



LIMPOPO

PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF

PUBLIC WORKS, ROADS & INFRASTRUCTURE

BID NUMBER: LDPWRI-B/20393

**APPOINTMENT OF CONTRACTOR FOR THE CONSTRUCTION AND
REFURBISHMENT OF LEPHALALE TRAFFIC STATION IN THE
WATERBERG DISTRICT THROUGH THE FRAMEWORK CONTRACT
CATEGORY B**

for the

**THE LIMPOPO DEPARTMENT OF PUBLIC WORKS, ROADS AND
INFRASTRUCTURE**

Issued by:

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

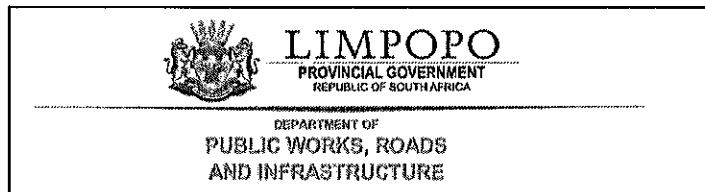
Contact Person: General Queries

Name : Mr NJ Motsopye,
Tel No. : 015 284 7126
Email : motsopyen@dpw.limpopo.gov.za

Technical: Technical Queries

Name : Mr. Richard Nthabalala
Tel No. : 015 284 7375
Email : nthabalalar@dpw.limpopo.gov.za

Name of the Bidder :



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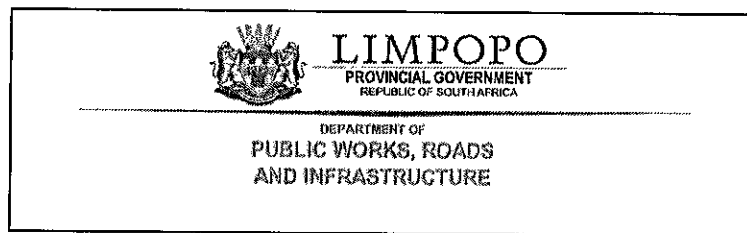
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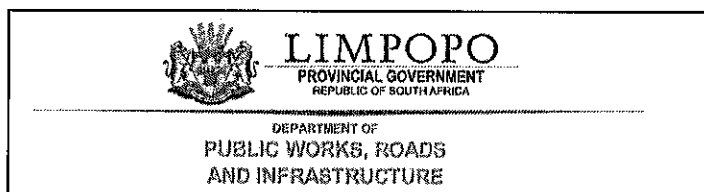
PART T1: TENDERING PROCEDURE

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 B for **THE CONSTRUCTION AND REFURBISHMENT OF LEPHALALE TRAFFIC STATION IN THE WATERBERG DISTRICT** for a period of 10 months. It is estimated that tenderers must have a CIDB contractor grading designation of **5 GB** or higher.

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	THE CONSTRUCTION AND REFURBISHMENT OF LEPHALALE TRAFFIC STATION IN THE WATERBERG DISTRICT for a period of 10 months.		
Tender Number	LDPWRI- B/20393		
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.		
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 ☒ No ☐		
	Meeting venue	As per Tender invite	
	Date	As per Tender invite	
	Time:	As per Tender invite	
Evaluation criteria	1. Compliance with mandatory or compulsory requirements 2. Risk assessment on current projects 3. Price 4. Preference		
Mandatory or Compulsory Requirements (<i>failure to submit or comply with these requirements will lead to automatic disqualification</i>)	Only tenderers who are appointed on category B registered with the Construction Industry Development Board (CIDB) with designation of 5 GB or higher than a 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		
	Completed and signed Form of Offer		



T1.2 Tender Data

Clause number	Tender Data
	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. 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. 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. 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:
C.1.1	The Employer is the Department of Public Works, Roads and Infrastructure
C.1.2	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) The Contract Part C2: Pricing data C2.1 Pricing instructions C2.2 Bills of Quantities Part 3: Scope of work C3.1 Special Notes to Bidders C3.2 OHS Specifications Part 4: Site information C4 Drawings

**CONSTRUCTION AND REFURBISHMENT OF LEPHALALE TRAFFIC STATION IN THE WATERBERG DISTRICT FOR THE LIMPOPO
DEPARTMENT OF PUBLIC WORKS, ROADS AND INFRASTRUCTURE
CONTRACT No. LDPWRI-B/20393**

C.1.4	All communications related to this bid should be directed to the persons indicated under Enquires on this tender document. 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.
C.1.5	The employer reserve to cancel the tender prior to the award of the tender.
C1.6.2	A competitive negotiation procedure will not be followed.
C1.6.3	A two-stage system will not be followed.
C.2.1	Eligibility in respect of CIDB grading Only tenderers who are appointed on framework agreement category B and registered with the Construction Industry Development Board (CIDB) with designation of 5 GB or higher than a 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.
C2.2	Cost of tendering 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
C.2.7	Compulsory site briefing A compulsory briefing meeting will be held as per Tender invite Tenderers must sign the attendance list in the name of the tendering entity. Addenda (if any) will be issued only to those tendering entities appearing on the attendance list.
C.2.11	Alterations to the documents Bidders 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
C.2.12	Alternative tender offer No alternative tender offer is permitted in this tender.
C.2.13.2	Replace sub-clause C.2.13.2 with the following; Return all returnable documents to the employer after completing them in their entirety by writing in non-erasable black ink
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	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: 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.

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 12 weeks or 90 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	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: - Persons who had no franchise in national elections prior to 1983 and 1993 - Women - Disabled persons - Promotion of SMMEs - Enterprise located in Limpopo Province - Promotion of youth
	CIDB Grading Certificate 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. Letter of Good Standing Tender are required to submit, bound with the tender submission, a letter of good from the compensation commissioner indicating that the bidder is in good standing.
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.3.4.1	Tenders will not be opened immediately after the closing time for tenders.

C.3.11

The tenderers will be evaluated in four stages

- (i) Stage 1: Compliance with mandatory requirements as stated in Part T1.1
- (ii) Stage 2: Risk assessment on current projects
- (iii) Stage 3: Price
- (iv) Stage 4: Preference

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.

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.

The total value of current projects for a contractor under consideration cannot exceed the twice the maximum value of their relevant CIDB grade.¹

- a) Stage 1: Administrative Compliance: The Compliance or compulsory documents and returnables 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.
- b) Stage 2: 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.

Stage 3 and 4:

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.

$$T_{EV} = N_{FO} + N_P$$

- a) 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:

$$P = A * \left(1 - \frac{(P_o - P_m)}{P_m}\right)$$

Where:

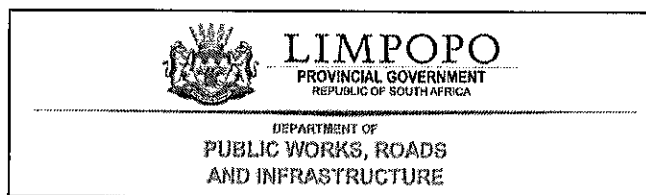
A is 80 since the estimated financial value of works inclusive of VAT is equals or is less than R 50,000,000.00.

P is the points awarded to the bid under consideration

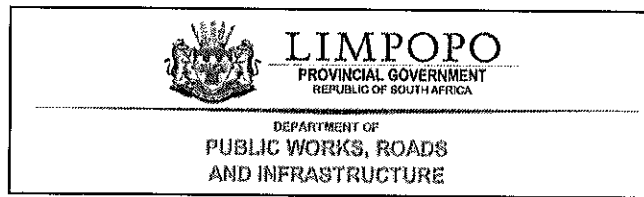
P_m is the lowest Comparative bid price

P_o is the comparative price under consideration

- b) N_P is the number of tender evaluation points awarded for preferences claimed in accordance with the Preferencing Schedule in 3.18



PART T2: RETURNABLE DOCUMENTS



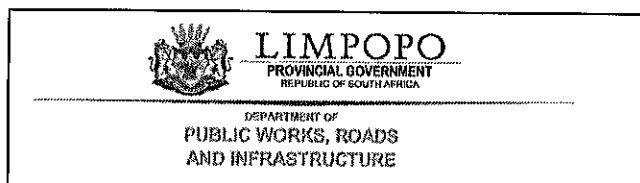
T2.1 : LIST OF RETURNABLE DOCUMENTS

The following documents will form part of the documents submitted to the Contractors as part of the Request for Proposals:

- 2.1 Fully completed Form of Offer
- 2.2 Bills of Quantities
- 2.3 Proof of specific goal for award of the preference points as determined on the Request for Proposal
- 2.4 SBD 6.1.
- 2.5 Declaration on the status of Administration compliance.
- 2.6 CIDB grading certificate
- 2.7 CSD Report
- 2.8 Tax clearance certificate
- 2.9 Declaration of current projects

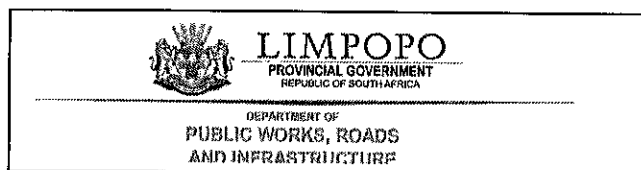
Failure by the service provider to submit or complete item 2.1 or 2.2 will render their proposal not responsive and will not be considered.

