) Fixed	Item
255	Value Related	Item
256	Time Related	Item
257	Commissioning - Fuel, water and power (B9.3) Fixed	Item
258	Value Related	Item
259	Time Related	Item
<u>Financial aspects (B10)</u>		
260	Statutory taxes, duties and levies (B10.1) Fixed	Item
261	Value Related	Item
262	Time Related	Item
263	Provision for Value Added Tax (VAT) is made in the Final Summary. Fixed	Item
264	Value Related	Item
265	Time Related	Item
266	Payment of preliminaries (B10.2) Fixed	Item
267	Value Related	Item
268	Time Related	Item
Carried to Collection		
Section No. 1		
Bill No. 1		
Preliminaries		
MOKOPANE VETERINARY LAB RENOVATIONS		

R

269	Adjustment of preliminaries (B10.3) Fixed	Item	
270	Value Related	Item	
271	Time Related	Item	
272	Payment certificate cash flow (B10.4) Fixed	Item	
273	Value Related	Item	
274	Time Related	Item	
275	Contractor information supply (B10.5) Fixed	Item	
276	Value Related	Item	
277	Time Related	Item	
	<u>General (B11)</u>		
278	Protection of works (B11.1) Fixed	Item	
279	Value Related	Item	
280	Time Related	Item	
281	Protection/isolation of existing/sectionally occupied works (B11.2) Fixed	Item	
282	Value Related	Item	
283	Time Related	Item	
284	Site security (B11.3) Fixed	Item	
285	Value Related	Item	
286	Time Related	Item	
287	Notice before covering work (B11.4) Fixed	Item	
288	Value Related	Item	
289	Time Related	Item	
	Carried to Collection		R
	Section No. 1		
	Bill No. 1		
	Preliminaries		
	MOKOPANE VETERINARY LAB RENOVATIONS		

290	Disturbance (B11.5) Fixed	Item
291	Value Related	Item
292	Time Related	Item
293	Works cleaning and clearing (B11.6) Fixed	Item
294	Value Related	Item
295	Time Related	Item
296	Vermin (B11.7) Fixed	Item
297	Value Related	Item
298	Time Related	Item
299	Overhand work (B11.8) Fixed	
		Item
300	Value Related	Item
301	Time Related	Item
	<u>Schedule of variables (B12)</u>	
302	Pre-tender information (B12.1) Fixed	Item
303	Value Related	Item
304	Time Related	Item
<p>Information necessary for elections and completion of those clauses contained in the schedule which are necessary for tender purposes is given hereunder. Where no information is given it shall mean that either no details or specific requirements are available or that the clause is not relevant to this specific contract</p>		
<p style="text-align: right;">Carried to Collection</p>		
<p>Section No. 1 Bill No. 1 Preliminaries MOKOPANE VETERINARY LAB RENOVATIONS</p>		

R

- 12.1.1 Provisional bills of quantities (B2.2)
The quantities are provisional: Yes
- 12.1.2 Availability of construction documentation (B2.3)
Construction documentation is complete Yes
- 12.1.3 Interest of agents (B2.4)
N/A
- 12.1.4 Defined works area (B3.1)
See site information
- 12.1.5 Geotechnical investigation (B3.2)
To obtain from the Project Geotechnical Specialist
Geotechnical information will be made available to the successful bidder at the site handover meeting
- 12.1.6 Existing premises occupied (B3.4)
- 12.1.7 Services - known (B3.7)
Existing services and points of connection will be pointed out to the successful contractor by the principal agent
- 12.1.8 Protection of trees (B3.9)
- 12.1.9 Inspection of adjoining properties (B3.11)
- 12.1.10 Enclosure of the works (B6.2)

Carried to Collection

R

Section No. 1
Bill No. 1
Preliminaries

MOKOPANE VETERINARY LAB RENOVATIONS

12.1.11 Offices (B6.4.3)

The contractor shall provide, maintain and remove on completion of the work an office minimum size 4 x 6 x 3m high internally, suitably insulated and ventilated, provided with electric lighting and fitted with boarded floor, desk, chair, and lockup drawer for drawings. The office shall be kept clean and fit for use at all times

12.1.12 Main notice board (B6.5)

The contractor shall provide, erect where directed, maintain and remove on completion of the works a notice board size 3 x 3m, all constructed of suitable boarding with flat smooth surface and with edging bead 19mm thick all round outer edges and projecting 12mm from face of boarding and rounded on front edge. The board shall be securely fixed to hoarding, where hoarding is provided, or fixed to and including a suitable supporting structure of timber or tubular posts and braces. The board is to be painted ivory white and the bead and 12mm wide dividing lines, deep blue. All wording shall be inscribed in deep blue painted "sans serif" lettering

