



**LIMPOPO**

PROVINCIAL GOVERNMENT  
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF

**PUBLIC WORKS, ROADS & INFRASTRUCTURE**

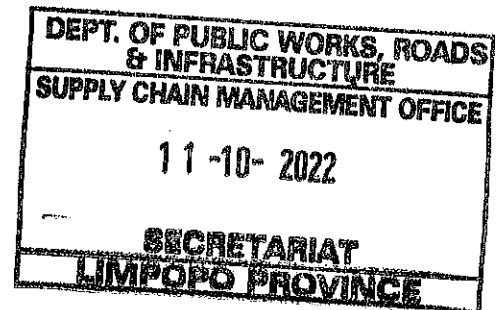
**BID NUMBER: LDPWRI- B/20285**

**APPOINTMENT OF CONTRACTOR FOR CONSTRUCTION OF NEW  
KITCHEN AND CANTEEN AT THE LIMPOPO TRAFFIC TRAINING  
COLLEGE IN THE VHEMBE DISTRICT**

for the

**THE DEPARTMENT OF TRANSPORT AND COMMUNITY SAFETY,**

**LIMPOPO PROVINCE**



**Issued by:**

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

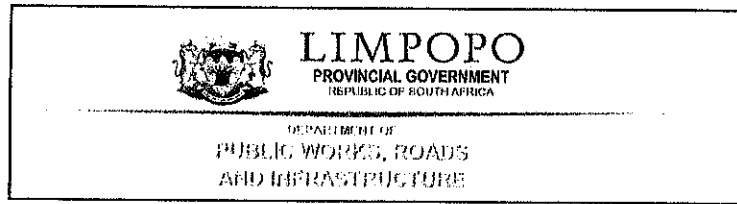
**Contact Person: General Queries**

Name : Mr NJ Motsopye,  
Tel No. : 015 284 7126  
Email : [motsopyen@dpw.limpopo.gov.za](mailto:motsopyen@dpw.limpopo.gov.za)

**Technical: Technical Queries**

Name : Mr. Richard Nthabalala  
Tel No. : 015 284 7375  
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**Name of the Bidder : .....**



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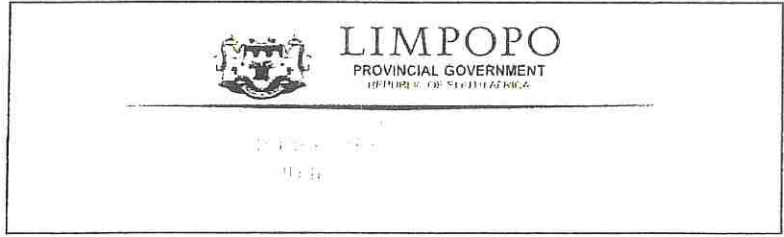
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# PART T1: TENDERING PROCEDURE

## T1.1 Tender Notice and Invitation to Tender

The Limpopo Department of Public Works, Roads and Infrastructure invites tenderers for **CONSTRUCTION OF NEW KITCHEN AND CANTEEN AT THE LIMPOPO TRAFFIC TRAINING COLLEGE** for a period of 24 months. It is estimated that tenderers must have a CIDB contractor grading designation of **7 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

<b>Project Name</b>	CONSTRUCTION OF NEW KITCHEN AND CANTEEN AT THE LIMPOPO TRAFFIC TRAINING COLLEGE for a period of 24 months.													
<b>Tender Number</b>	LDPWRI- B/20285													
<b>Tender documents availability</b>	Limpopo Department of Public Works, Roads and Infrastructure website													
<b>Address for submission of tenders</b>	DEPARTMENT OF PUBLIC WORKS, ROADS & INFRASTRUCTURE. Physical address: Corner River and Blaauwberg Streets, Ladanna, 0699.													
<b>Closing date of the tender</b>	As per Tender Advert													
<b>Closing time of the tender</b>	As per Tender Advert													
<b>Compulsory briefing meeting (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)</b>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>													
	Meeting venue	As per Tender Advert												
	Date	As per Tender Advert												
	Time:	As per Tender Advert												
<b>Evaluation criteria</b>	<ol style="list-style-type: none"> <li>1. Compliance with mandatory or compulsory requirements</li> <li>2. Local content and production</li> <li>3. Functionality</li> <li>4. Price and Preference</li> </ol>													
<b>Mandatory or Compulsory Requirements (failure to submit or comply with these requirements will lead to automatic disqualification)</b>	Only tenderers who are registered with the Construction Industry Development Board (CIDB) with designation of 7 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 or have entered into a Joint Venture agreements and meeting the conditions stated in Tender Data C.2.1 , are eligible to have their tenders evaluated													
	Local production and content threshold requirements: (failure to submit the fully completed and signed SBD 6.2 and Annexure C. will lead to automatic disqualifications). Bidders must comply with the stipulated local content threshold, failing of which will lead to disqualification. The industries, sectors and sub-sectors designated for local production with minimum local content thresholds, can be obtained or downloaded from the DTI website, including Local Content Declaration Templates (Annex C, D and E).													
	<table border="1"> <thead> <tr> <th>Item</th> <th>Local Content Threshold</th> </tr> </thead> <tbody> <tr> <td>Steel Construction Materials</td> <td>100%</td> </tr> <tr> <td>Fabricated structural steel</td> <td>100%</td> </tr> <tr> <td>Joining/ connecting components</td> <td>100%</td> </tr> <tr> <td>Fasteners</td> <td>100%</td> </tr> <tr> <td>Frames</td> <td>100%</td> </tr> </tbody> </table>	Item	Local Content Threshold	Steel Construction Materials	100%	Fabricated structural steel	100%	Joining/ connecting components	100%	Fasteners	100%	Frames	100%	
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Fabricated structural steel	100%													
Joining/ connecting components	100%													
Fasteners	100%													
Frames	100%													
	Completed and signed Form of Offer													
	Declaration for Sub-contracting Arrangements													

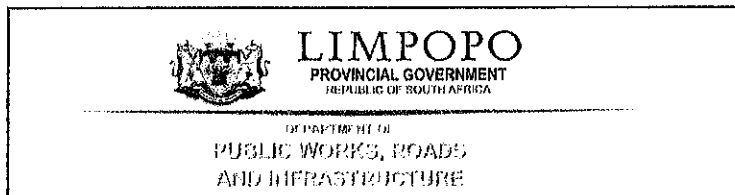


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	Completed and signed Company declaration
	Joint Venture / Consortium Agreement in case of Joint venture / Consortium
	Record of Addenda (where applicable)
	Certificate of Authority
	Submission of completed and signed SBD forms that form part of this bid ( SBD 1, 4, 6.1 and 6.2)

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## T1.2 Tender Data

Clause number	Tender Data
	<p>The conditions of tender are the Standard Conditions of Tender as contained in Annex C of Board Notice 423 of 2019 in Government Gazette No. 42622 of 08 August 2019, Construction Industry Development Board (CIDB) Standard for Uniformity in Construction Procurement. (See <a href="http://www.cidb.org.za">www.cidb.org.za</a>) which are reproduced without amendment or alteration for the convenience of tenderers as an Annex to this Tender Data.</p> <p>The Standard Conditions of Tender make several references to the Tender Data for details that apply specifically to this tender. The Tender Data shall have precedence in the interpretation of any ambiguity or inconsistency between it and the standard conditions of tender. Each item of data given below is cross-referenced to the clause in the Standard Conditions of Tender to which it mainly applies.</p> <p>The contractor shall achieve in the performance of the contract the Contract Participation Goals (CPG) relating to the engagement of targeted enterprises as established in the CIDB Standard for Indirect Targeting for Enterprise Development through Construction Works Contracts Gazette Notice <b>No. 36190 of 25 February 2013</b>. In this case, contractor shall provide a <b>minimum Contract Participation Goal (CPG) of 5%</b> of the total project value and develop targeted enterprises stated under C3 of this document.</p> <p>The following variations, amendments and additions to the Standard Conditions of Tender as set out in the Tender Data below shall apply to this tender. Add the following to clauses in Standard Conditions of Tender:</p>
C.1.1	The Employer is the Department of Public Works, Roads and Infrastructure

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C.1.2	<p><b>The Tender</b></p> <p><b>Part T1: Tendering procedures</b>  T1.1 Tender notice and invitation to tender  T1.2 Tender data</p> <p><b>Part T2: Returnable documents</b>  T2.1 List of returnable documents  T2.2 Returnable schedules</p> <p><b>The Contract Part C1: Agreements and contract data</b>  C1.1 Form of offer and acceptance  C1.2 Contract data  C1.3 Joint Venture Agreement (If Applicable)</p> <p><b>The Contract Part C2: Pricing data</b>  C2.1 Pricing instructions  C2.2 Bills of Quantities</p> <p><b>Part 3: Scope of work</b>  C3.1 Special Notes to Bidders  C3.2 OHS Specifications</p> <p><b>Part 4: Site information</b>  C4 Drawings</p>
C.1.4	<p>The employer's representative is :</p> <p>Name : Cubic Professional Consultants  Tel No. : 015 297 1762  Email : cubicprofessional@telkomsa.net</p> <p>However, all communications related to this bid should be directed to the persons indicated under Enquires on this tender document.</p> <p>Attention is also drawn to the fact that verbal information, given by the Employer's agent during site visits/clarification meetings or at any other time prior to the award of the Contract, will not be regarded as binding on the Employer. Only information issued formally by the Employer in writing to Tenderers will be regarded as amending the Tender Documents.</p>
C.1.5	<p>The employer reserve to cancel the tender prior to the award of the tender.</p>
C1.6.2	<p>A competitive negotiation procedure will not be followed.</p>
C1.6.3	<p>A two-stage system will not be followed.</p>

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C.2.1	<p><b>Eligibility in respect of CIDB grading</b></p> <p>Only tenderers who are registered with the Construction Industry Development Board (CIDB) with designation of 7 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.</p> <p>Joint ventures are eligible to submit tenders provided that:</p> <ol style="list-style-type: none"> <li>1. Every member of the joint venture is registered with the CIDB.</li> <li>2. The lead partner has a contractor grading designation of 7 GB or higher in the General Building works or not lower than one level below the required grading designation in the class of General Building works – Infrastructure under considerations and possess the required recognition status.</li> <li>3. The combined contractor grading designation calculated in accordance with the Construction Industry Development Regulations is equal to or higher than a contractor grading designation determined in accordance with the sum tendered for to 7 GB class of Building works or a value determined in accordance with Regulation 25 (1B) or 25(7A) of the Construction Industry Development Regulations.</li> </ol>
C2.2	<p><b>Cost of tendering</b></p> <p>The tenderer accept that, unless otherwise stated in the tender data, the employer will not compensate the tenderer for any costs incurred in the preparation and submission of a tender offer, including the costs of any testing necessary to demonstrate that aspects of the offer complies with requirements</p>
C.2.7	<p><b>Compulsory site briefing</b></p> <p>A compulsory briefing meeting will be held <b>as per Tender Advert</b></p> <p>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.</p>
C.2.11	<p><b>Alterations to the documents</b></p> <p>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</p>
C.2.12	<p><b>Alternative tender offer</b></p> <p>No alternative tender offer is permitted in this tender.</p>
C.2.13.2	<p><b>Replace sub-clause C.2.13.2 with the following;</b> Return all returnable documents to the employer after completing them in their entirety by writing in <b>non-erasable black ink</b></p>
C.2.13.3	<p>Parts of each tender offer communicated on paper shall be submitted as an original</p>
C.2.13.4	<p>The tender shall be signed by a person duly authorized to do so. Tenders submitted by joint ventures of two or more firms shall be accompanied by the document of formation of the joint venture, in the form of a joint venture agreement, in which it is defined precisely the conditions under which the joint venture will function, its period of duration, the persons authorized to represent and obligate it, the participation of the several firms forming the joint venture, and any other information necessary to permit a full appraisal of its functioning.</p> <p>Failure to provide the joint venture agreement, bound with the tender submission, on the date and time of the closing of the bid, shall render the tender nonresponsive.</p>

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C.2.13.5	<p>The employer's details and address for delivery of tender offers and identification details that are to be shown on each tender offer package are:</p> <p><b>Location of tender box: DEPARTMENT OF PUBLIC WORKS, ROADS &amp; INFRASTRUCTURE.</b>  <b>Physical address: Corner River and Blaauwberg Streets, Ladanna, 0699</b>  <b>Identification details:</b> Sealed Tender with Tender reference number, Title of Tender and the closing date and time of the tender.</p>
C.2.15.1	<p>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.</p>
C.2.16.1	<p>The tender offer validity period is <b>12 weeks or 90 days.</b></p>
C.2.16.2	<p>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).</p>
C.3.1	<p>The tenderer is required to submit the following:</p> <p><b>Broad-Based Black Economic Empowerment Status Level Certificates</b></p> <p>B-BBEE Verification Certificates issued by a verification agency accredited by the South African National Accreditation System (SANAS). Or in the case of an Exempted Micro Enterprise or a Qualifying Small Enterprise, if permitted in terms of the relevant code or A duly completed sworn affidavit on the relevant form obtained from the DTI website (<a href="https://www.thedti.gov.za/economic_empowerment/bee_codes.jsp">https://www.thedti.gov.za/economic_empowerment/bee_codes.jsp</a>). <b>Failure to complete the declaration and/or submitting the above-mentioned supporting documentation will lead to the rejection of a claim for a preference.</b></p> <p><b>Curriculum vitae (less than 4 pages), certified copies of Qualifications and professional registration of Key Personnel</b></p> <p>Tenderers are required to submit curriculum vitae and certified copies of qualifications of key personnel. A certified copy is considered valid when the certification is less than six months old on the date of closing of bids. Failure to submit these documents will result in the bidder forfeiting evaluation points.</p>
	<p><b>CIDB Grading Certificate</b></p> <p>Tenders are required to provide proof of registration with the CIDB register of contractors indicating the category of registration, grading as well as the CRS number of the tenderer.</p> <p><b>Letter of Good Standing</b></p> <p>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. Failure to submit will result in the bid not being evaluated further.</p>
C3.2	<p>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.</p>
C.3.4.1	<p>Tenders will <b>not</b> be opened immediately after the closing time for tenders.</p>
C.3.11	<p>The tenderers will be evaluated in four stages</p> <ul style="list-style-type: none"> <li>(i) Stage 1: Compliance with mandatory requirements as stated in Part T1.1</li> <li>(ii) Stage 2: Local content and production</li> <li>(iii) Stage 3: Functionality</li> <li>(iv) Stage 4: Price and Preference</li> </ul>

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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: Local content and production

Tenderers will be evaluated in terms of Local Content and Production in accordance with the stipulated minimum threshold for local production and content on **Annexure A** attached herewith.

The declaration made by the BIDDER in the Declaration Certificate for Local Content and Annex C will be used for this purpose.

All responses that will not meet the required minimum threshold for local content as stipulated in the specifications will be disqualified and not evaluated further. Only bidders that achieved the minimum threshold for local content and production proceed to the next stage of functionality.

All Declarations for Local Content and Production must be fully completed and signed by the tenderer. Failure to do so will lead to disqualification.

Bidders will need to meet a minimum threshold percentage for local production and content as set out in the Addendum of the Bid Document to be evaluated further on Stage 3 of Functionality.

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

<b>Description of services, works or goods Stipulated minimum threshold</b>	<b>Minimum threshold(s)</b>
Steel Construction Materials	100 %
Fabricated structural steel	100 %
Joining/ connecting components	100 %
Fasteners	100 %
Frames	100 %

- c) Stage 3: Functionality: Functionality of responsive bids submitted will be evaluated according to the predetermined criteria described below. **Bidders are required to score a minimum number of evaluation points of 70 for functionality in order to proceed to the next phase of evaluation.**

<b>CRITERIA</b>	<b>DESCRIPTION</b>	<b>POINTS</b>
a) Size of Enterprise and Current Workload	Capacity to execute the contract (with reference to current projects)	20
b) Profile of Key Staff	CVs and certified copies of qualifications must be attached for points to be allocated, and this must be linked to the company's organogram	30
c) Previous Experience	Relevant Experience in Similar Projects completed on time in the last 10 years	20
d) Project Approach/ Methodology	Bidder submit a project methodology, scheduling and cost projections to undertake this project	20
e) Safety, Health and Environmental Policy (SHEQ)	Health and safety plan in the execution of the works described in this tender.	10
<b>Maximum possible Score</b>		<b>100</b>

Refer to EVALUATION SCHEDULE 1, 2, and 4 for more details.

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**Stage 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

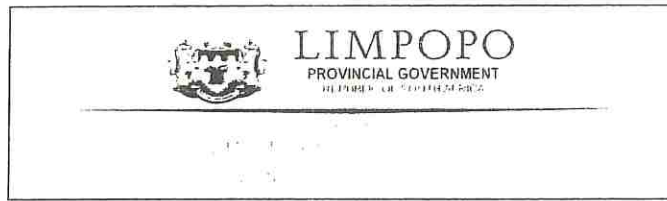
$P_m$  is the lowest Comparative bid price

$P_o$  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

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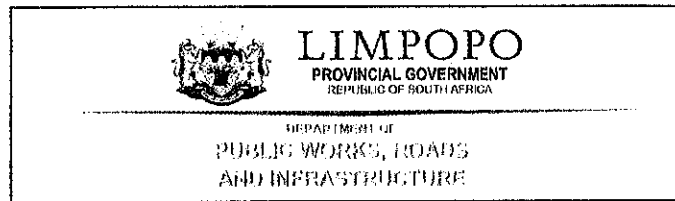




## PART T2: RETURNABLE DOCUMENTS

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## T2.1 : LIST OF RETURNABLE DOCUMENTS

1. The following returnable documents are compulsory and failure to comply will be considered non-responsive, and the bid will be automatically d be evaluated any further. All of these returnable documents are incorporated into the bid documents.

Only tenders having a CIDB grade of 7 GB or higher will be considered for evaluation (CIDB certificate must be provided)

- a. Compulsory Declaration
- b. Certificate of Authority
- c. SBD 1: Invitation to bid
- d. SBD 4: Bidders Declaration
- e. SBD 6.1: Reference Points claim form in terms of the Preferential Procurement Regulations 2017 or amended
- f. SBD 6.2: Declaration Certificate for Local Content and Production and Completion of Annexure C as attached on the tender document
- g. Completed and signed Form of offer
- h. Joint Venture / Consortium Agreement in case of Joint venture / Consortium
- i. Record of Addenda (where applicable)
- j. Form of Offer
- k. Declaration for Sub-contracting Arrangements

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

2. The following returnable documents are **required for tender evaluation purposes and do not lead to disqualification**
  - a. Curriculum Vitae (not longer than 4 pages) of all key staff allocated to this project, indicating their experience and qualifications and professional registration with various councils
  - b. Certified copies (not older than 6 months) of all qualifications, professional registrations and training
  - c. Letters of completion for previous or current work on an appropriate letterhead and signed off by client, must be attached. The letters must detail the scope of work undertaken, project value undertaken, date of award and completion, and location where work was carried out.
  - d. All current projects not completed at the time of this tender
  - e. Proof of ownership of the plant or confirmation of rental agreement thereof.
  - f. Methodology documentation, detailing the bidder's approach to execute the scope of works, risk and environmental impact
  - g. Signed Preferencing Schedule, including submitting the supporting documents
    - o B-BBEE Verification Certificates issued by a verification agency accredited by the South African National Accreditation System (SANAS). Or in the case of an Exempted Micro Enterprise or a Qualifying Small Enterprise, if permitted in terms of the relevant code,
    - o A duly completed sworn affidavit on the relevant form obtained from the DTI website ([https://www.thedti.gov.za/economic\\_empowerment/bee\\_codes.jsp](https://www.thedti.gov.za/economic_empowerment/bee_codes.jsp)). Failure to submit these documents will result in no points allocated
    - o **Bidders must note that failure to complete the declaration and/or submitting the above-mentioned supporting documentation will lead to the rejection of a claim for a preference.**

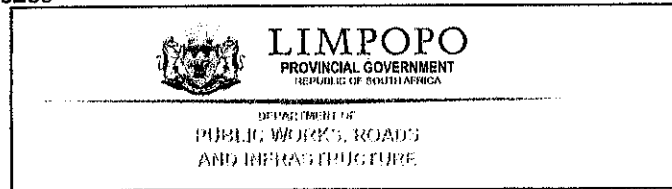
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- h. Copy of COIDA (Compensation for Occupational Injuries and Diseases) registration certificate, eg Letter of Good Standing
- i. A valid Tax Clearance / Compliance Certificate, or a unique security Personal Identification number (PIN) issued by the South African Revenue Services (where Consortium / Joint Venture / Sub-contractors / Sub-consultants are involved, each party to the association must submit a separate Valid Tax Clearance / Compliance Certificate or a unique security personal Identification number)
- j. Certified copy of directors' identity documents not older than three months. No copy of a certified copy will be accepted.
- k. Submission of fully Completed and Priced Bill of Quantities
- l. Fully completed original tender document.
- m. Proposed amendments and qualifications

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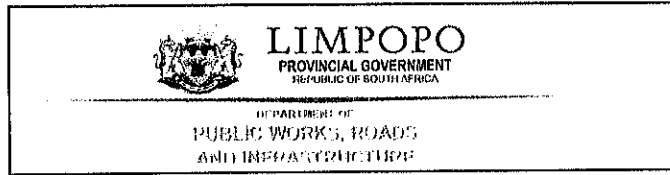
**T 2.2 : RETURNABLE SCHEDULE**

	Document Name	Returnable document
1.	Certificate of Authority	<input type="checkbox"/> Yes <input type="checkbox"/> No
2.	Record of Addenda to the tender	<input type="checkbox"/> Yes <input type="checkbox"/> No
3.	Compulsory Declaration	<input type="checkbox"/> Yes <input type="checkbox"/> No
4.	Preferencing schedule: Broad-based Black Economic Empowerment status	<input type="checkbox"/> Yes <input type="checkbox"/> No
5.	Proposed amendments and qualifications (if applicable)	<input type="checkbox"/> Yes <input type="checkbox"/> No
6.	SBD 1: Invitation to tender	<input type="checkbox"/> Yes <input type="checkbox"/> No
7.	SBD 4: Bidder's Disclosure	<input type="checkbox"/> Yes <input type="checkbox"/> No
8.	SBD 6.1: Reference Points claim form in terms of the Preferential Procurement Regulations 2017 or amended	<input type="checkbox"/> Yes <input type="checkbox"/> No
9.	SBD 6.2 Declaration Certificate for Local Production and Content	<input type="checkbox"/> Yes <input type="checkbox"/> No
10.	SBD 9: Certificate of Bid determination	<input type="checkbox"/> Yes <input type="checkbox"/> No
11.	Form of offer	<input type="checkbox"/> Yes <input type="checkbox"/> No
12.	CSD summary report	<input type="checkbox"/> Yes <input type="checkbox"/> No
13.	COIDA	<input type="checkbox"/> Yes <input type="checkbox"/> No
14.	Original tax clearance certificate or tax pin	<input type="checkbox"/> Yes <input type="checkbox"/> No
15.	Certified copy of Contractor Registration for Incorporation or of Company Registration Document	<input type="checkbox"/> Yes <input type="checkbox"/> No
16.	Joint venture certificate (where applicable)	<input type="checkbox"/> Yes <input type="checkbox"/> No
17.	B-BBEE Verification Certificates issued by a verification agency accredited by the South African National Accreditation System (SANAS)	<input type="checkbox"/> Yes <input type="checkbox"/> No
18.	Certified copies of Qualifications, Professional registration and Training for Key persons	<input type="checkbox"/> Yes <input type="checkbox"/> No
19.	Methodology/Method statement	<input type="checkbox"/> Yes <input type="checkbox"/> No
20.	Certificates or letters of completed or current similar projects, with Contactable references and on the Client's letterhead	<input type="checkbox"/> Yes <input type="checkbox"/> No
21.	Project Specific SHEQ Plan	<input type="checkbox"/> Yes <input type="checkbox"/> No
22.	Certified copy of directors' identity documents	<input type="checkbox"/> Yes <input type="checkbox"/> No
23.	Proof of CIDB class grading: 7GB or higher.	<input type="checkbox"/> Yes <input type="checkbox"/> No
24.	Preliminary Programme/schedule and cashflow	<input type="checkbox"/> Yes <input type="checkbox"/> No

CONSTRUCTION OF NEW KITCHEN AND CANTEEN AT THE LIMPOPO TRAFFIC TRAINING COLLEGE IN THE VHEMBE DISTRICT FOR THE LIMPOPO DEPARTMENT OF TRANSPORT AND COMMUNITY SAFETY

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25.	Letters of completion for previous or current work on an appropriate letterhead and signed off by client,	<input type="checkbox"/> Yes <input type="checkbox"/> No
-----	---	--



### Compulsory Declaration

The following particulars must be furnished. In the case of a joint venture, separate declaration in respect of each partner must be completed and submitted.	
<b>Section 1: Enterprise Details</b>	
Name of enterprise:	
Contact person:	
Email:	
Telephone:	
Cell no	
Fax:	
Physical address	
Postal address	
<b>Section 2: Particulars of companies and close corporations</b>	
Company / Close Corporation registration number	
<b>Section 3: SARS Information</b>	
Tax reference number	
VAT registration number:	<i>State Not Registered if not registered for VAT</i>
<b>Section 4: CIDB registration number</b>	
<b>Section 5: National Treasury Central Supplier Database</b>	
Supplier number	
Unique registration reference number	

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**Section 6: Particulars of principals**

**principal:** means a natural person who is a partner in a partnership, a sole proprietor, a director of a company established in terms of the Companies Act of 2008 (Act No. 71 of 2008) or a member of a close corporation registered in terms of the Close Corporation Act, 1984, (Act No. 69 of 1984).

Full name of principal	Identity number	Personal tax reference number

Attach separate page if necessary

**Section 7: Record in the service of the state**

Indicate by marking the relevant boxes with a cross, if any principal is currently or has been within the last 12 months in the service of any of the following:

- a member of any municipal council
- a member of any provincial legislature
- a member of the National Assembly or the National Council of Province
- a member of the board of directors of any municipal entity
- an official of any municipality or municipal entity
- an employee of any department, national or provincial public entity or constitutional institution within meaning of the Public Finance Management Act 1999 (Act No. 1 of 1999)
- a member of an accounting authority of any national or provincial public entity
- an employee of Parliament or a provincial legislature

If any of the above boxes are marked, disclose the following:

Name of principal	Name of institution, public office, board or organ of state and position held	Status of service (tick appropriate column)	
		Current	Within last months

\*insert separate page if necessary

**Section 8: Record of family member in the service of the state**

**family member:** a person's spouse, whether in a marriage or in a customary union according to indigenous law, domestic partner in a civil union, or child, parent, brother, sister, whether such a relationship results from birth, marriage or adoption

Indicate by marking the relevant boxes with a cross, if any family member of a principal as defined in section 5 is currently or has been within the last 12 months been in the service of any of the following:

- a member of any municipal council
- a member of any provincial legislature
- a member of the National Assembly or the National Council of Province
- a member of the board of directors of any municipal entity
- an official of any municipality or municipal entity
- an employee of any provincial department, national or provincial public entity or constitutional institution within the meaning of the Public Finance Management Act, 1999 (Act 1 of 1999)
- a member of an accounting authority of any national or provincial public entity
- an employee of Parliament or a provincial legislature

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Name of family member	Name of institution, public office, board or organ of state and position held	Status of service (tick appropriate column)	
		Current	Within last 12 months

\*insert separate page if necessary

**Section 9: Record of termination of previous contracts with an organ of state**

Was any contract between the tendering entity including any of its joint venture partners terminated during the past 5 years for reasons other than the employer no longer requiring such works or the employer failing to make payment in terms of the contract.

Yes       No (Tick appropriate box)

If yes, provide particulars (insert separate page if necessary)

**Section 10: Declaration**

The undersigned, who warrants that he / she is duly authorised to do so on behalf of the tendering entity confirms that the contents of this Declaration are within my personal knowledge, and save where stated otherwise in an attachment hereto, are to the best of my belief both true and correct, and:

- i) neither the name of the tendering entity or any of its principals appears on:
  - a) the Register of Tender Defaulters established in terms of the Prevention and Combating of Corrupt Activities Act of 2004 (Act No. 12 of 2004)
  - b) National Treasury's Database of Restricted Suppliers (see [www.treasury.gov.za](http://www.treasury.gov.za))
- ii) neither the tendering entity or any of its principals has within the last five years been convicted of fraud or corruption by a court of law (including a court outside of the Republic of South Africa);
- iii) any principal who is presently employed by the state has the necessary permission to undertake remunerative work outside such employment (attach permission to this declaration);
- iv) the tendering entity is not associated, linked or involved with any other tendering entities submitting tender offers
- v) has not engaged in any prohibited restrictive horizontal practices including consultation, communication, agreement, or arrangement with any competing or potential tendering entity regarding prices, geographical areas in which goods and services will be rendered, approaches to determining prices or pricing parameters, intentions to submit a tender or not, the content of the submission (specification, timing, conditions of contract etc) or intention to not win a tender;
- vi) has no other relationship with any of the tenderers or those responsible for compiling the scope of work that could cause or be interpreted as a conflict of interest;
- vii) neither the tenderer or any of its principals owes municipal rates and taxes or municipal service charges to any municipality or a municipal entity and are not in arrears for more than 3 months;
- viii) SARS may, on an on-going basis during the term of the contract, disclose the tenderer's tax compliance status to the Employer and when called upon to do so, obtain the written consent of any subcontractors who are subcontracted to execute a portion of the contract that is entered into in excess of the threshold prescribed by the National Treasury, for SARS to do likewise.

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Signed \_\_\_\_\_ Date \_\_\_\_\_

Name \_\_\_\_\_ Position \_\_\_\_\_

Enterprise \_\_\_\_\_

NOTE 2: Section 30(1) of the Public Service Act, 1994, prohibits an employee (person who is employed in posts on the establishment of departments) from performing or engaging remunerative work outside his or her employment in the relevant department, except with the written permission of the executive authority of the department. When in operation, Section 8(2) of the Public Administration Management Act, 2014, will prohibit an employee of the public administration (i.e. organs of state and all national departments, national government components listed in Part A of Schedule 3 to the Public Service Act, provincial departments including the office of the premier listed in Schedule 1 of the Public Service Act and provincial departments listed in schedule 2 of the Public Service Act, and provincial government components listed in Part B of schedule 3 of the Public Service Act) or persons contracted to executive authorities in accordance with the provisions of section 12A of the Public Service Act of 1994 or persons performing similar functions in organs of state from conducting business with the State or to be a director of a public or private company conducting business with the State. The offence for doing so is a fine or imprisonment for a period not exceeding 5 years or both. It is also a serious misconduct which may result in the termination of employment by the employer.

NOTE 3: Regulation 44 of Supply Chain Management regulations issued in terms of the Municipal Finance Management Act of 2003 requires that organs of state and municipal entities not award a contract to a person who is the service of the state, a director, manager or principal shareholder in the service of the state or who has been in the service of the state in the previous twelve months.

NOTE: 4: Regulation 45 of Supply Chain Management regulations requires a municipality or municipal entity to disclose in the notes to the annual statements particulars of any award made to a close family member in the service of the state.