The bidder should also not appear on the National Treasury's list of black listed entities



T 2.2 : RETURNABLE SCHEDULE

	Document Name	Returnable document
1.	Preferencing schedule:	☐ Yes ☐ No
2.	Proposed amendments and qualifications (if applicable)	☐ Yes ☐ No
3.	SBD 1: Invitation to tender	☐ Yes ☐ No
4.	SBD 6.1: Reference Points claim form in terms of the Preferential Procurement Regulations 2017 or amended	☐ Yes ☐ No
5.	Form of offer	☐ Yes ☐ No
6.	CSD summary report	☐ Yes ☐ No
7.	Original tax clearance certificate or tax pin	☐ Yes ☐ No
8.	Priced bills of quantities	☐ Yes ☐ No
9.	Proof of CIDB class grading: 5 GB or higher.	☐ Yes ☐ No
10.	Declaration with regard to current projects	☐ Yes ☐ No



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.

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.....

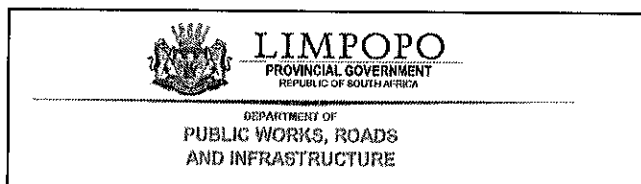
.....

.....

Signed _____ Date _____

Name _____ Position _____

Enterprise _____



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:

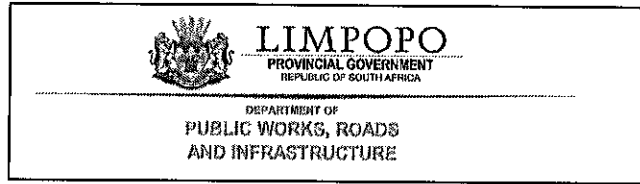
	Date	Title or Details
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		

CONSTRUCTION AND REFURBISHMENT OF LEPHALALE TRAFFIC STATION IN THE WATERBERG DISTRICT FOR THE
LIMPOPO DEPARTMENT OF PUBLIC WORKS, ROADS AND INFRASTRUCTURE
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Attach additional pages if more space is required.

Signed	_____	Date	_____
Name	_____	Position	_____
Tenderer	_____		

CONSTRUCTION AND REFURBISHMENT OF LEPHALALE TRAFFIC STATION IN THE WATERBERG DISTRICT FOR THE LIMPOPO
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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.

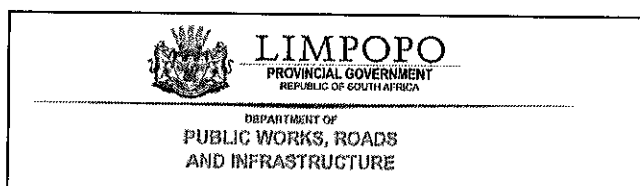
Page	Clause or item	Proposal

Signed _____ Date _____

Name _____ Position _____

Tenderer _____

CONSTRUCTION AND REFURBISHMENT OF LEPHALALE TRAFFIC STATION IN THE WATERBERG DISTRICT FOR THE LIMPOPO
DEPARTMENT OF PUBLIC WORKS, ROADS AND INFRASTRUCTURE
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SBD 1

PART A: INVITATION TO BID

YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF THE LIMPOPO DEPARTMENT OF PUBLIC WORKS, ROADS AND INFRASTRUCTURE					
BID NUMBER:	LDPWRI-B/20393	CLOSING DATE	As per Tender Advert	CLOSING TIME:	11:00am
DESCRIPTION	CONSTRUCTION AND REFURBISHMENT OF LEPHALALE TRAFFIC STATION IN THE WATERBERG DISTRICT FOR THE DEPARTMENT OF PUBLIC WORKS, ROADS AND INFRASTRUCTURE				
BID RESPONSE DOCUMENTS MAY BE DEPOSITED IN THE BID BOX SITUATED AT (STREET ADDRESS)					
DEPARTMENT OF PUBLIC WORKS, ROADS & INFRASTRUCTURE.					
Physical address: Corner River and Blaauwberg Streets, Ladanna, 0699.					
BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO					
CONTACT PERSON	Mr. NJ Motsopye				
TELEPHONE NUMBER	0152847126	E-MAIL ADDRESS	motsopyen@dpw.limpopo.gov.za		
CONTACT PERSON (TECHNICAL)	Mr. Richard Nthabalala				
TELEPHONE NUMBER	0152847375	E-MAIL ADDRESS	nthabalalar@dpw.limpopo.gov.za		
SUPPLIER INFORMATION					
NAME OF BIDDER					
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?	☐ Yes ☐ No [IF YES ENCLOSE PROOF]	ARE YOU A FOREIGN BASED SUPPLIER FOR THE GOODS /SERVICES /WORKS OFFERED?	☐ Yes ☐ No [IF YES, ANSWER THE QUESTIONNAIRE BELOW]
QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS			
IS THE ENTITY A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)?		☐ YES ☐ NO	
DOES THE ENTITY HAVE A BRANCH IN THE RSA?		☐ YES ☐ NO	
DOES THE ENTITY HAVE A PERMANENT ESTABLISHMENT IN THE RSA?		☐ YES ☐ NO	
DOES THE ENTITY HAVE ANY SOURCE OF INCOME IN THE RSA?		☐ YES ☐ NO	
IS THE ENTITY LIABLE IN THE RSA FOR ANY FORM OF TAXATION?		☐ YES ☐ 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 BIDDING

1. BID SUBMISSION:
1.1. BIDS MUST BE DELIVERED BY THE STIPULATED TIME TO THE CORRECT ADDRESS. LATE BIDS WILL NOT BE ACCEPTED FOR CONSIDERATION.
1.2. ALL BIDS MUST BE SUBMITTED ON THE OFFICIAL FORMS PROVIDED-(NOT TO BE RE-TYPED) OR IN THE MANNER PRESCRIBED IN THE BID DOCUMENT.
1.3. THIS BID 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 BIDDER WILL BE REQUIRED TO FILL IN AND SIGN A WRITTEN CONTRACT FORM (SBD7).
2. TAX COMPLIANCE REQUIREMENTS
2.1 BIDDERS MUST ENSURE COMPLIANCE WITH THEIR TAX OBLIGATIONS.
2.2 BIDDERS 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 BIDDERS MAY ALSO SUBMIT A PRINTED TCS CERTIFICATE TOGETHER WITH THE BID.
2.5 IN BIDS 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 BIDDER IS REGISTERED ON THE CENTRAL SUPPLIER DATABASE (CSD), A CSD NUMBER MUST BE PROVIDED.
2.7 NO BIDS 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."

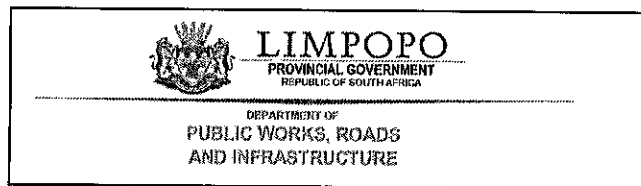
NB: FAILURE TO PROVIDE / OR COMPLY WITH ANY OF THE ABOVE PARTICULARS MAY RENDER THE BID INVALID.

CONSTRUCTION AND REFURBISHMENT OF LEPHALALE TRAFFIC STATION IN THE WATERBERG DISTRICT FOR THE LIMPOPO
DEPARTMENT OF PUBLIC WORKS, ROADS AND INFRASTRUCTURE
CONTRACT No. LDPWRI-B/20393

SIGNATURE OF BIDDER:

CAPACITY UNDER WHICH THIS BID 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 bid 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:

$$\begin{array}{ccc} \text{80/20} & \text{or} & \text{90/10} \\ \\ Ps = 80 \left(1 - \frac{Pt - P_{min}}{P_{min}} \right) & \text{or} & Ps = 90 \left(1 - \frac{Pt - P_{min}}{P_{min}} \right) \end{array}$$

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:

$$\begin{array}{ccc} \text{80/20} & \text{or} & \text{90/10} \\ \\ Ps = 80 \left(1 + \frac{Pt - P_{max}}{P_{max}} \right) & \text{or} & Ps = 90 \left(1 + \frac{Pt - P_{max}}{P_{max}} \right) \end{array}$$

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		
Women	-	3		

CONSTRUCTION AND REFURBISHMENT OF LEPHALALE TRAFFIC STATION IN THE WATERBERG DISTRICT FOR THE LIMPOPO
DEPARTMENT OF PUBLIC WORKS, ROADS AND INFRASTRUCTURE
CONTRACT No. LDPWRI-B/20393

Disabled persons	-	2		
Promotion of SMMEs	-	2		
Enterprises located in Limpopo Province	-	4		
Promotion of youth	-	1		
Promotion of enterprises located in rural areas	-	1		
Promotion of enterprises located in the relevant District	-	1		

DECLARATION WITH REGARD TO COMPANY/FIRM

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

4.4. Company registration number:

4.5. TYPE OF COMPANY/ FIRM

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

[TICK APPLICABLE BOX]

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:

.....