12.1.13 Subcontractors notice board (B6.6)

A notice board is required

No

12.1.14 Water (B7.2)

Contractor to provide

12.1.15 Electricity (B7.3)

Contractor to provide

12.1.16 Telecommunications (B7.4)

Contractor to provide

12.1.17 Ablution facilities (B7.5)

Contractor to provide

12.1.18 Special attendance (B9.2)

Carried to Collection

R

Section No. 1

Bill No. 1

Preliminaries

MOKOPANE VETERINARY LAB RENOVATIONS

	12.1.19 Protection of the works (B11.1)			
	12.1.20 Protection of existing/sectionally occupied works (B11.2) Protection is required	Yes		
	12.1.21 Disturbance (B11.5) The contractor's attention is drawn to the fact that certain portions of the Works will be constructed in the vicinity of built up areas, The contractor shall exercise all necessary precautions to ensure the safety and convenience of the public.			
305	Post tender information (B12.2) Fixed		Item	
306		Value Related	Item	
307		Time Related	Item	
	12.2.1 Payment of preliminaries Alternative selected: (B)			
	12.2.2 Adjustment of preliminaries Alternative selected: (A)			
	12.2.3 Additional agreed preliminaries item N/A			
	<u>SECTION C: SPECIFIC PRELIMINARIES</u>			
308	PROPRIETARY BRANDED PRODUCTS The contractor shall take delivery of, handle, store, use apply and/or fix all proprietary branded products in strict accordance with the manufacturers' instruction after consultation with the manufacturer's authorized representative Fixed		Item	
	Carried to Collection			R
	Section No. 1 Bill No. 1 Preliminaries MOKOPANE VETERINARY LAB RENOVATIONS			

309	Value Related	Item
310	Time Related	Item
311	OVERTIME	
	Should overtime be required to be worked for any reason whatsoever, the costs of such overtime are to be borne by the contractor unless the principal agent has specifically authorized in writing, prior to the execution thereof, that costs for such overtime are to be borne by the employer. Fixed	
		Item
312	Value Related	Item
313	Time Related	Item
314	AS BUILT DRAWINGS	
	The position of construction breaks and the extent of individual concrete pours are to be recorded by the contractor on the structural engineer's drawings and are to be submitted to the principal agent and the structural engineer for their records. Fixed	
		Item
315	Value Related	Item
316	Time Related	Item
317	SITE INSTRUCTIONS	
	Site instructions issued on site are to be recorded in triplicate in a site instruction book which is to be maintained on site by the contractor Fixed	
		Item
318	Value Related	Item
319	Time Related	Item
	Carried to Collection	
	Section No. 1	
	Bill No. 1	
	Preliminaries	
	MOKOPANE VETERINARY LAB RENOVATIONS	

R

320 **LABOUR RECORD**

At the end of each week the contractor shall provide the principal agent with a written record, in schedule form, reflecting the number and description of tradesmen and labourers employed by him and all subcontractors on the works each day. Fixed

Item

321 Value Related

Item

322 Time Related

Item

323 **PLANT RECORD**

At the end of each week the contractor shall provide the principal agent with a written record, in schedule form, reflecting the number, type and capacity of all plant, excluding hand tools, currently used on the works. Fixed

Item

324 Value Related

Item

325 Time Related

Item

326 **NON CESSION OF MONIES**

The contractor shall not cede nor assign his rights or claims to any monies due or to become due under this contract Fixed

Item

327 Value Related

Item

328 Time Related

Item

329 **BLACK ECONOMIC EMPOWERMENT**

The contractor shall study and acquaint himself with the guidelines of the Black Economic Empowerment Act, and demonstrate his compliance with the requirements of the Act. Fixed

Item

330 Value Related

Item

331 Time Related

Item

Carried to Collection

R

Section No. 1

Bill No. 1

Preliminaries

MOKOPANE VETERINARY LAB RENOVATIONS

332	LOCAL LABOUR		
	The contractor shall make use of local labour. It is desirable by the Employer that all unskilled labour be recruited from the local areas of the vicinity of the Works. The contractor will demonstrate his effort to fulfill compliance with this requirement Fixed	Item	
333	Value Related	Item	
334	Time Related	Item	
335	LABOUR DESK		
	The contractor shall establish a labour desk on site with a dedicated office of maximum 9m2 with and including a desk, 2 chairs and electricity. From the labour desk, the contractor will appoint a dedicated community liaison officer. The community liaison officer will be employed by and will report to the contractor, who will in turn forward such reports to the Principal Agent. Fixed	Item	
336	Value Related	Item	
337	Time Related	Item	
338	SITE ACCOMMODATION STORAGE		
	Provide an office facilities for Principal Agent Representative (to include desk, 2chairs and Electricity per office) Provide meeting Facility to accommodate 12 chairs Provide Ablution facilities for the above Fixed	Item	
339	Value Related	Item	
340	Time Related	Item	
341	HEALTH AND SAFETY ACT (Act 85 of 1993)		
	Compliance with the Occupational Health and Safety Act (Act 85 of 1993) and all relevant and applicable regulations, especially the Construction Health & Safety Act (Act 85 of 1993) (as amended) for the duration of the contract Fixed	Item	
342	Value Related	Item	
	Carried to Collection		
	Section No. 1		
	Bill No. 1		
	Preliminaries		
	MOKOPANE VETERINARY LAB RENOVATIONS		