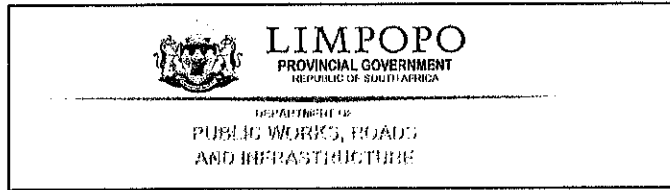
NOTE: 5 Corrupt activities which give rise to an offence in terms of the Prevention and Combating of Corrupt Activities Act of 2004) include improperly influencing in any way the procurement of any contract, the fixing of the price, consideration or other moneys stipulated or otherwise provided for in any contract and the manipulating by any means of the award of a tender.

NOTE: 6 Section 4 of the Competition Act of 1998 prohibits restrictive horizontal practice including agreements between parties in a horizontal relationship which have the effect of substantially preventing or lessening competition, directly or indirectly fixing prices or dividing markets or constitute collusive tendering. Section 5 also prohibits restrictive vertical practices. Any restrictive practices that are suspicious will be reported to the Competition Commission for investigation and possible imposition of administrative penalties



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**CERTIFICATE OF AUTHORITY**

Indicate the status of the tenderer by ticking the appropriate box hereunder. The tenderer must complete the certificate set out below for the relevant category.

A Company	B Partnership	C Joint Venture	D Sole Proprietor	E Close Corporation

**A. Certificate for company**

I,....., chairperson of the board of directors of ..... hereby confirm that by resolution of the board (copy attached) taken on .....20...., Mr/Mrs.....acting in the capacity of....., was authorised to sign all documents in connection with this tender and any contract resulting from it on behalf of the company.

As witness

1.....  
Chairman

2.....  
Date

**B. Certificate of partnership**

We, the undersigned, being the key partners in the business trading as ..... hereby authorise Mr/Mrs....., acting in the capacity of.....to sign all documents in connection with the tender for Contract.....and any contract resulting from it on our behalf.

NAME	ADDRESS	SIGNATURE	DATE

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NOTE: This certificate is to be completed and signed by all of the key partners upon whom rests the direction of the affairs of the Partnership as a whole.

**C. Certificate for Joint Venture**

We, the undersigned, are submitting this tender offer in Joint Venture and hereby authorise Mr/Mrs....., authorised signatory of the company .....acting in the capacity of lead partner, to sign all documents in connection with the tender offer for Contract.....and any other contract resulting from it on our behalf.

This authorisation is evidenced by the attached power of attorney signed by legally authorised signatories of all the partners to the Joint Venture.

NAME OF FIRM	ADDRESS	AUTHORISING SIGNATURE, NAME & CAPACITY

**D. Certificate for sole proprietor**

I, ....., hereby confirm that I am the sole owner of the business trading as.....

As Witness:

1..... Signature: Sole owner

2..... Date

**E. Certificate for Close Corporation**

We, the undersigned, being the key members in the business trading as.....hereby authorise Mr/Mrs.....acting in the capacity of....., to sign all documents in connection with the tender for Contract.....and any contract resulting from it on our behalf.

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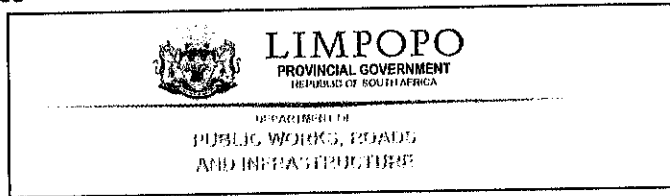
CONTRACT No. LDPWRI-B/20285

NAME	ADDRESS	SIGNATURE	DATE

NOTE: This certificate is to be completed and signed by all the key members upon whom rests the direction of the affairs of the Close Corporation as a whole

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**Record of Addenda to tender documents**

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

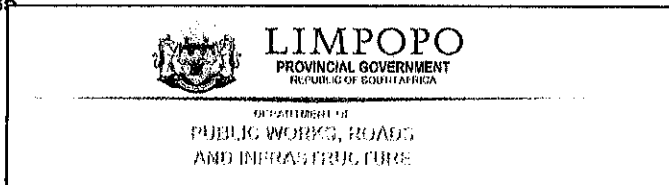
	Date	Title or Details
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		

Attach additional pages if more space is required.

Signed \_\_\_\_\_ Date \_\_\_\_\_

Name \_\_\_\_\_ Position \_\_\_\_\_

Tenderer \_\_\_\_\_



**Preferencing schedule: Broad Based Black Economic Empowerment Status**

**Preamble**

Section 10(b) of the Broad-Based Black Economic Empowerment Act of 2003 (Act No. 53 of 2003) states that "Every organ of state and public entity must take into account and, as far as is reasonably possible, apply any **relevant code of good practice** issued in terms of this Act in developing and implementing a preferential procurement policy."

A number of codes of good practice have been issued in terms of Section 9(1) of the B-BBEE Act of 2003, including a generic code of good practice and various sector codes. The sector codes vary the metrics, weightings and targets used in the generic code of good practice to establish the overall performance of an entity and its B-BBEE status. The B-BBEE status needs to be assessed in accordance with the applicable code.

**1 Conditions associated with the granting of preferences**

Tenderers who claim a preference shall provide proof of B-BBEE status level of contributor in accordance with the requirements of section 2 in respect of the applicable code as at the closing time for submissions, falling which their claims for preferences will be rejected.

**1 Proof of B-BBEE status level of contributor**

Proof of B-BBEE status level of contributor shall be by means of

- the B-BBEE status level certificate issued by an authorised body or person;
- a sworn affidavit as prescribed by the B-BBEE Codes of Good Practice; or
- any other requirement prescribed in terms of the Broad-Based Black Economic Empowerment Act

**2 Tender preferences claimed**

The scoring shall be as follows:

B-BBEE status level of contributor	Status level of tenderer (tick relevant level)	Number of preference points	
		90/10 preference points system	80/20 preference points system
Form not completed or non-complaint contributor		0	0
Level 8 contributor		1	2
Level 7 contributor		2	4
Level 6 contributor		3	6
Level 5 contributor		4	8
Level 4 contributor		5	12
Level 3 contributor		6	14
Level 2 contributor		9	18

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Level 1 contributor		10	20
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**4 Declaration**

The tenderer declares that

- a) the tendering entity is a level contributor as stated in the submitted proof of B-BBEE status level of contributor as at the closing date for submissions
- b) the tendering entity has been measured in terms of the following code (tick applicable box):

- Generic code of good practice
- Construction Sector Code
- Other – specify

.....  
 .....

- c) the tendering entity confirms that it will only enter into a subcontract with the Employer's prior approval and is not permitted to subcontract more than 25% of the total of the prices of the contract to any other enterprise that does not have an equal or higher B-BBEE status level of contributor unless the contract is subcontractor to an Exempted Micro Enterprises which has the capability to execute the contract. .
- d) the contents of the declarations made in terms of a) and b) above are within my personal knowledge and are to the best of my belief both true and correct

The undersigned, who warrants that he/she is duly authorised to do so on behalf of the tenderer, confirms that he/she understands the conditions under which such preferences are granted and confirms that the tenderer satisfies the conditions pertaining to the granting of tender preferences.

Signature: .....

Name: .....

Duly authorised to sign on behalf of: .....

Telephone: .....

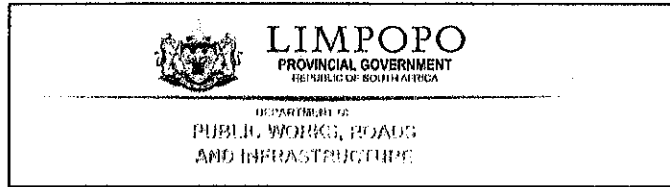
Fax: ..... Date: .....

Name of witness: ..... Signature of witness: .....

- Note:**
- 1) Failure to complete the declaration will lead to the rejection of a claim for a preference.
  - 2) Supporting documentation of the abovementioned claim for a preference must be submitted with the tender submission to be eligible for a preference

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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.

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

Page	Clause or item	Proposal

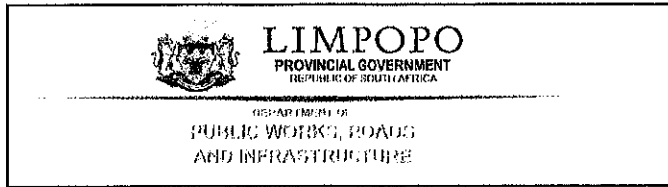
Signed \_\_\_\_\_ Date \_\_\_\_\_

Name \_\_\_\_\_ Position \_\_\_\_\_

Tenderer \_\_\_\_\_

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**SBD 1**

**PART A: INVITATION TO BID**

<b>YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF THE LIMPOPO DEPARTMENT OF PUBLIC WORKS, ROADS AND INFRASTRUCTURE</b>					
BID NUMBER:	LDPWRI-B/20285	CLOSING DATE	As per Tender Advert	CLOSING TIME:	11:00am
DESCRIPTION	<b>CONSTRUCTION OF NEW KITCHEN AND CANTEEN AT THE LIMPOPO TRAFFIC TRAINING COLLEGE IN THE VHEMBE DISTRICT</b>				
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.					
<b>BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO</b>					
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		
<b>SUPPLIER INFORMATION</b>					
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
B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE	TICK APPLICABLE BOX] <input type="checkbox"/> Yes <input type="checkbox"/> No		B-BBEE STATUS LEVEL SWORN AFFIDAVIT	[TICK APPLICABLE BOX] <input type="checkbox"/> Yes <input type="checkbox"/> No	
<b>[A B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE/ SWORN AFFIDAVIT (FOR EMES &amp; QSEs) MUST BE SUBMITTED IN ORDER TO QUALIFY FOR PREFERENCE POINTS FOR B-BBEE]</b>					



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ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS /SERVICES /WORKS OFFERED?	<input type="checkbox"/> Yes <input type="checkbox"/> No [IF YES ENCLOSE PROOF]	ARE YOU A FOREIGN BASED SUPPLIER FOR THE GOODS /SERVICES /WORKS OFFERED?	<input type="checkbox"/> Yes <input type="checkbox"/> No [IF YES, ANSWER THE QUESTIONNAIRE BELOW ]
---	--	--	---

<b>QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS</b>	
IS THE ENTITY A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)?	<input type="checkbox"/> YES <input type="checkbox"/> NO
DOES THE ENTITY HAVE A BRANCH IN THE RSA?	<input type="checkbox"/> YES <input type="checkbox"/> NO
DOES THE ENTITY HAVE A PERMANENT ESTABLISHMENT IN THE RSA?	<input type="checkbox"/> YES <input type="checkbox"/> NO
DOES THE ENTITY HAVE ANY SOURCE OF INCOME IN THE RSA?	<input type="checkbox"/> YES <input type="checkbox"/> NO
IS THE ENTITY LIABLE IN THE RSA FOR ANY FORM OF TAXATION?	<input type="checkbox"/> YES <input type="checkbox"/> NO
IF THE ANSWER IS "NO" TO ALL OF THE ABOVE, THEN IT IS NOT A REQUIREMENT TO REGISTER FOR A TAX COMPLIANCE STATUS SYSTEM PIN CODE FROM THE SOUTH AFRICAN REVENUE SERVICE (SARS) AND IF NOT REGISTER AS PER 2.3 BELOW.	

**PART B: TERMS AND CONDITIONS FOR BIDDING**

<b>1. BID SUBMISSION:</b>
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).
<b>2. TAX COMPLIANCE REQUIREMENTS</b>
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.

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SIGNATURE OF BIDDER:

.....

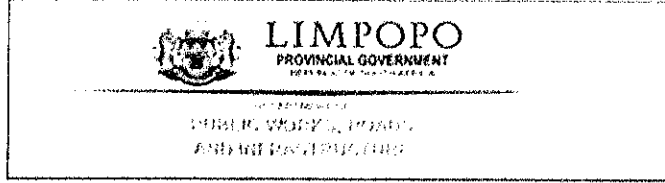
CAPACITY UNDER WHICH THIS BID IS SIGNED:

.....

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

DATE:

.....



SBD4

## BIDDER'S DISCLOSURE

### 1. PURPOSE OF THE FORM

Any person (natural or juristic) may make an offer or offers in terms of this invitation to bid. In line with the principles of transparency, accountability, impartiality, and ethics as enshrined in the Constitution of the Republic of South Africa and further expressed in various pieces of legislation, it is required for the bidder to make this declaration in respect of the details required hereunder.

Where a person/s are listed in the Register for Tender Defaulters and / or the List of Restricted Suppliers, that person will automatically be disqualified from the bid process.

### 2. Bidder's declaration

- 2.1 Is the bidder, or any of its directors / trustees / shareholders / members / partners or any person having a controlling interest<sup>1</sup> in the enterprise, employed by the state? **YES/NO**
- 2.1.1 If so, furnish particulars of the names, individual identity numbers, and, if applicable, state employee numbers of sole proprietor/ directors / trustees / shareholders / members/ partners or any person having a controlling interest in the enterprise, in table below.

Full Name	Identity Number	Name of State institution

<sup>1</sup> the power, by one person or a group of persons holding the majority of the equity of an enterprise, alternatively, the person/s having the deciding vote or power to influence or to direct the course and decisions of the enterprise.

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2.2 Do you, or any person connected with the bidder, have a relationship with any person who is employed by the procuring institution? **YES/NO**

2.2.1 If so, furnish particulars:

.....  
.....

2.3 Does the bidder or any of its directors / trustees / shareholders / members / partners or any person having a controlling interest in the enterprise have any interest in any other related enterprise whether or not they are bidding for this contract? **YES/NO**

2.3.1 If so, furnish particulars:

.....  
.....

**3 DECLARATION**

I, the undersigned, (name)..... in submitting the accompanying bid, do hereby make the following statements that I certify to be true and complete in every respect:

- 3.1 I have read and I understand the contents of this disclosure;
- 3.2 I understand that the accompanying bid will be disqualified if this disclosure is found not to be true and complete in every respect;
- 3.3 The bidder has arrived at the accompanying bid independently from, and without consultation, communication, agreement or arrangement with any competitor. However, communication between partners in a joint venture or consortium<sup>2</sup> will not be construed as

<sup>2</sup> Joint venture or Consortium means an association of persons for the purpose of combining their expertise, property, capital, efforts, skill and knowledge in an activity for the execution of a contract.

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collusive bidding.

- 3.4 In addition, there have been no consultations, communications, agreements or arrangements with any competitor regarding the quality, quantity, specifications, prices, including methods, factors or formulas used to calculate prices, market allocation, the intention or decision to submit or not to submit the bid, bidding with the intention not to win the bid and conditions or delivery particulars of the products or services to which this bid invitation relates.
- 3.4 The terms of the accompanying bid have not been, and will not be, disclosed by the bidder, directly or indirectly, to any competitor, prior to the date and time of the official bid opening or of the awarding of the contract.
- 3.5 There have been no consultations, communications, agreements or arrangements made by the bidder with any official of the procuring institution in relation to this procurement process prior to and during the bidding process except to provide clarification on the bid submitted where so required by the institution; and the bidder was not involved in the drafting of the specifications or terms of reference for this bid.
- 3.6 I am aware that, in addition and without prejudice to any other remedy provided to combat any restrictive practices related to bids and contracts, bids that are suspicious will be reported to the Competition Commission for investigation and possible imposition of administrative penalties in terms of section 59 of the Competition Act No 89 of 1998 and or may be reported to the National Prosecuting Authority (NPA) for criminal investigation and or may be restricted from conducting business with the public sector for a period not exceeding ten (10) years in terms of the Prevention and Combating of Corrupt Activities Act No 12 of 2004 or any other applicable legislation.

I CERTIFY THAT THE INFORMATION FURNISHED IN PARAGRAPHS 1, 2 and 3 ABOVE IS CORRECT.

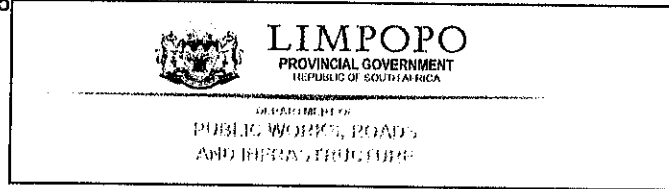
I ACCEPT THAT THE STATE MAY REJECT THE BID OR ACT AGAINST ME IN TERMS OF PARAGRAPH 6 OF PFMA SCM INSTRUCTION 03 OF 2021/22 ON PREVENTING AND COMBATING ABUSE IN THE SUPPLY CHAIN MANAGEMENT SYSTEM SHOULD THIS DECLARATION PROVE TO BE FALSE.

.....  
Signature

.....  
Date

.....  
Position

.....  
Name of bidder



SBD 6.1

**PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL PROCUREMENT REGULATIONS 2017**

This preference form must form part of all bids invited. It contains general information and serves as a claim form for preference points for Broad-Based Black Economic Empowerment (B-BBEE) Status Level of Contribution

**NB: BEFORE COMPLETING THIS FORM, BIDDERS MUST STUDY THE GENERAL CONDITIONS, DEFINITIONS AND DIRECTIVES APPLICABLE IN RESPECT OF B-BBEE, AS PRESCRIBED IN THE PREFERENTIAL PROCUREMENT REGULATIONS, 2017.**

**1. GENERAL CONDITIONS**

1.1 The following preference point systems are applicable to all bids:

- 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

- a) The value of this bid is estimated to not exceed R50 000 000 (all applicable taxes included) and therefore the ...80/20..... preference point system shall be applicable; or
- b) Either the 80/20 or 90/10 preference point system will be applicable to this tender (*delete whichever is not applicable for this tender*).

1.3 Points for this bid shall be awarded for:

- (a) Price; and
- (b) B-BBEE Status Level of Contributor.

1.4 The maximum points for this bid are allocated as follows:

	POINTS
PRICE	80
B-BBEE STATUS LEVEL OF CONTRIBUTOR	20
<b>Total points for Price and B-BBEE must not exceed</b>	<b>100</b>

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- 1.5 Failure on the part of a bidder to submit proof of B-BBEE Status level of contributor together with the bid, will be interpreted to mean that preference points for B-BBEE status level of contribution are not claimed.
- 1.6 The purchaser reserves the right to require of a bidder, either before a bid is adjudicated or at any time subsequently, to substantiate any claim in regard to preferences, in any manner required by the purchaser.

## 2. DEFINITIONS

- (a) **"B-BBEE"** means broad-based black economic empowerment as defined in section 1 of the Broad-Based Black Economic Empowerment Act;
- (b) **"B-BBEE status level of contributor"** means the B-BBEE status of an entity in terms of a code of good practice on black economic empowerment, issued in terms of section 9(1) of the Broad-Based Black Economic Empowerment Act;
- (c) **"bid"** means a written offer in a prescribed or stipulated form in response to an invitation by an organ of state for the provision of goods or services, through price quotations, advertised competitive bidding processes or proposals;
- (d) **"Broad-Based Black Economic Empowerment Act"** means the Broad-Based Black Economic Empowerment Act, 2003 (Act No. 53 of 2003);
- (e) **"EME"** means an Exempted Micro Enterprise in terms of a code of good practice on black economic empowerment issued in terms of section 9 (1) of the Broad-Based Black Economic Empowerment Act;
- (f) **"functionality"** means the ability of a tenderer to provide goods or services in accordance with specifications as set out in the tender documents.
- (g) **"prices"** includes all applicable taxes less all unconditional discounts;
- (h) **"proof of B-BBEE status level of contributor"** means:
- 1) B-BBEE Status level certificate issued by an authorized body or person;
  - 2) A sworn affidavit as prescribed by the B-BBEE Codes of Good Practice;
  - 3) Any other requirement prescribed in terms of the B-BBEE Act;
- (i) **"QSE"** means a qualifying small business enterprise in terms of a code of good practice on black economic empowerment issued in terms of section 9 (1) of the Broad-Based Black Economic Empowerment Act;
- (j) **"rand value"** means the total estimated value of a contract in Rand, calculated at the time of bid invitation, and includes all applicable taxes;

## 3. POINTS AWARDED FOR PRICE

### 3.1 THE 80/20 OR 90/10 PREFERENCE POINT SYSTEMS





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**(Tick applicable box)**

YES	<input type="checkbox"/>	NO	<input type="checkbox"/>
-----	--------------------------	----	--------------------------

7.1.1 If yes, indicate:

- i) What percentage of the contract will be subcontracted.....%
- ii) The name of the sub-contractor.....
- iii) The B-BBEE status level of the sub-contractor.....
- iv) Whether the sub-contractor is an EME or QSE

**(Tick applicable box)**

YES	<input type="checkbox"/>	NO	<input type="checkbox"/>
-----	--------------------------	----	--------------------------

- v) Specify, by ticking the appropriate box, if subcontracting with an enterprise in terms of Preferential Procurement Regulations,2017:

Designated Group: An EME or QSE which is at last 51% owned by:	EME √	QSE √
Black people		
Black people who are youth		
Black people who are women		
Black people with disabilities		
Black people living in rural or underdeveloped areas or townships		
Cooperative owned by black people		
Black people who are military veterans		
<b>OR</b>		
Any EME		
Any QSE		

**8. DECLARATION WITH REGARD TO COMPANY/FIRM**

8.1 Name of company/firm:.....

8.2 VAT registration number:.....

8.3 Company registration number:.....

**8.4 TYPE OF COMPANY/ FIRM**

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

[TICK APPLICABLE BOX]

**8.5 DESCRIBE PRINCIPAL BUSINESS ACTIVITIES**

.....

.....

.....

.....

CONSTRUCTION OF NEW KITCHEN AND CANTEEN AT THE LIMPOPO TRAFFIC TRAINING COLLEGE IN THE VHEMBE DISTRICT FOR THE LIMPOPO DEPARTMENT OF TRANSPORT AND COMMUNITY SAFETY

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8.6 COMPANY CLASSIFICATION

- Manufacturer
- Supplier
- Professional service provider
- Other service providers, e.g. transporter, etc.

[TICK APPLICABLE BOX]

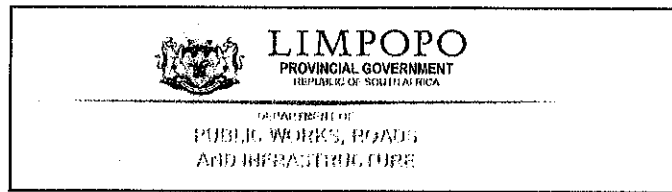
8.7 Total number of years the company/firm has been in business:.....

8.8 I/we, the undersigned, who is / are duly authorised to do so on behalf of the company/firm, certify that the points claimed, based on the B-BBE status level of contributor indicated in paragraphs 1.4 and 6.1 of the foregoing certificate, qualifies the company/ firm for the preference(s) shown and I / we 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 6.1, the contractor may be required to furnish documentary proof to the satisfaction of the purchaser that the claims are correct;
- iv) If the B-BBEE status level of contributor has been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the purchaser may, in addition to any other remedy it may have –
  - (a) disqualify the person from the bidding 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 bidder or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, be restricted by the National Treasury 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.

WITNESSES	
1.	.....
2.	.....

.....	
SIGNATURE(S) OF BIDDERS(S)	
DATE:	.....
ADDRESS	.....
	.....
	.....



SBD 6.2

## DECLARATION CERTIFICATE FOR LOCAL PRODUCTION AND CONTENT FOR DESIGNATED SECTORS

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

Before completing this declaration, bidders must study the General Conditions, Definitions, Directives applicable in respect of Local Content as prescribed in the Preferential Procurement Regulations, 2017, the South African Bureau of Standards (SABS) approved technical specification number SATS 1286:2011 (Edition 1) and the Guidance on the Calculation of Local Content together with the Local Content Declaration Templates [Annex C (Local Content Declaration: Summary Schedule), D (Imported Content Declaration: Supporting Schedule to Annex C) and E (Local Content Declaration: Supporting Schedule to Annex C)].

### 1. General Conditions

- 1.1. Preferential Procurement Regulations, 2017 (Regulation 8) make provision for the promotion of local production and content.
- 1.2. Regulation 8.(2) prescribes that in the case of designated sectors, organs of state must advertise such tenders with the specific bidding condition that only locally produced or manufactured goods, with a stipulated minimum threshold for local production and content will be considered.
- 1.3. Where necessary, for tenders referred to in paragraph 1.2 above, a two stage bidding process may be followed, where the first stage involves a minimum threshold for local production and content and the second stage price and B-BBEE.
- 1.4. A person awarded a contract in relation to a designated sector, may not sub-contract in such a manner that the local production and content of the overall value of the contract is reduced to below the stipulated minimum threshold.
- 1.5. The local content (LC) expressed as a percentage of the bid price must be calculated in accordance with the SABS approved technical specification number SATS 1286: 2011 as follows:

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

Where

- x is the imported content in Rand  
y is the bid price in Rand excluding value added tax (VAT)

CONSTRUCTION OF NEW KITCHEN AND CANTEEN AT THE LIMPOPO TRAFFIC TRAINING COLLEGE IN THE VHEMBE DISTRICT FOR THE LIMPOPO DEPARTMENT OF TRANSPORT AND COMMUNITY SAFETY

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

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

1.6. A bid may be disqualified if this Declaration Certificate and the Annex C (Local Content Declaration: Summary Schedule) are not submitted as part of the bid documentation;

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

<u>Description of services, works or goods</u>	<u>Stipulated minimum threshold</u>
Steel Construction material	100%
Fabricated structural steel	100%
Joining/ connecting components	100%
Fasteners	100%
Frames	100%

3. Does any portion of the goods or services offered have any imported content?

(Tick applicable box)

YES	<input type="checkbox"/>	NO	<input type="checkbox"/>
-----	--------------------------	----	--------------------------

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

The relevant rates of exchange information is accessible on [www.reservebank.co.za](http://www.reservebank.co.za)

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

Currency	Rates of exchange
US Dollar	
Pound Sterling	
Euro	
Yen	
Other	

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

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

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

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

**IN RESPECT OF BID NO.** .....

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

**NB**

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

I, the undersigned, ..... (full names),  
do hereby declare, in my capacity as .....  
of ..... (name of bidder  
entity), the following:

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

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

**If the bid is for more than one product, the local content percentages for each product contained in Declaration C shall be used instead of the table above.**

**The local content percentages for each product has been calculated using the formula given in clause 3 of SATS 1286:2011, the rates of exchange indicated in paragraph 4.1 above and the information contained in Declaration D and E.**

- (d) I accept that the Procurement Authority / Institution has the right to request that the local content be verified in terms of the requirements of SATS 1286:2011.
- (e) I understand that the awarding of the bid is dependent on the accuracy of the information furnished in this application. I also understand that the submission of incorrect data, or data that are not verifiable as described in SATS 1286:2011, may result in the Procurement Authority / Institution imposing any or all of the remedies as provided for in Regulation 14 of the Preferential Procurement Regulations, 2017 promulgated under the Preferential Policy Framework Act (PPPFA), 2000 (Act No. 5 of 2000).