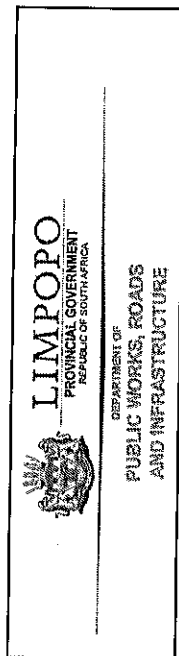
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PUBLIC WORKS, ROADS
AND INFRASTRUCTURE



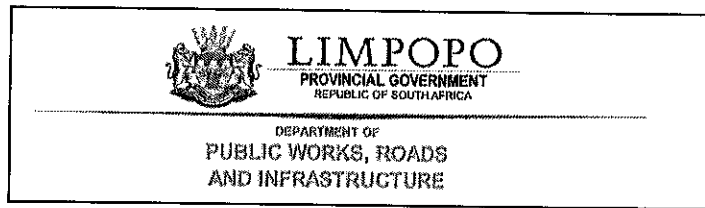
DECLARATION OF CURRENT PROJECTS					
Current value refers to current value of projects for both General Building (GB) and Civil Engineering (CE). Please list the current projects which your company is busy executing in the table below. <i>If no projects at the moment the tender must indicate/write on this table</i> Table 1 List of current projects executed by the bidder 1. Do you have the current projects being executed Yes/No? 2. 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, complete the table. 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 number



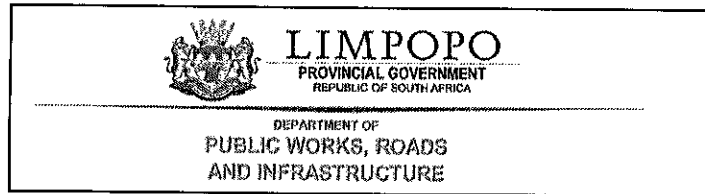
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THE CONTRACT



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:

THE CONSTRUCTION AND REFURBISHMENT OF LEPHALALE TRAFFIC STATION IN THE WATERBERG DISTRICT

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 bidder)

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

.....

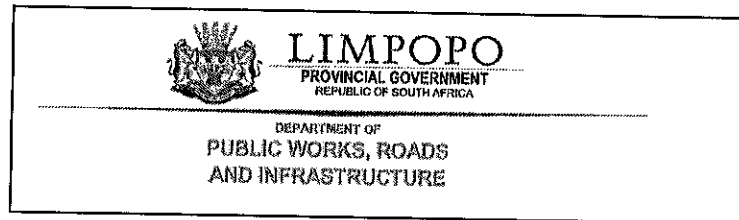
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.....

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.

.....



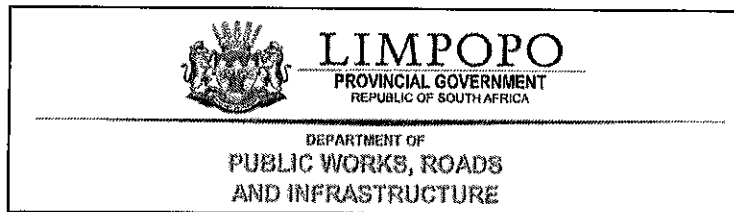
C2.1 CONTRACT DATA

The Conditions of Contract are clauses 1 to 41 of the **JBCC Series 2000 Principal Building Agreement (Edition 4.1 of March 2005)** 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.

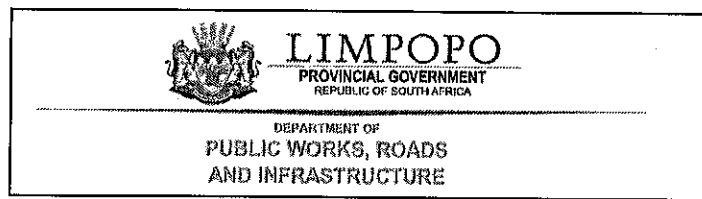
The contractor shall achieve in the performance of the contract the Contract Participation Goals (CPG) relating to the engagement of targeted enterprises as established in the **CIDB Standard for Indirect Targeting for Enterprise Development through Construction Works Contracts Gazette Notice No. 36190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



PART C2: PRICING DATA

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).



PART C2.2: BILLS OF QUANTITIES



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PART C3 SCOPE OF WORKS

PART C3.1: SPECIAL NOTES TO BIDDERS

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

- 1.1. LDPWR&I reserve the right to call interviews with short-listed bidders 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 bidder 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 bid 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 bids are received; or
 - iv. There is a material irregularity in the Bid process.
- 1.6. In the case of sub-contracting or joint venture agreement, LDPWR&I will enter into a single contract with the principal bidder.
- 1.7. Bidders who are not registered on Central Supplier Database (CSD) must register before submission of bids.
- 1.8. Any completion of the bid document in pencil or erasable ink will not be acceptable and will automatically disqualify the submitted bid.
- 1.9. Successful bidder 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 bidder shall make provision for a complete solution that will deliver the required service efficiently and cost-effectively.
- 1.11. Bid 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 bid document contains confidential information about LDPWR&I, which has been provided to supply potential bidders 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 bid 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. Attachment for Specific Goal Points

- I. Attach Directors certified copy of South African ID & CK as proof
- II. Attach letter from Health Professional as proof
- III. Attach Financial statement as proof
- IV. Address proof of enterprise address/Lease agreement
- V. Attach proof of enterprise address signed by the local traditional council



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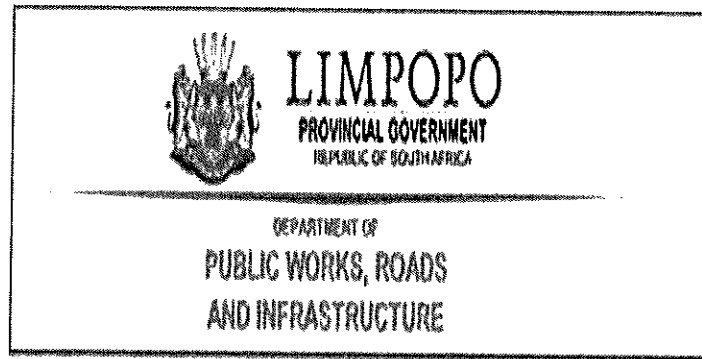
PART C3.2: OHS SPECIFICATIONS



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PART C4 SITE INFORMATION



C4.1 DRAWINGS

DPWRI
REFURBISHMENT AND CONSTRUCTION OF LEPHALALE TRAFFIC STATION
WATERBERG DISTRICT

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			

REFURBISHMENT AND CONSTRUCTION OF LEPHALALE TRAFFIC STATION
WATERBERG DISTRICT

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

COMPLETION

SECTION B: PRELIMINARIES

Management of contract (B4)

1 Management of the works (B4.1)

Fixed

Item

Value Related

Item

Time Related

Item

12.1.1 Provisional bills of quantities (B12.1.1)

The quantities are provisional:

Yes

12.1.2 Availability of construction documentation (B12.1.2)

Construction documentation is complete:

Yes

12.1.3 Interest of agents (B12.1.3)

No

Carried to Collection

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PRELIMINARIES
Bill No. 1
PRELIMINARIES & GENERAL

REFURBISHMENT AND CONSTRUCTION OF LEPHALALE TRAFFIC STATION
WATERBERG DISTRICT

12.1.4 Defined works area (B12.1.4)

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 on handing over of the site

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:

little The contractor shall execute the works with as little noise and disturbance as possible

12.1.6 Existing premises occupied

[3.4] Specific requirements:

little 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

Carried to Collection

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PRELIMINARIES

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REFURBISHMENT AND CONSTRUCTION OF LEPHALALE TRAFFIC STATION
WATERBERG DISTRICT

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

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.

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PRELIMINARIES & GENERAL

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REFURBISHMENT AND CONSTRUCTION OF LEPHALALE TRAFFIC STATION
WATERBERG DISTRICT

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:

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

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R

DPWRI
REFURBISHMENT AND CONSTRUCTION OF LEPHALALE TRAFFIC STATION
WATERBERG DISTRICT

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

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

Carried to Collection

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PRELIMINARIES
Bill No. 1
PRELIMINARIES & GENERAL

R

DPWRI
REFURBISHMENT AND CONSTRUCTION OF LEPHALALE TRAFFIC STATION
WATERBERG DISTRICT

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

12.2.1 *Payment of preliminaries*

[10.2] Option A (prorated) (yes/no)
YES

NO Option B (calculated) (yes/no)

12.2.2 *Adjustment of preliminaries*

[10.3] Option A (three categories) (yes/no)
YES

NO Option B (detailed breakdown) (yes/no)

12.2.3 *Additional agreed preliminaries items*

Details:
None

SECTION C: SPECIFIC PRELIMINARIES

Section C contains specific preliminary items which
apply to this contract except where N/A (Not Applicable)
appears against an item

Carried to Collection

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

R

DPWRI

REFURBISHMENT AND CONSTRUCTION OF LEPHALALE TRAFFIC STATION
WATERBERG DISTRICT

Section No. 1

PRELIMINARIES

Bill No. 1

PRELIMINARIES & GENERAL

COLLECTION

Total Brought Forward from Page No.

Page
No

1

2

3

4

5

6

7

Amount

Carried to Final Summary

Section No. 1

PRELIMINARIES

Bill No. 1

PRELIMINARIES & GENERAL

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DPWRI
REFURBISHMENT AND CONSTRUCTION OF LEPHALALE TRAFFIC STATION
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			

REFURBISHMENT AND CONSTRUCTION OF LEPHALALE TRAFFIC STATION
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.

DEMOLITIONS, ETC.