R

343	Time Related	Item	
344	Provisions of OH&S Plan prior to commencement of works as well as a full consolidated copy of such plan at the completion of construction work inclusive of a record of all drawings, designs, copies of statutory appointments, material used and other similar information concerning completed contract	Item	
345	Implementation of approved OHS Plan for duration of contract, including daily/weekly inspections, monthly meetings, required audits, consolidated health and safety file, etc	Item	
346	Registration with Compensation Fund or approved /licensed compensation insurer	Item	
347	Full time competent employee of the Contractor as safety construction supervisor and assistant safety construction supervisors for duration of contract	Item	
348	Health and safety training and induction requirements of all persons entering the site	Item	
349	HIV AND AIDS POLICY		
	Observation of all legislation, policies and by-laws regulating the "AIDS" endemic and "HIV" prevention, treatment and observation	Item	
	<u>Provision of Training Allowance in terms of EPWP prescripts</u>		
350	Training allowance paid to targeted labour in terms of formal training days	PDT	
351	Extra over for the administration payment of training allowances to targeted labour (25% of training allowance)	Item	
352	Transport and accommodation of workers for training where it is not possible to undertake the training in close proximity to the site (Provisional Sum)	Item	
	Carried to Collection		R
	Section No. 1		
	Bill No. 1		
	Preliminaries		
	MOKOPANE VETERINARY LAB RENOVATIONS		

Section No. 1

Bill No. 1

Preliminaries

COLLECTION

Total Brought Forward from Page No.

Page
No

Amount

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

Carried Forward

R

Section No. 1

Bill No. 1

Preliminaries

MOKOPANE VETERINARY LAB RENOVATIONS

Section No. 1

Bill No. 1

Preliminaries

COLLECTION

Brought Forward

Total Brought Forward from Page No.

Page
No

Amount

R

21

22

23

24

25

26

27

28

29

30

Carried to Final Summary

R

Section No. 1

Bill No. 1

Preliminaries

MOKOPANE VETERINARY LAB RENOVATIONS

SECTION 2

ALTERATIONS

SUPPLEMENTARY PREAMBLES

[View site](#)

Before submitting his tender the contractor 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 contained in the buildings or portions of the buildings to be demolished. 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

Explosives

No explosives whatsoever may be used for demolition purposes unless otherwise stated

General

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 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

Water supply pipes and other piping that may be encountered and found necessary to disconnect or cut, shall be effectually stopped off or grubbed up and removed, and any new connections that may be necessary shall be made with proper fittings, to the satisfaction of the principal agent

Carried to Collection

Section No. 2

Bill No. 1

Alterations

MOKOPANE VETERINARY LAB RENOVATIONS

Quantity

Rate

Amount

R

Doors, fanlights, fittings, frames, linings, etc which are to be re-used shall be thoroughly overhauled before refixing including taking off, easing and rehanging, cramping up, re-wedging as required and making good cramps, dowels, etc, and easing, 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

Prices for taking out of doors, windows, etc shall include for removal of all beads, architraves, ironmongery, etc

Prices for taking out and removing doors and frames shall include for removing door stops, cabin hooks, etc and making good floor and wall finishes to match existing

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

Making good of finishes shall include making good of the brick and concrete surfaces onto which the new finishes are applied, where necessary

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, etc)

REMOVAL OF EXISTING WORK

Removal of ceilings, partitioning etc

1	Damaged ceilings	m2	401
2	Fascia and barge boards	m	174
<u>Removal of rainwater goods</u>			
3	Down pipes	m	50
4	Gutters	m	110

Carried to Collection

Section No. 2

Bill No. 1

Alterations

MOKOPANE VETERINARY LAB RENOVATIONS

R

	<u>Removal of sanitary wares</u>		
5	Water closets	No	3
	<u>Taking out and removing ironmongery</u>		
6	Locks	No	3
	<u>Removal of electrical works</u>		
7	Fluorescent lights	No	6
	<u>Taking out and removing doors, windows etc</u>		
8	Single doors	No	3
	<u>Taking out/off and removing glass and mirrors</u>		
9	Glass from steel windows, including cleaning out rebates and preparing for new glass	m2	2
	<u>MAKING GOOD OF FINISHES ETC</u>		
	<u>Making good of walls in preparation for new paint</u>		
10	Walls	m2	1 414
	<u>Cleaning of floors</u>		
11	Strip and seal vinyl floor tiles	m2	400

Carried to Collection

Section No. 2

Bill No. 1

Alterations

MOKOPANE VETERINARY LAB RENOVATIONS

R

Section No. 2

Bill No. 1

Alterations

COLLECTION

Total Brought Forward from Page No.

Page
No

33

34

35

Amount

Carried to Final Summary

R

Section No. 2

Bill No. 1

Alterations

MOKOPANE VETERINARY LAB RENOVATIONS

Item No		Quantity	Rate	Amount
	<u>SECTION No. 2BILL No. 3</u>			
	<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>			
	<u>PREAMBLES</u>			
	For Preambles see "Model Preambles For Trades"			
	<u>STEEL REINFORCEMENT</u>			
	<u>15Mpa/19mm Concrete</u>			
1	Apron	m3	3	
2	Ref 193 mesh reinforcement	m2	125	
	<u>REINFORCED CONCRETE</u>			
	<u>25 MPa/19mm Concrete</u>			
3	Aprons	m3	20	
	<u>TEST BLOCKS</u>			
4	Making and testing a set of three 150 x 150 x 150mm concrete strength test cube (Provisional)	No	12	
	<u>SMOOTH FORMWORK (DEGREE OF ACCURACY II)</u>			
	<u>Smooth formwork to sides</u>			
5	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	83	
	Carried Forward to Summary of Section No. 3			
	Section No. 3			
	Bill No. 1			
	Concrete, Formwork and Reinforcement			
	MOKOPANE VETERINARY LAB RENOVATIONS			