**SIGNATURE:** \_\_\_\_\_

**DATE:** \_\_\_\_\_

**WITNESS No. 1** \_\_\_\_\_

**DATE:** \_\_\_\_\_

**WITNESS No. 2** \_\_\_\_\_

**DATE:** \_\_\_\_\_

Annex C

(C1) Tender No. LDPWRI-B/20285  
 (C2) Tender description: CONSTRUCTION OF NEW CANTEN, KITCHEN, ELECTRICAL INSTALLATION, MECHANICAL INSTALLATION, CIVIL AND STRUCTURAL WORKS AND EXTERNAL WORKS

(C3) Designated product(s)  
 (C4) Tender Authority: LIMPOPO TRAFFIC TRAINING COLLEGE  
 (C5) Tendering Entity name: Pula  
 (C6) Tender Exchange Rate: EU  GBP   
 (C7) Specified local content %

Note: VAT to be excluded from all calculations

Tender item no's	List of items	Calculation of local content					Local content % (per item)
		Tender price each (excl VAT)	Exempted imported value	Tender value net of exempted imported content	Imported value	Local value	
		(C10)	(C11)	(C12)	(C13)	(C14)	(C15)
(C8)							
25/57	10mm mild steel diameter bars						
26/57	12mm Diameter high tensile bars						
27/57	16mm Diameter high tensile bars						
31/58	75mm Brick Reinforcement						
32/58	150mm Brick Reinforcement						
14/63	8mm mild steel diameter bars						
15/63	10mm Diameter high tensile bars						
16/63	12mm Diameter high tensile bars						
17/63	16mm Diameter high tensile bars						
18/63	20mm Diameter high tensile bars						
19/63	25mm Diameter high tensile bars						
20/63	1.93kg/m <sup>3</sup> mesh reinforcement						
8/67	75mm Brick Reinforcement						

Tender Qty	Total tender value	Tender summary	
		Total exempted imported content	Total Imported content
Unit		(C18)	(C19)
3			
12,80			
1,80			
303			
781			
1,4			
3,5			
2,20			
3,84			
2,95			
3,96			
1,061			
929			

Total tender value	R 0
(C21) Total Exempt imported content	R 0
(C22) Total Tender value net of exempt imported content	R 0
(C23) Total Imported content	R 0
(C24) Total local content	R 0
(C25) Average local content % of tender	R 0

Signature of tenderer from Annex B

Date: \_\_\_\_\_

Annex C

Note: VAT to be excluded from all calculations

(C1) Tender No. LDPWRI-8/20285  
 (C2) Tender description: CONSTRUCTION OF NEW CANTEEN, KITCHEN, ELECTRICAL INSTALLATION, MECHANICAL INSTALLATION, CIVIL AND STRUCTURAL WORKS AND EXTERNAL WORKS  
 (C3) Designated product(s)  
 (C4) Tender Authority:  
 (C5) Tendering Entity name: LIMPOPO TRAFFIC TRAINING COLLEGE  
 (C6) Tender Exchange Rate: Pula  
 (C7) Specified local content %

EU  GBP

Tender item no's	List of items	Calculation of local content				Tender summary						
		Tender price - each (excl VAT) (C10)	Exempted imported value (C11)	Tender value net of exempted imported content (C12)	Imported value (C13)	Local value (C14)	Local content % (per item) (C15)	Unit	Tender Qty (C16)	Total tender value (C17)	Total exempted imported content (C18)	Total Imported content (C19)
(C8)												
9/67	150mm Brick Reinforcement								m	3 435		
1/73	Roof covering								m <sup>2</sup>	638		
2/73	Ridge Cap								m	19		
3/73	Side wall flashing								m	37		
2/75	762 x 2032mm Door								No	9,00		
3/76	813 x 2032mm Door								No	12		
4/76	914 x 2032mm Door								No	5		
5/76	1575 x 2032mm Door								No	1		
6/76	1830 x 2032mm Door								No	1		
7/76	135 x 19mm Meranti timber window cill								m	32		
1/91	50mm External diameter x 2,0mm hollow section rails								m	292		
2/91	50mm Hollow section post fixed to base plate								m	219		

(C20) Total tender value R 0  
 (C21) Total Exempt imported content R 0  
 (C22) Total Tender value net of exempt imported content R 0  
 (C23) Total Imported content R 0  
 (C24) Total local content R 0  
 (C25) Average local content % of tender

Signature of tenderer from Annex B

Date: \_\_\_\_\_



# Annex C

(C1) Tender No. **LDPWRI-B/20285**  
 (C2) Tender description: **CONSTRUCTION OF NEW CANTEEN, KITCHEN, ELECTRICAL INSTALLATION, MECHANICAL INSTALLATION, CIVIL AND STRUCTURAL WORKS AND EXTERNAL WORKS**  
 (C3) Designated product(s)  
 (C4) Tender Authority: **LIMPOPO TRAFFIC TRAINING COLLEGE**  
 (C5) Tendering Entity name: **Pula**  
 (C6) Tender Exchange Rate:  
 (C7) Specified local content %

EU  GBP

Note: VAT to be excluded from all calculations

Tender item no's	List of items	Calculation of local content				Local content % (per item)
		Tender price - each (excl VAT)	Exempted imported value	Tender value net of exempted imported content	Imported value	
		(C10)	(C11)	(C12)	(C13)	(C15)
(C8)						
3/91	12mm External diameter x 2,0mm rods					
4/91	Extra over for rounded closed end					
5/91	50 x 70 x 5mm Thick plate section fixing plate					
6/91	M6 expansion anchor with bolt					
7/91	2000 x 1800mm Mesh wire screen					
8/91	1500 x 1800mm Mesh wire screen					
9/91	Frame for door 762 x 2032mm high					
10/91	Frame for door 914 x 2032mm high					
11/92	Frame for door 813 x 2032mm high					
12/92	Frame for door 813 x 2032mm high					
13/92	Frame for door 914 x 2032mm high					
14/92	Frame for door 813 x 2032mm high					

Tender summary				
Unit	Tender Qty	Total tender value	Total exempted imported content	Total Imported content
	(C16)	(C17)	(C18)	(C19)
m	1 460			
No	16			
No	146			
No	584			
No	1			
No	2			
No	9			
No	4			
No	2			
No	7			
No	1			
No	1			

(C20) Total tender value R 0  
 (C21) Total Exempt imported content R 0  
 (C22) Total Tender value net of exempt imported content R 0  
 (C23) Total Imported content R 0  
 (C24) Total local content R 0  
 (C25) Average local content % of tender R 0

Signature of tenderer from Annex B

Date:

Annex C

Note: VAT to be excluded from all calculations

(C1) Tender No. LDPWRI-9/20285  
 (C2) Tender description: CONSTRUCTION OF NEW CANTEEN, KITCHEN, ELECTRICAL INSTALLATION, MECHANICAL INSTALLATION, CIVIL AND STRUCTURAL WORKS AND EXTERNAL WORKS  
 (C3) Designated product(s)  
 (C4) Tender Authority: LUMPOPO TRAFFIC TRAINING COLLEGE  
 (C5) Tendering Entity name: Pula  
 (C6) Tender Exchange Rate: EU GBP  
 (C7) Specified local content %

Tender item no's	List of items	Calculation of local content				Tender summary						
		Tender price - each (excl VAT) (C10)	Exempted imported value (C11)	Tender value net of exempted imported content (C12)	Imported value (C13)	Local value (C14)	Local content % (per item) (C15)	Unit	Tender Qty	Total tender value (C17)	Total exempted imported content (C18)	Total Imported content (C19)
(C8)												
15/92	Frame for door 914 x 2032mm high								No	1		
1/102	254 x 254 x 73mm x 72.9kg/m l-section columns								t	7.51		
2/102	254 x 254 x 167mm x 72.9kg/m l-section columns								t	11.28		
3/102	100 x 100 x 3mm x 8.89kg/m hollow-section columns								t	2.46		
4/102	20mm Diameter holding down bolt approximately								No	44		
5/102	double pitched steel roof structure with two hipped								No	1		
6/102	double pitched steel roof structure with two hipped								No	1		
7/102	Sisalation 420 heavy industrial grade aluminium foil								m2	638		
21/114	"Cobra Ref. 231/350" Angle regulating valve								No	29		
22/114	Cobra Ref 1111-15 CP "Stella" pillar tap								No	16		
23/115	Stella one-hole basin mixer (Code: 3294ST/N)								No	4.00		
24/115	Cobra Watertech 15mm chrome plated elbow action								No	2.00		
25/115	Cobra watertech 15mm wall type sink mixer with								No	1.00		

(C20) Total tender value R 0  
 (C21) Total Exempt imported content R 0  
 (C22) Total Tender value net of exempt imported content R 0  
 (C23) Total imported content R 0  
 (C24) Total local content R 0  
 (C25) Average local content % of tender

Signature of tenderer from Annex B

Date:

# Annex C

(C1) LDPMRI-B/20285  
 CONSTRUCTION OF NEW CANTEN, KITCHEN, ELECTRICAL INSTALLATION, MECHANICAL INSTALLATION, CIVIL AND STRUCTURAL WORKS AND EXTERNAL WORKS

(C2) LIMPOPO TRAFFIC TRAINING COLLEGE  
 Pula  EU  GBP

(C3) Designated product(s)  
 (C4) Tendering Authority:  
 (C5) Tendering Entity name:  
 (C6) Tender Exchange Rate:  
 (C7) Specified local content %

Note: VAT to be excluded from all calculations

Tender item no's	List of items	Tender price - each (excl VAT)	Calculation of local content				Local content % (per item)
			Exempted imported value	Tender value net of exempted imported content	Imported value	Local value	
(C8)	(C9)	(C10)	(C11)	(C12)	(C13)	(C14)	(C15)
26/115	Cobra Watertech 20mm wall type bibtap type 206-20						
27/115	15mm 181/020/070CP shower mixer						
28/115	15mm 078CP shower rose						
29/115	15mm 027CP overhead shower arm						
30/115	"Cobra watertech" stella 15mm chrome plated pillar						
31/115	22mm Stopcock						
32/115	22mm Fullway gate valve						
33/115	22mm Non-return valve						
34/115	15mm 1050RB in-line strainer						
35/115	PA3-132 "Masterflo 1" pressure control valve with vacuum breaker						

Unit	Tender Qty	Total tender value	Tender summary	
			Total exempted imported content	Total imported content
(C16)	(C17)	(C18)	(C19)	(C19)
No	1,00			
No	2,00			
No	2,00			
No	2,00			
No	2,00			
No	1			
No	1			
No	1			
No	1			
No	1			

(C20) Total tender value R 0  
 (C21) Total Exempt imported content R 0  
 (C22) Total Tender value net of exempt imported content R 0  
 (C23) Total imported content R 0  
 (C24) Total local content R 0  
 (C25) Average local content % of tender

Signature of tenderer from Annex B

Date: \_\_\_\_\_

# Annex C

(C1) Tender No. LDPWRI-B/20285

(C2) Tender description: CONSTRUCTION OF NEW CANTEEN, KITCHEN, ELECTRICAL INSTALLATION, MECHANICAL INSTALLATION, CIVIL AND STRUCTURAL WORKS AND EXTERNAL WORKS

(C3) Designated product(s)

(C4) Tender Authority:

(C5) Tendering Entity name: LIMPOPO TRAFFIC TRAINING COLLEGE

(C6) Tender Exchange Rate: Pula

(C7) Specified local content %

EU  GBP

Note: VAT to be excluded from all calculations

Tender item no's	List of items	Calculation of local content					Local content % (per item)
		Tender price - each (excl VAT)	Exempted imported value	Tender value net of exempted imported content	Imported value	Local value	
		(C10)	(C11)	(C12)	(C13)	(C14)	(C15)
(C8)							
44/116	300 x 300 x 50mm Precast concrete inspection eye marker slab set in ground						
45/116	100mm Cast Iron "ABC" cleaning eye						
46/116	Type 3B cast iron valve box						
55/116	600 x 650mm x 74kg Type 8A cast iron double seal						
16/137	150mm Brick Reinforcement						
22/137	12mm Diameter high tensile bars						
23/137	10mm Diameter high tensile bars						
25/137	1,93kg/m <sup>3</sup> mesh reinforcement						
30/138	Roof covering						
31/138	100 x 100 x 3mm x 8.8kg/m Hollow section columns						

(C20)

Signature of tenderer from Annex B

Date:

Tender summary				
Unit	Tender Qty	Total tender value	Total exempted imported content	Total imported content
	(C16)	(C17)	(C18)	(C19)
No	4			
No	6			
No	6			
No	6			
m	1 524			
t	3,5			
t	4,02			
m <sup>2</sup>	396,00			
m <sup>2</sup>	505			
m	427,20			
Total tender value		R 0		
(C21) Total Exempt imported content		R 0		
(C22) Total Tender value net of exempt imported content		R 0		
(C23) Total imported content				R 0
(C24) Total local content				R 0
(C25) Average local content % of tender				

# Annex C

(C1) Tender No. LDPWRI-B/20285

(C2) Tender description: CONSTRUCTION OF NEW CANTEEN, KITCHEN, ELECTRICAL INSTALLATION, MECHANICAL INSTALLATION, CIVIL AND STRUCTURAL WORKS AND EXTERNAL WORKS

(C3) Designated product(s)

(C4) Tender Authority:

(C5) Tendering Entity name:

(C6) Tender Exchange Rate:

(C7) Specified local content %

LIMPOPO TRAFFIC TRAINING COLLEGE

Pula

EU

GBP

Note: VAT to be excluded from all calculations

Tender item no's	List of items	Calculation of local content					Tender summary					
		Tender price - each (excl VAT)	Exempted imported value	Tender value net of exempted imported content	Imported value	Local value	Local content % (per item)	Unit	Tender Qty	Total tender value	Total exempted imported content	Total Imported content
(C8)	(C9)	(C10)	(C11)	(C12)	(C13)	(C14)	(C15)		(C16)	(C17)	(C18)	(C19)
32/139	100 x 100 x 3mm x 8.8kg/m Hollow section beam								m	178		
33/139	100 x 50 x 20 x 2.5mm Cold rolled lipped channel								m	594		
34/139	25 x 50mm MS square sections								m	2 772		
31/145	Roof covering								m <sup>2</sup>	576		
32/145	150mm Diameter x 3mm x 8.9kg/m Hollow section								t	5,76		
20/152	8mm mild steel diameter bars								t	1,09		
21/152	12mm Diameter high tensile bars								t	2,03		
22/152	16mm Diameter high tensile bars								t	1,89		
24/152	150mm Brick Reinforcement								m	66		
27/153	150mm Brick Reinforcement								m	33		

Signature of tenderer from Annex B

Date:

(C20) Total tender value R 0  
 (C21) Total Exempt imported content R 0  
 (C22) Total Tender value net of exempt imported content R 0  
 (C23) Total Imported content R 0  
 (C24) Total local content R 0  
 (C25) Average local content % of tender

### Annex C

(C1) Tender No. LDPWRI-B/20285  
 (C2) Tender description: CONSTRUCTION OF NEW CANTEEN, KITCHEN, ELECTRICAL INSTALLATION, MECHANICAL INSTALLATION, CIVIL AND STRUCTURAL WORKS AND EXTERNAL WORKS  
 (C3) Designated product(s)  
 (C4) Tender Authority: LIMPOPO TRAFFIC TRAINING COLLEGE  
 (C5) Tendering Entity name: Pula  
 (C6) Tender Exchange Rate: EU  GBP   
 (C7) Specified local content %

Note: VAT to be excluded from all calculations

Tender item no's	List of items	Tender price - each (excl VAT)	Calculation of local content				Local content % (per item)	Unit	Tender summary		
			Exempted imported value	Tender value net of exempted imported content	Imported value	Local value			Tender Qty	Total tender value	Total exempted imported content
		(C10)	(C11)	(C12)	(C13)	(C14)		(C16)	(C17)	(C18)	(C19)
30/153	Roof covering						m <sup>2</sup>	45			
31/153	254 x 146 x 31.1mm x 31.30kg/m Hollow section						m	26,16			
32/153	75 x 50 x 20 x 2.00 x 3.14kg/m Cold rolled lipped						m	35,00			

(C20) Total tender value R 0  
 (C21) Total Exempt imported content R 0  
 (C22) Total Tender value net of exempt imported content R 0  
 (C23) Total imported content R 0  
 (C24) Total local content R 0  
 (C25) Average local content % of tender

Signature of tenderer from Annex B

Date: \_\_\_\_\_

Annex D

Imported Content Declaration - Supporting Schedule to Annex C

(D1) Tender No. \_\_\_\_\_  
 (D2) Tender description: \_\_\_\_\_  
 (D3) Designated Products: \_\_\_\_\_  
 (D4) Tender Authority: \_\_\_\_\_  
 (D5) Tendering Entity name: \_\_\_\_\_  
 (D6) Tender Exchange Rate: \_\_\_\_\_

EU R 9,00 GBP R 12,00

Notes: VAT to be excluded from all calculations

**A. Exempted imported content**

Tender item no's	Description of imported content	Local supplier	Overseas Supplier	Calculation of imported content				Total landed cost excl VAT	Exempted imported value
				Foreign currency value as per Commercial Invoice (D11)	Tender Exchange Rate (D12)	Local value of imports (D13)	Freight costs to port of entry (D14)		
(D7)	(D8)	(D9)	(D10)	(D11)	(D12)	(D13)	(D14)	(D15)	(D16)
(D19) Total exempt imported value R 0									

This total must correspond with Annex C - C21

**B. Imported directly by the Tenderer**

Tender item no's	Description of imported content	Unit of measure	Overseas Supplier	Calculation of imported content				Total landed cost excl VAT	Total imported value
				Foreign currency value as per Commercial Invoice (D24)	Tender Rate of Exchange (D25)	Local value of imports (D26)	Freight costs to port of entry (D27)		
(D20)	(D21)	(D22)	(D23)	(D24)	(D25)	(D26)	(D27)	(D28)	(D29)
(D32) Total imported value by tenderer R 0									

**C. Imported by a 3rd party and supplied to the Tenderer**

Description of imported content	Unit of measure	Local supplier	Overseas Supplier	Calculation of imported content				Total landed cost excl VAT	Total imported value by 3rd party
				Foreign currency value as per Commercial Invoice (D37)	Tender Rate of Exchange (D38)	Local value of imports (D39)	Freight costs to port of entry (D40)		
(D33)	(D34)	(D35)	(D36)	(D37)	(D38)	(D39)	(D40)	(D41)	(D42)
(D45) Total imported value by 3rd party R 0									

**D. Other foreign currency payments**

Type of payment	Local supplier making the payment		Overseas beneficiary		Foreign currency value paid		Tender Rate of Exchange (D50)	Local value of payments (D51)
	(D46)	(D47)	(D48)	(D49)	(D49)	(D49)		
(D52) Total of foreign currency payments declared by tenderer and/or 3rd party R 0								
(D53) Total of imported content & foreign currency payments - (D32), (D45) & (D52) above R 0								

This total must correspond with Annex C - C23

Signature of tenderer from Annex B \_\_\_\_\_  
 Date: \_\_\_\_\_

# Annex E

## Local Content Declaration - Supporting Schedule to Annex C

Note: VAT to be excluded from all calculations

Tender No.	
Tender description:	
Designated products:	
Tender Authority:	
Tendering Entity name:	

(E1)  
(E2)  
(E3)  
(E4)  
(E5)

Local Products (Goods, Services and Works)	Description of items purchased	Local suppliers	Value
	(E6)	(E7)	(E8)
(E9) Total local products (Goods, Services and Works)			R 0

(E10) Manpower costs (Tenderer's manpower cost) R 0

(E11) Factory overheads (Rental, depreciation & amortisation, utility costs, consumables etc.) R 0

(E12) Administration overheads and make-up (Marketing, insurance, financing, interest etc.) R 0

(E13) Total local content R 0  
This total must correspond with Annex C C24

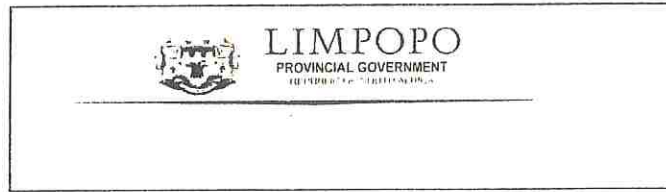
Signature of tenderer from Annex B

Date: \_\_\_\_\_



CONSTRUCTION OF NEW KITCHEN AND CANTEEN AT THE LIMPOPO TRAFFIC TRAINING COLLEGE IN THE VHEMBE DISTRICT FOR THE LIMPOPO DEPARTMENT OF TRANSPORT AND COMMUNITY SAFETY

CONTRACT No. LDPWRI-B/20285



## DECLARATION OF SUB-CONTRACTING ARRANGEMENTS

## DECLARATION OF SUBCONTRACTING ARRANGEMENTS

The Limpopo Department of Public Works, Roads & Infrastructure is tasked with achieving government socio-economic transformation and development initiatives through its procurement spend. The department therefore endeavours to promote such initiatives through its procurement, by means of one or a combination of the following, in terms of the Preferential Procurement Policy Framework Act (PPPFA), 2000: Preferential Procurement Regulations (PPR), 2017:

1. Application of Subcontracting as a Condition of Tender, in line with the PPPFA: PPR 2017;
  - 1.1 The basis and conditions for sub-contracting as a condition of tender, is further detailed under item 1.1 below.

The Tenderer if successful in this bid offer, will be required to provide the Signed Subcontracting Agreement(s) and Supporting Documents, in line with the information detailed in this Returnable within 60 calendar days of the site handover. Failure to adhere to this will result in the immediate cancellation of the acceptance of offer (appointment letter).

### Additional information to subcontracting requirement in terms of Regulations 4 or 9 PPR 2017:

- i. It is the responsibility of the tenderer to select competent subcontractors that meet all the requirements of the tender. The fact that the Department/Employer may make a list of potential subcontractors available as registered on the National Treasury CSD or on a CIDB database does not result in any liability of the Department/Employer or a warranty that the listed suppliers are competent.
- ii. Subcontractors may not be allocated work which contradicts any regulations, regulatory body and/or compliance requirements relevant to the work being sub-contracted for i.e. requirements by CIDB Regulations, accreditations and registrations to professional / regulatory institutions in the case of professional services etc.
- iii. The tenderer will be responsible for all due diligence on the selected subcontractors and will be held liable for any non-performance.
- iv. With reference to the **Preferential Procurement Regulations 2017, Regulation 6(5), 7(5) and 12(3)**; "A person awarded a contract may not subcontract more than 25% of the value of the contract to any other enterprise, that does not have an equal or higher B-BBEE status level of contributor than the person concerned."
  - "Unless the contract is subcontracted to an EME that has the capability and ability to execute the subcontract".
  - Or the tenderer may not be awarded points for B-BBEE status level of contribution.
- v. Tenderers are to complete and submit a Schedule of Proposed Subcontracting Arrangement(s)), also stipulating the percentage and equivalent Rand value to be subcontracted.
- vi. Tenderers are to provide, on award within 60 calendar days of the site handover, formal proof of Signed Subcontracting Agreement(s) together with the following documentation for each of the relevant, as a minimum:

<b>Supporting Documents to Subcontracting Agreement/s</b>
Certified Copy of valid B-BBEE Certificate/ Affidavit.

Copy of valid/ active CIDB registration in the case of construction work.
Copy of valid/ active registration to applicable regulatory institutions (where stipulated) in the case of professional services work.
A valid and active Tax Compliance Status Pin issued by SARS.
Submission of National Treasury Central Supplier Database (CSD) Summary Report.

**Note:** It is incumbent and expected that the Tenderer will apply the same due care and diligence in selecting and managing its sub-contractors / joint venture partner as would have been the case in their own appointment.

## 1. SUBCONTRACTING AS A CONDITION OF TENDER

<b>In line with the Preferential Procurement Policy Regulations 2017, Regulation 9, Subcontracting may only be to one or a combination of the following (as per National Treasury CSD and CIDB databases):</b>	
NO.	CATEGORIES FOR SUBCONTRACTING
1	A tenderer subcontracting a minimum of 30% of the value of the contract to one or a combination of the designated categories below:
1.1	An EME or QSE which is at least 51% owned by black people; or
1.2	an EME or QSE which is at least 51% owned by black people who are youth; or
1.3	an EME or QSE which is at least owned by black people who are women; or
1.4	an EME or QSE which is at least 51% owned by black people with disabilities; or
1.5	an EME or QSE which is 51% owned by black people living in rural or underdeveloped areas or townships; or
1.6	a cooperative which is at least 51% owned by black people; or
1.7	an EME or QSE which is at least 51% owned by black people who are military veterans; or
1.8	an EME or QSE.

**Tenderers are formally required to allow for subcontracting of the allocated work as set out in the Scope of 30% of the Tender Value offered.**

**1.1 BASIS AND CONDITIONS FOR SUBCONTRACTING AS A CONDITION OF TENDER** The basis and conditions for sub-contracting as a condition of tender is detailed as follow:

**1.1.1** The advancement of certain designated groups in terms of Regulation 4 PPR 2017;

**1.1.2** The advancement of suppliers or enterprises in the geographical area or Province where the project site is located;

**1.1.3** All requirements stipulated under clauses 1 and 1.1 of this Returnable, must be read in conjunction with the information documented within this Declaration on **Item 3 – Schedule of Proposed Subcontracting Work.**

## 2. SUBCONTRACTING AFTER AWARD OF TENDER

**In line with the Preferential Procurement Policy Regulations 2017, Regulation 12, Subcontracting after Award, the following are contractual obligations for notification:**

- 2.1 A person awarded a contract may only enter into a subcontracting arrangement with the approval of the organ of state.
- 2.2 A person awarded a contract in relation to a designated sector, may not subcontract in such a manner that the local production and content of the overall value of the contract is reduced to below the stipulated minimum threshold.
- 2.3 A person awarded a contract may not subcontract more than 25% of the value of the contract to any other enterprise that does not have an equal or higher B-BBEE status level of contributor than the person concerned, unless the contract is subcontracted to an EME that has the capability and ability to execute the subcontract.

CONTRACT No. LDPWRI-B/20285

**3. SCHEDULE OF PROPOSED SUBCONTRACTING WORK**

The tenderer is required to complete the table below indicating the nature and extent of work to be subcontracted and value and percentage of work to the tender amount. The total percentage of the value of work to be subcontracted must be to a minimum of 30% or more of the tender amount. Failure to comply with the 30% minimum value of the work to be subcontracted will lead to the disqualification of the tender.

	<b>NATURE AND EXTENT OF WORK</b>	<b>SUB-CONTRACTORS CONTRACT VALUE</b>	<b>SUB-CONTRACTORS PERCENTAGE (%) OF CONTRACT VALUE</b>
1.			
2.			
3.			
4.			
5.			
<b>TOTAL SUBCONTRACT VALUE &amp; PERCENTAGE IN RELATION TO CONTRACT VALUE</b>			

I, THE UNDERSIGNED (*FULL NAME OF AUTHORISED PERSON*)

ON BEHALF OF (*FULL NAME OF TENDERING ENTITY*)

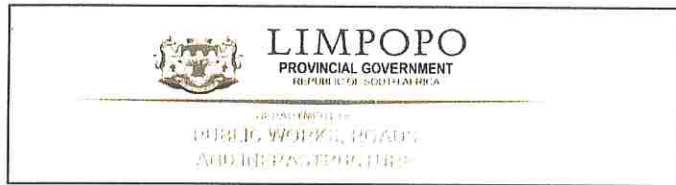
FORMALLY CONFIRM THAT THIS TENDER SUBMISSION IS FULLY COMPLIANT AND ADHERES IN FULL, TO ALL THE REQUIREMENTS STIPULATED IN THIS BID IN ITS ENTIRITY.

I ACCEPT THAT, FAILURE TO COMPLETE AND SUBMIT THIS DECLARATION ON SUBCONTRACTING ARRANGEMENTS AND SCHEDULE OF PROPOSED SUBCONTRACTING WORK WILL RESULT IN THE DISQUALIFICATION OF MY TENDER SUBMISSION.

I ACCEPT THAT, FAILURE TO SUBMIT THE SIGNED SUBCONTRACTING AGREEMENTS AND ITS SUPPORTING DOCUMENTS ON AWARD, IN ACCORDANCE WITH THE REQUIREMENTS OF THE BID, WILL LEAD TO THE CANCELLATION OF THE CONTRACT.

SIGNATURE: \_\_\_\_\_

DATE: \_\_\_\_\_



## EVALUATION: FUNCTIONALITY CRITERIA

CONTRACT No. LDPWRI-B/20285

**a. Functionality – A bidder must obtain a minimum of 70% under functionality to qualify for final evaluation.**

Responsive bids will be evaluated using a point system which awards on the basis set out in the table below:

TENDER EVALUATION CRITERIA FOR QUALITY	WEIGHTING
<p><b>SIZE OF ENTERPRISE AND CURRENT WORKLOAD OF BIDDER</b></p> <ul style="list-style-type: none"> <li>• Capacity to execute the contract (with reference to current projects)                             <ul style="list-style-type: none"> <li>○ Current value is equal or greater than twice the maximum value of the required CIDB grade = 0</li> <li>○ Current value is greater than the maximum value of the required CIDB grade but less than twice the maximum value of the required CIDB grade = 8</li> <li>○ Current value is within the required CIDB threshold = 12</li> <li>○ Current value is less than the minimum value of the required CIDB grade = 20</li> </ul> </li> </ul> <p>Current value refers to current value of projects for both General Building (GB) and Civil Engineering (CE).</p> <p>Please list the current projects which your company is busy executing in the table below.</p> <p><i>NB: Completion of this table is mandatory for points to be allocated. (NB Do not refer to any attachment). If no projects at the moment the tender must indicate/write on this table (NB Misrepresentation of facts will render your bid non-responsive).</i></p> <p><b>Table 1 List of current projects executed by the bidder</b></p> <ol style="list-style-type: none"> <li>1. Do you have the current projects being executed Yes/No?</li> <li>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.</li> </ol>	<p><b>20</b></p>





**PROFILE OF KEY STAFF (CVs and certified copies of qualifications must be attached for points to be allocated, and this must be linked to the company's organogram).**

**NB: Completion of this table is mandatory for points to be allocated (Do not refer to any attachment).**

**Project's Supervisor.**

- **Qualification**
  - Degree in built environment =5
  - National Diploma in built environment =3
  - Certificate in built environment =1
- **Experience**
  - 5yrs experience or more = 5
  - 2<5yrs Experience =3
  - 1≤2yrs experience =1

**Construction Manager**

- **Qualification**
  - Degree in built environment =5
  - National Diploma in built environment =3
  - Certificate in built environment =1

• **Experience**

- 5yrs experience or more = 5
- 2<5yrs Experience =3
- 1≤2yrs experience =1

**Site Safety Officer**

Legal appointment for a Site Safety Officer appointed in terms of the Occupational, Health and Safety Act (OHS Act) and his/her CV and qualifications.

- **Registration with the council**
  - Registration with professional council in built environment=5
  - None registration with the council=0

**Experience (registration or not)**

- 5yrs experience or more=5
- 2<5yrs experience=3
- 1<2yrs experience=1

**Details of key staff.**

Name	Position	Qualifications	Professional Registration (if any)	Previous Project Experience	Role in this project	Indicate whether Full time/Part time on this project

**PREVIOUS EXPERIENCE**

**Relevant Experience in Similar Projects completed on time (in the last 10 years) and include the following:**

- Similar Projects = 5 to 20
- If Project(s) value is greater than 1,5 times the maximum value of the required CIDB grade = 20
- If Project(s) value is greater than the maximum value of the required CIDB grade but less than 1,5 times the maximum value of the required CIDB grade = 15
- If Project(s) value is twice the minimum value of the required CIDB threshold and completed on time = 10
- If Project(s) value is equal to or greater than the minimum value of the required CIDB grading and less than twice the minimum value of the required CIDB grade = 5
- If Projects value is less than the required CIDB grade = 0
- If Projects value is for unrelated project (s) = 0

**NB:** Completion of this table is mandatory for points to be allocated (NB Do not refer to any attachment). Site Handover Certificate, Practical completion certificate and approved extension of time award letters (if any) must be attached as proof of completion on time for full points to be allocated

**Details of projects completed in the last 10 years**

Project Description (include type of works- GB, CE, etc.)	Project Value	Completion Certificate attached (Yes/No)	Client Name	Contact Person (Tel)


**PROPOSAL AND METHODOLOGY**

- Project Proposal/Approach = 10
- Project Schedule/programme Gantt Chart(Acceptable Scheduling Software) = 5
- Cash-flow Projections = 5

20

**SAFETY, HEALTH AND ENVIRONMENTAL POLICY (SHEQ)**

- Bidder has submitted no information or inadequate information to determine scoring level=0
- The bidder has misunderstood certain aspects of the scope of work and does not address safety and health issues related to the works – i.e. there is no cognisance to the safety of the learners, teachers and workers and the impact of their work on the environment=5
- The safety, health and environment approach provided deal with the critical aspects of the project, such as demolishing, refurbishment and risk associated with the works. Cognisance is taken dealing with safety of the workers, learners and teachers when conducting their works such as barricading of the area, conducting safety talk with the affected parties=10

10

**TOTAL**

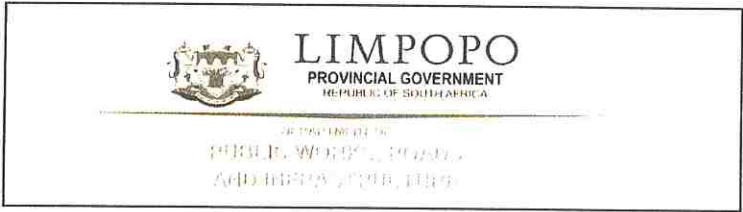
**100**

**N.B To qualify for final evaluation on all infrastructure projects, the bidder must obtain a minimum score of 70% on functionality.**

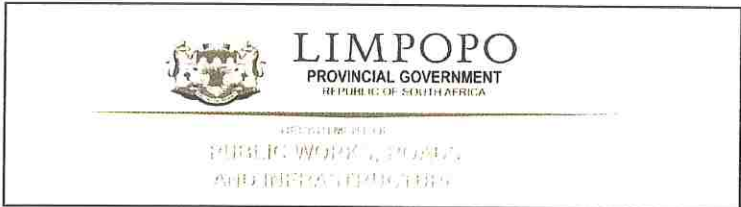
4.1.3

NOTE: In order for the Tenderer to claim points for Experience under Functionality, the Tenderer must also attach the following proof for each of the completed projects to Form T2.1:

- Copy of Appointment Letter for current and completed projects, and
- Copy of Completion Certificate for completed projects.

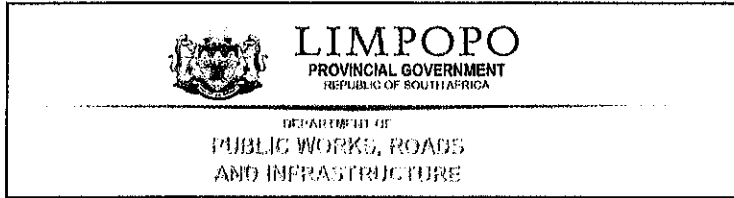


# THE CONTRACT



# 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:

**CONSTRUCTION OF NEW KITCHEN AND CANTEEN AT THE LIMPOPO TRAFFIC TRAINING COLLEGE IN THE VHEMBE 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 .....  
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2 Subject .....  
Details .....  
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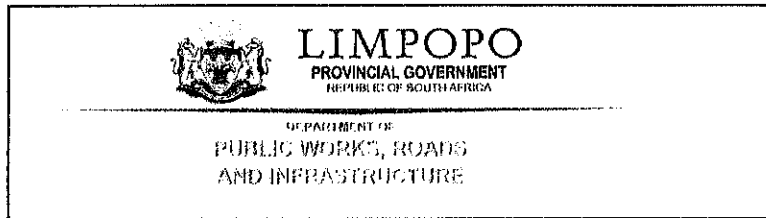
3 Subject .....  
Details .....  
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4 Subject .....  
Details .....  
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By the duly authorised representatives signing this agreement, the *Employer* and the Tenderer agree to and accept the foregoing 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.**"

**SAFCEC JOINT VENTURE AGREEMENT**

JOINT VENTURE AGREEMENT made and entered into by and between:

..... of  
..... (hereafter referred to as .....) )

of the first part;

and

..... of  
..... (hereafter referred to as .....) )

of the second part;

**PREAMBLE**

WHEREAS the Parties have formed a Joint Venture in order to submit tenders to the  
..... for the construction  
of  
.....  
(hereafter referred to as the "works").