Breaking up and removing mass concrete

1	Concrete aprons, size approximately 1000mm Wide x 125mm thick	m	80
	1:80 2:0		
2	100mm Cantilever slab	m ²	20
	1:20 2:0		
3	Precast concrete channels	m	80
	1:50 2:30		

Taking out and removing ironmongery

4	Towel rail	m	2
	1:2 2:0		

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WATERBERG DISTRICT

5	Pinning board size 2400 x 1200mm high 1:24 2:0	No	24
	<u>Taking out and removing metalwork</u>		
6	Frame for door size 813 x 2032mm 1:1 2:0	No	1
	<u>Taking out and removing doors, windows, etc</u>		
7	Timber single door 813 x 2032mm high 1:53 2:0	No	53
8	Door size 914 x 2032mm high 1:2 2:0	m	2
9	Timber single door 1620 x 2032mm high 1:4 2:0	No	4
10	Garage door sectional meranti wood 30 panel -single-W 2500 x H 2170.. 1:4 2:0	No	4
	<u>Taking out and removing sundry joinery work, fittings, etc</u>		
11	Timber skirtings 1:1150 2:0	m	1 150
12	Kitchen unit 1:2 2:0	No	2
	<u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc</u>		
13	Corrugated iron roof covering including timber purlins 1:670 2:0	m2	670
14	Nailed ceilings in patches including preparing existing branderings for new ceilings (e/m) 1:60 2:0	m2	60
15	75mm Coved cornice in patches 1:40 2:0	m	40
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16	Fibre cement fascias, barge boards, etc. 1:210 2:0	m	210
17	125 x 100mm Eaves gutters with beaded front edge 1:210 2:0	m	210
18	Ventilation louvres 1:2 2:0	No	2
<u>Taking up and removing wood block floor coverings, vinyl floor coverings, carpets, etc and preparing screeds for new floor coverings</u>			
19	Vinyl tile 1:90 2:0	m2	90
20	Carpets 1:760 2:0	m2	760
21	Ceramic tiles 1:65 2:0	m2	65
<u>Taking out and removing glass and mirrors</u>			
22	Glass from steel windows, including cleaning out rebates and preparing for new glass 1:545 2:0	m2	545
23	Mirrors 1:11 2:0	No	11
<u>Taking out and removing sanitary fittings, tanks, geysers etc</u>			
24	Complete WC 1:7 2:0	No	7
25	Basin 1:3 2:0	No	3
26	Urinal 1:8 2:0	No	8
27	Hand dryers 1:8 2:0	No	8
28	Toilet roll holders 1:13 2:0	No	13

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29	Taps 1:11 2:0	No	11
30	Geyser 1:2 2:0	No	2
<u>SERVICING OF DOORS AND WINDOWS</u>			
31	Replace window stays, handles and pegs (PC Amount R350-00 Vat excl supplied and delivered to site) 1:110 2:0	No	110
32	Remove door striker plate and replace with new (PC Amount R150-00 Vat excl supplied and delivered to site) 1:2 2:0	No	2
33	Tighten loose door striker plate 1:2 2:0	No	2
<u>MAKING GOOD OF FINISHES ETC</u>			
<u>Making good screed</u>			
34	Floors in patches 1:200 2:0	m2	200
<u>Making good internal cement plaster</u>			
35	Walls in patches 1:60 2:0	m2	60
36	Repair plaster cracks on internal walls by hacking and removing plaster and applying bonding liquid before applying new plaster (plaster included) 1:25 2:0	m2	25
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EARTHWORKS

For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades

SUPPLEMENTARY PREAMBLES

Nature of ground

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

Nature of ground

A soils investigation has been carried out on site by the engineer and the report is annexed to these bills of quantities. Descriptions of excavations shall be deemed to include all ground conditions classifiable as "earth" described in the above report and where conditions of a more difficult character are indicated these are separately measured

Carting away of excavated material

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

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

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Soil poisoning

Ant and weed poisoning will be applied in accordance to SABS 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

SITE CLEARANCE ETC

Site clearance

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

1:0 2:31

m2 31

EXCAVATION, FILLING, ETC

Excavation in earth not exceeding 2m deep

- 2 Trenches

1:0 2:8

m3 8

Extra over trench and hole excavations in earth for excavation in

- 3 Soft rock

1:0.0 2:0.4

m3 0.4

- 4 Hard rock

1:0 2:1

m3 1

Extra over all excavations for carting away

- 5 Surplus material from excavations on site to a dumping site to be located by the contractor

1:0 2:4

m3 4

Risk of collapse of excavations

- 6 Sides of trench and hole excavations not exceeding 1,5m deep

1:0 2:22

m2 22

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REFURBISHMENT AND CONSTRUCTION OF LEPHALALE TRAFFIC STATION
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<u>Weedkiller mixed in accordance to supplier's specifications</u>			
15	To bottoms and sides of trenches, etc. 1:0 2:33	m2	33
16	Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming 1:0 2:16	m2	16
<u>Soil insecticide</u>			
17	To bottoms and sides of trenches etc 1:0 2:33	m2	33
18	Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming 1:0 2:16	m2	16
<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>			
<u>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>			
<u>15MPa/19mm concrete</u>			
19	Surface blinding under footings and bases 1:0.0 2:0.3	m3	0.3
<u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>			
<u>25MPa/19mm concrete</u>			
20	Strip footings 1:0 2:3	m3	3

SMOOTH FORMWORK (DEGREE OF ACCURACY I)

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	<u>Smooth formwork to sides</u>		
21	Edges, risers, ends and reveals not exceeding 300mm high or wide 1:0 2:16	m	16
	<u>MOVEMENT JOINTS ETC</u>		
	<u>Horizontal construction joints through concrete including thick cement slurry to one side</u>		
22	Surface bed not exceeding 300mm thick 1:0 2:18	m	18
	<u>REINFORCEMENT</u>		
	<u>Fabric reinforcement</u>		
23	Steeledale Mesh standard square fabric mesh, nominal mass 8,88 kg/m ² with nominal 12mm thick wires and 200 x 200mm pitch (code 888), complying with SANS 1024/2006 requirements cut to 500mm width and laid loose in concrete strip footings 1:0 2:16	m2	16
	<u>REINFORCEMENT</u>		
	<u>Mild steel reinforcement to structural concrete work</u>		
24	8mm Diameter bars 1:0 2:1	t	1
25	10mm Diameter bars 1:0.0 2:0.4	t	0.4
	<u>High tensile steel reinforcement to structural concrete</u>		
26	16mm Diameter bars 1:0 2:1	t	1
	<u>TEST CUBES</u>		
27	Allow for preparing a set of three concrete strength test cubes, each size 150 x 150 x 150mm, sending them to an approved Testing Laboratory for testing and paying all charges in connection therewith. 1:0 2:10	Sets	10

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BRICKWORK

Brickwork of NFP bricks in class II mortar

28	Half brick walls		
	1:0	2:2	m2 2
29	One brick walls		
	1:0	2:11	m2 11

BRICKWORK SUNDRIES

Joint forming material in movement joints:

30	10mm Bitumen impregnated fibre board in vertically between brickwork and concrete		
	1:0	2:18	m2 18

Brickwork reinforcement

31	150mm Wide reinforcement built in horizontally		
	1:0	2:7	m 7
32	150mm Wide reinforcement built in horizontally		
	1:0	2:42	m 42

FACE BRICKWORK

Face bricks (Purchase price of R3 500-00/1000 VAT excl. delivered to site) pointed with recessed horizontal and vertical joints

33	Extra over brickwork for face brickwork		
	1:0	2:11	m2 11

Brick-on-edge header course copings, sills, etc of face bricks (Purchase price R3 500,00/1000 VAT excl. delivered to site) pointed with recessed joints on all exposed faces

34	Coping on top of one brick wall		
	1:0	2:16	m 16

WATERPROOFING

JOINT SEALANTS ETC

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REFURBISHMENT AND CONSTRUCTION OF LEPHALALE TRAFFIC STATION
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Joint surface to be dry, clean and free from dust and grease. Insert closed cell polyethylene foam-backing strip into joint. Prime joint surface with Jayco G317 two part epoxy primer. Mix two components thoroughly to form a homogenous mixture. Apply Jaycoflex M973 2 Part Polysulphide Sealant into joint using a hand or pressure operated closed barrel gun, smooth sealant using a spatula, all in accordance with manufacturer's recommendations.

- 35 12 x 20mm In vertical expansion joints including raking out expansion joint filler as necessary

1 : 0 2 : 48

m

48

Sealing compound including backing cord bond breaker ,primer,etc;

- 36 Sondor Performance Foams Sondorband flexible wax and resin impregnated Polyurethane foal sealing strip , size 3mm x 30mm thick , compressed and inserted into gap

1 : 0 2 : 6

m

6

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<u>BILL NO.2</u>			
<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>			
For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>Cost of tests</u>			
The costs of making, storing and testing of concrete test cubes as required under clause 7 "Tests" of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the architect. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval of the architect. (Test cubes are measured separately)			
Breeze concrete shall consist of twelve parts clean dry furnace ash, free from coal or other foreign matter, to one part cement (12:1), the ash graded up to particles which will pass a 16,5mm ring from a minimum which fails to pass a 4,75mm mesh. The finer materials from the screening are to be first mixed with the cement into a mortar and the ash added afterwards and thoroughly incorporated			
<u>"Foamcement " lightweight concrete</u>			
"Foamcement" lightweight concrete is to have a density of 600kg/m3 for the top 50mm and 400kg/m3 for the remaining thickness. The minimum thickness at outlets, channels, etc shall be 50mm			
<u>"Celbeton" lightweight concrete</u>			
"Celbeton" lightweight concrete is to have a density of 1000kg/m3 for the top 20mm and 480kg/m3 for the remaining thickness. The minimum thickness at outlets, channels, etc shall be 30mm			
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Section No. 3 BUILDING Bill No. 2 CONCRETE, FORMWORK & REINFORCEMENT (PROV			

Formwork

Description of formwork shall be deemed to include use and waste only (except where described as "left in" or "permanent"), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use

The vertical strutting shall be carried down to such construction as is sufficiently strong to afford the required support without damage and shall remain in position until the newly constructed work is able to support itself.