R

Waterproofing

PREAMBLES

For Preambles see "Model Preambles For Trades"

Match to existing

Waterproofing

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

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

SEALANTS ETC

Bitumen rubber waterproofing

1	On roofs	m2	880
---	----------	----	-----

Carried Forward to Summary of Section No. 3

Section No. 3

Bill No. 4

Waterproofing

MOKOPANE VETERINARY LAB RENOVATIONS

Rate

Amount

SECTION No. 2 BILL No. 5

PREAMBLES

For Preambles see "Model Preambles For Trades"

SUPPLEMENTARY PREAMBLES

Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. Items, materials or methods of similar quality may be used with prior approval from the architect

Finishes to ironmongery

Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list

BS	Satin bronze lacquered
CH	Chromium plated
SC	Satin chromium plated
SE	Silver enamelled
GE	Grey enamelled
AS	Anodised silver
AB	Anodised bronze
AG	Anodised gold
ABL	Anodised black
PB	Polished brass
PL	Polished and lacquered
PT	Epoxy coated
SD	Sanded

Fixing

Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs in brickwork or concrete

References

References in brackets at the end of descriptions refer to the Architect's schedules

LOCKS

Carried to Collection

B

Section No. 3

Bill No. 5.

Ironmongery

MOKOPANE VETERINARY LAB RENOVATIONS

"Union"

1	Three lever double cylinder lockset code 2222 or similar with Gower Handel code CZ682-05 SC complete with striking plate fixed to metal	No	3
2	Four-lever lockset with striking plate fixed to metal	No	1
3	Bathroom indicator Lock	No	3

Carried to Collection

Section No. 3

Bill No. 5

Ironmongery

MOKOPANE VETERINARY LAB RENOVATIONS

R

Section No. 3

Bill No. 5

Ironmongery

COLLECTION

Total Brought Forward from Page No.

Page
No

41

42

Amount

Carried Forward to Summary of Section No. 3

R

Section No. 3

Bill No. 5

Ironmongery

MOKOPANE VETERINARY LAB RENOVATIONS

PLUMBING AND DRAINAGE (PROVISIONAL?)

Where fittings have reducing ends or branches they are described as "reducing" and only the largest end or branch size is given. Should the contractor wish to use other fittings and bushes or reducers he may do so on the understanding that no claim in this regard will be entertained.

Unless specifically otherwise stated, descriptions of pipes shall be deemed to include fixing to walls, etc, casting in, building in or suspending not exceeding 1m below suspension level

Pipes shall be laid and bedded in accordance with manufacturers' instructions and trenches shall be carefully backfilled

Where no manufacturers' instructions exist, pipes shall be laid in accordance with the relevant section of SANS 2001

Descriptions of cast iron roof outlets shall be deemed to include joints to pipes and casting into concrete (adaptors for joints to PVC pipes, etc are given separately)

Descriptions of overflow pipes where measured in number, shall be deemed to include joints to cisterns and splay cut ends

R

MOKOPANE VETERINARY LAB RENOVATIONS

Descriptions of pipes laid in and including trenches and of inspection chambers, catchpits, etc shall be deemed to include excavation, bedding, backfilling, compaction to a minimum of 7% Mod AASHTO density and disposal of surplus material on site

Descriptions of service pipes and flexible connecting pipes shall be deemed to include connections to taps, cisterns, etc and to steel pipes (adaptors for connections to copper pipes, etc are given separately)

Descriptions of WC pans, slop hoppers, etc shall be deemed to include for joints to soil pipes (pan connectors are separately measured)

As-built drawings

Where required, the contractor shall prepare an updated set of as-built drawings. At completion of the contract the contractor shall hand these drawings to the principal agent for reproducing onto the originals for handing over to the employer (provision for allowance of as-built drawings elsewhere)

RAINWATER DISPOSAL

0.6mm Galvanised sheet steel gutters and rainwater pipes with powder coated finish on outside.

1	100 x 75mm Rainwater gutters	m	110
2	Extra over gutter for stopped end	No	8
3	Extra over gutter for angle	No	7
4	Extra over gutter for outlet for 75 x 75mm pipe	No	7
5	75 x 75mm diameter rainwater pipes fixed to columns, etc	m	50
6	Extra over rainwater pipe for bend	No	7
7	Extra over rainwater pipe for eaves or plinth offset	No	3
8	Extra over rainwater pipes for shoe	No	7

SANITARY FITTINGS

Carried to Collection

Section No. 3

Bill No. 6

Plumbing and drainage

MOKOPANE VETERINARY LAB RENOVATIONS

R

	<u>Manufactured by "?"</u>		
9	Toilet water coupled suite(wc) mounted to floor	No	4
	<u>TAPS, VALVES, ETC</u>		
10	Cobra star pillar tap	No	16
	<u>ELECTRIC WATER HEATERS</u>		
	<u>Manufactured by "?"</u>		
11	100 Litre "Kwikot" ceiling electric water heater	No	2
12	150 Litre "Kwikot" ceiling electric water heater	No	2
	<u>FIRE APPLIANCES ETC</u>		
13	4.5kg dry chemical powder fire extinguisher	No	4
	<u>Testing</u>		
14	Testing fire water pipe system		Item

Carried to Collection

Section No. 3

Bill No. 6

Plumbing and drainage

MOKOPANE VETERINARY LAB RENOVATIONS

R

Section No. 3

Bill No. 6

Plumbing and drainage

COLLECTION

Total Brought Forward from Page No.