NOW THEREFORE, IT IS AGREED AS FOLLOWS:

1. FORMATION OF JOINT VENTURE

1.1 The Parties hereby associate themselves into and as a Joint Venture in accordance with the provisions of this Agreement under the style or firm name of ..... JOINT VENTURE.

1.2 The Parties hereto agree and undertake that they will not disclose the contents of this Agreement to persons with whom they may have any dealings directly or indirectly arising from the conclusion of this Agreement and the operation and establishment of the Works.

1.3 Notwithstanding that the parties may be jointly and severally bound to the

....., should the Joint Venture be awarded the contract by the

..... for the construction of the Works, nothing herein contained shall be interpreted as giving rise to a general partnership between the parties or limiting the rights or powers of either party to carry on its separate business for its sole benefit.

2. OBJECT AND MOTIVATION

The sole object for which this Joint Venture is established and the sole business of the Joint Venture is to negotiate for and conclude a contract for the execution of the Works and to carry out such Works to finality, all in accordance with the terms of this Agreement.

3. PROFITS AND LOSSES

3.1 The profits and losses of the Joint Venture shall be borne by ..... and ..... In the proportions .....% and .....% respectively (hereinafter referred to as "the Specified Proportions").

3.2 In addition to any other provisions contained in this Agreement, the functions, duties, obligations and responsibilities of ..... and ..... under this Joint Venture agreement and in the execution of the Works will be to provide all bridging finance, guarantees and resources necessary to successfully carry out the project in proportion to the specified proportions, in which proportions all profits, losses, costs, liabilities and assets and any other responsibilities, whether pecuniary or otherwise, shall be shared equally, as far as possible.

4 DURATION

The operation of this Agreement shall be deemed to have commenced on the ..... Day of ..... 200..., and shall terminate, except insofar as the provisions of Clauses 5 and 6 apply, upon the happening of any of the following events, whichever shall be earlier:

4.1 Award of the Contract by ..... for the construction of the Works to an outside party or parties, or

4.2 In the case of contract award, at the time the contract is terminated and all rights and obligations of the parties in connection with such contract and in connection with this Agreement have ceased, but in no case before the conclusion of any maintenance period in the contract and the cancellation

and/or refund of all guarantees and bonds. The Joint Venture existence shall also be deemed to continue insofar as the Joint Venture is responsible for latent defects under the contract.

5. EXCLUSIVITY

The Parties agree and undertake in favour of each other that neither of them shall, except in accordance with the intention expressed in this agreement, be associated in any manner, either directly or indirectly, with any investigation, negotiation, tender or proposal for the performance of or incidental to the execution of the Works and including any variation by way of addition or omission from the scope of the Works or the extension to the Works, nor invest in any company, enterprise or

partnership in any manner related thereto, either as previously agreed by the Management Committee in writing.

## 6. PRE-CONTRACT COSTS

6.1 All costs incurred by the Parties prior to the ..... day of ..... 200....., shall be for their own account.

6.2 Costs incurred by the Parties after the ..... day of ..... 200... and approved by the Management Committee, shall be borne by the Parties in the Specified Proportions.

## 7. MANAGEMENT COMMITTEE

7.1 The day-to-day affairs of the Joint Venture shall be under the control of a Management Committee which shall consist of one representative of each of the parties. Within the terms of this agreement and the contract, if awarded, each such member shall have full authority to bind the party and/or parties he represents in all matters relating to the affairs of the Joint Venture.

No party to this agreement may bind the other party hereto without the prior consent of such other party, nor may the Management Committee bind the Joint Venture or any party beyond the terms of this agreement or the contract without the prior written consent of both parties.

The parties hereto shall be obliged immediately upon signature of this Agreement, to appoint their representatives and the first meeting of the Management Committee will be held immediately thereafter. The parties shall be obliged at all times to maintain a representative on the Management Committee.

7.2 Each representative on the Management Committee shall be entitled to appoint, and from time to time remove and replace, an alternate who shall, at any meeting of the Management Committee at which the representative whom he represents is absent, be vested with all rights and powers and subject to all obligations of the representative whom he represents.

7.3 The Chairman at meetings of the Management Committee shall be a representative from

..... and ..... respectively on a six months rotation basis commencing with .....

7.4 Meetings of the Management Committee shall take place at such times and places as the Committee shall determine, provided that the Chairman shall be obliged to convene a meeting of the Management Committee not later than 10 days after being required to do so by any one of the parties to this agreement. Not less than five days notice of any meeting of the Management Committee shall be given to the representatives thereof and their alternates.

7.5 Decisions of the Management Committee shall be unanimous, provided that if the representatives or the alternates fail to agree on any decision, the meeting at which that decision is sought shall be adjourned for a period of 24 hours and should the representatives then not agree on the course of action to be taken the matter shall be referred to the Executive Board for a decision. The decision of such Executive Board shall be placed before a further adjourned meeting, which shall take place no later than 72 hours after the initial adjourned meeting, and shall bind the Management Committee which shall adopt such decision without variation.

7.6 Subject to 7.7 below, decisions of the Management Committee may be reached telephonically, telegraphically, by facsimile or in writing.

7.7 Decisions of the Management Committee, whether at a meeting or otherwise, shall be recorded in written minutes which shall be distributed by the Chairman, for the time being to the members of the Management Committee not later than seven days after those decisions have been taken. Such minutes shall be deemed to have been affirmed unless dissented from not later than seven days after they are deemed to have been received by the dissenter.

7.8 The Management Committee may, as it wishes, decide to increase the number of its members for or invite other parties to attend any of its meetings. Such co-opted members or observers shall not have a vote.

7.9 The Management Committee shall have the power to delegate such of its powers and duties as it may determine in the best interests of the parties.

7.10 No remuneration shall be paid by the Joint Venture to the parties' representatives on the Management Committee in their capacities as such.

7.11 The administrative function regarding the operation of the Management Committee shall be fulfilled by the Chairman.

## 8 POWERS OF THE MANAGEMENT COMMITTEE AND DIRECTION OF THE PROJECT MANAGER

The functions, responsibilities and powers of the Management Committee shall be:

8.1 To appoint the Project Manager who shall be nominated by ..... and ..... and who shall attend all meetings of the Management Committee for the implementation of its policies and act only in accordance with its directives and its established procedures. The Project Manager shall be removed in terms of 10 hereof and his successor(s) shall be nominated by ..... and ..... And approved by the Management Committee.

8.2 To formulate and dictate to the Project Manager overall policy in regard to the following:

8.2.1 The general day-to-day management of the affairs of the Joint Venture.

8.2.2 Representation of the Joint Venture in dealing with the Resident Engineer/Engineer/Client and third parties on matters affecting the Joint Venture as a whole.

8.2.3 Co-ordination of the activities of the parties.

8.2.4 Preparation by agreement with the parties and supervision of the programme of the Works.

8.2.5 Ensuring that the responsibility of each of the parties in regard to technical and contractual matters is preserved.

8.3 To make such provisions as are necessary to enable the Project Manager to perform his tasks.

8.4 To approve the balance sheets and accounts of the Joint Venture.

8.5 To approve the tender submitted by the Joint Venture and to approve or withhold approval for and amendment proposed thereto.

8.6 To approve the appointment of legal advisers and auditors where such appointments are necessary.

8.7 To determine the nature and extend of any additional duties and functions of each of the parties in relation to this Joint Venture.

8.8 To determine the terms and conditions of employment of personnel as well as emoluments seconded by the parties to the Joint Venture.

8.9 Subject to the terms and conditions of this agreement, to determine and approve:

8.9.1 The amount and type of working capital requirements of the Joint Venture.

8.9.2 All borrowings, guarantees and like obligations undertaken by the parties to the Joint Venture.

8.9.3 The insurance to be taken out by the Joint Venture.

8.9.4 The nature, method and amount of all claims.

8.9.5 When and in what amount to distribute dividends to the parties hereto, save that any decision in terms of which the Joint Venture will undertake further work outside of the original scope of the contract or any variation or amendment of this agreement of the contract, shall require the unanimous agreement of the parties before becoming effective and binding the Joint Venture.

8.9.6 The approval and appointment of all sub-contractors.

## 9 THE EXECUTIVE BOARD

9.1 The Executive Board shall consist of one representative of each of the parties who shall be the Chief Executive Officer of each Joint Venture partner or their nominated deputy but shall not be the same representative as appointed to the Management Committee in terms of Clause 7.1 hereof. The Executive Board shall be the mediation authority of the Joint Venture which shall decide on all issues which are referred to it by the Management Committee as well as on all issues where the Management Committee is not unanimous.



9.2 Decisions of the Executive Board, whether original decisions or decisions taken after referral from the Management Committee shall be implemented by the Management Committee as per Clause

9.3 Decisions of the Executive Board shall be unanimous.

9.4 Effect shall be given to a resolution arrived at unanimously.

9.5 In the event of the Executive Board not being unanimous in its decision the matter is to be referred to arbitration in terms of Clause 16 hereof.

9.6 Subject to 9.7 as read in conjunction with 7.7 and, provided that they are unanimous, decisions of the Executive Board may be reached telephonically, telegraphically or in writing. If reached telephonically or otherwise orally such decision must be confirmed in writing within 24 hours.

9.7 The Minutes of meetings of the Executive Board shall be handled mutatis mutandis in the manner per Clause 7.7.

9.8 The administrative functions regarding the operation of the Executive Board shall be fulfilled by the Chairman of the Management Committee, who shall not be entitled to a voice or a vote at Executive Board meetings.

## 10 PERSONNEL

10.1 The Project Manager shall be appointed as provided in Clause 8.1 hereof.

10.2 The person nominated to the office of Project Manager shall be subject to removal from such office by decision of the Management Committee.

10.3 All the remuneration and emoluments of employment of the Project Manager shall be an expense of and paid by the Joint Venture, provided that a party shall be entitled by notice in writing delivered to the other parties to elect that the person to be nominated by it to fill the offices of project Manger shall be seconded to the Joint Venture in which event the remuneration and emoluments which would otherwise have been paid to such persons while filling such offices shall be paid to the member responsible for their nomination or otherwise as such member shall direct and subject to such payment being duly and promptly paid to the member or its nominee, the member will hold harmless and keep indemnified the Joint Venture and the other members from all actions, proceedings, claims and demands by such persons or otherwise howsoever in respect of such remuneration and emoluments. The remuneration and emoluments to be paid and allowed by the Joint Venture to the Project Manager shall be determined from time to time by the Management Committee and borne by the parties hereto in the Specified Propositions.

10.4 The members of the Management Committee and Executive Board and their proxies and alternates a shall not be employees of the Joint Venture and shall not be entitled to claim any salary or remuneration from the Joint Venture by virtue of such appointments unless the Management Committee shall otherwise decide in writing.

10.5 ..... shall be appointed as Secretaries to the Joint Venture. Save for matters pertaining to the works and the contract, ..... Shall be consulted on all matters of an administrative and financial nature arising in connection with the business of the Joint Venture where their particular experience, knowledge, facilities and skills in matters of this nature shall be considered to be of benefit to the Joint Venture.

## 11 FINANCING

### 11.1 Working Capital

11.1.1 Banking accounts shall be opened in the name of the Joint Venture with banks and at such places as may be determined by it, and the parties shall be responsible for the payment in the Specified Properties of such sums to the credit of such baking accounts as shall from time to time be required by way or working capital for the Joint Venture.

11.1.2 Any amounts from time to time advanced by the parties to the Joint Venture in terms of this agreement shall be placed to the credit of their respective capital accounts in the Joint Venture.

11.1.3 The banking accounts referred to in sub-clause 11.1.1 hereof shall be operated, and cheques thereon shall be drawn in accordance with the instructions to the bankers in question. Withdrawals from these banking accounts shall be effected on the authority of persons nominated thereto by the Management Committee.

11.1.4 Should any party fail to make payment to the Joint Venture of any amount which it is obliged to pay in terms of sub-clause 11.1.1 hereof, after the expiry of a period of seven days from the date of notice requiring it to make such payment, the party to default shall be liable for payment of interest to the other parties on the amount so withheld at the rate of Prime Bank rate charged by Joint Venture Bankers per annum should such other parties have advanced the aforesaid sum.

11.1.5 All revenue derived by the Joint Venture from the contract shall forthwith be deposited to the credit of the banking accounts referred to in sub-Clause 1.1.1 hereof.

11.1.6 The amount for the time being standing to the credit of the Joint Venture's banking accounts shall be applied:

11.1.6.1 In discharging the obligations of the Joint Venture in accordance with their tenor; provided that the Management Committee shall be entitled to require the payment of any liability prior to its due date if such anticipated payment will result in the allowance by the creditor in question of an advantageous discount to the Joint Venture for prompt payment;

11.1.6.2 As to any surplus of funds for the time being in the said banking account, subject to the agreement of the parties as payment to the parties in the Specified Proportions or in proportion to their participation of the time being in the Joint Venture, save that any such surplus shall first be utilised for the purpose of eliminating or reducing any disproportion in the ratios of the parties respective capital accounts.

## 11.2 Capital and Advances

11.2.1 The amount of capital required by the Joint Venture to attain its object (and which includes all loans, guarantees, indemnities, reserves) shall be determined from time to time by the Management Committee, and upon being so determined shall forthwith be contributed by the parties to the Joint Venture in the Specified Proportions.

11.2.2 If at any time any party to the Joint Venture shall, due to an emergency or with the consent in writing of the other parties advance any sum of money or to incur any liability on behalf of the Joint Venture over and above its due contribution to capital, then where money has been advanced, the same shall be a debt due from the Joint Venture to the party advancing the money, and shall be repayable on thirty days' notice and shall bear interest at Prime Bank rate as charged by Joint Venture's bankers per annum from date of advance to date of payment. Where a party has incurred a contingent liability on the above basis, the other parties shall, within thirty days of being requested to do so in writing, relieve such party of its obligations thereunder to the extent that the obligations of the parties are in the Specified Proportions.

## 12. ACCOUNTS

12.1 The Joint Venture shall cause proper books of account and complete records to be kept as are customary in the Republic of South Africa relating to all the assets and liabilities of the Joint Venture and expenses incurred or income received by the Joint Venture.

Such book and records shall not be related to the affairs of the parties individually. The said books of account and records, together with all letters, papers or writings concerning or belonging to the Joint Venture shall be kept at site and such other place from time to time as determined by the Management Committee, and each of the parties to the Joint Venture shall at all times have free access and the right to inspect and copy the same.

12.2 Within thirty days of the end of every quarter during the continuance of the Joint Venture, the Joint Venture shall furnish to the Management Committee all necessary documents such as balance sheets, profit and loss accounts, bank balances and comparisons with budget and forecasts of cash flow and profits as are necessary to keep the Management Committee informed of the financial affairs of the Joint Venture. Every such profit and loss account and balance sheet shall be agreed to and signed by the members of the Management Committee on behalf of the Joint Venture members, and when so signed, shall be binding on all the parties, except that if any manifest error therein be detected and pointed out by any party to the others at any time after such signature, such error shall forthwith be rectified.

12.3 After the completion of the contract and the release of all bonds, guarantees and obligations given for the performance of the parties in the Joint Venture, the joint Venture shall procure the preparation and auditing of a final balance sheet and profit and loss account, which shall be approved by the Management Committee, and from which the final profit and loss sustained by the Joint Venture shall be ascertained, and distributed to or contributed by the parties in proportion to their participation in the Joint Venture. This clause shall not be construed as prohibiting the interim distribution of profits or contribution towards losses in the discretion of the Management Committee.

### 13. WINDING UP

Upon the determination of the Joint Venture in accordance with the provisions of this agreement, a full and general account shall be taken of the assets and liabilities of the Joint Venture and of the transactions and dealings thereof, and with all convenient speed, such assets shall be sold and realised and the proceeds applied in paying and discharging such liabilities and the expenses of and incidental to the winding-up of the Joint Venture affairs and thereafter in paying to each Joint Venture member its share of such proceeds in the Specified Proportions. The Joint Venture members respectively undertake to do all such things as may be necessary so as to give effect to the above.

### 14. BREACH

14.1 If a party ("the guilty party") shall commit a breach of any material provision of this agreement, and fail to remedy the same within a period of thirty (30) days after the receipt by it of written notice requiring it to do so, or be placed in liquidation or under judicial management, whether provisionally or finally, or propose any compromise with its creditors, the other parties ("the aggrieved parties") shall have the right, without prejudice to any of its other remedies arising from such breach, forthwith to terminate this agreement, in which event:

14.2 The guilty party's interest in the joint venture shall be taken over by the remaining parties. The aggrieved parties shall, in addition, have the right, if it so requires, to take over the capital account of the party in default.

Such capital account shall be valued on the basis of the nett assets revealed in an audited balance sheet and profit and loss account prepared as at the end of the month in which the default or other breach occurred; provided that the profit and loss account shall take into account the Joint Venture's share in the valuation of the work in progress, as shown in the Joint Venture accounts, at the date of preparation of the balance sheet and profit and loss account, after providing for any known or contemplated future losses to be incurred on the work undertaken or to be undertaken by the Joint Venture and provided further that should upon the completion of the contract or contracts, the provision for losses made in the valuation or work in progress as aforesaid prove to be incorrect, such provisions shall be adjusted. Provided the aggrieved parties have proved that the tender rates as escalated from time to time were inadequate, the guilty party shall be liable to the extent of the participation of such party for all losses incurred on the whole of the contract, including any losses incurred subsequent to the termination of the agreement in accordance with these provisions, but such party shall not be entitled to share in any profits earned subsequent to such termination.

14.3 The aggrieved parties shall have the right to recruit in its employment personnel seconded to the Joint Venture by the guilty party and, as a stipulation in favour of such personnel, the guilty party waives any claims it might otherwise have had against such personnel arising from their summary termination of their employment with the guilty party.

14.3 All plant hired by the guilty party to the Joint Venture shall remain on hire to and under the control of the aggrieved parties until the completion of the contract, or until the aggrieved parties shall release such plant from the operation of this sub-clause. Payment shall be made thereof monthly.

### 15. DISPUTES

15.1 Having regard to the high degree of good faith which must exist between the parties, the parties agree to do their utmost to ensure that the disputes between them are settled equitably and amicably and where possible without resort to arbitration.

15.2 In the event of any differences or dispute of whatever nature arising from this agreement (which shall include any failure to agree on any matter which requires the parties' agreement for the purposes of implementation of this agreement) or any other matter related thereto which cannot be settled by direct negotiation between the parties, such differences or dispute shall be referred to arbitration in terms of Clause 16 hereof.

### 16. ARBITRATION

16.1 Save as hereinafter provided, any dispute at any time between any of the parties hereto in regard to any matter arising out of this agreement or its interpretation or rectification shall be submitted to and decided by arbitration.

16.2 The arbitration referred to in 16.1 shall be held - 16.2.1 At .....

16.2.2 In a summary manner, i.e. on the basis that it shall not be necessary to observe or carry out either -

16.2.2.1 the usual formalities or procedure (e.g. there shall not be any pleadings or discovery);  
or

16.2.2.2 the strict rules of evidence.

16.2.3 Immediately and with a view to its being completed within twenty-one business days after it is demanded;

16.2.4 Otherwise (but subject to © (d) and (e) under the provisions of the Arbitration Act No. 42 of 1965 or the Republic of South Africa as amended from time to time).

16.3 The Arbitrator shall be, if the question in issue is -

16.3.1 Primarily an accounting matter, an independent accountant;

16.3.2 Primarily a legal matter, a practising Senior Counsel of not than five years standing as such;

16.3.3 Any other matter, an independent person unanimously agreed upon between the parties and failing agreement appointed by the President for the time being of the South African Federation of Civil Engineering Contractors.

16.4 If agreement cannot be reached within seven business days after the arbitration has been demanded as to whether the question in issue falls under 16.3.1, 16.3.2 or 16.3.3, then a practising Senior Counsel of not less than five years' standing as such agreed upon between the parties, and failing agreement appointed by the President for the time being of the ..... Society of Chartered Accountants as soon as possible thereafter, shall determine whether the question in issue falls under 16.3.1, 16.3.2 or 16.3.3 so that an arbitrator can be appointed and the arbitration can be held and concluded, if possible, within the prescribed period of twenty-one days.

16.5 The arbitrator shall decide the matters submitted to him according to what he considers just and equitable in the circumstances and, therefore, the strict rules of law need not be observed or be taken into account by him in arriving at his decision.

16.6 The parties irrevocably agree that the decision in those arbitration proceedings -

16.6.1 shall be binding on them;

16.6.2 shall be carried into effect;

16.6.3 can be made an order of any court of competent jurisdiction.

## 17. CONFIDENTIALITY

17.1 All matters relating to this agreement, any negotiations and the contract for the construction of the Works resulting therefrom shall be regarded by the parties hereto as being highly confidential, and shall not be disclosed without prior written consent of the management Committee to any party, person or entity who or which is not a signatory to this Agreement, except where such disclosure is necessary for the fulfilment of this Agreement.

No party shall at any time hereinafter use any technical information, save that in the public domain, acquired from the other parties hereto except for the purposes of fulfilment of the contract.

17.2 No party shall have the right to advertise, or otherwise permit, the dissemination of publicity concerning its participation in the Joint Venture unless:

17.2.1 the relevant material shall make due reference to and acknowledgement of the work of the other parties;

17.2.2 the relevant material shall, for its dissemination is within the control of the party in question, have been approved by the other parties, which approval shall not be unreasonably withheld.

## 18. ASSIGNMENT

18.1 No party shall cede, assign or in any other way make over any of its rights or obligations under this agreement without the written consent of the other parties except insofar as such assignment or alienation is to any wholly-owned subsidiary company of that party.

18.2 In the event of such assignment or alienation taking place, the initial party shall jointly and severally and in solidum guarantee the obligations of the assignee towards the remaining parties.

0080

19 GENERAL

19.1 No party shall have a claim against the other parties arising out of a failure to secure the contract, except insofar as the parties are liable to bear the joint venture expenses in the Specified Proportions.

19.2 Any changes and supplementary provisions concerning this agreement shall require the written approval of all the parties hereto.

19.3 Variations not effective unless in writing

No variation, modification or waiver of any provision of this agreement, or consent to any departure therefrom, shall in any event be of any force or effect unless unanimous and confirmed in writing and signed by the parties; then such variation, modification, waiver or consent shall be effective only in the specific instance and for the purpose and to the extent for which made or given.

19.4 Additions to the Joint Venture

No additional parties shall be admitted to the Joint Venture unless the parties to this agreement unanimously agree and subject to the Conditions of Contract for the Works. All sub-contractors must be approved by the Management Committee in accordance with procedures to be established by the said Committee.

19.5 Company formation

Should the parties at any time unanimously agree to form a company to take over the interest of the Joint Venture in the contract and the assets of the joint Venture, the parties undertake to enter into a Shareholders Agreement embodying insofar as it is reasonably possible and practicable the terms hereof and, in addition, including therein a provision affording each party a right of pre-emption to any shares in the company which the other may from time to time wish to dispose of. For the Works the formation of a company shall be subject to the General Conditions of Contract for the Works.

19.6 Domicilium

19.6.1 The parties hereto respectively choose domicilium citandi et executandi for all purposes of and in connection with this agreement as follows:

.....  
.....  
.....  
.....

19.6.2 The parties hereto shall be entitled to change their domicilium from time to time, and any such change shall only be effective upon receipt of notice in writing by the other parties of such change.

19.6.3 All payments to be made pursuant to this agreement, and all notices, demands or communications intended for any party, shall be made or given at such party's domicilium for the time being, and if forwarded by prepaid registered post, shall be deemed to have been made or given seven days after the date of posting unless proved to the contrary.

19.7 Currency

All amounts referred to in this agreement and all monies payable to or by the parties to the Joint Venture in connection with the Joint Venture shall be both calculated and paid in currencies from time to time and at places to be agreed by the Management Committee.

19.8 Governing Law

This agreement shall be construed in accordance with and governed by the laws of Republic of South Africa. The English language version of this agreement shall prevail.

19.9 All correspondence between the parties in regard to this agreement and the contract shall be in the English language.

19.10 Each party shall bear its own costs incurred in the preparation and negotiation of this agreement.

19.11 This agreement over-rides any previous agreement or arrangements concluded between the parties in regard to the works and contract. Notwithstanding the provisions of Clause 19 hereof, the parties agree that any variations to the provision of this agreement and any decisions in terms of which this Joint Venture will undertake further work outside the original scope of the contract referred to earlier, shall require the unanimous agreement of the parties before becoming effective and binding on the parties.

19.12 In the interpretation of this agreement, works in the singular shall include the plural and vice versa as the context may require. The headings to clauses shall not be considered part thereof nor shall the words which they contain be taken into account in the interpretation of any clause.

THUS DONE AND SIGNED AT ..... THIS .....DAY OF  
..... 20....

For and behalf of:  
.....

AS WITNESS:

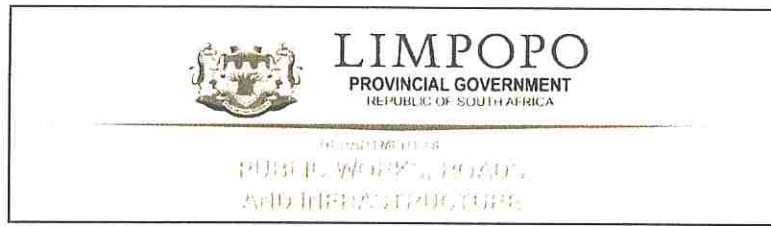
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THUS DONE AND SIGNED AT ..... THIS .....DAY OF  
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For and behalf of:  
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AS WITNESS:

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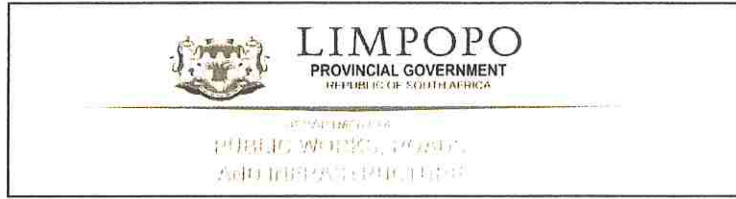


## **PART C2: PRICING DATA**

## **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**

**BILLS OF QUANTITIES**  
**CONSTRUCTION OF NEW KITCHEN AND CANTEEN**  
**LIMPOPO TRAFFIC TRAINING COLLEGE**  
**LDPWRI-B/20285**

Item No		Quantity	Rate	Amount
	<b><u>SECTION NO. 1</u></b>			
	<b><u>BILL NO. 1</u></b>			
	<b><u>PRELIMINARIES</u></b>			
	All prices/rates to be net, excluding Value Added Tax			
	<b><u>General</u></b>			
	i) The agreement is to be the JBCC Series 2000 Principal Building Agreement (Edition 5.0) prepared by the Joint Building Contracts Committee, July 2007			
	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			
	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			
	iv) Where standard clauses or alternatives are not entirely applicable to this contract such modifications, corrections or supplements as will apply are given under each relevant clause heading			
	v) Where any item is not relevant to this specific contract such item is marked N/A (signifying "not applicable")			
	<b>Carried to Collection</b>		R	
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vi) If Alternative A as set out in clause B10.3 hereinafter is to be used for the adjustment of the preliminaries each item priced is to be allocated to one or more of the three categories, where "F" denotes a fixed amount (amount not to be varied), "V" denotes an amount variable in proportion to value and "T" denotes an amount in proportion to time

**SECTION A: PRINCIPAL BUILDING AGREEMENT**

**Definitions (A1)**

1	Definitions and interpretation (clause 1)		
		Fixed	Item
		Value Related	Item
		Time Related	Item

**Objective (A2)**

2	Offer, acceptance and performance (clause 2)		
		Fixed	Item
		Value Related	Item
		Time Related	Item

**Preparation (A3-A14)**

3	Documents (clause 3)		
	<i>Clause 3.1 shall be deemed to be omitted and replaced with the following:</i>		
	<i>No payment guarantee will be provided by the employer</i>		
		Fixed	Item
		Value Related	Item

**Carried to Collection**

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		Time Related	Item	
4	Design responsibility (clause 4)			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
5	Employer's agents (clause 5)			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
6	Contractor's site representative (clause 6)			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
7	Compliance with regulations (clause 7)			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
8	Works risk (clause 8)			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
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9	Indemnities (clause 9)			
	Fixed		Item	
	Value Related		Item	
	Time Related		Item	
10	General insurances (clause 10)			
	<b>All insurances are to be taken by the Contractor</b>			
	<b>The contractor will effect and maintain motor liability insurance as well as equipment insurance on all plant in terms of the COID act no 130 of 1993</b>			
	Fixed		Item	
	Value Related		Item	
	Time Related		Item	
11	Special insurances (clause 11)			
	Fixed		Item	
	Value Related		Item	
	Time Related		Item	
12	Effecting insurance (clause 12)			
	Fixed		Item	
	Value Related		Item	
	Time Related		Item	
13	Assignment (clause 13)			
	Fixed		Item	
	Value Related		Item	
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18 Setting out of the works (clause 18)

*The contractor shall notify the principal agent if any encroachments of adjoining foundations, buildings, structures, pavements, boundaries, etc. exist in order that the necessary arrangements may be made for the rectification of any such encroachments*

*The contractor shall perform tolerance control checks regularly throughout the contract period and report on this at regular interval to the Principal Agent in the approved format. Should the contractor fail to comply with this requirement to the satisfaction of the the Principal Agent, progressively as the structure is being constructed, the Employer will commission a Registered Land Surveyor to do so on the Contractor's behalf and at the Contractor's Expense.*

Fixed Item

Value Related Item

Time Related Item

19 Temporary Works and Plant (clause 19)

Fixed Item

Value Related Item

Time Related Item

20 Nominated sub-contractors (clause 20)

Fixed Item

Value Related Item

Time Related Item

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**BILLS OF QUANTITIES**  
**CONSTRUCTION OF NEW KITCHEN AND CANTEEN**  
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21 Selected sub-contractors (clause 21)

*Notwithstanding the content of this clause, the contractor's attention is drawn to the fact that all the work provided for by means of the inclusion of provisional amounts elsewhere in these bills of quantities, is to be executed and installed in the works during the construction period by selected sub-contractors*

*The selected sub-contractors shall be chosen, as far as possible, by the principal agent together with the contractor*

Fixed

Item

Value Related

Item

Time Related

Item

22 Employer's direct contractors (clause 22)

*The Contractor shall allow the direct contractors and employers agents access to the work, allocate reasonable space in the building for storage of their materials, tools and equipment, all to the satisfaction of the Principal Agent. The contractor shall also allow the direct contractors, etc. free of charge, use of their ablution facilities and water and power supply to the and shall in no way hinder or prevent the execution of their works. Attendance may be priced against the relevant specified items in the bills of quantities.*