Formworks to soffits of solid etc shall be deemed to be slabs not exceeding 250mm thick unless otherwise described

Formwork to sides of bases, pile caps, ground beams, etc will only be measured where it is prescribed by the engineer for design reasons. Formwork necessitated by irregularity or collapse of excavated faces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavations, provision for which is made in "Earthworks"

REINFORCED CONCRETE**30MPa/19mm concrete**

1	Surface beds cast in panels on waterproofing 1 : 0 2 : 2	m3	2
2	Cantilever slab 1 : 3 2 : 0	m3	3

CONCRETE SUNDRIES

Finishing top surfaces of concrete smooth with a steel trowel

3	Surface beds, slabs, etc (slabs) 1 : 20 2 : 16	m2	36
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CONCRETE, FORMWORK & REINFORCEMENT (PROV

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REFURBISHMENT AND CONSTRUCTION OF LEPHALALE TRAFFIC STATION
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TEST CUBES

4	Allow for preparing a set of three concrete strength test cubes, each size 150 x 150 x 150mm, sending them to an approved Testing Laboratory for testing and paying all charges in connection therewith	Sets	12
	1:6 2:6		

SMOOTH FORMWORK (DEGREE OF ACCURACY I)

Smooth formwork to sides

5	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	62
	1:46 2:16		

Smooth formwork to soffits

6	Soffit of slabs	m ²	20
	1:20 2:0		

MOVEMENT JOINTS ETC

"Sondor"

Sondor Performance Foams Jointex low density (33kg/m³), cross linked, closed cell, expanded polyethylene joint former, size 85 x 10mm thick with tear off strip fitted to concrete surface with adhesive as per adhesive manufacturer's recommendation.

7	10mm x 75mm	m	48
	1:0 2:48		

Saw cut joints

8	5 x 25mm Saw cut joints on top of concrete	m	24
	1:0 2:24		

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REFURBISHMENT AND CONSTRUCTION OF LEPHALALE TRAFFIC STATION
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3	One brick walls 1:0 2:39	m2	39
<u>BRICKWORK SUNDRIES</u>			
4	Extra over brick work for leaving ventilation openings size 115 x 1700mm high at 300mm cc 1:0 2:2	No	2
<u>Joint forming material in movement joints:</u>			
5	12mm Bitumen impregnated fibre board built in vertically between brick skins not exceeding 300mm wide 1:0 2:45	m2	45
<u>Brickwork reinforcement</u>			
6	75mm Wide reinforcement built in horizontally 1:0 2:24	m	24
7	150mm Wide reinforcement built in horizontally 1:0 2:157	m	157
<u>Galvanised hoop iron cramps, ties, etc</u>			
8	30 x 1,6mm Roof tie 1,5m long with one end fixed to timber and other end built into brickwork 1:0 2:16	No	16
<u>Turning pieces</u>			
9	230mm Wide turning pieces to lintels etc 1:0 2:10	m	10
<u>"Allied Concrete" prestressed fabricated lintels</u>			
10	110 x 75mm Lintels in lengths not exceeding 3m 1:0 2:13	m	13
<u>FACE BRICKWORK</u>			
<u>Face bricks (Purchase price of R3 500-00/1000 VAT excl. delivered to site) pointed with recessed horizontal and vertical joints</u>			
11	Extra over brickwork for face brickwork 1:0 2:39	m2	39
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REFURBISHMENT AND CONSTRUCTION OF LEPHALALE TRAFFIC STATION
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12	Extra over brickwork for brick-on-edge header course lintel 1:0 2:16	m	16
	<u>Brick-on-edge header course copings, sills, etc of face bricks (Purchase price R3 500-00/1000 VAT excl. delivered to site) pointed with recessed joints on all exposed faces</u>		
13	Coping on top of one brick wall 1:0 2:16	m	16
14	110mm Wide sill set level and slightly projecting 1:0 2:10	m	10
	<u>NUTEC-CEMENT/FIBRE-CEMENT WINDOW SILLS</u>		
	<u>150 x 12mm thick Nutec internal window sills in standard lengths matching window widths manufactured in accordance with SANS 803-2005. Sill firmly embedded with metal lugs at maximum 400mm centers into plaster where necessary</u>		
15	15mm x 150mm Wide sills set flat and slightly projecting 1:0 2:10	m	10

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BILL NO.4

WATERPROOFING

For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades

SUPPLEMENTARY PREAMBLES

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

DAMP-PROOFING OF WALLS AND FLOORS

One layer of 375 micron Consol Plastic Brikgrid DPC"
embossed damp proof course

1	In walls	m2	4
	1:0 2:4		
	<u>One layer of 250 micron "Consol Plastic USB Green" waterproof sheeting sealed at laps with "Gunplas Pressure Sensitive Tape"</u>		
2	Under surface beds	m2	10
	1:0 2:10		

JOINT SEALANTS ETC

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	<u>Sika Primer-3N one component epoxy polyurethane based primer for joint sealants (Sikaflex-PRO 2HP and Sikaflex 11FC), applied in accordance with the manufacturer's instructions.</u>		
3	10 x 15mm In expansion joints including raking out of expansion joint filler as necessary 1:0 2:24	m	24
	<u>Prepare and apply a.b.e. Construction Chemicals epidermix 365 general-purpose liquid epoxy adhesive. Crack injection epoxy and tile pointing grout when mixed with blended silica sand. The compound shall have a 7 day compressive strength of 75 Mpa, a tensile strength of 9 MPa, and a lap shear strength of 4 MPa, all in accordance with the manufacturer's instructions.</u>		
4	5 x 10mm In saw cut joints in top of concrete 1:0 2:24	m	24
	<u>Joint surface to be dry, clean and free from dust and grease. Insert closed cell polyethylene foam-backing strip into joint. Prime joint surface with Jayco G317 two part epoxy primer. Mix two components thoroughly to form a homogenous mixture. Apply Jaycoflex M973 2 Part Polysulphide Sealant into joint using a hand or pressure operated closed barrel gun, smooth sealant using a spatula, all in accordance with manufacturer's recommendations.</u>		
5	12 x 20mm In vertical expansion joints including raking out expansion joint filler as necessary 1:0 2:24	m	24

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ROOF COVERINGS ETC

For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades

SUPPLEMENTARY PREAMBLES

General

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

Sizes

All items are measured net unless otherwise described

Flashings, trimming plates, etc.

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

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ROOF COVERINGS, ETC (PROVISIONAL)

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Traffic Green color to be as follows:**Colour:** Traffic Green**Gloss:** 30+/-Gardner 60**Film Thickness:** 17 - 22 Microns**Primer:** Global Prime 204**Pencil Hardness:** H**Flexibility:** >8mm**Impact Resistance:** >30 INLB on HDG**Bending:** 2 Ton HDG**Solvent Resistance:** > 100 Double Rubs with MEK**Salt Spray Test:** 500 Hours ECCA T8. Corrosion, Blisters, Loss of Adhesion less than 3mm from from the scribe**Weather-0-meter:** 2000 Hours ECCA T10, loss of gloss less than 50% average colour change not greater than 5 units (CEILAB)**Florida Exposure Test:** After two (2) years loss of gloss less than 75%, average colour change not greater than three (3) units (CEILAB)**PROFILED METAL SHEETING AND ACCESSORIES**

0.6mm thick galvanised corrugated iron roof sheets On 76x50mm SAP purlins at max.1200mm centres on timber truss at 900mm centres to engineer's details . Ridge capping -standard factory manufactured ridges and flashings in finish to match roof covering . 114 x 38mm timber wall plate . ", fixed to roof members by a firm of Specialists who will give a five (5) year guarantee. all in accordance with the manufacturer's instruction

1	Roof covering with pitch not exceeding 20 degrees 1 : 670 2 : 31	m2	701
2	Ridge capping (Code FK3) to be Brownbuilt Klip-Lok 406 550mm girth, three times bent along girth and notched on site to suit roof profile. 1 : 46 2 : 4	m	50
3	Hip capping to be Brownbuilt Klip-Lok 406 550mm girth, three times bent along girth and notched on site to suit roof profile. 1 : 28 2 : 4	m	32

ALUMINIUM VENTILATION LOUVRE

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ROOF COVERINGS, ETC (PROVISIONAL)

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<u>"NTY Steelworks" or similar approved</u>			
4	Square steel ventilation louvre size approximately 300 x 300mm high fixed to wall including watertight heading joints, necessary sealing strips, fixing accessories, etc (Purchase price R 1 400-00 each Vat excl. supplied and delivered to site)	No	4
	1:2 2:2		
<u>ROOF AND WALL INSULATION</u>			
<u>"Alucushion"</u>			
5	4mm Alucushion®/Bubblefoil® FR (fire retardant grade) double-sided aluminium foil insulation (Code: 1983), laid taut over timber purlins complying with SANS 428:2007, and fixed concurrently with roof covering; including white PVC coated straining wires at 383mm centres, ensuring subsequent sheets overlap the previous sheet by 100mm all in accordance to the manufacturer's recommendations.	m2	665
	1: 634 2: 31		
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BUILDING

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ROOF COVERINGS, ETC (PROVISIONAL)

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BILL NO.6

CARPENTRY AND JOINERY

SUPPLEMENTARY PREAMBLES

Particle board:

b) SABS 1301 Particle board: interior type

Joinery:

Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes

Fixing

Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete.