Page
No

44

45

46

Amount

Carried Forward to Summary of Section No. 3

Section No. 3

Bill No. 6

Plumbing and drainage

MOKOPANE VETERINARY LAB RENOVATIONS

R

One primer, one undercoat and two coats alkyd enamel paint on steel

7	On grille gates and screens (both sides measured on flat)	m2	9
<u>One coat undercoat and two coats polyurethane enamel. Sandpaper lightly between coats. Colour to be determined on site</u>			
8	On windows with burglar bars	m2	40
9	On door frames	m2	51
10	On down pipes	m	74
11	On gutters	m	110
12	On roof surface	m2	880

Carried to Collection

Section No. 3

Bill No. 7

Paintwork

MOKOPANE VETERINARY LAB RENOVATIONS

R

Section No. 3

Bill No. 7

Paintwork

COLLECTION

Total Brought Forward from Page No.

Page
No

48

49

Amount

Carried Forward to Summary of Section No. 3

Section No. 3

Bill No. 7

Paintwork

MOKOPANE VETERINARY LAB RENOVATIONS

R

Bill No	SECTION SUMMARY - BUILDING WORK	Page No	Amount
1	Concrete,Formwork and Reinforcement	37	
2	Carpentry and Joinery	38	
3	Ceilings and partitioning etc	39	
4	Waterproofing	40	
5	Ironmongery	43	
6	Plumbing and drainage	47	
7	Paintwork	50	
8	Glazing	51	
			R
Carried to Final Summary			
Section No. 3			
MOKOPANE VETERINARY LAB RENOVATIONS			

Item No	Quantity	Rate	Amount
<u>SECTION NO.3</u>			
<u>BILL NO.1</u>			
<u>SOIL DRAINAGE</u>			
<u>SEPTIC TANK</u>			
<u>EARTHWORKS</u>			
For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>Nature of ground</u>			
Use "assumed to be" if no trial holes, soils investigations, etc have been carried out - discuss with engineer. Use "Trial holes indicate that" where the ground has been investigated by means of trial holes			
<u>Nature of ground</u>			
Descriptions of excavations shall be deemed to include all ground conditions classifiable as "earth" and where conditions of a more difficult character are indicated these are separately measured			
<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 and also transport of such material to the dumping site.			
Carried to Collection			R
Section No. 4			
Bill No. 1			
SOIL DRAINAGE			
MOKOPANE VETERINARY LAB RENOVATIONS			

Filling

Notwithstanding the reference to prescribed multiple handling in clause 1 page 6 of the Standard System of Measuring Building Work, prices for filling and backfilling shall include for all selection and any multiple handling of material.

Soil poisoning

Ant and weed poisoning will be applied in accordance to **SABS/SANS** specifications by Registered and Approved Specialists who will issue a five (5) year guarantee. **The contractor will only be paid for this items once they have produced the said certificate to the Principal Agent and all is in order in this regard.**

SITE CLEARANCE ETC**Site clearance**

- | | | | |
|---|--|----|----|
| 1 | Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc | m2 | 42 |
|---|--|----|----|

EXCAVATION, FILLING, ETC**Excavation in earth not exceeding 2m deep**

- | | | | |
|---|---------------------------------------|----|----|
| 2 | Excavation in earth excavation n.e 2m | m3 | 31 |
|---|---------------------------------------|----|----|

Extra over all excavations for carting away

- | | | | |
|---|---|----|----|
| 3 | Surplus material from excavations on site to a dumping site to be located by the contractor | m3 | 25 |
|---|---|----|----|

Keeping excavations free of water

- | | | | |
|---|---|------|--|
| 4 | Keeping excavations free of all water other than subterranean water | Item | |
|---|---|------|--|

Carried to Collection

Section No. 4

Bill No. 1

SOIL DRAINAGE

MOKOPANE VETERINARY LAB RENOVATIONS

R

	<u>Compaction of surfaces</u>		
5	Compaction of ground surface under floors etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% Mod AASHTO density	m2	12
	<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>		
	<u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>		
	<u>25MPa/19mm concrete</u>		
6	Slab	m3	5
	<u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>		
	<u>FINISHING TOP SURFACE OF CONCRETE</u>		
	<u>Finishing top surfaces of concrete smooth with a wood float/steel trowel</u>		
7	Surface beds, slabs, etc (rainwater tanks)	m2	16
	<u>SMOOTH FORMWORK (DEGREE OF ACCURACY I)</u>		
	<u>REINFORCEMENT</u>		
	<u>Fabric reinforcement</u>		
8	Ref 193 mesh steel reinforcement in concrete walls, etc	m2	18
	<u>BRICKWORK</u>		
	<u>Brickwork of NFP bricks in class II mortar</u>		
9	Half brick walls	m2	7
	Carried to Collection		
	Section No. 4		
	Bill No. 1		
	SOIL DRAINAGE		
	MOKOPANE VETERINARY LAB RENOVATIONS		