Fixed

Item

Value Related

Item

Time Related

Item

23 Contractor's domestic sub-contractors (Clause 23)

Fixed

Item

Value Related

Item

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		Time Related	Item		
	<b><u>Completion (A24-A30)</u></b>				
24	Practical completion (clause 24)	Fixed	Item		
		Value Related	Item		
		Time Related	Item		
25	Works completion (clause 25)	Fixed	Item		
		Value Related	Item		
		Time Related	Item		
26	Final completion (clause 26)	Fixed	Item		
		Value Related	Item		
		Time Related	Item		
27	Latent defects liability period (clause 27)	Fixed	Item		
		Value Related	Item		
		Time Related	Item		
28	Sectional completion (clause 28)	Fixed	Item		
		Value Related	Item		
		Time Related	Item		
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29 Revision of date of practical completion (clause 29)

*Clause 29.1.1 shall be deemed to be omitted and replaced by the following:*

*Inclement weather shall be defined as weather in excess of the average rainfall (volume and period) for each calendar month over the past ten (10) years as recorded by the nearest commonly recognised weather bureau in the region of the project*

*It shall be deemed that the contractor has adequately allowed in his programme and tendered rates for expenses which might result from delays due to average or below rainfall as described above*

Fixed

Item

Value Related

Item

Time Related

Item

30 Penalty for non-completion (clause 30)

The penalty per calendar day shall be calculated at 0.05% of contract sum excluding contingency allowance and CPAP

Fixed

Item

Value Related

Item

Time Related

Item

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**Payment (A31 - A35)**

31 Interim payment to the contractor (clause 31)

*Notwithstanding this or any other clause, materials and goods stored off site shall not to be included in the amount authorized for payment*

*Clause 31.6.5 shall be deemed to be deleted*

*Clause 31.9:*

*The wording "seven (7)" be replaced with "thirty (30)"*

*Cause 31.11.1:*

*The wording "one hundred and sixty per cent (160%)" be replaced with "one hundred and ten per cent (110%)"*

Fixed

Item

Value Related

Item

Time Related

Item

32 Adjustment to the contract value (clause 32)

Fixed

Item

Value Related

Item

Time Related

Item

33 Recovery of expense and loss (clause 33)

Fixed

Item

Value Related

Item

Time Related

Item

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34	Final account and final payment (clause 34)			
	Fixed		Item	
	Value Related		Item	
	Time Related		Item	
35	Payment to other parties (clause 35)			
	Fixed		Item	
	Value Related		Item	
	Time Related		Item	
	<b><u>Termination (A36-A39)</u></b>			
36	Termination by employer - contractor's default (clause 36)			
	Fixed		Item	
	Value Related		Item	
	Time Related		Item	
37	Termination by employer - loss and damage (clause 37)			
	Fixed		Item	
	Value Related		Item	
	Time Related		Item	
38	Termination by contractor - employer's default (clause 38)			
	Fixed		Item	
	Value Related		Item	
	Time Related		Item	
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39	Termination - cessation of the works (clause 39)			
	Fixed		Item	
	Value Related		Item	
	Time Related		Item	
	<b><u>Dispute (A40)</u></b>			
40	Settlement of Disputes (clause 40)			
	Fixed		Item	
	Value Related		Item	
	Time Related		Item	
	<b><u>Contract Agreement (A41)</u></b>			
41	The schedule: Pre-tender information (clause 42)			
	Fixed		Item	
	Value Related		Item	
	Time Related		Item	
	<b><u>42.1 CONTRACTING AND OTHER PARTIES</u></b>			
	<i>See "Notes to Tenderers" for all the relevant physical and postal addresses, telephone and facsimile numbers</i>			
	42.1.1 Employer:			
	<i>Limpopo Province Department of Public Works ,Roads and infrastructure</i>			
	42.1.2 Principal Agent:			
	<i>Cubic Professional Consultants</i>			
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42.1.3 Agent (1):

***The Creative Axis***

Agents service: ***Architects***

42.1.4 Agent (2):

***Cubic Professional Consultants***

Agents service: ***Quantity Surveyors***

42.1.5 Agent (3):

***Muavha Ramollo Consulting***

Agents service: ***Structural and Civil Engineers***

42.1.6 Agent (4):

***Pienaar & Erwee***

Agents service: ***Electrical Engineers***

42.1.6 Agent (5):

***Not applicable***

Agents service:

42.1.8 Agent (6):

***Not Applicable***

Agent service:

42.1.9 Agent (7):

***Not applicable***

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**42.2 CONTRACT DETAILS**

42.2.1 Works Description:

*The works shall be as described in the "Notes to Tenderers"*

42.2.2 Site Description:

*The site shall be as described in the "Notes to Tenderers"*

42.2.3 Work or installations by direct contractors:

*Refer to notes to tenders: Item 2 Scope of contract*

42.2.4 Specific options that are applicable to a State organ only:

- (1) Interest rate legislation: N/A
- the (2) Lateral support insurance to be effected by contractor: N/A
- goods: (3) Payment will be made for materials and goods: N/A
- (4) Dispute resolution by litigation: N/A
- the (5) Extended defects liability period applicable to following elements: N/A

42.2.5 Possession of the site is be given on:

*To be determined*

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42.2.6 Period for the commencement of the works after the contractor takes possession of the site:

***Within one (1) working day***

42.2.7 The date for practical completion and the penalty per calendar day for the works as a whole:

Date:  
***24 Months after the site handover excluding builder's holiday***

Penalty:  
***0,05% of the tendered amount, inclusive of value added tax***

42.2.8 The date for practical completion and the penalty per calendar day for the works in sections:

***See Item 36 of Notes to Tenders***

Section 1:	Date: N/A	Penalty: R
.....	Section 2:	Date: N/A
N/A	Penalty: R .....	Section 3: Date:
N/A	Penalty: R .....	Section 4: Date:
N/A	Penalty: R .....	Section 5: Date:
N/A	Penalty: R .....	Section 6: Date:
N/A	Penalty: R .....	

42.2.9 The law applicable to this agreement shall be that of:

***Republic of south Africa***

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**42.3 INSURANCES**

42.3.1 Contract works insurance:

To be effected by: **Contractor**  
 For the sum of: **Tendered amount plus**  
**20%**  
 With a deductible of: **to be determined by**  
**the contractor**

42.3.2 Supplementary insurance is required: **No**

42.3.3 Public liability insurance: **Yes**

To be effected by: **Contractor**  
 For the sum of: **R 20 000 000-00**  
 With a deductible of: **to be determined by**  
**the contractor**

42.3.4 Support insurance to be effected by the employer: **No**

**42.4 DOCUMENTS**

41.4.1 Waivers of contractor's lien or right of continuing possession is required: **Yes**

42.4.2 Construction document copies to be supplied to the contractor free of charge:  
**Three (3) copies of each**

42.4.3 Bills of quantities drawn up in accordance with:  
**Standard System of Measuring Building Work**

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42.4.4 On acceptance of the tender the bills of quantities is to be submitted:

***Within seven (7) working days***

42.4.5 JBCC Engineering General Conditions are to be included in the documents:

***No***

42.4.6 The contract value is to be adjusted using CPAP:

***Yes***

Base month of indexes: ***Will be based on date of tender closing***

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

- Clause 3 : page 2***
- Clause 10 : page 3***
- Clause 18 : page 5***
- Clause 21 : page 6***
- Clause 29 : page 8***
- Clause 31 : page 9***
- Clause 10 : page 4***
- Clause 18: page 6***

**42.5 CONTRACT DETAILS**

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

**42.6 DOCUMENTS**

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

**42.7 DISPUTE RESOLUTION**

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

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**42.8 SIGNATURES OF THE CONTRACTING PARTIES**

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

**SECTION B: PRELIMINARIES**

**Definition and interpretation (B1)**

42 Definition and interpretation (B1.1 - B1.6.5)

Fixed

Item

Value Related

Item

Time Related

Item

**Documents (B2)**

43 Checking of documents (B2.1)

*These bills of quantities:*

(1) *contain pages and annexes as indexed, and;*

(2) *are in multiple procurement format, i.e. all trades are fully measured with minor budgetary allowances*

*Items in these bills of quantities are to be read and priced in conjunction with and the descriptions regarded as amplified by the Model Preambles for Trades, 1999 edition, as recommended and published by the Association of South African Quantity Surveyors and no claim arising from brevity of description of items fully described in the said Model Preambles for Trades will be entertained*

Fixed

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	Value Related	Item	
	Time Related	Item	
44	Provisional bills of quantities (B2.2)	Item	
	Value Related	Item	
	Time Related	Item	
45	Availability of construction documentation (B2.3)		
	<i>The minor budgetary allowances included in this document will be separately procured, based on multiple procurement of selected sub-contractors during the construction period</i>		
	Fixed	Item	
	Value Related	Item	
	Time Related	Item	
46	Interests of agents (B2.4)		
	Fixed	Item	
	Value Related	Item	
	Time Related	Item	
47	Priced documents (B2.5)		
	Fixed	Item	
	Value Related	Item	
	Time Related	Item	
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48	Tender submission (B2.6)			
	<i>Notwithstanding anything contained in this clause tenders shall be valid for a period of ninety (90) days from the closing date of tenders</i>			
	Fixed		Item	
	Value Related		Item	
	Time Related		Item	
	<u>The site (B3)</u>			
49	Defined works area (B3.1)			
	Fixed		Item	
	Value Related		Item	
	Time Related		Item	
50	Geotechnical investigation (B3.2)			
	Fixed		Item	
	Value Related		Item	
	Time Related		Item	
51	Inspection of the site (B3.3)			
	<i>No claims for extras arising from the contractor having failed to comply with this clause will be entertained</i>			
	Fixed		Item	
	Value Related		Item	
	Time Related		Item	
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57	Protection of trees, etc (B3.9)			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
58	Articles of value (B3.10)			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
59	Inspection of adjoining properties, etc (B3.11)			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
	<b><u>Management of contract (B4)</u></b>			
60	Management of the works (B4.1)			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
61	Contract participation goals for targeted enterprises in accordance to CIDB Competence Standard for Contractors Gazette No. 41237, 10 November 2017.			
		Fixed	Item	
		Value Related	Item	
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		Item	
62	Time Related		1,600,000.00
63	<p>Programming for the works (B4.2)</p> <p>Clause B4.2 is hereby amended by the addition of the following:</p> <p>Programme:</p> <p>The contractor and the principal agent shall agree to a Contract Programme for the control of the Works.</p> <p>The contractor shall submit a draft of the Contract Programme and method statement to the principal agent for approval together with the tender.</p> <p>The contractor shall ensure that the contract programme:</p> <ol style="list-style-type: none"> <li>1. Shall be prepared and drawn up to comply in all respects with the requirements of this Agreement.</li> <li>2. shall be drawn up using logic developed during the tender period and complies with the planning requirements of The University;</li> <li>3. shall be in accordance with the dates given herein for possession and practical completion; and</li> <li>4. shall be in sufficient and approved detail to ensure effective control of the work, including all items necessary to enable calculations to be made for the distribution of finance during the cashflow analysis.</li> <li>5. shall be accompanied by a full written method statement</li> </ol> <p>The principal agent shall examine and comment on the contract programme and method statement within two weeks of its submission.</p> <p>Following on these comments the contractor shall amend the contract programme and method statement as may be necessary and submit the final contract programme and method statement to the principal agent for approval within a further two weeks thereafter.</p>		
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The contract programme shall be processed by computer and be presented to the principal agent in the form of logic charts and bar charts in such a way as to determine the critical path and the float on non-critical activities. All supporting printouts must be available to the principal agent on demand.

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

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

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

Development of the contract programme and method statement

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

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

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**Revisions to the contract programme**

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

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

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

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

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

**Progress Monitoring**

The contractor shall provide regular progress reports showing actual and expected progress against the latest contract programme. Progress reports shall be submitted at each site progress meeting and shall outline the progress against key target dates and deviation which has occurred against the most recently updated control programme due to the progress reflected in the as-built construction programme.

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

Target - If the activity is not complete, the latest

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predicted completion date shall be supplied.

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

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

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

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

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

**Extension of time**

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

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

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

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

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

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		Time Related	Item	
69	Shop drawings (B5.3)			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
70	Compliance with manufacturer's instructions (B5.4)			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
	<b><u>Temporary works and plant (B6)</u></b>			
71	Deposits and fees (B6.1)			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
72	Enclosure of the works (B6.2)			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
73	Advertising (B6.3)			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
				R
				R
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74	Plant, equipment, sheds and offices (B6.4)		
		Fixed	Item
		Value Related	Item
		Time Related	Item
75	Main notice board (B6.5)		
		Fixed	Item
		Value Related	Item
		Time Related	Item
76	Subcontractors notice board (B6.6)		
		Fixed	Item
		Value Related	Item
		Time Related	Item
	<u>Temporary services (B7)</u>		
77	Location (B7.1)		
		Fixed	Item
		Value Related	Item
		Time Related	Item
78	Water (B7.2)		
		Fixed	Item
		Value Related	Item
		Time Related	Item

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79	Electricity (B7.3)	Fixed	Item
		Value Related	Item
		Time Related	Item
80	Telecommunication equipment (B7.4)	Fixed	Item
		Value Related	Item
		Time Related	Item
81	Ablution facilities (B7.5)	Fixed	Item
		Value Related	Item
		Time Related	Item
<b><u>Prime cost amounts (B8)</u></b>			
82	Responsibility for prime cost amounts (B8.1)	Fixed	Item
		Value Related	Item
		Time Related	Item
<b><u>Attendance on nominated and selected subcontractors (B9)</u></b>			
83	General attendance (B9.1)	Fixed	Item
		Value Related	Item

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		Time Related	Item	
84	Special attendance (B9.2)			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
85	Commissioning - Fuel, water and power (B9.3)			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
	<b><u>Financial aspects (B10)</u></b>			
86	Statutory taxes, duties and levies (B10.1)			
	<i>Provision is made in the summary of these bills of quantities for the inclusion of Value Added Tax (VAT)</i>			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
87	Payment of preliminaries (B10.2)			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
88	Adjustment of preliminaries (B10.3)			
		Fixed	Item	
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		Value Related	Item	
		Time Related	Item	
89	Payment certificate cash flow (B10.4)			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
	<b>General (B11)</b>			
90	Protection of works (B11.1)			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
91	Protection/isolation of existing/sectionally occupied work (B11.2)			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
92	Site security (B11.3)			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
93	Notice before covering work (B11.4)			
		Fixed	Item	
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		Value Related	Item	
		Time Related	Item	
94	Disturbance (B11.5)	Fixed	Item	
		Value Related	Item	
		Time Related	Item	
95	Enviromental disturbance (B11.6)	Fixed	Item	
		Time Related	Item	
		Value Related	Item	
96	Works cleaning and clearing (B11.7)	Fixed	Item	
		Value Related	Item	
		Time Related	Item	
97	Vermin (B11.8)	Fixed	Item	
		Value Related	Item	
		Time Related	Item	
98	Overhand work (B11.9)	Fixed	Item	
		Value Related	Item	
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	Time Related		Item	
99	Instruction manuals and guarantees (B11.10)			
	Fixed		Item	
	Value Related		Item	
	Time Related		Item	
100	As built information (B11.11)			
	Fixed		Item	
	Value Related		Item	
	Time Related		Item	
101	Tenant installations (B11.12)			
	Fixed		Item	
	Value Related		Item	
	Time Related		Item	
	<b><u>Schedule of variables (B12)</u></b>			
102	Pre-tender information (B12.1)			
	Fixed		Item	
	Value Related		Item	
	Time Related		Item	
12.1.1	Provisional bills of quantities (B2.2)			
	The quantities are provisional:	Yes		
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12.1.2 Availability of construction documentation (B2.3)

Construction documentation is not complete:  
**No**

12.1.3 Interest of agents (B2.4) **No**

12.1.4 Defined works area (B3.1)  
*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 (B3.2) **Yes**

12.1.6 Existing premises occupied (B3.4) **No**

12.1.7 Previous work - Dimensional accuracy (B3.5) **No**

12.1.8 Previous work - Defects (B3.6) **No**

12.1.9 Services - known (B3.7)  
*Existing services and points of connection are shown on the site plan and/or will be pointed out on site by the principal agent*

12.1.10 Protection of trees (B3.9) **N/A**

12.1.11 Inspection of adjoining properties (B3.11) **Yes**

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	12.1.12 Enclosure of the works (B6.2) (See notes to tenders)				
103	12.1.13 Offices (B6.4.3)  <i>The contractor shall provide, maintain and remove on completion of the works an office for the exclusive use for meetings to be held on site. The minimum size of the office shall be 8 x 4 x 2,40m high internally with concrete floor, insulated ceiling and roof. The office shall be suitably ventilated, equiped with electric lighting and fitted with table, twelve (12) chairs, one (1) pining board 2,40 x 1,20m high, one (1) writing board 2,40 x 1,20m high and a set of ten (10) aluminium "Ozafite" drawing hangers complete with stand. The office shall be kept clean and fit for use at all times</i>	Fixed		Item	
		Value Related		Item	
		Time Related		Item	
104	12.1.14 Main notice board (B6.5)  <i>The contractor shall provide, erect where directed, maintain and remove on completion of the works a notice board size 3 x 3m high. The exact extent of the details, clour scheme and wording will be provided by the principal agent on the day of the site handover. The board shall be securely fixed to and including a suitable supporting structure of timber or tubular posts and braces</i>	Fixed		Item	
		Value Related		Item	
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	Time Related	Item	
12.1.15 Sub-contractors notice board (B6.6)			
A notice board is required:	<b>No</b>		
12.1.16 Water (B7.2)	Alternative selected: <b>A</b>		
12.1.17 Electricity (B7.3)	Alternative selected: <b>A</b>		
12.1.18 Telecommunications (B7.4)	Alternative selected: <b>A</b>		
12.1.19 Ablution facilities (B7.5)	Alternative selected: <b>A</b>		
12.1.20 Protection of existing/sectionally occupied works (B11.2)	<b>No</b>		
12.1.22 Protection of the works	<b>No</b>		
12.1.23 Disturbance (B11.5)	<b>No</b>		
12.1.24 Enviromental disturbance (B11.6)	<b>No</b>		
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105 Post-tender information (B12.2)

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

Fixed

Item

Value Related

Item

Time Related

Item

**SECTION C: SPECIFIC PRELIMINARIES**

106 **Clause C1 - Proprietary branded products**

The contractor shall take delivery of, handle, store, use, apply and/or fix all proprietary branded products in strict accordance with the manufacturers' instructions after consultation with the manufacturer's authorized representative

Fixed

Item

Value Related

Item

Time Related

Item

107 **Clause C2 - Overtime**

Should overtime be required to be worked for any reason whatsoever, the costs of such overtime are to be borne by the contractor unless the principal agent has specifically authorized and indicated in writing, prior to the execution thereof, that costs for such overtime will to be borne by the employer

Fixed

Item

Value Related

Item

Time Related

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**108 Clause C3 - As-built drawings**

The position of construction breaks and the extent of individual concrete pours are to be recorded by the contractor on the structural engineer's drawings and are to be submitted to the principal agent and the structural engineer for their records

Fixed

Item

Value Related

Item

Time Related

Item

**109 Clause C4 - Site instructions**

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

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

Fixed

Item

Value Related

Item

Time Related

Item

**110 Clause C5 - Labour record**

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

Fixed

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		Value Related	Item	
		Time Related	Item	
111	<p><b>Clause C6 - Plant record</b></p> <p>At the end of each calendar week the contractor shall provide the principal agent with a written record, in schedule form, reflecting the number, type and capacity of all plant, excluding hand tools, currently used on the works</p>			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
112	<p><b>Clause C7 - Non-cession of monies</b></p> <p>The contractor shall not cede nor assign his rights or claims to any monies due or to become due to him under this contract</p>			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
113	<p><b>Clause C8 - Occupational Health and Safety Act</b></p> <p>In terms of the Occupational Health and Safety Regulations promulgated on 18 July 2003, it will be expected from the contractor to comply fully with and adhere to all such regulations pertaining to this project as no claims in this regard will be entertained</p>			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
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**SECTION 2**

**BUILDING WORK**

**BILL NO 1**

**DEMOLITIONS**

For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades as well as Engineering Specifications attached to these documents.

**SUPPLEMENTARY PREAMBLES**

Note:

All usable material from the demolitions should be kept safety and handed over to the Principal Agent who shall sign for all material received.

**DEMOLITIONS ETC**

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 unnecessarily with any supply pipes or other piping that may be met with and found necessary to disconnect or

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Quantity

Rate

Amount

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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.

**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 client 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.

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

Note: Contractor to allow for removal and disposal of asbestos or such by approved specialist by Department of Environmental & Affairs

**Demolishing and removing**

- |   |  |    |   |  |
|---|--|----|---|--|
| 1 | Single storey building with pitched roof, 55m long x 30m wide on plan and 2.5m high at eaves, comprising concrete surface bed, asbestos walls and sheet steel roof covering on timber trusses including carting away all rubbles and preparing the site for new building | No | 1 |  |
|---|--|----|---|--|

**Inspection of asbestos materials**

- |   |  |  |      |  |
|---|--|--|------|--|
| 2 | Asbestos material to be inspected by the specialist before demolition can commence, report to be submitted to the principal agent. |  | Item |  |
|---|--|--|------|--|

**Clearance certificate**

- |   |   |  |      |  |
|---|---|--|------|--|
| 3 | Clearance certificate for asbestos to be submitted to the principal agent |  | Item |  |
|---|---|--|------|--|

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**BUILDING WORK**

**BILL NO.2**

**ALTERATIONS**

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

**REMOVAL OF EXISTING WORK:**

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

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Quantity	Rate	Amount
		R

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.

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 client 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 client who shall sign for all material received.

**Carried to Collection**

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 Building Work  
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 Alterations

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

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**NET SUM**

**Relocations of underground services**

1 Provide the sum of R 250,000.00 for relocation of underground services which were not clearly defined during tender stage

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

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**CONSTRUCTION OF NEW KITCHEN AND CANTEEN**  
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**DEPARTMENT OF PUBLIC WORKS, ROADS AND INFRASTRUCTURE**

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**SECTION NO 2**

**BUILDING WORK**

**BILL NO 3**

**FOUNDATIONS**

For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades as well as Engineering Specifications attached to these documents.

**SUPPLEMENTARY PREAMBLES**

In the event of any discrepancy with the 'Model Preambles for Trades', the 'Concrete, Formwork and Reinforcement Specification' shall take precedence.

**Nature of ground**

Descriptions of excavations shall be deemed to include all ground conditions classifiable as "earth" described in 'The Model Preambles for Trades 2008' and where conditions of a more difficult character are indicated these are separately measured.

**Excavations**

No allowance is made for bulking in the given quantities for excavated material.

Prices of excavations are to include for putting aside excavated material to be used as filling, as well as forming excavated surfaces to falls, slopes, counters, trimming sides and stepping, levelling and ramming bottoms.

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

Quantity	Rate	Amount
		R



**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 stockpiles situated on the building site.

**Sizes in descriptions**

Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick

**Hollow walls etc**

Descriptions of hollow walls shall be deemed to include leaving every fifth perpend of the bottom course of the external skin open as a weep hole.

Walls in two skins described as "bagged and sealed" shall be deemed to include having the outer face of the inner skin bagged with 1:6 cement and sand mixture and sealed with two coats "Brixeal" bitumen emulsion waterproofing coating.

**SITE CLEARANCE, ETC.**

**Site clearance**

1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc	m2	2,635
2	Rip and scarify ground level to a depth of 200mm and consolidate to 93% mod. AASHTO density	m2	2,635

**EXCAVATION, FILLING, ETC**

**Excavate on earth not exceeding 2m deep**

3	Reduced levels under floors	m3	383
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DEPARTMENT OF PUBLIC WORKS, ROADS AND INFRASTRUCTURE

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BILLS OF QUANTITIES  
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	<b><u>Excavate in earth not exceeding 2m deep below natural, excavated or reduced ground level and depositing excavated material in stock piles on site</u></b>			
4	Holes	m3	14	
5	Trenches	m3	394	
	<b><u>Extra over trench and hole excavation in earth for excavation in</u></b>			
6	Soft rock	m3	24	
7	Hard rock	m3	12	
	<b><u>Extra over all excavations for carting away</u></b>			
8	Surplus material from excavations and/or stockpiles on site to a dumping site to be located by the contractor.	m3	167	
	<b><u>Risk of collapse of excavations</u></b>			
9	Sides of trench and hole excavations not exceeding 1 500mm deep	m2	928	
	<b><u>Keeping excavations free of water</u></b>			
10	Keeping excavations free of all water other than subterranean water		Item	
	<b><u>Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 93% Mod AASHTO density</u></b>			
11	Over site	m3	67	
12	Under floors, steps, paving, etc	m3	160	
	<b><u>Earth filling (G6 material in accordance with SANAS approved 1200 DM) supplied by the contractor compacted to 95% Mod AASHTO density in layers not exceeding 150mm thick</u></b>			
13	Under floors, steps, pavings, etc	m3	467	
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**BILLS OF QUANTITIES**  
**CONSTRUCTION OF NEW KITCHEN AND CANTEEN**  
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<b><u>Earth filling (G5 material in accordance with SANAS approved 1200 DM) supplied by the contractor compacted to 95% Mod AASHTO density in layers not exceeding 150mm thick</u></b>		
14	Under floors, steps, pavings, etc	m3 425
15	Trenches	m3 101
<b><u>Compaction of surfaces</u></b>		
16	Compaction of ground surface under floors etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% Mod AASHTO density	m2 1,061
<b><u>Prescribed density tests on filling</u></b>		
17	"Mod. AASHTO Density" test	No 15
<b><u>SOIL POISONING</u></b>		
<b><u>Soil insecticide to be executed with SABS compliance by a firm of Specialists under a 5 year guarantee</u></b>		
18	Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m2 1,061
19	To bottoms and sides of trenches etc	m2 1,196
<b><u>CONCRETE</u></b>		
<b><u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u></b>		
<b><u>15MPa/20mm concrete</u></b>		
20	Surface blinding under footings and bases	m3 11

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<b><u>25MPa/19mm concrete</u></b>			
21	Strip footings	m3	99
22	Column Bases	m3	13
<b><u>TEST BLOCK</u></b>			
23	Making and testing a set of four 150 x 150 150mm concrete strength test cubes per concrete pour, one crushed at 7 days and 3 at 26 days	No	10
<b><u>MOVEMENT JOINTS ETC</u></b>			
<b><u>Two layers of 375 micron "Consol Plastic Brickgrip DPC" in slip joints between horizontal concrete and brick surfaces, including cement mortar bed</u></b>			
24	6mm Joints not exceeding 300mm high	m	210
<b><u>REINFORCEMENT</u></b>			
<b><u>Mild steel reinforcement to structural concrete work</u></b>			
25	10mm Diameter bars	t	3.00
<b><u>High tensile steel reinforcement to structural concrete work</u></b>			
26	12mm Diameter bars	t	12.80
27	16mm Diameter bars	t	1.80
<b><u>MASONRY</u></b>			
<b><u>BRICKWORK IN FOUNDATIONS (PROVISIONAL)</u></b>			
<b><u>Brickwork of NFX bricks (14 MPa nominal compressive strength) in class II mortar</u></b>			
28	Half brick walls	m2	55

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**BILLS OF QUANTITIES**  
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29	One brick walls	m2	142		
30	330mm Hollow walls of two half brick skins (no wire ties)	m2	8		
<b><u>BRICKWORK SUNDRIES</u></b>					
<b><u>Brickwork reinforcement</u></b>					
31	75mm Wide reinforcement built in horizontally	m	303		
32	150mm wide reinforcement built in horizontally in foundations.	m	781		
33	Extra for building brickwork to oversailing facebrick course.	m2	4		
<b><u>FACE BRICKWORK</u></b>					
<b><u>Face bricks Type A (PC sum of R 6000.00 / 1000 VAT excl. supply and delivered to site) pointed with recessed horizontal and vertical joints</u></b>					
34	Extra over brickwork for face brickwork in foundation	m2	31		
<b><u>ABNORMAL FOUNDATIONS</u></b>					
<b><u>Money Provision:</u></b>					
35	Provide a sum of R400 000,00 ( Four Hundred thousand rand) for construction of platforms not clearly defined at the time of tender			Item	400,000.00
<b>Carried to Collection</b>				R	
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**BILLS OF QUANTITIES**  
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**SECTION NO 2**

**BUILDING WORK**

**BILL NO 4**

**CONCRETE, FORMWORK AND REINFORCEMENT**

**SUPPLEMENTARY PREAMBLES**

**Cost of tests**

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 and to the approval of the architect. (Test cubes are measured separately)

**Breeze concrete**

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

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Section No. 2  
 Building Work  
 Bill No. 4  
 Concrete, Formwork and Reinforcement

DEPARTMENT OF PUBLIC WORKS, ROADS AND INFRASTRUCTURE

**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 slabs etc shall be deemed to be slabs not exceeding 250mm thick unless otherwise described

Formwork to soffits of slabs, beams, etc shall be deemed to be propped up exceeding 1,5m and not exceeding 3,5m high unless otherwise described

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"

**LIGHTWEIGHT CONCRETE**

**Breeze concrete**

1	Grading to slabs	m3	38	
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 Concrete, Formwork and Reinforcement

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

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**BILLS OF QUANTITIES**  
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**UNREINFORCED CONCRETE**

**25MPa/19mm concrete**

2	Ramps on waterproofing	m3	10
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**REINFORCED CONCRETE**

**30MPa/19mm concrete**

3	Surface beds cast in panels on waterproofing	m3	128
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4	Slabs including beams and inverted beams	m3	232
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5	Columns	m3	40
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**NET SUM**

6	Allow net sum of R 320,000-00 for the supply and installation of precast stair case by the specialist	Item	320,000.00
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**TEST CUBES**

7	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	15
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**CONCRETE SUNDRIES**

**Finishing top surfaces of concrete smooth with a wood float/steel trowel**

8	Surface beds, slabs, etc	m2	1,061
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**SMOOTH FORMWORK (DEGREE OF ACCURACY I)**

**Smooth formwork to soffits**

9	Rectangular columns	m2	58
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10	Slabs propped up not exceeding 4000mm high	m2	421
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BILLS OF QUANTITIES  
 CONSTRUCTION OF NEW KITCHEN AND CANTEEN  
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11	Slabs propped up exceeding 4000mm not exceeding 7000mm high	m2	332
<b><u>ROUGH FORMWORK (DEGREE OF ACCURACY III)</u></b>			
<b><u>Rough formwork to sides</u></b>			
12	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	210
<b><u>MOVEMENT JOINTS ETC</u></b>			
<b><u>Expansion joints with bitumen impregnated softboard between concrete and brickwork</u></b>			
13	10mm Joints not exceeding 300mm high along edges of surface beds	m	65
<b><u>REINFORCEMENT (PROVISIONAL)</u></b>			
<b><u>Mild steel reinforcement to structural concrete work</u></b>			
14	8mm Diameter bars	t	1.40
<b><u>High tensile steel reinforcement to structural concrete work</u></b>			
15	10mm Diameter bars	t	3.50
16	12mm Diameter bars	t	2.20
17	16mm Diameter bars	t	3.84
18	20mm Diameter bars	t	2.95
19	25mm Diameter bars	t	3.96
<b><u>Fabric reinforcement</u></b>			
20	Type 193 fabric reinforcement in concrete surface beds, slabs etc.	m2	1,061

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 Concrete, Formwork and Reinforcement

DEPARTMENT OF PUBLIC WORKS, ROADS AND INFRASTRUCTURE

**BILLS OF QUANTITIES  
 CONSTRUCTION OF NEW KITCHEN AND CANTEEN  
 LIMPOPO TRAFFIC TRAINING COLLEGE  
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Concrete, Formwork and Reinforcement

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Item No		Quantity	Rate	Amount
	<p><b><u>SECTION NO 2</u></b></p> <p><b><u>BUILDING WORK</u></b></p> <p><b><u>BILL NO 5</u></b></p> <p><b><u>MASONRY</u></b></p> <p>For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades as well as Engineering Specifications attached to these documents.</p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><b><u>BRICKWORK</u></b></p> <p><b><u>Sizes in descriptions</u></b></p> <p>Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick</p> <p><b><u>Hollow walls etc</u></b></p> <p>Descriptions of hollow walls shall be deemed to include wall ties and leaving every fifth perpend of the bottom course of the external skin open as a weep hole</p> <p>Wall ties shall be vertical twist type wall ties galvanised 750g/m<sup>2</sup> zinc in accordance to SABS - 1986, and shall be at every 4th brick course at 500mm centres staggered in diamond formation</p>			
	<b>Carried to Collection</b>		R	
	<p>Section No. 2            Building Work            Bill No. 5            Masonry</p> <p><b>DEPARTMENT OF PUBLIC WORKS, ROADS AND INFRASTRUCTURE</b></p>			

**Face bricks**

Bricks shall be ordered timeously to obtain uniformity in size and colour

**Pointing**

Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc

Samples of all masonry building units, except those for walls described as "load bearing", shall consist of a minimum of 6 units. Samples of building units to be used in walls described as "load bearing" shall consist of 30 units from every 30 000 units delivered to site.