Decorative laminate finish:

Laminate finish shall be glued under pressure. Edge strips shall be butt jointed at junctions with adjacent similar finish

ROOFS

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The following is applicable in respect of roof trusses

The references given in the descriptions are to the respective types of trusses detailed on the architect's drawings annexed to these bills of quantities/ accompanying these bills of quantities for tender purposes

Prices for rafters and trusses to include all "Hurricane" clips, steel M-runners and "Permfix" plates, screws, nails, wires, sundry material, etc (bracing, wallplates, purlins and gangboarding are measured seperately)

Allow for the preparation and submission of the following documents in respect of all buildings

- 1 Detailed shop drawings indicating truss sizes, truss positions, bracings, details, etc. to be submitted for approval prior the commencement of any fabrication
- 2 Design certificate indicating the licensed programme used, SANS specifications adhered to, general procedures and loadings adopted, sizes and grading of timber components, details, etc.
- 3 Erection guarantee certificate after the whole completed roof truss structure have been inspected, all defective work have been taken out and made good, etc. to the full satisfaction of the Principal Agent

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Sawn softwood

- 4 Roof construction to double pitched roof supplied and erected complete in position with bracing, gangboarding, purlins, eaves purlins, hipped end, rafters etc. for Store approximately 30.03 m2 on plan (Refer to architect's drawings attached to these bills of quantities)

No

1

1:0 2:1

- 5 38 x 114mm Wall plates

m

16

1:0 2:16

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CARPENTRY AND JOINERY

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WATERBERG DISTRICT

6	50 x 76mm Purlins in lengths exceeding 3,9m and not exceeding 6,6m 1:0 2:8 <u>Sundries</u>	m	8
7	Two coats creosote on sawn timbers 1:0 2:31 <u>EAVES, VERGES, ETC</u> <u>"Everite FC77" pressed fibre-cement</u>	m2	31
8	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. 1:210 2:16 <u>DOORS, ETC</u> <u>44mm Wrought meranti framed, ledged, braced and battened door of 44 x 150mm top rails and stiles, 22 x 150mm middle legde and braces and 22 x 220mm bottom rail filled in with 22mm V-jointed one side boarding</u>	m	226
9	Door size 813 x 2032mm high with standard weather bar 1:2 2:2	No	4
10	Door size 914 x 2032mm high 1:53 2:0	No	53
11	Double door size 1613 x 2032mm high with equal leaves and rebated meeting stiles and incl. weatherboard 1:4 2:-1	No	3
12	Garage door sectional meranti wood 30 panel -single-W 2500 x H 2170.. 1:4 2:0	No	4
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Solid core flush doors with concealed hardwood edges
and 4mm thick masonite covering on both sides hung to
steel frame

13 40mm Door 813 x 2032mm high

1:0 2:1

No 1

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BUILDING
Bill No. 6
CARPENTRY AND JOINERY

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REFURBISHMENT AND CONSTRUCTION OF LEPHALALE TRAFFIC STATION WATERBERG DISTRICT

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CARPENTRY AND JOINERY

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<u>BILL NO.7</u>				
<u>CEILINGS , ETC.</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>				
Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins or shot pinned to brickwork or concrete				
Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres, and where described as "bolted" the bolts have been given elsewhere				
<u>CEILINGS ETC</u>				
<u>Insulation</u>				
1	50mm glass fibre insulation blanket to manufacturer's specification, laid on ceiling. 1 : 634 2 : 31	m2	665	
<u>"Rhino" gypsum plasterboard cornices</u>				
2	75mm Coved cornices 1 : 40 2 : 16	m	56	
<u>NAILED UP CEILINGS</u>				
<u>6mm "Everite Nutec" fibre-cement boards with H-profile primed steel jointing cover strips over joints</u>				
3	Ceilings including 38 x 38mm brandering at 90deg to trusses at maximum centres of 400mm by 32mm long galvanised nails. 1 : 60 2 : 31	m2	91	
Carried to Collection				R
Section No. 3 BUILDING Bill No. 7 CEILINGS, ETC				

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 WATERBERG DISTRICT

4	Extra over ceiling for opening for 610 x 610mm trap door of 50 x 76mm wrought softwood rebated framing with one 38 x 38mm sawn softwood cross brander covered with ceiling board and fitted flush in opening	No	2
	1:1 2:1		

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 BUILDING
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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>LOCKS</u>				
<u>"Cisa"</u>				
1	CISA solid hardened steel padlock (Code: 28056-55-KD) with a C2000 5 pin keying system with a 55mm body size and supplied keyed different. 1:2 2:0	No	2	
<u>"Dorma"</u>				
2	Dorma "DDC056501" 65mm satin nickel double cylinder (not master keyed) 1:54 2:1	No	55	
3	Dorma "CB30" satin chrome lever handle (S/C) 1:54 2:1	Pairs	55	
4	Dorma "D036" Cylinder lock case 1:54 2:1	No	55	
5	Dorma "DDS-NP-018" nickel plated door stop. (N/Plated) 1:54 2:1	No	55	
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Section No. 3 BUILDING Bill No. 8 IRONMONGERY				

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WATERBERG DISTRICT

6	Dorma "DHC-SS-031B" stainless steel hat and coat hook with rubber buffer. 1:54 2:1	No	55
7	Dorma "D038R" rebate conversion kit 1:54 2:1 <u>"Solid"</u>	No	55
8	CALMOC anti theft toilet roll holder or equal approved 1:13 2:1	No	14
9	TIDY SYSTEMS 800ml soap dispenser white or equal approved. 1:8 2:1	No	9
10	TIDY SYSTEMS 800ml soap Hand dryer white or equal approved 1:8 2:1	No	9
11	19mm Diameter chromium plated towel rail 600mm long incl. end brackets 1:2 2:0	No	2
<u>LETTERS, NAMEPLATES, ETC</u>			
<u>"Union"</u>			
12	"Code AL5022-E10" Natural anodised aluminium plate with male symbol 1:4 2:1	No	5
13	"Code AL5022-E11" Natural anodised aluminium plate with female symbol 1:4 2:0	No	4
14	"Code AL5066-E14" Natural anodised aluminium plate with paraplegic pictogram 1:2 2:0	No	2
15	150 x 150mm Stainless steel plate engraved with "Tea" sign (St/Steel) 1:2 2:0	No	2
<u>PINNING BOARDS, WRITING BOARDS, PROJECTION SCREENS, ETC</u>			
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	<u>"Vitrex"</u>		
16	Pinning boards 2400 x 1500mm high fixed to brickwork 1:24 2:0	No	24
17	Vitrex system enamelled green folding type writing board, with wall mounted centre board 4800 x 1220mm high with chalk rail and two swing leaves each 1200 x 1220mm high plugged 1:2 2:0	No	2

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SECTION NO.3

BILL NO.9

METALWORK

For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades

SUPPLEMENTARY PREAMBLES

Descriptions

Descriptions of bolts shall be deemed to include nuts and washers

Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete

Metalwork described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described

WELDED SCREENS, GATES, ETC

Gates to external doors

- 1 Single gate and frame size 1000 x 2185mm high (PC Amount R5 000-00 each VAT excl. supplied and installed to site)

1:2 2:1

No

3

- 2 Double gate and frame size 2185 x 2185mm high (PC Amount R6500 000-00 each VAT excl. supplied and installed to site)

1:2 2:0

No

2

Main Entrance steel gate with frame made of 100 x100 x 2mm square tubing poles complete with base plates guides and rollers

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METALWORK

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WATERBERG DISTRICT

<u>Gate comprises of 75 x 75 x2mm square tubing outer frame and 20 x 20mm square tubing controls at 120mm centres complete with roller</u>			
3	Steel Gate 6000 x 2100 mm high 1:0 2:1	No	1
4	Gate motor with power supply 1:0 2:1	No	1
5	4 arm waist turnstile one direction spin detail to specialist A 1:0 2:1	No	1
<u>PRESSED STEEL DOOR FRAMES</u>			
<u>1.2mm Double rebated frames suitable for half brick walls</u>			
6	Frame for door size 914 x 2032mm high 1:1 2:2	No	3
<u>NATURAL ANODISED ALUMINIUM DOORS, WINDOWS, ETC.</u>			
<u>Natural anodised aluminium windows, doors, etc including frames and sub-frames, fixing, silicone sealant all round, ironmongery and glazing with 6.5mm P.V.B faidband laminated safety glass</u>			
7	Purpose made window size 1525 x 1300mm high (PC Amount R2500-00 each VAT excl. supplied, delivered and installed on site) 1:0 2:3	No	3
<u>BUDGETARY ALLOWANCE</u>			
8	Provide R100 000 (One hundred thousands rands) for installation of window burglar bars		
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<u>SECTION NO.3</u>				
<u>BILL NO.10</u>				
<u>PLASTERING</u>				
For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades				
<u>INTERNAL PLASTER</u>				
<u>Cement plaster on brickwork</u>				
1	On walls 1:80 2:51	m2	131	
<u>EXTERNAL PLASTER</u>				
<u>Cement plaster on brickwork</u>				
2	On walls 1:60 2:0	m2	60	
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PLASTERING				

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<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 Porcelain 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 1 : 200 2 : 11	m2	211	
2	On narrow widths 1 : 20 2 : 1	m2	21	
<u>FLOOR TILING</u>				
<u>600 x 600 x 11,5mm Porcelain floor tiles fixed with adhesive to plaster (plaster elsewhere) and flush pointed with tinted waterproof jointing compound (PC Amount R350-00/thousand Vat excl supplied and delivered to site)</u>				
3	On floors and landings 1 : 1270 2 : 16	m2	1 286	
4	Skirting formed of ceramic tile cut to 300 x 75mm high 1 : 1522 2 : 24	m	1 546	
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SECTION NO.3

BILL NO.12

PLUMBING AND DRAINAGE

For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades

SUPPLEMENTARY PREAMBLES

"Polycop" polypropylene pipes:

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

"Polylink" polypropylene pipes:

Polypropylene pipes 63mm diameter and over shall be class 12 pipes jointed with cast iron "Supracamp" 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

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

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REFURBISHMENT AND CONSTRUCTION OF LEPHALALE TRAFFIC STATION
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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

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

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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

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"

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PLUMBING AND DRAINAGE

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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 steel basins, sinks, wash troughs, urinals, etc.