R

10	One brick walls	m2	22
<u>PLASTERING</u>			
<u>PREAMBLES</u>			
For Preambles see "Model Preambles For Trades"			
<u>INTERNAL PLASTER</u>			
<u>Cement plaster on brickwork</u>			
11	On vertical surfaces	m2	35
<u>PLUMBING AND DRAINAGE</u>			
<u>(PROVISIONAL)</u>			
<u>PREAMBLES</u>			
For Preambles see "Model Preambles For Trades"			
<u>SUBSOIL DRAINAGE</u>			
<u>uPVC pipes</u>			
12	110mm Pipes laid in and including trenches not exceeding 1m deep	m	60
<u>Extra over uPVC pipes for fittings</u>			
13	50mm Bend	No	3
<u>Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 90% Mod AASHTO density</u>			
14	As backfilling to drain pipe	m3	21
<u>Manhole</u>			
Carried to Collection			
Section No. 4			
Bill No. 1			
SOIL DRAINAGE			
MOKOPANE VETERINARY LAB RENOVATIONS			

R

uPVC pipes

15 1500mm Diameter precast manhole interlocking ring
with a depth of 1500mm

No

4

16 750mm Precast Manhole cover

No

2

Carried to Collection

Section No. 4

Bill No. 1

SOIL DRAINAGE

MOKOPANE VETERINARY LAB RENOVATIONS

R

Section No. 4

Bill No. 1

SOIL DRAINAGE

COLLECTION

Total Brought Forward from Page No.

Page
No

53

54

55

56

57

Amount

Carried to Final Summary

R

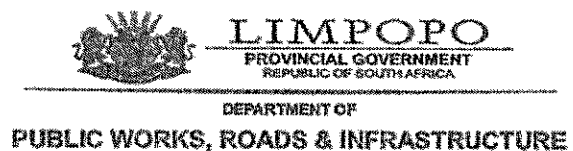
Section No. 4

Bill No. 1

SOIL DRAINAGE

MOKOPANE VETERINARY LAB RENOVATIONS

FINAL SUMMARY – MOKOPANE LABORATORY					Amount
Section No		Page No			
1	PRELIMINARIES	32			
2	ALTERATIONS	36			
3	BUILDING WORK	52			
4	EXTERNAL WORKS	58			
5	PROVISIONAL SUMS	58			
Sub-total				R	
Contingencies					
Allow an Amount of R 50 000.00 (Fifty Thousand Rand) for contingencies to be used as directed by the Project Manager and to be deducted in full if not used.			Item	R	50 000.00
Sub-total				R	
Value Added Tax					
Allow for Value Added Tax (15%)				R	
</					



PART C3 SCOPE OF WORKS

PART C3.1: SPECIAL NOTES TO TENDERERS

The following special conditions are for compliance and attention to tenderers:

- 1.1. LDPWR&I reserve the right to call interviews with short-listed tenderers before final selection.
- 1.2. LDPWR&I reserve the right to conduct supplier due diligence prior to final award or at any time during the contract period. This may include surprise site visits.
- 1.3. LDPWR&I reserve the right to appoint the tenderer that proves to be fully capable and qualified to handle and execute the job.
- 1.4. The proposals submitted must be in line with the detailed specification.
- 1.5. LDPWR&I reserve the right to cancel or withdraw this tender if:
 - i. Due to changed circumstances, there is no longer a need for this services; or
 - ii. Funds are no longer available to cover the total envisaged expenditure; or
 - iii. No acceptable tenders are received; or
 - iv. There is a material irregularity in the tender process.
- 1.6. In the case of sub-contracting or joint venture agreement, LDPWR&I will enter into a single contract with the principal tenderer.
- 1.7. Tenderers who are not registered on Central Supplier Database (CSD) must register before submission of tenders.
- 1.8. Any of the tender document in pencil or erasable ink will not be acceptable and will automatically disqualify the submitted tender.
- 1.9. Successful tenderer will be required to sign and enter into a formal contract upon the award.
- 1.10. Notwithstanding shortcomings and/or inconsistencies, if any, in this specification, which is only a minimum specification, a tenderer shall make provision for a complete solution that will deliver the required service efficiently and cost-effectively.
- 1.11. Tender documents must be submitted physically to the closing address as reflected on the Request for Quotations.
- 1.12. Quotations received after the closing date and time will not be accepted for consideration.
- 1.13. This request for tender document contains confidential information about LDPWR&I, which has been provided to supply potential tenderers with the data necessary to provide a holistic response.
- 1.14. No part of the contents may be used, copied, disclosed or conveyed in whole or in part to any party, in any manner whatsoever without the prior written permission of LDPWR&I.
- 1.15. Any reproduction or transmission of information contained in this document except for the sole purpose of responding to this tender is strictly prohibited.
- 1.16. References to LDPWR&I must not be made in any literature, promotional material, and brochures or sales presentations without the express written consent of LDPWR&I.
- 1.17. The client reserves the right not to award more than one project per tenderer, should the highest tenderer already been awarded a project, the second highest scoring tenderer will be considered.