**Samples**

Samples of all masonry building units, shall consist of a minimum of 6 units

**BRICKWORK IN SUPER STRUCTURE**

**Brickwork of NFP bricks in class II mortar**

1	Half brick walls	m2	233
2	Half brick walls in beamfilling.	m2	20
3	One brick walls.	m2	936

**BRICKWORK SUNDRIES**

**Turning pieces**

4	230mm Wide turning piece to lintels etc	m	30
5	110mm Wide turning piece to lintels etc	m	28

**Prestressed fabricated lintels**

6	100 x 70mm lintels in lengths not exceeding 1200mm.	m	34
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 Masonry

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BILLS OF QUANTITIES  
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7	100 x 70mm lintels in lengths exceeding 1200mm not exceeding 1800mm.	m	7
	<b><u>Brickwork reinforcement</u></b>		
8	75mm Wide reinforcement built in horizontally	m	929
9	150mm wide reinforcement built in horizontally.	m	3,435
	<b><u>FACE BRICKWORK</u></b>		
	<b><u>Face bricks Type A (PC sum of R 6000.00 / 1000 VAT excl. supply and delivered to site) pointed with recessed horizontal and vertical joints</u></b>		
10	Extra over brickwork for face brickwork	m <sup>2</sup>	702
11	Fair raking cutting	m	36
	<b><u>Brick-on-edge header course copings, sills, etc of "Type B ( PC sum of R 6000.00 / 1000" face bricks pointed with recessed joints on all exposed faces</u></b>		
12	Cut face brick-on-edge external window cill, 180mm wide, set sloping and slightly projecting in cement mortar and pointed on top, front edge and projecting soffit including all necessary fair raking cutting to facings under and fair and fitted ends	m	122
13	Cut face brick-on-edge flat lintel course in cement mortar 230mm wide on soffit and to correspond in height with adjoining facebrick courses including pointing on 110mm wide projecting soffit and one side	m	32
	<b><u>BLOCKWORK</u></b>		
	<b><u>Blockwork in class II mortar</u></b>		
14	260mm x 150mm thick precast concrete coping	m	15

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DEPARTMENT OF PUBLIC WORKS, ROADS AND INFRASTRUCTURE

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**BILLS OF QUANTITIES**  
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Masonry

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**SECTION NO 2**

**BUILDING WORK**

**BILL NO 6**

**WATERPROOFING**

For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades as well as Engineering Specifications attached to these documents.

**Waterproofing**

Waterproofing of roofs, basements, etc shall be laid under a ten year guarantee by an approved applicator. Waterproofing to roofs shall be laid to even falls to outlets etc with necessary ridges, hips and valleys. Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs

**WATERPROOFING TO ROOFS, BASEMENTS, ETC**

**"Derbigum" Special polyster 4mm thick roofing or other approved waterproofing system comprising preparation of surface primer and one layer of 4mm membrane laid on slabs to falls in accordance with the manufacturer's instructions by an approved firm of specialists under a ten year written guarantee, including all cutting and waste, laps, turn-ups and turn-downs, etc. (measured nett)**

1	On flat floors	m2	332	
2	On tops and sides of plastered parapet wall	m2	60	

Carried to Collection

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Section No. 2  
 Building Work  
 Bill No. 6  
 Waterproofing

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3	Additional membrane at 100mm diameter outlet	No	10
<b><u>PROTECTIVE ROOF PAINT</u></b>			
<b><u>Two coats "Silvakote or Similar Approved" bituminous aluminium paint</u></b>			
4	On waterproofing to roofs	m2	332
5	On walls	m2	60
<b><u>DAMP-PROOFING OF WALLS AND FLOORS</u></b>			
<b><u>One layer of 375 micron "Consol Plastics Brickgrip DPC or Similar Approved" embossed damp proof course</u></b>			
6	In walls	m2	81
<b><u>One layer of 250 micron "Consol Plastic USB Green or Similar Approved" waterproof sheeting sealed at laps with "Gunplas Pressure Sensitive Tape"</u></b>			
7	Under strip footings	m2	291
8	Under surface beds	m2	1,061
<b><u>JOINT SEALANTS ETC</u></b>			
<b><u>Two-part grey polysulphide sealing compound including backing cord, bond breaker, primer, etc</u></b>			
9	3 x 10mm In vertical expansion joints including raking out expansion joint filler as necessary	m	65

Carried to Collection

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Section No. 2  
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 Waterproofing

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Building Work

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Waterproofing

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Waterproofing

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**SECTION NO 2**

**BUILDING WORK**

**BILL NO 7**

**ROOF COVERINGS, ETC**

For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades as well as Engineering Specifications attached to these documents.

**SUPPLEMENTARY PREAMBLES**

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

**Carried to Collection**

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 Roof Coverings, etc

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

**PROFILED METAL SHEETING AND ACCESSORIES**

**0,58mm "Brownbuilt Klip-Lok 700" heavy industrial spelter troughed sheet steel with "Globalcoat" finish one side, fixed to steel purlins complete under a five year guarantee by an approved firm of specialists, all in accordance with the materials supplied and methods employed by the manufacturer**

1 Roof coverings with pitches not exceeding 25 degrees m2 638

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. m 19

**0,58mm Bullnose "Brownbuilt Klip-Lok 700" heavy industrial spelter troughed sheet steel with "Globalcoat" finish one side, fixed to steel purlins complete under a five year guarantee by an approved firm of specialists, all in accordance with the materials supplied and methods employed by the manufacturer**

3 Roof coverings with pitches not exceeding 25 degrees m2 25

**0,58mm "Brownbuilt Klip-Lok 700" heavy industrial spelter troughed sheet steel with "Globalcoat" finish one side, fixed to steel purlins complete under a five year guarantee by an approved firm of specialists, all in accordance with the materials supplied and methods employed by the manufacturer**

4 Side cladding m2 26

**SHEET METAL FLASHINGS, LININGS, COPINGS, ETC**

**0,8mm Galvanised sheet iron with "colomet" finish on one side**

5 Side wall flashing 550mm girth m 37

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 Roof Coverings, etc

DEPARTMENT OF PUBLIC WORKS, ROADS AND INFRASTRUCTURE

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**ROOF AND WALL INSULATION**

**"Alucushion®" single-sided aluminium foil with white polyethylene coating on other side or similar and approved**

6	4mm Insulation laid taut over steel purlins and fixed concurrently with roof covering; including white PVC coated straining wires at 383mm centres, all in accordance to the manufacturer's specifications.	m2	638
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**Carried to Collection**

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

**BILLS OF QUANTITIES  
CONSTRUCTION OF NEW KITCHEN AND CANTEEN  
LIMPOPO TRAFFIC TRAINING COLLEGE  
LDPWRI-B/20285**

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Roof Coverings, etc

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Roof Coverings, etc

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	<b><u>BUILDING WORK</u></b>			
	<b><u>BILL NO 8</u></b>			
	<b><u>CARPENTRY AND JOINERY</u></b>			
	For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades as well as Engineering Specifications attached to these documents.			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
	<b><u>Particle board:</u></b>			
	<u>Particle board shall comply with the following specifications:</u>			
	a) SABS 1300 Particle board: exterior and flooring type			
	b) SABS 1301 Particle board: interior type			
	<b><u>EAVES, VERGES, ETC</u></b>			
	<b><u>"Everite FC77 Similar and approved" pressed fibre-cement</u></b>			
1	15 x 250mm Fascias and barge boards including galvanised steel H-profile jointing strips	m	84	
	<b><u>DOORS ETC</u></b>			
	<b><u>40mm Solid core flush panel doors with two concealed edges, 3mm masonite board on both sides prepared for painting fixed on the steel door frame. (painting measured some where else)</u></b>			
2	Door 762 x 2032mm high	No	9	
	<b>Carried to Collection</b>			R
	Section No. 2 Building Work Bill No. 8 Capentry and Joinery			
	<b>DEPARTMENT OF PUBLIC WORKS, ROADS AND INFRASTRUCTURE</b>			

**BILLS OF QUANTITIES  
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3	Door 813 x 2032mm high	No	12
4	Door 914 x 2032mm high	No	6
5	Door 1575 x 2032mm high	No	1
6	Door 1830 x 2032mm high	No	1

**WINDOW CILLS**

**Meranti nailed**

7	135 x 19mm Meranti timber window cill	m	32
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**BILLS OF QUANTITIES**  
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Capentry and Joinery

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Capentry and Joinery

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Item No		Quantity	Rate	Amount
	<p><b><u>SECTION NO 2</u></b></p> <p><b><u>BUILDING WORK</u></b></p> <p><b><u>BILL NO 9</u></b></p> <p><b><u>CEILING, PARTITIONS AND ACCESS FLOORING.</u></b></p> <p>For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades as well as Engineering Specifications attached to these documents.</p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><u>Descriptions</u></p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins or shot pinned to brickwork or concrete</p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres, and where described as "bolted", the bolts are measured elsewhere</p> <p><b><u>CEILING CONSTRUCTION, CORNICES, ETC.</u></b></p> <p><b><u>Insulation</u></b></p>			
1	50mm glass fibre insulation blanket to manufacturer's specification, laid on ceiling.	m2	424	
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**SUSPENDED CEILINGS**

**Note:**

Electrical light fittings, diffusers, panels, etc generally are "lay in" units of the same dimensions as the suspension grid described and allowance must be made accordingly for their support inclusive of any flexibility inseting out that may be required (ceiling panels have not been deducted and pricing is to take cognisance thereof)

**German manufactured gypsum ceiling panels face-covered with fissured embossed vinyl, size 1200 x 600 x 12.5mm thick, laid on fire rated s3 exposed demountable butt-cut t24 suspension system, comprising galvanised main tees and cross tees with main tees suspended by means of galvanised hangers at centres not exceeding 1200mm with ceiling perimeter finished with shadowline w-trim, plugged and screwed at 200mm centres, and all installed to manufacturer's instructions**

2	Horizontal ceilings suspended not exceeding 1m below timber trusses	m2	424
3	Horizontal ceilings suspended not exceeding 1m below concrete	m2	127
4	Extra over ceilings for opening for 150mm diameter downlighter (Provisional)	No	21
5	Extra over ceilings for opening for 600 x 600mm light fitting (Provisional)	No	15
6	Soffit and side of horizontal bulkheads, size 1200 x 760mm deep, suspended not exceeding 1m below concrete soffits	m	68
7	Soffit and side of horizontal bulkheads, size 1860 x 760mm deep, suspended not exceeding 1m below concrete soffits	m	6

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8	Soffit and side of horizontal bulkheads, size 2955 x 760mm deep, suspended not exceeding 1m below concrete soffits	m	12
9	Soffit and side of horizontal bulkheads, size 2960 x 760mm deep, suspended not exceeding 1m below concrete soffits	m	7
10	Soffit and side of horizontal bulkheads, size 3857 x 760mm deep, suspended not exceeding 1m below concrete soffits	m	10
11	Soffit and side of horizontal bulkheads, size 4000 x 760mm deep, suspended not exceeding 1m below concrete soffits	m	4
<b><u>CORNICES</u></b>			
<b><u>"Donn or Similar and approved" cornices to suspended ceilings</u></b>			
12	"SM25" pre-painted cornices, nailed	m	205

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	<b><u>BILL NO 10</u></b>			
	<b><u>IRONMONGERY</u></b>			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
	<u>Descriptions</u>			
	Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs			
	<b><u>IRONMONGERY</u></b>			
	<b><u>HINGES, BOLTS, ETC</u></b>			
	<b><u>"Dorma" or similar and approved</u></b>			
1	Butt Hinge code HBAFM	No	6	
2	DBB-SS-009 Stainless steel 102x75x3mm two ball bearing butt hinge (Set)	No	41	
3	Built-in-flush bolts code BFBDM	No	10	
4	DPS-SS-032 Dust Proof Strike	No	11	
5	Female fixing screws(4 per pack)	No	211	
6	DWC-005 Stainless steel bathroom Indicator (Red and White) bolt with turknob (Set)	No	9	
7	DWC-006 Stainless steel Disabled WC Indicator (Red and White) bolt with turknob (Set)	No	2	
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8	DFB-SC-180 153mm Manual flush bolt with heel	No	2	
<b><u>LOCKS</u></b>				
<b><u>"Dormakaba" or similar and approved</u></b>				
9	D02935 SS Stainless steel narrow stile hook lock operating with European profile cylinder. case dimensions (mm) 174h x 45d. forend dimensions (mm) 290h x 22w. back set 35mm. 18mm throw	No	4	
10	D02735 SS Stainless steel Narrow Stile Dead Lock Operating with European Profile Cylinder. Case dimensions (mm) 174H x 52D. Forend dimensions (mm) 238H x 22W. Backset 35mm. 20mm Throw	No	6	
11	DKC106601GMK 66mm five pin euro-profile knob cylinder grand master keyed	No	15	
12	DMWC-SS-008 Stainless steel bathroom deadlock case dimensions 38mm x 76mm. forend dimensions 78 x 22W. backset 57mm	No	9	
13	DDC106601 GMK Satin nickel 66mm five pin Euro-profile Double Cylinder Grand Master Keyed	No	15	
14	DCE-105 SS Stainless steel narrow stile cylinder escutcheon (set)	No	10	
15	D032D SS-008 Bathroom deadlock case dimensions 102mm x 78mm. forend dimensions 155 x 22W. backset 57mm	No	20	
16	D036S SS Cylinder sash lock. case dimension 116.5 x 78mm. forend dimensions 168 x 22W. backset 57mm centre 61mm	No	18	

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17	D037D SS Cylinder dead lock. case dimension 116.5H x 78D. forend dimensions 168 x 22W. backset 57mm centre 61mm	No	6
18	DSC104301 GMK (43mm) Satin Nickel 43mm five pin Euro-profile Single Cylinder Grand Master Keyed	No	6
19	PHB3 S DD Three-point locking panic bar - Double door - Door leaf 1000mm wide x 2270mm high (3101. 3102. PHX02. PHX04	No	1
<b><u>HANDLES</u></b>			
<b><u>"Dormakaba" or similar and approved</u></b>			
20	DPH301B 325 x 25mm straight tubular pull handle flange fixing	No	4
21	DPH301C BT 149 x 19mm straight tubular pull handle BT	No	16
22	DPH215 BTB 382 x 32mm ss "D" offset tubular pull handle BTB including BTB fixing set	No	12
23	CB30 Cyl SC Lever handle on plate with cylinder cutout	No	9
24	PHT3901 Satin Nickel Exterior access lock with lever handle (Cylinder not included)	No	1
25	DRP-SS-023 SS 62 x 44mm Ring Flush Pull Handle	No	2
<b><u>Sundries</u></b>			
26	DDS-NP-018 Nickel plated floor mounted door stop	No	32
27	DHC-SS-031B Hat & coat hook with buffer	No	9

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**DOOR CLOSERS**

**"Dormakaba" or similar and approved**

28	TS92B Silver slide channel door closure	No	2
29	TS90 – SL Silver EN 3/4 Cam action slide channel NON HOLD OPEN Door Closer - Hydraulic Speed Control. Pull Side - leaf or transom fixing; Push Side - leaf or transom fixing. EN3 850-950, EN4 950-1100	No	5
30	BTS75 SATNHO Adjustable size EN 1-4 NON HOLD OPEN, Certified to EN1154, with SINGLE ACTION accessories, for 120kg door leaf weight, Adjustable closing and latching speeds, Backcheck	No	12
31	TS91B – SL Silver NON HOLD OPEN Cam action slide channel door closer. Max door width 950mm. Closing Force EN3. Hydraulic speed control. Pull-side door leaf fixing (Standard), Push-side transom fixing. Door closer compliant with EN 1154. Door closer is CERTI FIRE approved (Certificate No. CF 119) for door types ITT 120, MM/IMM 240. Certified manufacturer to ISO 9001	No	4
32	TS73V PA DC/NE 2-4 Silver parallel arm delayed action door closure	No	2

**PUSH PLATES AND KICKING PLATES**

**"Union" or similar and approved**

33	900mm wide x 800mm high x 1.2mm thick Grade 304 SS kick plate with 10 counter sunk hole for screw fixing at Paraplegic room	No	2
34	800mm wide x 300mm high x 1.2mm thick Grade 430 SS kick plate with 10 counter sunk hole for screw fixing at ablutions	No	10

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35	DPP-430-BL-SF Stainless steel 75mm wide x 170mm high x 1.2mm thick Grade 430 SS plate with 4 counter sunk hole for screw fixing	No	9		
36	DPP-430-BL 100mm wide x 200mm high x 1.2mm thick Grade 430 SS with 4 counter sunk hole for screw fixing	No	5		
37	DPP-430-BL 150mm wide x 300mm high x 1.2mm thick Grade 430 SS with 4 counter sunk hole for screw fixing	No	2		
38	DKP-430-SF 430 Brushed Stainless Steel 300x(width of door)x1.2mm thick Grade 430 stainless steel kick plate. Stainless Steel Kick Plate to have 12 countersunk holes for screw fixing	No	18		
<b><u>BATHROOM FITTINGS</u></b>					
<b><u>"Buchel" or similar and approved</u></b>					
39	19mm Diameter chromium plated towel rail 600mm long including end brackets	No	8		
<b><u>"Kimberly-Clark" or similar and approved</u></b>					
40	Kimberly-Clark® Professional MR2 Satin finish Stainless Steel toilet tissue dispenser (code: SA426130), overall size 130 x 135 x 256mm high, installed by a Kimberly Clark® installation team.	No	7		
41	Kimberly-Clark® Professional Reflex® Hand towel disposer colour White (code: 6959000), overall size 236 x 430 x 241mm high, installed by a Kimberly Clark® installation team.	No	4		
42	Kimberly-Clark® Professional Reflex® Disposer waste bin colour White (code: 6993000) installed by a Kimberly Clark® installation team.	No	4		
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**LETTERS, NAMEPLATES, ETC**

**"Sundries"**

43	150 x 150mm Stainless steel plate engraved with "female" sign (St/Steel)	No	2
44	150 x 150mm Stainless steel plate engraved with "male" sign (St/Steel)	No	2
45	150 x 150mm Stainless steel plate engraved with "Disabled" sign (St/Steel)	No	2
46	150 x 150mm Stainless steel plate engraved with electrical symbol (St/Steel)	No	1
47	150 x 150mm Stainless steel plate engraved with "running man RH" sign (St/Steel)	No	1
48	150 x 150mm Stainless steel plate engraved with a "Fire Hose Reel" sign (St/Steel)	No	1
49	150 x 150mm Stainless steel plate engraved with "Fire Extinguisher" sign (St/Steel)	No	2

**"Glo Products"**

50	Glo-products photoluminescent escape route signage code E1 size 150mm x 150mm in SABS 1186 certified ABS plastic, with natural anodized aluminium frame, drilled, plugged and fixed with non-corrosive screws	No	4
51	Glo-products photoluminescent fire signage code F2 size 150mm x 150mm in SABS 1186 certified ABS plastic, with natural anodized aluminum frame, drilled, plugged and fixed with non-corrosive screws	No	4

**"VAAL PARAGON OR SIMILAR AND APPROVED" GRAB RAILS**

52	32mm Chairman Industries type SR1 back grab rail 800mm long plugged.	No	2
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53	32mm Chairman Industries type DL3 side grab rail 900mm long plugged.	No	2
<p><b><u>PINNING BOARDS, WRITING BOARDS, PROJECTION SCREENS, ETC</u></b></p> <p><b><u>"Vitrex" or similar approved</u></b></p>			
54	Vitrex "Code 2309" Pinning board 1200 x 2400mm high plugged	No	4

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**BUILDING WORK**

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**METALWORK**

For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades as well as Engineering Specifications attached to these documents.

**SUPPLEMENTARY PREAMBLES**

**Descriptions**

All dimensions are to be checked on site prior to manufacture

Any discrepancies are to be reported to the Architect before manufacture

All work to be done in strict accordance with the Engineers specifications

Shop drawings are to be submitted to Architects for approval prior to manufacture

Contractor can adjust the unit lengths to suit his manufacturing and transport requirements but must submit to the Architect for approval

All welding to be done in strict accordance with SABS codes and done by a qualified and registered welder and to the satisfaction of the Engineer

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All welding will be subject to random testing and x-rays to the discretion and satisfaction of the Engineer

The Contractor will be required to provide a mock-up sample of a handrail and/or balustrade

**STAINLESS STEEL HANDRAILS,  
BALUSTRADES, ETC**

**Welded and bolted stainless steel balustrading to stairs**

1	50mm External diameter x 2,0mm hollow section rails	m	292
2	50mm Hollow section post fixed to base plate	m	219
3	12mm External diameter x 2,0mm rods	m	1,460
4	Extra over for rounded closed end	No	16
5	50 x 70 x 5mm Thick plate section fixing plate welded to vertical supports	No	146
6	M6 expansion anchor with bolt	No	584

**WELDED SCREENS, GATES, ETC**

**45 x 45 x 1.6mm Mild steel square tubing frame consist of 7mm mesh wire welded to the frames**

7	2000 x 1800mm Mesh wire screen	No	1
8	1500 x 1800mm Mesh wire screen	No	2

**PRESSED STEEL DOOR FRAMES**

**"Durowin or Similar and approved" 1.6mm Double rebated frames suitable for half brick walls**

9	Frame for door 762 x 2032mm high	No	9
10	Frame for door 914 x 2032mm high	No	4

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11	Frame for door 813 x 2032mm high	No	2
	<u>"Durowin or Similar and approved" 1,6mm Double rebated frames suitable for one brick walls</u>		
12	Frame for door 813 x 2032mm high	No	7
13	Frame for door 914 x 2032mm high	No	1
14	Frame for door 1575 x 2032mm high	No	1
15	Frame for door 1830 x 2032mm high	No	1

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**ALUMINIUM WINDOWS, DOORS, ETC**

**AAAMSA guide**

All windows, doors, etc shall comply with and meet the minimum recommended performance requirements as set out in the General Specification for Architectural Aluminium and Glass Products (Third Edition) as published by the Association of Architectural Aluminium Manufacturers of South Africa (AAAMSA)

**Finish**

The windows, doors, etc shall be natural anodised to a thickness of 25 micron and shall comply with SABS 999 and 1407

**Glass**

Glazing to be with patent rubber gaskets with glazing beads and comply with BS 952. Thickness of glass shall be in accordance with table 1 (Part N : Glazing ). Safety glass shall comply with SABS 1263. The National Building Regulations shall be observed with regard to the specification of safety glass

**Design indemnity**

The contractor is to submit with his tender the "Form of Indemnity", annexed to this document, fully completed and signed

**Drawings**

Tenderers are referred to architect's drawings annexed to these bills of quantities for full details of windows, doors, etc

**Pricing.**

All window prices should include aluminium louvres as shown

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**General**

Workshop drawings to be approved by the architect before manufacture

**Ironmongery**

Prices for windows shall allow for two standard stainless steel side/top hung friction hinges and one bronze anodised aluminium handle per opening sash. Prices for doors shall allow for two pairs of standard flush bolts to double doors and one-and-a-half pairs of standard hinges per door leaf.

**BRONZE ANODISED ALUMINIUM LOUVRE UNITS**

16	Louvre unit for 1244 x 1240mm high (CW12)	No	8	
17	Louvre unit for 2000 x 2000mm high (Type 09)	No	2	

**ALUMINIUM WINDOWS, DOORS, ETC**

**Charcoal purpose made aluminium 340 aluminium windows, doors, etc including sub-frames, fixing, silicone sealant all round, ironmongery and glazed with 6mm GSA SmartGlass™ ArmourLam™ Clear toughened laminated safety glass, complying with SANS 1263 Part 1, 2 or 3 with name of the manufacturer permanently marked on each sheet visible after glazing, glazed in accordance with NBR N schedule 1 and SABS 0137 and signed off by a competent structures or glazing specialist. Glass Properties :• Shading Coefficient = 0,47 to 0,70• Light Transmission Level = 61 to 95**

18	Window size 600 x 600mm high (Type 06)	No	8	
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19	Window size 600 x 900mm high (Type 05)	No	4	
20	Window size 900 x 900mm high (Type 01)	No	16	
21	Window size 1500 x 900mm high (Type 02)	No	4	
22	Window size 1 840 X 2 307mm high (CW4)	No	2	
23	Window size 2 257 X 2 721mm high (CW5)	No	2	
24	Window size 2 400 X 1 200mm high (Type 07)	No	1	
25	Window size 1 790 X 890mm high, with one panel sliding (Type 08)	No	1	
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Charcoal purpose made aluminium 340 aluminium windows, doors, etc including sub-frames, fixing, silicone sealant all round, ironmongery and glazed with 6mm GSA SmartGlass™ ArmourLam™ Clear toughened laminated safety glass, complying with SANS 1263 Part 1, 2 or 3 with name of the manufacturer permanently marked on each sheet visible after glazing, glazed in accordance with NBR N schedule 1 and SABS 0137 and signed off by a competent structures or glazing specialist. Glass Properties :• Shading Coefficient = 0,47 to 0,70• Light Transmission Level = 61 to 95

26	Purpose made aluminium shopfront size 1 105 x 6 412mm high (CW9)	No	2
27	Purpose made aluminium shopfront consist of 2 435 x 907mm and 2 437 x 2 718mm high(CW6)	No	2
28	Purpose made aluminium shopfront with an overall size 3 068 x 1 131mm high consisting of two panels of 1 484 x 1 131mm high (CW7)	No	2
29	Purpose made aluminium shopfront size 4 616 x 2 422mm high (CW10)	No	2

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30	Purpose made aluminium shopfront size 4 804 x 2 307mm high (CW8)	No	2		
31	Purpose made aluminium shopfront size 4 869 x 2 781mm high (CW7)	No	2		
32	Purpose made aluminium shopfront size 4 870 x 3 486mm high (CW2)	No	2		
33	Purpose made aluminium shopfront size 4 881 x 3 486mm high including 1 628 x 2 615mm double door(CW3)	No	2		
34	Purpose made aluminium shopfront with an overall size 7 062 x 880mm high consisting of six panels of 1 094 x 880mm high (CW14)	No	2		
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35	Purpose made aluminium shopfront with an overall size 8 978 x 1 129mm high consisting of three panels of 1 716 x 1 129mm high and two panels of 1 715 x 1 129mm high (CW13)	No	2	
36	Purpose made aluminium shopfront with an overall size 10 653 x 1 240mm high consisting of eight panels of 1244 x 1 240mm high (CW12)	No	2	
	<p><b><u>Charcoal purpose made aluminium 340 aluminium windows, doors, etc including sub-frames, fixing, silicone sealant all round, ironmongery and glazed with 6mm GSA SmartGlass™ ArmourLam™ Clear toughened laminated safety glass, complying with SANS 1263 Part 1, 2 or 3 with name of the manufacturer permanently marked on each sheet visible after glazing, glazed in accordance with NBR N schedule 1 and SABS 0137 and signed off by a competent structures or glazing specialist. Glass Properties :- Shading Coefficient = 0,47 to 0,70• Light Transmission Level = 61 to 95</u></b></p>			
37	Purpose made aluminium door overall size 1 694 x 2 672mm high (Type K)	No	2	
38	Purpose made aluminium door overall size 2 257 x 3 486mm high and including 872mm high fanlight(CW1)	No	2	
	<b>Carried to Collection</b>			R
	Section No. 2 Building Work Bill No. 11 Metalwork			
	<b>DEPARTMENT OF PUBLIC WORKS, ROADS AND INFRASTRUCTURE</b>			

39 Purpose made aluminium rolling sliding folding door overall size 4 616 x 2 400mm high, 6-panel bottom with locks and pull handles to suit opening size 4800 x 2400mm high, able to meet the mechanical performance requirements of sans 613 for wind loads of up to 1000pa, with surfaces to receive 60-80#m charcoal powder coating, supplied by a manufacturer complying with sans 1578 and applied in accordance with sans 1796 by an approved applicator, plugged and screwed to brickwork or concrete

No 2

40 Purpose made aluminium 4 804 x 2 400mm high, 6-panel bottom rolling sliding folding door with locks and pull handles to suit opening size 4800 x 2400mm high, able to meet the mechanical performance requirements of sans 613 for wind loads of up to 1000pa, with surfaces to receive 60-80#m charcoal powder coating, supplied by a manufacturer complying with sans 1578 and applied in accordance with sans 1796 by an approved applicator, plugged and screwed to brickwork or concrete

No 2

**Carried to Collection**

Section No. 2  
 Building Work  
 Bill No. 11  
 Metalwork

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

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**BILLS OF QUANTITIES**  
**CONSTRUCTION OF NEW KITCHEN AND CANTEEN**  
**LIMPOPO TRAFFIC TRAINING COLLEGE**  
**LDPWRI-B/20285**

Section No. 2

Building Work

Bill No. 11

Metalwork

**COLLECTION**

Total Brought Forward from Page No.

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95

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97

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**Carried Forward to Summary of Section No. 2**

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 Building Work  
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 Metalwork

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

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Item  
No

**SECTION NO 2**

**BILL NO. 12**

**STRUCTURAL STEELWORK**

**SUPPLEMENTARY PREAMBLES**

**Descriptions**

Descriptions of bolts shall be deemed to include nuts and washers

Descriptions of L-shaped and U-shaped anchor bolts shall be deemed to include bending, threading, nuts and washers and embedding in concrete

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

Descriptions of L-shaped and U-shaped anchor bolts shall be deemed to include bending, threading, nuts and washers and embedding in concrete. Where anchor bolts are described as embedded in sides or soffits of concrete it shall be deemed to include holes through formwork.