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

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

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	<u>0.6mm Galvanised sheet iron with "Chromadek" finish on one side</u>		
1	125 x 100mm Eaves gutters with beaded front edge 1:210 2:16	m	226
2	Extra over eaves gutter for angle 1:10 2:2	No	12
3	Extra over eaves gutter for outlet for 100mm diameter pipe 1:10 2:2	No	12
4	Extra over eaves gutter for stopped end 1:4 2:2	No	6
5	100mm Diameter rainwater pipes 1:48 2:12	m	60
6	Extra over rainwater pipe for eaves or plinth offset 450mm projection 1:10 2:2	No	12
7	Extra over rainwater pipe for shoe 1:10 2:2	No	12
	<u>SOIL DRAINAGE</u>		
	<u>uPVC Pipes</u>		
8	110mm Pipes vertically or ramped to cleaning eye etc (no excavation) 1:0 2:2	m	2
9	110mm Pipes laid in and including trenches not exceeding 1m deep 1:0 2:2	m	2
	<u>Extra over uPVC pipes for fittings</u>		
10	110mm Access Bend 1:0 2:1	No	1
11	110mm Access Junction 1:0 2:1	No	1
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WATERBERG DISTRICT

12	110mm Bend 1:0 2:4	No	4
13	110mm Junction 1:0 2:1	No	1
14	110mm uPVC rodding eye cover in end of pipe 1:0 2:1	No	1
	<u>uPVC gulleys</u>		
15	110mm Gully not exceeding 750mm deep including standard pre-cast concrete surround 1:1 2:1	No	2
	<u>The following in catchpits, junction boxes and inlet manholes and covers</u>		
16	450 x 600mm x 74kg Type 8A cast iron double seal manhole cover and frame 1:1 2:0	No	1
17	65x65mm grate & frame square dish 1:3 2:0	No	3
	<u>SANITARY FITTINGS</u>		
	<u>"Franke" stainless steel</u>		
18	Franke Trendline Model 1200x535 DEB Grade 304 18/10 polished stainless steel double end bowl drop on sink (Code 312081), overall size 1200 x 535mm with two 343 x 110 x 140mm deep bowls, fitted onto cupboard (elsewhere specified) including PVC traps (traps elsewhere specified) 1:4 2:0	No	4
	<u>"Vaal"</u>		
19	VAAL POTTERIES vitreous china "Protea Paraplegic" 90° outlet pan and matching 9 liter cistern complete with lid, fittings and purpose made CP side flush lever mounted on wall adjacent to cistern. Bottom inlet water supply must be on the same side as flush lever. 1:4 2:0	No	4
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REFURBISHMENT AND CONSTRUCTION OF LEPHALALE TRAFFIC STATION
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20	VAAL POTTERIES vitreous chin "Daisy" (or similar approved) semi-close coupled 90° outlet open rim washdown pan (Code 751400) and matching 9 liter cistern (Code 71165C) complete with lid, fittings and slush pipe. 1:5 2:1	No	6
21	VAAL POTTERIES vitreous China wall hung "Lavatera" urinal top inlet (Code 705426) or back inlet (Code 705427). Overall size 600x385x380mm. Top inlet fittings (7054Z1) and back inlet fittings (Code 7054Z1) including a 38mm C.P domicile grating, a spreader (with 20mm diameter thread) and 2 hanger brackets. 1:8 2:0	No	8
22	VAAL POTTERIES vitreous china 510x405mm rounded "Hibiscus" (Or similar approved) wash and basin with two semipunched tap holes, integrated overflow and chain stay hole with 2x wall brackets and bottle traps. 1:3 2:1	No	4
<u>WASTE UNIONS ETC</u>			
<u>"Cobra Watertech"</u>			
23	Cobra Watertech 40mm chrome plated sink waste (Code: 316) with 70mm diameter flange, 45mm long shank, plug, chain and stay. 1:4 2:0	No	4
<u>TRAPS ETC</u>			
<u>"Marley"</u>			
24	40 x 300mm Sink combination for double bowl with deepseal "P" trap 1:4 2:0	No	4
25	40mm Flexi butyl rubber trap with reseal "P" trap 1:5 2:1	No	6
<u>"Cobra Watertech"</u>			
26	"Cobra Ref. 365/40" CP bottle trap 1:3 2:1	No	4

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REFURBISHMENT AND CONSTRUCTION OF LEPHALALE TRAFFIC STATION
WATERBERG DISTRICTTAPS, VALVES, ETC

27	Cobra Faucet taps 1:11 2:1	No	12
28	Cobra Watertech 15mm MI x FI x 75mm long extension piece with sliding wall flange (Code: 059-15). 1:4 2:1	No	5
29	Cobra Watertech 15mm compression type angle regulating valve with 10mm bendable copper outlet tube service connection (Code: 232/350). 1:6 2:1	No	7
30	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) 1:4 2:0	No	4
31	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. 1:8 2:0	No	8

SANITARY PLUMBINGUPVC, soil and vent pipes

32	50mm pipes 1:0 2:1	m	1
33	110mm pipes 1:0 2:1	m	1
34	50mm pipes chased into brickwork 1:0 2:28	m	28
35	110mm pipes chased into brick work 1:0 2:4	m	4
36	50mm pipes laid in and including trenches not 1m deep below surface bed 1:0 2:14	m	14

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WATERBERG DISTRICT

	<u>Extra over UPVC, soil and vent pipes for fittings</u>			
37	50mm BSP adaptor	m	1	
	1:0 2:1			
38	50mm Reducer	m	2	
	1:0 2:2			
39	110 Eccentric Reducer	m	1	
	1:0 2:1			
40	50mm Bend	m	1	
	1:0 2:1			
41	110mm Bend	m	1	
	1:0 2:1			
42	110mm Pan Connector	m	1	
	1:0 2:1			
43	50mm Junction	m	1	
	1:0 2:1			
44	110mm Junction	m	1	
	1:0 2:1			
45	50mm Access Bend	m	2	
	1:0 2:2			
46	110mm Access Bend	m	2	
	1:0 2:2			
	<u>WATER SUPPLIES</u>			
	<u>Class 0 copper pipes</u>			
47	15mm Pipes	m	2	
	1:0 2:2			
	<u>Extra over class 0 copper pipes for capillary fittings</u>			
48	15mm Fittings	No	2	
	1:0 2:2			
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REFURBISHMENT AND CONSTRUCTION OF LEPHALALE TRAFFIC STATION
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<u>Class 16 uPVC pressure pipes with solvent welded joints</u>				
49	100mm Pipes laid in and including trenches not exceeding 1m deep 1 : 150 2 : 2	m	152	
<u>Extra over class 16 uPVC pressure pipes for fittings with solvent welded joints</u>				
50	50mm Bend 1 : 5 2 : 1	No	6	
51	50mm Tee 1 : 2 2 : 1	No	3	
<u>Rainwater Tanks</u>				
52	Provide a sum of R150 000,00 (One hundred and fifty Thousand Rands) for the supply and installation of Rainwater tanks complete by Specialists	Item		150 000,00
53	Allow for giving every facility to Specialists as described	Item		
54	Allow for profit on above if required	Item		
<u>ELECTRIC WATER HEATERS</u>				
<u>"Kwikot"</u>				
55	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. 1 : 2 2 : 0	No	2	
Carried to Collection				
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REFURBISHMENT AND CONSTRUCTION OF LEPHALALE TRAFFIC STATION
WATERBERG DISTRICTFIRE APPLIANCES ETC'Chubb'

56	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	10
	1 : 10 2 : 0		
57	Service existing Fire extinguisher	No	12
	1 : 12 2 : 0		
58	"Everyway" hose reel complete with 30m plastic hose, chromium plated stopcock, shut-off nozzle and wall bracket	No	1
	1 : 1 2 : 0		

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<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>				
<u>4mm Clear float glass</u>				
1	Panes exceeding 0,1m2 and not exceeding 0,5m2 1 : 500 2 : 4 <u>4mm Rough cast glass</u>	m2	504	
2	Panes not exceeding 0,1m2 1 : 45 2 : 2	m2	47	
<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 1 : 11 2 : 1	No	12	
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<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>PAINTWORK ETC TO NEW AND PREVIOUSLY PAINTED WORK</u>			
<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>			
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REFURBISHMENT AND CONSTRUCTION OF LEPHALALE TRAFFIC STATION
WATERBERG DISTRICT