1.18. Attachments for Specific Goals Points (**Must be submitted in order for claimed points to be awarded**)

- I. Persons who had no franchise in national elections prior to 1983 and 1993- (Attach Directors 's certified copy of South African ID & CK as proof)
- II. Promotion of Women owned enterprises - (Attach Director's certified copy of South African ID & CK)
- III. Disabled persons-(Attach letter /Medical certificate from Healthcare professional)
- IV. Promotion of SMMEs -(Attach Financial statement as proof for SMME turnover)
- V. Enterprise located in Limpopo Province-(Attach proof of enterprise address/Lease agreement as proof of enterprise residential address)
- VI. Promotion of youth-(Attach Directors 's certified copy of South African ID as proof)
- VII. South African owned enterprises -(Attach Directors 's certified copy of South African ID as proof + company registration documents)

PART C3.2: THE EXPANDED PUBLIC WORKS PROGRAMME – SCOPE OF WORKS

Employers objective

The employer's objectives are to deliver public infrastructure using labour intensive methods in accordance with EPWP Guidelines

Use of local Workers for LI designated activities

Labour-intensive works shall be constructed/maintained using local workers who are temporarily employed in terms of this Scope of Work

Competencies of LI Management and Supervisory staff

Contractors shall engage supervisory and management staff in labour-intensive works that have completed the skills programme including Foremen/Supervisors at NQF "National Certificate: Supervision of Civil Engineering Construction Processes" and Site Agent/Manager at NQF level 4 "Manage labour-intensive Construction Processes" or equivalent QCTO qualifications.

Ministerial Determination



Ministerial
Determination 4 Expi

Provision of Hand tools

The Contractor shall provide his labour force with hand tools of adequate quality, sufficient in numbers and make the necessary provisions to maintain the tools in good and safe working conditions

Wage Dispute (Contractor default to pay participants)

Any dispute between the Contractor and EPWP Workers, regarding delayed payment or default in payment of fair wages, if not resolved immediately may compel the Employer to intervene.

The Employer may, upon the Contractor defaulting payment, pay the moneys due to the workers not honoured in time, out of any moneys due or which may become due to the Contractor under the Contract.

Reporting requirement of Contractor

The Contractor should submit the following at the beginning of the Contract:

- (a) Contracts of all the workers employed on the contracts including their certified identity documents;
- (b) Proof of Registration for COIDA and UIF;
- (c) OHS Files

The Contractor shall submit monthly returns/reports as specified below:

- (a) Signed Muster rolls/pay sheets of temporary workers and permanent staff detailing the number, category, gender, rate of pay and daily attendance.
- (b) Copies of certified identity documents of workers
- (c) Number of persons who have attended training including nature and duration of training provided
- (d) Assets created, rehabilitated or maintained in accordance with indicators in the EPWP M&E framework
- (e) Plant utilization returns
- (f) Progress report detailing production output compared to the programme of works

PART C4: THE EXPANDED PUBLIC WORKS PROGRAMME – PARTICULAR SPECIFICATION

EPWP Special Project Specification

As much as is economically feasible all work shall be implemented by employing Labour Intensive Construction methods. Over and above the normal Building and Allied works to be implemented by employing skilled and unskilled labour the works specified in the "Guidelines for the Implementation of Labour-Intensive Infrastructure Projects under the Expanded Public Works Programme (EPWP)" shall be undertaken using Labour Intensive Construction methods.

Requirement for Sourcing and engagement of Labour

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.

The minimum rate of pay set for the EPWP is **R 121.28** per task or per day.

Tasks established by the contractor must be such that:

- (a) the average worker completes 5 tasks per week in 40 hours or less; and
- (b) the weakest worker completes 5 tasks per week in 55 hours or less.
- (c) 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 of the EPWP Infrastructure Guidelines.

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:

- a) where the head of the household has less than a primary school education;
- b) that have less than one full time person earning an income;
- c) where subsistence agriculture is the source of income.
- d) those who are not in receipt of any social security pension income

Employment demographics

The Contractor shall endeavour to ensure that the expenditure on the employment of temporary workers is in the following proportions:






- a) 60 % women;
- b) 55% youth who are between the ages of 18 and 35; and
- c) 2% on persons with disabilities.

SANS 1914-5



SANS1914-5 -
Copy.pdf

Sample Project Nameboard

30	985	30																
30	 																	
570																		
30	<p>CONTRACT NO:</p> <p>PROJECT NAME</p>																	
125																		
75																		
30																		
200																		
30																		
1380																		
400																		
30																		
420																		
	<table border="1"> <tr> <td>CONSULTING ENGINEER</td> <td>NTSAKO TIYANI AND ASSOCIATES</td> </tr> <tr> <td>CONTRACTOR A</td> <td>CONTRACTOR A</td> </tr> <tr> <td>CONTRACTOR B</td> <td>CONTRACTOR B</td> </tr> <tr> <td>CONTRACTOR C</td> <td>CONTRACTOR C</td> </tr> <tr> <td>CONTRACTOR D</td> <td>CONTRACTOR D</td> </tr> <tr> <td>CONTRACTOR E</td> <td>CONTRACTOR E</td> </tr> <tr> <td>CONTRACTOR F</td> <td>CONTRACTOR F</td> </tr> <tr> <td>CONTRACT DURATION</td> <td></td> </tr> </table>		CONSULTING ENGINEER	NTSAKO TIYANI AND ASSOCIATES	CONTRACTOR A	CONTRACTOR A	CONTRACTOR B	CONTRACTOR B	CONTRACTOR C	CONTRACTOR C	CONTRACTOR D	CONTRACTOR D	CONTRACTOR E	CONTRACTOR E	CONTRACTOR F	CONTRACTOR F	CONTRACT DURATION	
CONSULTING ENGINEER	NTSAKO TIYANI AND ASSOCIATES																	
CONTRACTOR A	CONTRACTOR A																	
CONTRACTOR B	CONTRACTOR B																	
CONTRACTOR C	CONTRACTOR C																	
CONTRACTOR D	CONTRACTOR D																	
CONTRACTOR E	CONTRACTOR E																	
CONTRACTOR F	CONTRACTOR F																	
CONTRACT DURATION																		
	<p>FINANCIERS:</p> <p>EXPANDED PUBLIC WORKS PROGRAMME INTEGRATED GRANT</p> <p>URBAN SETTLEMENTS DEVELOPMENT</p>																	
	 <p>public works</p> <p>Department of Public Works</p> <p>REPUBLIC OF SOUTH AFRICA</p>  																	