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

Carried to Collection

Section No. 2  
 Building Work  
 Bill No. 12  
 Structural Steel

DEPARTMENT OF PUBLIC WORKS, ROADS AND INFRASTRUCTURE

	Quantity	Rate	Amount
R			

**STEEL COLUMNS AND BEAMS**

**Welded columns including 254 x 254 x 73mm thick steel base bolted to concrete**

1	254 x 254 x 73mm x 72.9kg/m I-section colums	t	7.51
2	254 x 254 x 167mm x 72.9kg/m I-section colums	t	11.28

**Welded columns including 100 x 100 x 3mm thick steel base bolted to concrete**

3	100 x 100 x 3mm x 8.89kg/m hollow-section colums	t	2.46
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**Bolts to columns, beams, etc**

4	20mm Diameter holding down bolt approximately 400mm long with 70 x 70x 12mm thick plate at bottom and embedded in concrete.	No	44
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**STEEL TRUSSES ETC**

5	Construction of double pitched steel roof structure with two hipped ends approximately 432m2	No	1
6	Construction of double pitched steel roof structure with two hipped ends approximately 148m2	No	1

**ROOF AND WALL INSULATION**

**"Sisalation 420" heavy industrial grade aluminium foil based insulation**

7	Insulation laid taut over purlins (at approximately 7mm centres) and fixed concurrent with roof covering including galvanised steel straining wires	m2	638
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Carried to Collection

Section No. 2  
 Building Work  
 Bill No. 12  
 Structural Steel

DEPARTMENT OF PUBLIC WORKS, ROADS AND INFRASTRUCTURE

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Section No. 2 Building Work Bill No. 12 Structural Steel <b><u>COLLECTION</u></b> Total Brought Forward from Page No.	102 103	
<b>Carried Forward to Summary of Section No. 2</b> Section No. 2 Building Work Bill No. 12 Structural Steel <b>DEPARTMENT OF PUBLIC WORKS, ROADS AND INFRASTRUCTURE</b>		R

Item No		Quantity	Rate	Amount
	<b><u>SECTION NO 2</u></b>			
	<b><u>BUILDING WORK</u></b>			
	<b><u>BILL NO 13</u></b>			
	<b><u>PLASTERING</u></b>			
	<b><u>SCREEDS</u></b>			
	<b><u>Screeds on concrete</u></b>			
1	50mm Thick on floors and landings <b><u>3:1 Cement plaster screeds wood floated on concrete</u></b>	m2 472		
2	Average 50mm thick on balconies and roof slabs to falls	m2 191		
	<b><u>GRANOLITHIC</u></b>			
3	38mm Thick on floors and landings including 50mm grano skirting	m2 24		
	<b><u>INTERNAL PLASTER</u></b>			
	<b><u>Steel troweled cement plaster on brickwork</u></b>			
4	On walls	m2 1,636		
	<b><u>SPECIALIST FLOOR PLASTER</u></b>			
	<b><u>Self flow screed with accordance to manufacture specification including sanding floors and applying moisture barrier</u></b>			
5	On floors	m2 472		
Carried Forward to Summary of Section No. 2				
Section No. 2				R
Building Work				
Bill No. 13				
Plastering				
DEPARTMENT OF PUBLIC WORKS, ROADS AND INFRASTRUCTURE				

BILLS OF QUANTITIES  
 CONSTRUCTION OF NEW KITCHEN AND CANTEEN  
 LIMPOPO TRAFFIC TRAINING COLLEGE  
 LDPWRI-B/20285

Item No		Quantity	Rate	Amount
	<b><u>SECTION NO 2</u></b>			
	<b><u>BUILDING WORK</u></b>			
	<b><u>BILL NO 14</u></b>			
	<b><u>TILING</u></b>			
	<b><u>WALL TILING</u></b>			
	<b><u>200 x 200 x 10mm Glazed ceramic tiles flush pointed with tinted jointing fixed to cement plaster with plastic nosing at corners (PC R180,00/m2 Vat excl. delivered to site)</u></b>			
1	On walls	m2	237	
	<b><u>FLOOR TILING</u></b>			
	<b><u>600 x 600 x 7mm Porcelain floor tiles (PC R350,00/m2 VAT excl.) fixed with adhesive to cement screed (screed elsewhere) and flush pointed with tinted waterproof jointing compound</u></b>			
2	On floors and landings	m2	33	
	<b><u>TOILET PAPER HOLDERS ETC</u></b>			
	<b><u>"Vaal or Similar and approved" white glazed ceramic</u></b>			
3	175 x 175mm Semi-recessed toilet paper holder (Code 654010)	No	8	
4	170 x 170mm Semi-recessed white soap dish (Code 653110)	No	9	
	<b>Carried Forward to Summary of Section No. 2</b>			R
	Section No. 2 Building Work Bill No. 14 Tiling			
	<b>DEPARTMENT OF PUBLIC WORKS, ROADS AND INFRASTRUCTURE</b>			

Item  
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**SECTION NO 2**

**BUILDING WORK**

**BILL NO 15**

**PLUMBING AND DRAINAGE**

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

**SUPPLEMENTARY PREAMBLES**

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. All pipes shall be jointed and fixed strictly in accordance with the manufacturer's instructions. All pipe diameters are nominal external.

**uPVC pipes and fittings**

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

Soil, waste and vent pipes and fittings shall be solvent weld jointed or sealed with butyl rubber rings.

**Carried to Collection**

Section No. 2  
Building Work  
Bill No. 15  
Plumbing and Drainage

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

Quantity	Rate	Amount
	R	

**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.

**Gratings, covers, etc**

Gratings, covers, etc shall be manufactured by "Besaans du Plessis Foundries", unless otherwise described

**Sealing of edges**

Outer edges of sinks, basins, urinals, etc are to be sealed against adjacent surfaces with "Bayer 400F" silicone

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**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.

Copper pipes are to be installed in accordance with the latest revision of the code of Practice for Copper Plumbing soldering techniques. Flux, solder, etc to be strictly in accordance with the manufacturer's requirements with special attention to copperflux composition

**Lead pipes and traps**

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.

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**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".

**Fixing of pipes**

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

**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 manufacturer's instructions exist pipes shall be laid in accordance with clauses 5.1 and 5.2 of each of the following:

- SABS 1200L : Medium-pressure pipelines
- SABS 1200LD : Sewers
- SABS 1200LE : Stormwater drainage

Pipe trenches etc shall be backfilled in accordance with clauses 3, 5.5, 5.6, 5.7 and 7 of SABS 1200DB : 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 1200LB: Bedding (Pipes)

Unless otherwise described bedding of rigid pipes shall be class B bedding

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 Plumbing and Drainage

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

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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.

**General**

Descriptions of pipes laid in and including trenches and of inspection chambers, catchpits, etc shall be deemed to include excavation, bedding, backfilling, compaction to a minimum of 93% Modified AASHTO density and disposal of surplus material on site

Descriptions of copper service pipes and flexible connecting pipes shall be deemed to include connections to taps, cisterns, etc and to steel pipes

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

**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.

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**Waste unions**

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

Test shall include for the provision of all necessary water, etc. for and testing the whole of the plumbing services as described and in stages as deemed necessary, including chlorination, complete to the satisfaction of the principal agent and the local authority, replace defective work free of charge, including necessary re-testing and leave in perfect condition upon completion

**As-built drawings**

Where required, the contractor shall at all times keep an updated set of "as-built" drawings. At completion of the contract the contractor shall hand these drawings to the architect for reproducing onto the originals for handing over to the employer (Provision for allowance of as-built drawings elsewhere)

**RAINWATER DISPOSAL**

**Cast iron pipes**

1	80mm Diameter rainwater pipes	m	98
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**Extra over cast iron pipes for fittings**

2	80mm Elbow	No	10
3	80mm Bend	No	10
4	80mm Tee	No	10
5	80mm Junction	No	10

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**BILLS OF QUANTITIES**  
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**"Fulbore or Similar and approved" cast iron outlets**

6	Saint Gobain Pipelines South Africa 100mm 90° centre bolt side roof outlet with dome grate code 03585.	No	10	
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**SANITARY FITTINGS**

**White Vitreous China**

7	Vaal Sanitaryware 580 x 510mm concorde vanity ceramic fireclay drop-in-vanity basin colour white (Code 702703) with two taphole including integrated overflow and chainstay hole, fitted into opening in vanity top. Sealed with silicone sealant where basin rim meets vanity top.	No	16	
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8	Cobra Shelter Round wall hung basin. 495mm long x 430mm wide. 1 x prepunched tap hole in the centre of the basin. Overflow, expansion bolts & installation manual included. With round semi-pedestal [CWLPERD2-6DT01].	No	6	
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9	Cobra welcome soft close seat for wall hung toilet pan. Includes right and left damper kits and hinge kit. Compatible with Cobra Welcome wall hung toilet pan [CWLPAAWH1-6DT01]. With cobra junior Flushmaster exposed chrome flush valve (Code: FJ2-210/N). Includes: top entry, flush pipe, compression pan connector, wall flange, rubber seat buffer, and integral vacuum breaker. Sku code - COB-FJ4-203	No	7	
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10	Cobra Paraplegic welcome soft close seat for wall hung toilet pan. Includes right and left damper kits and hinge kit. Compatible with Cobra Welcome wall hung toilet pan [CWLPAWH1-6DT01]. With cobra junior Flushmaster exposed chrome flush valve (Code: FJ2-210/N). Includes: top entry, flush pipe, compression pan connector, wall flange, rubber seat buffer, and integral vacuum breaker. Sku code - COB-FJ4-203	No	2	
11	GROHE BAU URINAL top inlet flush volume 1/ including fixation set sanitary ware for installation. Urinal trap 39 732 000 (horizontal outlet) or similar approved. Junior Econo Flushmaster exposed flush valve (Code:FJ6-001), brushed chrome. Includes: 3/4 Ball-O-Stop control inlet, wall flange, additional toilet piston screw, and non-hold open feature. SANS 1240, JASWIC-listed. or similar approved	No	4	
	<b><u>"Citimetal or Similar and approved" stainless steel</u></b>			
12	Franke 1,6mm Grade 304 18/10 stainless steel FSWSB Surround wash basin (Code: 2560010), size 390 x 320 x 130mm deep with a one piece pressed bowl, 150mm splashback and 40mm waste outlet, 2No. 25 x 6mm fixing brackets bolted to wall with 4 x 6mm anchor bolts.	No	3	
13	Citimetal model DSG Drip sink, manufactured from 1,2mm grade 304(18/10) stainless steel with 100mm splashback, 40mm dia waste outlet with s/s hinge bucket grid fitted over bowl. Two 25 x 25mm s/s fixing brackets as per manufacturer. or similar approved	No	1	
14	Trendline Model 900 x 460 SEB Grade 304 18/10 polished stainless steel single end bowl drop on sink, overall size 900 x 460mm with one 350 x 460 x 140mm deep bowl, fitted onto cupboard. or similar approved.	No	1	
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<b><u>"Franke" or Similar approved</u></b>				
15	Franke 0,8mm Grade 403 17/10 stainless steel ET102 double wash trough (Code: 2560005), size 1030 x 430 x 348mm deep with sloped front, wash ridges and 40mm waste outlet, fixing lugs	No	1	
<b><u>WASTE UNIONS ETC</u></b>				
<b><u>"Cobra Watertech or Similar and approved"</u></b>				
16	38mm "Cobra 301" basin chrome plated unslotted waste and plug with chain	No	6	
<b><u>TRAPS, ETC</u></b>				
<b><u>"Cobra Watertech or Similar and approved"</u></b>				
17	40mm Chrome plated deep seal Bottle trap with outlet of 50mm PVC pipe (Code 340)	No	16	
18	40mm Shower trap including stainless steel grating	No	2	
19	Cobra Watertech exposed urinal chrome plated Junior Flushmaster flushvalve (code: FJ6-000) with non-hold open feature, wall flange and 20mm "Ball-o-Stop" control inlet.	No	4	
<b><u>"Marley or Similar and approved"</u></b>				
20	40mm Deep seal "P" or "S" trap	No	6	
<b><u>TAPS, VALVES, ETC</u></b>				
<b><u>"Cobra Watertech or Similar and approved"</u></b>				
21	"Cobra Ref. 231/350" Angle regulating valve	No	29	
22	Cobra watertech star 15mm chrome plated pillar tap (Code: 111-15) with hot and cold indices, manufactured in accordance with SANS 226:2009 Type 1 (BS 5412).	No	16	
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**BILLS OF QUANTITIES**  
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23	Stella one-hole basin mixer (Code: 3294ST/N), chrome. Includes: cast fixed outlet, chain, stay, mounting kit, and 2 1/2 female iron 400mm long flexible inlets. SANS 226 Type 2, DZR brass.	No	4	
24	Cobra Watertech 15mm chrome plated elbow action lever pillar tap (Code: NM-502-21B) with blue and red indices, manufactured in accordance with SANS 226:2009 Type 2 (BS 5412).	No	2	
25	Cobra watertech 15mm wall type sink mixer with overarm swivel outlet, CP, type 266/041/10 "NOVA" with adjustable concealed connections. or similar approved	No	1	
26	Cobra Watertech 20mm wall type bibtap type 206-20 Nova, with 20mm type 056-20 extention piece CP, 25mm long. (cold water only). or similar approved	No	1	
27	15mm 181/020/070CP shower mixer	No	2	
28	15mm 078CP shower rose	No	2	
29	15mm 027CP overhead shower arm	No	2	
30	"Cobra watertech" stella 15mm chrome plated pillar tap(Code: NM-502-21B) with blue and red indices	No	2	
<b><u>Brass</u></b>				
31	22mm Stopcock	No	1	
32	22mm Fullway gate valve	No	1	
33	22mm Non-return valve	No	1	
34	15mm 1050RB in-line strainer	No	1	
35	PA3.132 "Masterflo 1" pressure control valve with vacuum breaker	No	1	
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<b><u>"Aco System" or similar approved floor drain</u></b>				
36	Provide a sum of R300 000.00 (Three Hundred Thousand Rand) for construction of kitchen floor drain system including grease trap (including foundation)		Item	300,000.00
<b><u>WATER SUPPLIES</u></b>				
<b><u>Class 0 copper pipes</u></b>				
37	15mm Pipes	m	290	
38	22mm Pipes	m	185	
39	28mm Pipes	m	85	
<b><u>Extra over class 0 copper pipes for capillary fittings</u></b>				
40	15mm Fittings	No	15	
41	22mm Fittings	No	31	
42	28mm Fittings	No	12	
<b><u>PVC gulley</u></b>				
43	110mm Gulley trap with O, P, Q or S outlet, plain gulley head and grating, jointed to 110mm PVC pipe, including excavated for, bedding on and encasing in concrete 15 MPa / 19mm, not exceeding 0.75m deep to invert	No	4	
<b><u>Sundries</u></b>				
44	300 x 300 x 50mm Precast concrete inspection eye marker slab set in ground	No	4	
45	100mm Cast iron "ABC" cleaning eye	No	6	
46	Type 3B cast iron valve box	No	6	
<b><u>TESTING</u></b>				
47	Testing water pipe system		Item	
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<b>DEPARTMENT OF PUBLIC WORKS, ROADS AND INFRASTRUCTURE</b>				



**SOIL DRAINAGE**

**"Geberit or Similar and approved" Underground drain pipes including couplings in the running lengths**

48	110mm Pipes laid in and including trenches not exceeding 1m deep	m	250
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**Extra over Geberit pipes for fittings**

49	110mm Bend	No	8
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50	110mm Junction	No	4
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51	110mm Access junction	No	4
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**Precast concrete circular inspection chambers including precast concrete cover slabs (covers elsewhere) and channels in benching**

52	Inspection chamber 1000mm diameter exceeding 1000mm and not exceeding 1500mm deep internally	No	2
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53	Inspection chamber 1000mm diameter exceeding 1000mm and not exceeding 2000mm deep internally	No	2
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54	Double bowl precast water trough fixed to brick wall	No	2
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**Covers, etc**

55	600 x 650mm x 74kg Type 8A cast iron double seal manhole cover and frame	No	6
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**SANITARY PLUMBING**

**Extra heavy duty structured wall Geberit sewer pipes to SANS 1601**

56	50mm Pipes	m	49
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57	110mm Pipes	m	226
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**BILLS OF QUANTITIES**  
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<u>Extra over extra heavy duty structured wall Geberit sewer pipes to SANS 1601 for fittings</u>				
58	50mm Access bend	No	18	
59	110mm Access bend	No	6	
60	110mm Bend	No	4	
61	110mm Pan connector	No	7	
62	50mm BSP adaptor	No	8	
63	50mm Bend	No	4	
64	50mm Junction	No	8	
65	110mm Reducing junction	No	4	
66	110mm Access bend	No	4	
67	110mm Double junction	No	2	
68	110mm Access junction	No	7	
69	110mm "GI Two-way" vent valve	No	7	
<b><u>TESTING</u></b>				
70	Testing waste pipe system		Item	
<b><u>FIRE APPLIANCES ETC</u></b>				
<b><u>'Chubb'</u></b>				
71	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	
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(Rm) **LDPWRI-B/20285**

72 "Everyway" hose reel complete with 30m plastic hose, chromium plated stopcock, shut-off nozzle and wall bracket

No

2

**GAS CYLINDER**

73 Provide a sum of R100 000.00 (One Hundred Thousand Rand) for Supply and installation of the gas cylinders as per specifications from the Mechanical Engineer

Item

100,000.00

**Carried to Collection**

R

Section No. 2  
 Building Work  
 Bill No. 15  
 Plumbing and Drainage

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

**BILLS OF QUANTITIES**  
**CONSTRUCTION OF NEW KITCHEN AND CANTEEN**  
**LIMPOPO TRAFFIC TRAINING COLLEGE**  
**LDPWRI-B/20285**

Section No. 2

Building Work

Bill No. 15

Plumbing and Drainage

**COLLECTION**

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Section No. 2

Building Work

Bill No. 15

Plumbing and Drainage

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

R

Item  
No

**SECTION NO 2**

**BUILDING WORK**

**BILL NO. 16**

**GLAZING**

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

**MIRRORS, ETC**

**6mm Silvered float glass copper backed mirrors with polished edges, holed for and fixed with chromium plated dome capped mirror screws with rubber buffers to plugs in brickwork or concrete**

		Quantity	Rate	Amount
1	Mirror 300 x 450mm high with four brass screws	No	22	

Carried Forward to Summary of Section No. 2

Section No. 2  
 Building Work  
 Bill No. 16  
 Glazing

DEPARTMENT OF PUBLIC WORKS, ROADS AND INFRASTRUCTURE

R

Item  
No

Quantity

Rate

Amount

**SECTION NO 2**

**BUILDING WORK**

**BILL NO 17**

**PAINTWORK**

For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades as well as Engineering Specifications attached to these documents.

**SUPPLEMENTARY PREAMBLES**

**PAINTWORK, ETC TO NEW WORK ON**

**ON FLOATED PLASTER**

**Apply one coat plaster primer and two coats Plascon Double velvet**

1	On internal walls	m2	80	
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**ON SMOOTH CONCRETE**

**Apply one coat plaster primer and two coats Plascon Double velvet**

2	On concrete soffits	m2	191	
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Carried to Collection

R

Section No. 2  
 Building Work  
 Bill No. 17  
 Paintwork

DEPARTMENT OF PUBLIC WORKS, ROADS AND INFRASTRUCTURE

**ON PLASTER BOARD**

**Plascon Sure Coat Gloss Enamel to exterior new fibre cement (NW 174). 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 of Plascon Plaster Primer (UC 56) with an overcoating time of 16 hours and finish with two coats of Sure Coat Gloss Enamel (SGE) with 16 hours drying time between coats, for a maintenance cycle of 2 years in a C1 - inland environment.**

3	On fascias and barge boards	m2	21
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**ON METAL**

**One coat alkyd based universal undercoat and one coat superior quality universal enamel paint**

4	On door frames etc	m2	30
---	--------------------	----	----

5	On gates, grilles, burglar screens, balustrading, etc (both sides measured over the full flat area )	m2	34
---	--	----	----

**Spot priming defects in pre-primed surfaces with red oxide metal primer, one coat universal undercoat and two coats "Super Universal Enamel" paint (NY-1/G) on steel**

6	On structural steel columns	m2	43
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**ON TIMBER**

**Stop, fill, sand down and prepare wood surfaces. Apply one coat Plascon Wood Primer, one coat Plascon Universal Undercoat and two coats Plascon Super Universal Enamel paint**

7	On doors	m2	105
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Carried to Collection

Section No. 2  
 Building Work  
 Bill No. 17  
 Paintwork

DEPARTMENT OF PUBLIC WORKS, ROADS AND INFRASTRUCTURE

R

8	<u>Prepare and apply three coats polyurethane suede varnish, lightly sanded between applications</u> On window sills not exceeding 300 mm girth	m	32	
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**SPECIAL FINISHES**

The following paintwork is to be executed in accordance with specifications

**FINISH ON NEW WORK**

To consist of cement mortar, laid in accordance with sabs 0109-2: 1992 and not less than 30mm thick. Surface of the substrate to be wetted with cement slurry before is applied. Screed to be finished to a true and even surface with a steel trowel to fall / drain outlets.

9	On floors	m2	875	
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Apply two component epoxy resin based paint in accordance with manufactures specifications to mechanically sound plaster. Plaster to have a moisture content of less than 5% and be acid etched prior to application of first coat. Application is to be carried out by a specialist sub-contractor approved by the supplier of the epoxy coating. Plaster to be checked for moisture content prior to application and confirmation of receipt of this to be supplied to the architects before any epoxy coatings are applied

10	On walls	m2	1,399	
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Carried to Collection

Section No. 2  
 Building Work  
 Bill No. 17  
 Paintwork

DEPARTMENT OF PUBLIC WORKS, ROADS AND INFRASTRUCTURE

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Section No. 2

Building Work

Bill No. 17

Paintwork

**COLLECTION**

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Section No. 2

Building Work

Bill No. 17

Paintwork

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

R

**BILLS OF QUANTITIES**  
**CONSTRUCTION OF NEW KITCHEN AND CANTEEN**  
**LIMPOPO TRAFFIC TRAINING COLLEGE**  
**LDPWRI-B/20285**

2014  
 0210

Bill No	Section No. 2 Building Work	Page No	Amount
<b><u>SECTION SUMMARY - Building Work</u></b>			
1	Demolitions	48	
2	Alterations	52	
3	Foundations	59	
4	Concrete, Formwork and Reinforcement	64	
5	Masonry	68	
6	Waterproofing	71	
7	Roof Coverings, etc	75	
8	Capentry and Joinery	78	
9	Ceilings, Partitions and Access Flooring	82	
10	Ironmongery	90	
11	Metalwork	101	
12	Structural Steel	104	
13	Plastering	105	
14	Tiling	106	
15	Plumbing and Drainage	121	
16	Glazing	122	
17	Paintwork	126	
	<b>Carried to Final Summary</b>		R
	Section No. 2 Building Work		
	<b>DEPARTMENT OF PUBLIC WORKS, ROADS AND INFRASTRUCTURE</b>		

Item  
No

Quantity

Rate

Amount

**SECTION NO. 3**

**EXTERNAL WORK**

**BILL NO. 1**

**EARTHWORKS (PROVISIONAL)**

For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades as well as Engineering Specifications attached to these documents.

**EARTHWORKS (PROVISIONAL)**

**SUPPLEMENTARY PREAMBLES**

**NOTE**

All earthworks shall comply with the requirements of the latest relevant SABS 1200 Specifications: 1200C; 1200D;1200DM

**Nature of ground**

The nature of the ground is assumed to be gravel, therefore "earth", but possibly interspersed with soft rock

**Carried to Collection**

R

Section No. 3  
External works  
Bill No. 1  
Bulk Earthworks

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

**Specific Requirements of imported G6 material**

The imported material must conform to the following criteria:

- (1) Minimum CBR at 93% Mod. AASHTO Density: 15
- (2) Minimum swell at 100% Mod. AASHTO Density: 1,5%
- (3) Maximum PI: 12
- (4) Maximum size particles in material: 63mm
- (5) Grading modulus:  $2,7 \geq GM \geq 0,75$

**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

**SITE CLEARANCE, ETC.**

**Site clearance**

1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc	m2	3,000
2	Rip and scarify ground level to a depth of 200mm and consolidate to 93% mod. AASHTO density	m2	3,000

**BULK EXCAVATION, FILLING, ETC**

**Open face excavation in earth over sloping site**

3	Open face excavation	m3	2,850
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**Extra over bulk excavation in earth for excavation in**

4	Soft rock	m3	285
5	Hard rock	m3	143

**Carried to Collection**

R

Section No. 3  
 External works  
 Bill No. 1  
 Bulk Earthworks

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

BILLS OF QUANTITIES  
 CONSTRUCTION OF NEW KITCHEN AND CANTEEN  
 LIMPOPO TRAFFIC TRAINING COLLEGE  
 LDPWRI-B/20285

<b><u>Extra over all excavations for carting away</u></b>				
6	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	428	
<b><u>Risk of collapse of excavations</u></b>				
7	Sides of trench and hole excavations not exceeding 1 500mm deep	m2	57	
<b><u>Keeping excavations free of water</u></b>				
8	Keeping excavations free of all water other than subterranean water		Item	
<b><u>Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 93% Mod AASHTO density</u></b>				
9	Under floors, steps, paving, etc  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	m3	2,422	
<b><u>Earth filling (G5 material in accordance with SANAS approved 1200 DM) supplied by the contractor compacted to 95% Mod AASHTO density in layers not exceeding 150mm thick</u></b>				
10	Under floors, steps, pavings, etc	m3	450	
<b><u>Earth filling (C4 material in accordance with SANAS approved 1200 DM) supplied by the contractor including 3% 32,50 BV cement and compacted to 97% mod. AASHTO density in layers not exceeding 150mm thick</u></b>				
11	Backfilling to trenches, holes, etc	m3	450	
Carried to Collection				R
Section No. 3 External works Bill No. 1 Bulk Earthworks				
DEPARTMENT OF PUBLIC WORKS, ROADS AND INFRASTRUCTURE				



BILLS OF QUANTITIES  
 CONSTRUCTION OF NEW KITCHEN AND CANTEEN  
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Section No. 3

External works

Bill No. 1

Bulk Earthworks

**COLLECTION**

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Section No. 3

External works

Bill No. 1

Bulk Earthworks

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

Item No		Quantity	Rate	Amount
	<b><u>SECTION NO. 3</u></b>			
	<b><u>EXTERNAL WORKS</u></b>			
	<b><u>BILL NO. 2</u></b>			
	<b><u>APRONS AROUND BUILDINGS</u></b>			
	<b><u>SITE CLEARANCE, ETC.</u></b>			
	<b><u>Site clearance</u></b>			
1	Rip and scarify ground level to a depth of 200mm and consolidate to 93% mod. AASHTO density	m2	200	
	<b><u>Compaction of surfaces</u></b>			
2	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	200	
	<b><u>15 MPa/20 mm concrete</u></b>			
3	Aprons cast in panels to falls	m3	18	
4	Stormwater channel cast in panels	m3	54	
	<b><u>Finishing top surfaces of concrete smooth with a wood float</u></b>			
5	Aprons to falls	m2	200	
	<b><u>Grooves, channels, mortices, sinkings, etc. in concrete</u></b>			
6	Segmental channel with radius 290mm minimum depth of 100mm on top of concrete	m	200	
	<b>Carried to Collection</b>			R
	Section No. 3 External works Bill No. 2 Aprons and Ramps			
	<b>DEPARTMENT OF PUBLIC WORKS, ROADS AND INFRASTRUCTURE</b>			



**Smooth formwork to sides**

7 Edges, risers, ends and reveals not exceeding 300mm high or wide

m

600

**Carried to Collection**

R

Section No. 3  
 External works  
 Bill No. 2  
 Aprons and Ramps

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

**BILLS OF QUANTITIES**  
**CONSTRUCTION OF NEW KITCHEN AND CANTEEN**  
**LIMPOPO TRAFFIC TRAINING COLLEGE**  
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Section No. 3

External works

Bill No. 2

Aprons and Ramps

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Section No. 3

External works

Bill No. 2

Aprons and Ramps

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

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BILLS OF QUANTITIES  
 CONSTRUCTION OF NEW KITCHEN AND CANTEEN  
 LIMPOPO TRAFFIC TRAINING COLLEGE  
 LDPWRI-B/20285

Item No		Quantity	Rate	Amount
	<b><u>SECTION NO. 3</u></b>			
	<b><u>EXTERNAL WORKS</u></b>			
	<b><u>BILL NO. 3</u></b>			
	<b><u>COVERED WALKWAYS, ETC</u></b>			
	For preambles see "Specification of materials and methods to be used - PW 371"			
	<b><u>Excavation in earth not exceeding 2m deep</u></b>			
1	Trenches	m3	317	
	<b><u>Extra over trench and hole excavations in earth for excavation in</u></b>			
2	Soft rock	m3	32	
3	Hard rock	m3	16	
	<b><u>Extra over all excavations for carting away</u></b>			
4	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	159	
	<b><u>Risk of collapse of excavations</u></b>			
5	Sides of trench and hole excavations not exceeding 1,5m deep	m2	396	
	<b><u>Keeping excavations free of water</u></b>			
6	Keeping excavations free of water		Item	
	<b>Carried to Collection</b>			R
	Section No. 3 External works Bill No. 3 Covered Walkways			
	<b>DEPARTMENT OF PUBLIC WORKS, ROADS AND INFRASTRUCTURE</b>			

BILLS OF QUANTITIES  
 CONSTRUCTION OF NEW KITCHEN AND CANTEEN  
 LIMPOPO TRAFFIC TRAINING COLLEGE  
 LDPWRI-B/20285

<b><u>Earth filling obtained from the excavations and/or prescribed stock piles on site, compacted to 93% Mod AASHTO density</u></b>			
7	Under floors, steps, pavings, etc	m3	59
8	Backfilling to trenches, holes, etc	m3	158
<b><u>Earth filling of C4 material supplied by the contractor, compacted to 93% Mod AASHTO density</u></b>			
9	Under floors, steps, pavings, etc	m3	59
<b><u>Compaction of surfaces</u></b>			
10	Compaction of ground surface under floors etc, including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% Mod AASHTO density	m2	396
11	Allow for compaction tests as required by the Engineer		Item
<b><u>Soil insecticide to be executed with SABS compliance by a firm of specialists under a 10 year guarantee</u></b>			
12	Under floors etc, including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m2	396
13	To bottoms and sides of trenches etc	m2	713
<b><u>25MPa/20mm concrete</u></b>			
14	Strip footings	m3	95
<b><u>Brickwork of NFX bricks (14 MPa nominal compressive strength) in class 1 mortar</u></b>			
15	One brick walls	m2	277
Carried to Collection			R
Section No. 3 External works Bill No. 3 Covered Walkways			
DEPARTMENT OF PUBLIC WORKS, ROADS AND INFRASTRUCTURE			

**BILLS OF QUANTITIES**  
**CONSTRUCTION OF NEW KITCHEN AND CANTEEN**  
**LIMPOPO TRAFFIC TRAINING COLLEGE**  
**LDPWRI-B/20285**