<u>Velvagro Polyurethane Velvet Enamel (VLO) to interior new cement plaster (WAA & TWA). 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 of Plascon Plaster Primer (UC 56) with an overcoating time of 16 hours</u>			
1	On internal walls 1 : 2900 2 : 51	m2	2 951
2	On plastered soffits 1 : 300 2 : 0	m2	300
<u>Plascon Polvin Super Acrylic to exterior new cement plaster (NW 105). 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 3 years in a C1 - inland environment.</u>			
3	On external walls 1 : 300 2 : 0	m2	300
4	On plastered soffits 1 : 30 2 : 0	m2	30
5	Sugar soup on face brick 1 : 710 2 : 0	m2	710
<u>Dilux Facebrick Dressing</u>			
6	On external walls 1 : 710 2 : 0	No	710
<u>ON FIBRE-CEMENT</u>			

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REFURBISHMENT AND CONSTRUCTION OF LEPHALALE TRAFFIC STATION
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<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>		
7	On ceilings and cornices 1 : 1320 2 : 16	m2 1 336
<u>Plascon Sure Coat Gloss Enamel to exterior 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 Sure Coat Gloss Enamel (SGE) with 16 hours drying time between coats, for a maintenance cycle of 2 years in a C1 - inland environment.</u>		
8	On fascias and barge boards 1 : 210 2 : 16	m2 226
9	On window sills not exceeding 300 mm girth 1 : 118 2 : 10	m 128
<u>ON METAL</u>		
<u>Plascon Velvagio 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 Velvagio Satin (VLO) with 16 hours drying time between coats, for a maintenance cycle of 7 years in a C1 - inland environment.</u>		
10	On door frames 1 : 120 2 : 4	m2 124
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WATERBERG DISTRICT

11	On windows with burglar bars 1 : 150 2 : 9	m2	159
12	On gates, grilles, burglar screens, balustrading, etc (both sides measured over the full flat area) 1 : 10 2 : 4	m2	14
13	On gutters, downpipes, etc 1 : 200 2 : 28	m	228
<u>ON WOOD</u>			
<u>Plascon Woodcare Clear Varnish to exterior 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 Woodcare Clear Varnish (CVE 5) with an overcoating time of 16 hours and finish with two coats Woodcare Clear Varnish (CVE 5) with 16 hours drying time between coats, for a maintenance cycle of 2 years in a C1 - inland environment.</u>			
14	On doors 1 : 220 2 : 8	m2	228
15	On timber purlins 1 : 150 2 : 8	m	158

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<u>SECTION NO.4</u>				
<u>BILL NO. 1</u>				
For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades				
<u>PAVING</u>				
<u>Materials and workmanship must be in accordance to the following SABS 1200 specifications:</u>				
C	- Site clearance			
D	- Earthworks			
DM	- Earthworks (Roads, subgrade)			
M	- Roads (General)			
ME	- Sub-base			
MF	- Base			
MK	- Kerb and Channeling			
MM	- Ancillary Roadworks			
<u>EARTHWORKS</u>				
<u>Site clearance</u>				
1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc	m2	100	
<u>Earthworks</u>				
2	Rip and scarify ground level to a depth of 150mm and consolidate to 90% mod. AASHTO density (minimum CBR 3)	m2	100	
3	Excavate in pickable earth to reduce ground level below paving and set aside for later use	m3	15	
4	Ditto, but cart away excavated material to a dumping place to be found by the contractor (cut to spoil)	m3	15	
5	Extra over excavation for excavation in soft rock	m3	8	
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REFURBISHMENT AND CONSTRUCTION OF LEPHALALE TRAFFIC STATION
WATERBERG DISTRICT

6	Ditto, but in hard rock	m3	2	
	<u>Paving layers</u>			
	The following to be natural selected gravel layers evenly spread and consolidated in layers and dimensions as specified and on the drawings. All thicknesses to be consolidated thicknesses.			
	Where described as "imported" the gravel to be supplied and carted on by the contractor from an approved borrow pit			
7	150mm Selected filling previously set aside compacted to 93% mod. AASHTO density	m3	15	
8	125mm Imported G7 material compacted to 95% mod. AASHTO density	m3	13	
9	125mm Imported C4 material with and including 3% 32,50 BV cement and consolidated to 97% mod. AASHTO density	m3	13	
10	Provide a sum of R5 000,00 (Five thousand rand) for compaction tests as required by the Engineer as per detail no.23		Item	5 000,00
	<u>PAVING</u>			
	<u>Interlocking paving</u>			
11	60mm Thick double interlocking (DZZ) precast grey coloured concrete paving blocks laid in a herringbone pattern on and including 20mm sand founding layer and covered with sandlayer and sweep into joints	m2	100	
12	Circular cutting to paving	m	50	
13	Weed-killing treatment of surface under paving	m2	100	
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REFURBISHMENT AND CONSTRUCTION OF LEPHALALE TRAFFIC STATION
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<u>Kerbs, etc</u>				
14	Precast concrete figure 8 mountable kerb (SABS 927), levelled and jointed in 1:5 cement mortar complete with 15Mpa/19mm in situ concrete support blocks size 225 x 150 x 225mm high, at joints at 1,0m centres, including leaving 6mm expansion joints at 10m intervals between kerbs	m	10	
15	Precast concrete figure 7 kerb (SABS 927), levelled and jointed in 1:5 cement mortar complete with 15Mpa/19mm in situ concrete support blocks size 225 x 150 x 225mm high, at joints at 1,0m centres, including leaving 6mm expansion joints at 10m intervals between kerbs	m	10	
16	Precast concrete figure 7 kerb (SABS 927), circular on plan n.e 4m area levelled and jointed in 1:5 cement mortar complete with 15Mpa/19mm in situ concrete support blocks size 225 x 150 x 225mm high, at joints at 1,0m centres, including leaving 6mm expansion joints at 10m intervals between kerbs	m	20	
<u>Sundries</u>				
17	Mass concrete (25MPa) in 60 x 60mm edge filler strip finished smooth on top with a wood float, including all excavation, formwork, etc	m	50	
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<u>BILL NO. 2</u>				
For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades				
<u>APRONS AROUND BUILDINGS</u>				
<u>Compaction of surfaces</u>				
1	Compaction of ground surface under aprons including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 90% Mod AASHTO density	m2	170	
<u>25MPa/19mm concrete</u>				
2	Aprons cast in panels to falls	m3	15	
3	Stormwater channel cast in panels	m3	6	
<u>Grooves, channels, mortices, sinkings, etc. in concrete</u>				
4	Segmental channel with radius 290mm and minimum depth of 100mm on top of concrete, incl. all excavations, cart away etc.	m	50	
<u>Finishing top surfaces of concrete smooth with a wood float</u>				
5	Aprons to falls	m2	120	
<u>Smooth formwork to sides</u>				
6	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	170	
<u>REINFORCEMENT (PROVISIONAL)</u>				
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Fabric reinforcement

7	Steeledale Mesh standard square fabric mesh, nominal mass 1,93 kg/m² with nominal 5,6mm thick wires and 200 x 200mm pitch (code 193), complying with SANS 1024/2006 requirements, in sheets 2,4 x 6m long.	m	170
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MOVEMENT JOINTS ETC

"Sondor"

8	Sondor Performance Foams Jointex low density (33kg/m³), cross linked, closed cell, expanded polyethylene joint former, size 75 x 10mm thick with tear off strip fitted to concrete surface with adhesive as per adhesive manufacturer's recommendation.	m	170
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Sika Primer-3N one component epoxy polyurethane based primer for joint sealants (Sikaflex-PRO 2HP and Sikaflex 11FC). applied in accordance with the manufacturer's instructions.

9	10 x 10mm In expansion joints including raking out of expansion joint filler as necessary	m	170
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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 R800 000.00 (Eight hundred thousands rands) 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

800 000.00

Item

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Bill No. 1
PROVISIONAL SUMS

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<u>Signage</u>			
4	Provide the sum of R20 000,00 (twenty thousand rand) for signage by Specialists	Item	20 000,00
5	Allow for profit on above if required	Item	
6	Allow for giving every facility to Specialists as described	Item	
<u>Window Blinds. etc</u>			
7	Provide the sum of R50 000,00 (fifty thousand rand) for window blinds by Specialists	Item	50 000,00
8	Allow for profit on above if required	Item	
9	Allow for giving every facility to Specialists as described	Item	
<u>Temporary accomodation</u>			
10	Provide the sum of R300 000,00 (three hundred thousand rand) for modular buildings	Item	300 000,00
11	Allow for profit on above if required	Item	
12	Allow for giving every facility to Specialists as described	Item	
<u>COMMUNITY LAISON OFFICER</u>			
13	Provide the sum of R 50 000-00 (Fifty thousand rand) for remuneration	Item	50 000,00
14	Allow for profit upon above, if required	Item	
15	Allow for attendance	Item	
<u>BUDGETARY ALLOWANCES</u>			
16	Provide R80 000 (Eighty thousand rands)for the removal and replacement of shower accessories including all plumbing works	Item	
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PROVISIONAL SUMS

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	<u>ELECTRICAL AND MECHANICAL INSTALLATION</u>			
	<u>Electrical Installation,etc</u>			
	Electrical Installation: Part B	Item		343 557.00
	<u>Mechanical Installation,etc</u>			
	Mechanical Installation : Part C	Item		1 283 963.00
	Sub Total B - BUILDING COSTS		R	
	<u>CONTINGENCY SUM</u>			
	Allow the amount of R370 000-00 (Three Hundred and Seventy Thousand Rand) for Contingencies for building work, to be used as directed by the Principal Agent and deducted in whole or in part if not required	Item		370 000.00
	Sub total C - BUILDINGS (VAT excl.)		R	
	Value Added Tax		R	
	Sub Total (VAT INCL.) CARRIED TO TENDER FORM		R	
	Carried to Form of Tender		R	
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