CONSTRUCTION METHODS

Labour Intensive Specification in the Guidelines pertaining to “Earth°works”: GENERIC LABOUR-INTENSIVE SPECIFICATION

The Generic Labour-intensive specification below is the same as SANS 1921-5, Construction and management requirement for works contracts- Part 5: Earth works activities which are to be performed by hand and should be included in the scope of works without amendment or modification as set out below.

SCOPE

This specification establishes general requirements for activities which are to be executed by hand involving the following:

- a) Trenches having a depth of less than 1.5 metres
- b) Storm water drainage

PRECEDENCE

Where this specification is in conflict with any other standard or specification referred to in the Scope of Works to this Contract, the requirements of this specification shall prevail.

HAND EXCAVATEABLE MATERIAL

Hand excavatable material is material:

- a) Granular materials:
 - i) whose consistency when profiled may in terms of table 1 be classified as very loose, loose, medium dense, or dense; or
 - ii) where the material is a gravel having a maximum particle size of 10mm and contains no cobbles or isolated boulders, no more than 15 blows of a dynamic cone penetrometer is required to penetrate 100mm;
- b) Cohesive materials:
 - i) whose consistency when profiled may in terms of table 1 be classified as very soft, soft, firm, stiff and stiff / very stiff; or
 - ii) where the material is a gravel having a maximum particle size of 10mm and contains no cobbles or isolated boulders, no more than 8 blows of a dynamic cone penetrometer is required to penetrate 100mm;

Note:

- 1) A boulder, a cobble and gravel is material with a particle size greater than 200mm, between 60 and 200mm.

- 2) A dynamic cone penetrometer is an instrument used to measure the in-situ shear resistance of a soil comprising a drop weight of approximately 10 kg which falls through a height of 400mm and drives a cone having a maximum diameter of 20mm (cone angle of 60° with respect to the horizontal) into the material being used.

Table 1: Consistency of materials when profiled

GRANULAR MATERIALS		COHESIVE MATERIALS	
CONSISTENCY	DESCRIPTION	CONSISTENCY	DESCRIPTION
Very loose	Crumbles very easily when scraped with a geological pick.	Very soft	Geological pick head can easily be pushed in as far as the shaft of the handle.
Loose	Small resistance to penetration by sharp end of a geological pick.	Soft	Easily dented by thumb; sharp end of a geological pick can be pushed in 30-40 mm; can be moulded by fingers with some pressure.
Medium dense	Considerable resistance to penetration by sharp end of a geological pick.	Firm	Indented by thumb with effort; sharp end of geological pick can be pushed in up to 10 mm; very difficult to mould with fingers; can just be penetrated with an ordinary hand spade.
Dense	Very high resistance to penetration by the sharp end of geological pick; requires many blows for excavation.	Stiff	Can be indented by thumbnail; slight indentation produced by pushing geological pick point into soil; cannot be moulded by fingers.
Very dense	High resistance to repeated blows of a geological pick.	Very stiff	Indented by thumbnail with difficulty; slight indentation produced by blow of a geological pick point.

TRENCH EXCAVATION

- All hand excavatable material in trenches having a depth of less than 1,5 metres shall be excavated by hand.

COMPACTION OF BACKFILLING TO TRENCHES (AREAS NOT SUBJECT TO TRAFFIC)

Backfilling to trenches shall be placed in layers of thickness (before compaction) not exceeding 100mm. Each layer shall be compacted using hand stampers

- a) to 90% Proctor density;
- b) such that in excess of 5 blows of a dynamic cone penetrometer (DCP) is required to penetrate 100 mm of the backfill, provided that backfill does not comprise more than 10% gravel of size less than 10mm and contains no isolated boulders, or
- c) Such that the density of the compacted trench backfill is not less than that of the surrounding undisturbed soil when tested comparatively with a DCP.

EXCAVATION

All hand excavatable material including topsoil classified as hand excavatable shall be excavated by hand. Harder material may be loosened by mechanical means prior to excavation by hand.

The excavation of any material which presents the possibility of danger or injury to workers shall not be excavated by hand.

CLEARING AND GRUBBING

Grass and small bushes shall be cleared by hand.

SHAPING

All shaping shall be undertaken by hand.

LOADING

All loading shall be done by hand, regardless of the method of haulage.

HAUL

Excavation material shall be hauled to its point of placement by means of wheelbarrows where the haul distance is not greater than 150 m.