<b><u>Brickwork reinforcement</u></b>					
16	150mm Wide reinforcement built in horizontally	m	1,524		
<b><u>Terracota face brick (PC Amount R 3,500.00/1000) pointed with recessed horizontal and vertical joints</u></b>					
17	Extra over brickwork for face brickwork, in foundations	m2	67		
<b><u>25Mpa/20mm concrete</u></b>					
18	Surface beds cast in panels on waterproofing	m3	36		
19	Aprons cast in panels on waterproofing	m3	36		
<b><u>Finishing top surfaces of concrete smooth with a wood float/steel trowel</u></b>					
20	Surface beds, slabs, etc	m2	396		
21	Aprons to falls	m2	396		
<b><u>High tensile steel reinforcement to structural concrete work</u></b>					
22	12mm Diameter bars	t	3.50		
23	10mm Diameter bars	t	4.02		
<b><u>Expansion joints with softboard between vertical concrete and brick surfaces</u></b>					
24	15mm Joints not exceeding 300mm high along edges of surface beds	m	178		
<b><u>Fabric reinforcement</u></b>					
25	Type 193 fabric reinforcement in concrete slabs etc	m2	396		
<b>Carried to Collection</b>					
Section No. 3 External works Bill No. 3 Covered Walkways					
<b>DEPARTMENT OF PUBLIC WORKS, ROADS AND INFRASTRUCTURE</b>					

**FACE BRICKWORK**

**Face bricks Type A (PC sum of R 6000.00 / 1000 VAT  
 excl. supply and delivered to site) pointed with  
 recessed horizontal and vertical joints**

26	Extra over brickwork for face brickwork	m2	67	
	<b><u>Brick-on-edge header course copings, sills, etc of          "Terracota face brick (PC Amount R 3,500.00/1000)"          face bricks pointed with recessed joints on all          exposed faces</u></b>			
27	Copings on top of one brick walls pointed on top and both sides	m	396	
	<b><u>One layer of 375 micron "Tarkon Black DPC"          embossed damp proof course</u></b>			
28	In walls	m2	91	
29	Under surface beds	m2	396	

**PROFILED METAL SHEETING AND  
 ACCESSORIES**

**0,58mm "Brownbuilt Klip-Lok 700" heavy industrial  
 spelter troughed sheet steel with "Globalcoat" finish  
 one side, fixed to timber purlins complete under a  
 five year guarantee by an approved firm of  
 specialists, all in accordance with the materials  
 supplied and methods employed by the  
 manufacturer**

30	Roof coverings with pitches not exceeding 25 degrees	m2	505	
	<b><u>Welded columns, bearers, purlins, etc</u></b>			
31	100 x 100 x 3mm x 8.8Kg/m Hollow section columns with bottom end welded with and including 200 x 200 x 3mm base plate embedded into concrete 255mm deep	m	427.20	

Carried to Collection

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Section No. 3  
 External works  
 Bill No. 3  
 Covered Walkways

DEPARTMENT OF PUBLIC WORKS, ROADS AND INFRASTRUCTURE

BILLS OF QUANTITIES  
 CONSTRUCTION OF NEW KITCHEN AND CANTEEN  
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32	100 x 100 x 3mm x 8.8Kg/m Hollow section beam welded to the columns	m	178.00
33	100 x 50 x 20 x 2,5mm Cold rolled lipped channel	m	594.00
34	25 x 50mm MS square sections	m	2,772
	<b><u>Prepare, etc. as specified and apply Bituseal</u></b>		
35	On pipe columns	m2	27
	<b><u>One coat red oxide metal primer, one coat universal undercoat and two coats "Super Universal Enamel" paint (NY-1/G) on steel</u></b>		
36	Columns	m2	253

Carried to Collection

Section No. 3  
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DEPARTMENT OF PUBLIC WORKS, ROADS AND INFRASTRUCTURE

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Section No. 3

External works

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Covered Walkways

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External works

Bill No. 3

Covered Walkways

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

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Item  
No

**SECTION NO 3**

**EXTERNAL WORKS**

**BILL NO 4**

**PARKING AND PAVINGS**

Materials and workmanship must be in accordance to the following SABS 1200 specifications:

- C - Site clearance
- D - Earthworks
- DM - Earthworks (Roads, subgrade)
- M - Roads (General)
- ME - Sub-base
- MF - Base
- MK - Kerb and Channeling
- MM - Ancillary Roadworks

**EARTHWORKS**

**Excavations**

**Site clearance**

Item No	Description	Quantity	Rate	Amount
1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc for paving and bulk site clearance	m2	1,250	
2	Rip and scarify ground level to a depth of 150mm and consolidate to 90% mod. AASHTO density (minimum CBR 3)	m2	1,250	
3	Excavate in pickable earth to reduce ground level below paving and set aside for later use	m3	750	
4	Ditto, but cart away excavated material to a dumping place to be found by the contractor (cut to spoil)	m3	563	

Carried to Collection

R

Section No. 3  
 External works  
 Bill No. 4  
 Paving and Carports

DEPARTMENT OF PUBLIC WORKS, ROADS AND INFRASTRUCTURE

**BILLS OF QUANTITIES**  
**CONSTRUCTION OF NEW KITCHEN AND CANTEEN**  
**LIMPOPO TRAFFIC TRAINING COLLEGE**  
**LDPWRI-B/20285**

5	Extra over excavation for excavation in soft rock	m3	75
6	Ditto, but in hard rock	m3	38
<b><u>Earth filling supplied by the contractor under pavings etc</u></b>			
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	Over site of G5 material in accordance with SABS 1200 DM compacted to 95% Mod AASHTO density	m3	375
8	150mm Imported G7 material compacted to 95% mod. AASHTO density	m3	375
9	150mm Imported C4 material with and including 3% 32,50 BV cement and consolidated to 97% mod. AASHTO density	m3	188
<b><u>Compaction of surfaces</u></b>			
10	Compaction of ground surface under parking areas etc by wetting and compacting	m2	1,250
11	Compaction of ground surface under pavings etc, including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% Mod AASHTO density	m2	1,250
<b><u>Prescribed density tests on filling</u></b>			
12	In-situ dry density (sand replacement) test in accordance with method A10 (a) of TMH 1	No	10

**Carried to Collection**

Section No. 3  
 External works  
 Bill No. 4  
 Paving and Carports

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

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**BILLS OF QUANTITIES**  
**CONSTRUCTION OF NEW KITCHEN AND CANTEEN**  
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13	25mm Thick layer clean, dry, riversand layer treated with an approved weed killer at the rate of 50 grams per square metre, spread and levelled to receive paving blocks (elsewhere measured)	m2	1,250	
14	Tests to determine the degree of compaction, etc of ground filling	No	10	

**PAVING**

**Interlocking Pavings**

15	80mm Thick double interlocking (DZZ) precast grey coloured concrete paving blocks laid in a herringbone pattern on and including 25mm sand founding layer and covered with sandlayer and sweep into joints	m2	1,250	
16	Circular cutting to paving	m	85	

**Kerbs, etc**

17	Precast concrete figure 7 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	205	
18	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	65	

**Sundries**

19	Mass concrete (25MPa) in 300 x 150mm edge filler strip finished smooth on top with a wood float, including all excavation, formwork, etc	m	6	
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**Carried to Collection**

R

Section No. 3  
 External works  
 Bill No. 4  
 Paving and Carports

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

<b><u>PAINTWORK</u></b>				
<b><u>Prepare and paint one coat reflective road marking paint on concrete paving block surfaces</u></b>				
20	Lines 100mm wide	m	45	
21	Disable persons pictorial 1000mm high	No	1	
<b><u>Sign Faces with Painted or Galvanised (as stated) Background, with Painted Symbols, Characters, Legend and Borders, and with Signboardings Constructed from:</u></b>				
<b><u>Sign Supports supplied and installed including excavations, backfilling, concrete, disposal, etc</u></b>				
22	Steel tubing 76mm diameter x 2,5mm thick CHS sections 3m long, with two coats bitumen tar below ground and zinc phosphate primer and two coats metal paint above ground	No	1	
<b><u>CARPORTS</u></b>				
<b><u>Excavation in earth not exceeding 2m deep</u></b>				
23	Holes	m3	19	
<b><u>Extra over all excavations for carting away</u></b>				
24	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	11	
<b><u>Risk of collapse of excavations</u></b>				
25	Sides of trench and hole excavations not exceeding 1,5m deep	m2	43	
<b><u>Keeping excavations free of water</u></b>				
26	Keeping excavations free of water		Item	
<b>Carried to Collection</b>				R
Section No. 3 External works Bill No. 4 Paving and Carports				
<b>DEPARTMENT OF PUBLIC WORKS, ROADS AND INFRASTRUCTURE</b>				

BILLS OF QUANTITIES  
 CONSTRUCTION OF NEW KITCHEN AND CANTEEN  
 LIMPOPO TRAFFIC TRAINING COLLEGE  
 LDPWRI-B/20285

	<b><u>Earth filling obtained from the excavations and/or prescribed stock piles on site, compacted to 93% Mod AASHTO density</u></b>			
27	Backfilling to trenches, holes, etc	m3	8	
28	Allow for compaction tests as required by the Engineer		Item	
	<b><u>Soil insecticide to be executed with SABS compliance by a firm of specialists under a 10 year guarantee</u></b>			
29	To bottoms and sides of trenches etc	m2	53	
	<b><u>25MPa/20mm concrete</u></b>			
30	Column bases (Provisional)	m3	19	
	<b><u>0.5mm thick light industrial "Klip-Lok 406" Z275 spelter galvanised steel sheeting with Classiccoat finish to one side and half coat Classiccoat Grey other side and accessories fixed to steel purlins or rails</u></b>			
31	Roof coverings with pitches not exceeding 25 degrees	m2	576	
	<b><u>Steel structure to carport</u></b>			
32	150mm Diameter x 3mm x 8.9kg/m Hollow section	t	5.76	
	<b><u>Spot priming defects in pre-primed surfaces with red oxide metal primer, one coat universal undercoat and two coats "Super Universal Enamel" paint (NY-1/G) on steel</u></b>			
33	On members of lattice columns and beams	t	6	
	<b>Carried to Collection</b>			R
	Section No. 3 External works Bill No. 4 Paving and Carports			
	<b>DEPARTMENT OF PUBLIC WORKS, ROADS AND INFRASTRUCTURE</b>			

**BILLS OF QUANTITIES**  
**CONSTRUCTION OF NEW KITCHEN AND CANTEEN**  
**LIMPOPO TRAFFIC TRAINING COLLEGE**  
**LDPWRI-B/20285**

Section No. 3

External works

Bill No. 4

Paving and Carports

**COLLECTION**

Total Brought Forward from Page No.

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145

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**Carried Forward to Summary of Section No. 3**

Section No. 3

External works

Bill No. 4

Paving and Carports

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

R

Item  
No

Quantity

Rate

Amount

**SECTION 3**

**EXTERNAL WORKS**

**BILL NO 5**

**PORTAL FRAMES**

**FOUNDATIONS**

For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades as well as Engineering Specifications attached to these documents.

**SUPPLEMENTARY PREAMBLES**

In the event of any discrepancy with the 'Model Preambles for Trades', the 'Concrete, Formwork and Reinforcement Specification' shall take precedence.

**Nature of ground**

Descriptions of excavations shall be deemed to include all ground conditions classifiable as "earth" described in "The Model Preambles for Trades 2008" and where conditions of a more difficult character are indicated these are separately measured.

Carried to Collection

R

Section No. 3  
 External works  
 Bill No. 5  
 Portal frames

DEPARTMENT OF PUBLIC WORKS, ROADS AND INFRASTRUCTURE

**Excavations**

No allowance is made for bulking in the given quantities for excavated material.

Prices of excavations are to include for putting aside excavated material to be used as filling, as well as forming excavated surfaces to falls, slopes, counters, trimming sides and stepping, levelling and ramming bottoms.

**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 stockpiles situated on the building site.

**Sizes in descriptions**

Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick

**Hollow walls etc**

Descriptions of hollow walls shall be deemed to include leaving every fifth perpend of the bottom course of the external skin open as a weep hole.

Walls in two skins described as "bagged and sealed" shall be deemed to include having the outer face of the inner skin bagged with 1:6 cement and sand mixture and sealed with two coats "Brixal" bitumen emulsion waterproofing coating.

**EXCAVATION, FILLING, ETC**

Carried to Collection

Section No. 3  
 External works  
 Bill No. 5  
 Portal frames

DEPARTMENT OF PUBLIC WORKS, ROADS AND INFRASTRUCTURE

R



BILLS OF QUANTITIES  
 CONSTRUCTION OF NEW KITCHEN AND CANTEEN  
 LIMPOPO TRAFFIC TRAINING COLLEGE  
 LDPWRI-B/20285

**Excavate in earth not exceeding 2m deep below natural, excavated or reduced ground level and depositing excavated material in stock piles on site**

1	Holes	m3	3
2	Trenches	m3	13

**Extra over trench and hole excavation in earth for excavation in**

3	Soft rock	m3	1
4	Hard rock	m3	1

**Extra over all excavations for carting away**

5	Surplus material from excavations and/or stockpiles on site to a dumping site to be located by the contractor.	m3	7
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**Risk of collapse of excavations**

6	Sides of trench and hole excavations not exceeding 1 500mm deep	m2	24
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**Keeping excavations free of water**

7	Keeping excavations free of all water other than subterranean water		Item
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**Earth filling (G6 material in accordance with SANAS approved 1200 DM) supplied by the contractor compacted to 95% Mod AASHTO density in layers not exceeding 150mm thick**

8	Under floors, steps, pavings, etc	m3	21
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**Earth filling (G5 material in accordance with SANAS approved 1200 DM) supplied by the contractor compacted to 95% Mod AASHTO density in layers not exceeding 150mm thick**

9	Under floors, steps, pavings, etc	m3	10
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**Carried to Collection**

R

Section No. 3  
 External works  
 Bill No. 5  
 Portal frames

DEPARTMENT OF PUBLIC WORKS, ROADS AND INFRASTRUCTURE

**BILLS OF QUANTITIES  
CONSTRUCTION OF NEW KITCHEN AND CANTEEN  
LIMPOPO TRAFFIC TRAINING COLLEGE  
LDPWRI-B/20285**

<b><u>Compaction of surfaces</u></b>				
10	Compaction of ground surface under floors etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% Mod AASHTO density	m2	68	
<b><u>Prescribed density tests on filling</u></b>				
11	"Mod. AASHTO Density" test	No	5	
<b><u>SOIL POISONING</u></b>				
<b><u>Soil insecticide to be executed with SABS compliance by a firm of Specialists under a 5 year guarantee</u></b>				
12	Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m2	77	
13	To bottoms and sides of trenches etc	m2	77	
<b><u>CONCRETE</u></b>				
<b><u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u></b>				
<b><u>15MPa/20mm concrete</u></b>				
14	Surface blinding under footings and bases	m3	1	
<b><u>25MPa/19mm concrete</u></b>				
15	Strip footings	m3	4	
16	Surface beds cast in panels on waterproofing	m3	6	
17	Column Bases	m3	0.5	
<b>Carried to Collection</b>				R
Section No. 3 External works Bill No. 5 Portal frames				
<b>DEPARTMENT OF PUBLIC WORKS, ROADS AND INFRASTRUCTURE</b>				

BILLS OF QUANTITIES  
 CONSTRUCTION OF NEW KITCHEN AND CANTEEN  
 LIMPOPO TRAFFIC TRAINING COLLEGE  
 LDPWRI-B/20285

**TEST BLOCK**

18	Making and testing a set of four 150 x 150 150mm concrete strength test cubes per concrete pour, one crushed at 7 days and 3 at 26 days	No	10	
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**MOVEMENT JOINTS ETC**

**Two layers of 375 micron "Consol Plastic Brickgrip DPC" in slip joints between horizontal concrete and brick surfaces, including cement mortar bed**

19	6mm Joints not exceeding 300mm high	m	35	
----	-------------------------------------	---	----	--

Carried to Collection

R

Section No. 3  
 External works  
 Bill No. 5  
 Portal frames

DEPARTMENT OF PUBLIC WORKS, ROADS AND INFRASTRUCTURE

	<b><u>REINFORCEMENT</u></b>				
	<b><u>Mild steel reinforcement to structural concrete work</u></b>				
20	8mm Diameter bars	t	1.09		
	<b><u>High tensile steel reinforcement to structural concrete work</u></b>				
21	12mm Diameter bars	t	2.03		
22	16mm Diameter bars	t	1.89		
	<b><u>MASONRY</u></b>				
	<b><u>BRICKWORK IN FOUNDATIONS (PROVISIONAL)</u></b>				
	<b><u>Brickwork of NFX bricks (14 MPa nominal compressive strength) in class II mortar</u></b>				
23	One brick walls	m2	12		
	<b><u>BRICKWORK SUNDRIES</u></b>				
	<b><u>Brickwork reinforcement</u></b>				
24	150mm wide reinforcement built in horizontally in foundations.	m	66		
25	Extra for building brickwork to oversailing facebrick course.	m2	2		
	<b><u>BRICKWORK IN SUPER STRUCTURE</u></b>				
	<b><u>Brickwork of NFP bricks in class II mortar</u></b>				
26	One brick walls.	m2	57		
	<b><u>BRICKWORK SUNDRIES</u></b>				
	Carried to Collection				R
	Section No. 3				
	External works				
	Bill No. 5				
	Portal frames				
	<b>DEPARTMENT OF PUBLIC WORKS, ROADS AND INFRASTRUCTURE</b>				

BILLS OF QUANTITIES  
 CONSTRUCTION OF NEW KITCHEN AND CANTEEN  
 LIMPOPO TRAFFIC TRAINING COLLEGE  
 LDPWRI-B/20285

	<b><u>Brickwork reinforcement</u></b>				
27	150mm wide reinforcement built in horizontally.	m	33		
	<b><u>FACE BRICKWORK</u></b>				
	<b><u>Face bricks Type A (PC sum of R 6000.00 / 1000 VAT excl. supply and delivered to site) pointed with recessed horizontal and vertical joints</u></b>				
28	Extra over brickwork for face brickwork	m2	57		
	<b><u>Brick-on-edge header course copings, sills, etc of face bricks ( Purchase price R6 000.00 / 1000 VAT incl. delivered to site) pointed with recessed joints on all exposed faces</u></b>				
29	Coping on top of one brick wall	m	11		
	<b><u>PROFILED METAL SHEETING AND ACCESSORIES</u></b>				
	<b><u>0.58mm "Brownbuilt Klip-Lok 700" heavy industrial spelter troughed sheet steel with "Globalcoat" finish one side, fixed to timber purlins complete under a five year guarantee by an approved firm of specialists, all in accordance with the materials supplied and methods employed by the manufacturer</u></b>				
30	Roof coverings with pitches not exceeding 25 degrees	m2	45		
	<b><u>Welded columns, bearers, purlins, including painting, etc</u></b>				
31	254 x 146 x 31.30Kg/m Hollow section columns with bottom end welded with and including 200 x 200 x 3mm base plate embedded into concrete 255mm deep	m	26.16		
32	75 x 50 x 20 x 2.00 x 3.14Kg/m Cold rolled lipped channel	m	35.00		
	<b>Carried to Collection</b>				R
	Section No. 3 External works Bill No. 5 Portal frames				
	<b>DEPARTMENT OF PUBLIC WORKS, ROADS AND INFRASTRUCTURE</b>				

**BILLS OF QUANTITIES  
CONSTRUCTION OF NEW KITCHEN AND CANTEEN  
LIMPOPO TRAFFIC TRAINING COLLEGE  
LDPWRI-B/20285**

Section No. 3

External works

Bill No. 5

Portal frames

**COLLECTION**

Total Brought Forward from Page No.

148

149

150

151

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153

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**Carried Forward to Summary of Section No. 3**

Section No. 3  
External works  
Bill No. 5  
Portal frames

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

R

BILLS OF QUANTITIES  
 CONSTRUCTION OF NEW KITCHEN AND CANTEEN  
 LIMPOPO TRAFFIC TRAINING COLLEGE  
 LDPWRI-B/20285

Item No		Quantity	Rate	Amount
	<b><u>SECTION NO. 3</u></b>			
	<b><u>EXTERNAL WORKS</u></b>			
	<b><u>BILL NO. 6</u></b>			
	<b><u>STORMWATER CHANNEL</u></b>			
	<b><u>In-situ cast concrete channels</u></b>			
1	V-channel 1000mm wide x 300mm deep x 50mm thick with angles laid to falls in lengths not exceeding 1000mm on a well rammed bottom including excavations, formwork, etc	m	185	
2	Extra for angle	No	6	
3	Extra for stopped end	No	4	
	<b>Carried Forward to Summary of Section No. 3</b>			R
	Section No. 3			
	External works			
	Bill No. 6			
	Stormwater Drainage			
	<b>DEPARTMENT OF PUBLIC WORKS, ROADS AND INFRASTRUCTURE</b>			

**BILLS OF QUANTITIES**  
**CONSTRUCTION OF NEW KITCHEN AND CANTEEN**  
**LIMPOPO TRAFFIC TRAINING COLLEGE**  
**LDPWRI-B/20285**

		Page No	Amount
	Section No. 3		
	External works		
	<b><u>SECTION SUMMARY - External works</u></b>		
<b>Bill No</b>			
1	Bulk Earthworks	132	
2	Aprons and Ramps	135	
3	Covered Walkways	141	
4	Paving and Carports	147	
5	Portal frames	155	
6	Stormwater Drainage	156	
	<b>Carried to Final Summary</b>		R
	Section No. 3		
	External works		
	<b>DEPARTMENT OF PUBLIC WORKS, ROADS AND INFRASTRUCTURE</b>		



**BILLS OF QUANTITIES  
CONSTRUCTION OF NEW KITCHEN AND CANTEEN  
LIMPOPO TRAFFIC TRAINING COLLEGE  
LDPWRI-B/20285**

Item  
No

Quantity	Rate	Amount
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**SECTION 4**

**BILL NO 1**

**PROVISIONAL SUMS**

**SUPPLEMENTARY PREAMBLES**

**General**

All prime cost amounts and provisional sums are net and include for delivery to site of all articles concerned

Sub contractors will be treated as domestic sub contractors for the purpose of this contract. They shall be selected sub contractors and the main contractor will be afforded the opportunity to reject such sub contractors prior to appointment provided reasonable justification is given

**Profit**

Where stated, the contractor may allow for profit if required

**General attendance upon selected sub-contractors**

The item "Attendance" which follows each provisional sum for selected sub-contractors work, shall be deemed to cover all the contractor's costs incurred in providing free of charge to the selected sub-contractors, the following:

1. The services as in clause B7 of the Preliminaries
2. Making good in all trades and cleaning down and removal of rubbish on completion

Section No. 4  
Provisional Sums  
Bill No. 1  
Provisional items

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

**BILLS OF QUANTITIES  
CONSTRUCTION OF NEW KITCHEN AND CANTEEN  
LIMPOPO TRAFFIC TRAINING COLLEGE  
LDPWRI-B/20285**

**SIGNAGE**

1	Provide the sum of R 50,000-00 for the supply and installation of signage by the specialist	Item	50,000.00
2	Allow for profit.	Item	
3	Allow for attendance on sub-contractor	Item	

**LANDSCAPING ETC**

4	Provide the sum of R 250,000-00(Two Hundred Fifty Thousand Rand) for the supply and installation of Landscaping	Item	250,000.00
5	Allow for profit.	Item	
6	Allow for attendance on sub-contractor	Item	

**FIXED FURNITURE**

7	Provide the sum of R 500,000-00 (FiveHundred Thousand Rand) for the supply and installation of fixed furniture	Item	500,000.00
8	Allow for profit.	Item	
9	Allow for attendance on sub-contractor	Item	

**ELECTRICAL, ELECTRONICAL AND INSTALLATION**

**ELECTRICAL INSTALLATION**

10	Provide the amount of R1,800,000.00 (One Million Eight Hundred Thousand Rand) for electrical installation to the buildings and site by Specialists	Item	1,800,000.00
11	Profit	Item	
12	Attendance	Item	

**Carried to Collection**

R

Section No. 4  
Provisional Sums  
Bill No. 1  
Provisional items

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

**MECHANICAL AND KITCHEN EQUIPMENT  
INSTALLATION**

**HEATING, VENTILATION, KITCHEN EQUIPMENT  
AND AIR CONDITIONING INSTALLATION**

13	Provide the amount of R6,550,000.00 (Six Million Five Hundred Fifty Thousand Rand) for mechanical installation to the buildings and site by Specialists	Item	6,550,000.00
14	Profit	Item	
15	Attendance	Item	
<b><u>CAT LADDER</u></b>			
16	Provide the sum of 50 000,00 (fifty thousand rand) for supply and installation of the cat ladder by the specialist	Item	50,000.00
17	Allow for giving every facility to Specialists as described	Item	
18	Allow for profit on above if required	Item	
<b><u>FENCING</u></b>			
19	Provide the sum of 500 000,00 (five hundred thousand rand) for fencing service yard	Item	500,000.00
20	Allow for giving every facility to Specialists as described	Item	
21	Allow for profit on above if required	Item	
<b><u>COMMUNITY LIAISON OFFICER</u></b>			
22	Provide the sum of R 156 000-00 for the appointment of the CLO	Item	156,000.00
23	Allow for profit.	Item	
24	Allow for attendance on sub-contractor	Item	

**Carried to Collection**

R

Section No. 4  
Provisional Sums  
Bill No. 1  
Provisional items

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

**BILLS OF QUANTITIES**  
**CONSTRUCTION OF NEW KITCHEN AND CANTEEN**  
**LIMPOPO TRAFFIC TRAINING COLLEGE**  
**LDPWRI-B/20285**

**PROJECT STEERING COMMITTEE**

25	Provide a sum of R50 000,00 (Fifty Thousand Rand) for the provision of a Project Steering Committee	Item	50,000.00
26	Allow for profit on above if required	Item	
27	Allow for giving every to specialist as described	Item	

**CLERK OF WORKS**

28	Provide the sum of R 1,100,000.000 for clerk of works appointed by the principal agent	Item	1,100,000.00
29	Allow for profit.	Item	
30	Allow for attendance	Item	

**Carried to Collection**

R

Section No. 4  
 Provisional Sums  
 Bill No. 1  
 Provisional items

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

**BILLS OF QUANTITIES**  
**CONSTRUCTION OF NEW KITCHEN AND CANTEEN**  
**LIMPOPO TRAFFIC TRAINING COLLEGE**  
**LDPWRI-B/20285**

Section No. 4

Provisional Sums

Bill No. 1

Provisional items

**COLLECTION**

Total Brought Forward from Page No.

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**Carried to Final Summary**

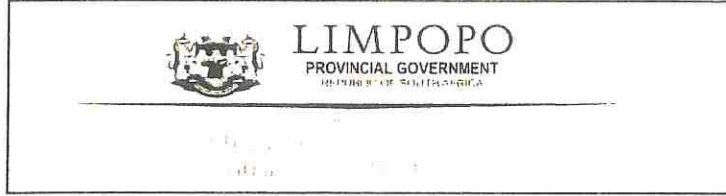
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Section No. 4  
 Provisional Sums  
 Bill No. 1  
 Provisional items

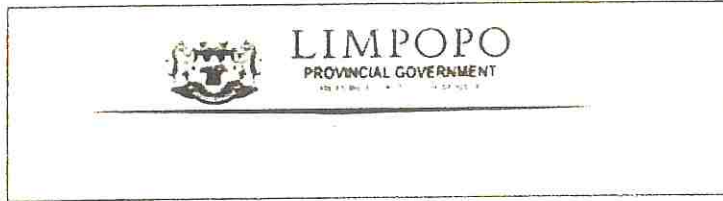
**DEPARTMENT OF PUBLIC WORKS, ROADS AND INFRASTRUCTURE**

**BILLS OF QUANTITIES  
CONSTRUCTION OF NEW KITCHEN AND CANTEEN  
LIMPOPO TRAFFIC TRAINING COLLEGE  
LDPWRI-B/20285**

Section No	<u>FINAL SUMMARY</u>	Page No	Amount
1	Preliminaries	44	
2	Building Work	127	
3	External works	157	
4	Provisional Sums	162	
	Sub-total		R
	Allow the sum of R 1 000 000. 00 NET for Contingencies to be used as directed by the Principal Agent and deducted in whole or in part if not required.	Item	1,000,000.00
	Allow the sum of R 1 500 000. 00 (One Million Five Hundred Thousand Rand) for Fluctuations in cost.	Item	1,500,000.00
	Sub-Total		R
	Add: VAT @ 15%		R
	Total:		R
	<b>Carried to Form of Tender</b>		R
	<b>DEPARTMENT OF PUBLIC WORKS, ROADS AND INFRASTRUCTURE</b>		



## **PART C3 SCOPE OF WORKS**



## **PART C3.1: SPECIAL NOTES TO BIDDERS**



**NOTES TO BIDDERS**

1. **NAMES OF PARTIES**

**Employer**

Limpopo Province Department of Transport & Community Safety  
Private Bag X9490  
POLOKWANE  
0700

Cnr. Boodenstein & Church Street  
POLOKWANE  
0699

Tel: (015) 293 0711  
Fax: (015) 293 1077

**Architects**

The Creative Axis  
P O Box 201  
MOKOPANE  
0600

40A Van Riebeck Street  
Mokopane  
0600

Tel: (015) 491 2090  
Fax: (015) 491 5979

**Quantity Surveyors/ Principal Agent**

Cubic Professional Consultants  
P.O Box 55039  
POLOKWANE  
0699

Suite No.1  
Parklane Building  
76 Hans Van Rensburg Street  
POLOKWANE  
0700

Tel: (015) 297 1762  
Fax: 086 734 5100

**Structural / Civil Engineers**

Muavha Ramollo Consulting  
P. O. Box 2386  
TZANEEN  
0850

Tel: (015) 307 7535  
Fax: 086 624 3198

**Electrical Engineers**

Pienaar & Erwee  
Postnet Suite 52  
Private Bag X9676  
Polokwane  
0700

Tel: (015) 296 3092  
Fax: (015) 296 3092

## 2. SPECIAL CONTRACT DOCUMENTS

### Note:

The clauses in these Special Contract Conditions form part of the contract requirements and shall have preference over any contradicting clauses in these Bills of Quantities, the Preliminaries and the Conditions of Contract.

### 2.1 CONTRACT DOCUMENTS

The Contract Document will consist of:

- i) The agreement shall be the JBCC Series 2000 Principal Building Agreement prepared by the Joint Building Contracts Committee (July 2007 edition) amended as hereinafter described.
- ii) Documents to be provided by the Contract in terms of the requirements of these Provisional Bills of Quantities. Where reference is made to the "sub-contract agreement" this is deemed to mean the "JBCC Series 2000 Nominated/Selected Sub-Contract Agreement" (July 2007 edition)
- iii) The JBCC Series 2000 Preliminaries prepared by the Joint Building Contracts Committee (May 2005 edition) amended as hereinafter described, shall be deemed to be incorporated herein.
- iv) Tenderers are referred to the above-mentioned documents for the full intent and meaning of each clause thereof. These clauses are hereinafter referred to by clause numbers and headings only, for which, such allowance must be made as may be considered necessary.
- v) Where standard clauses or alternatives are not entirely applicable to this contract such modifications, corrections or supplements as will apply are given as far as possible under each relevant clause. Where modifications or amendments as described are made, such modifications and/or amendments shall supersede any conflicting provision in the relevant clauses of the JBCC Series 2000 Preliminaries or the JBCC Series 2000 Principal Building Agreement and the tenderer shall make due allowance for whatever costs and charges he may consider necessary for the carrying out and observance of the provisions of the clauses as modified and / or amended
- vi) Where any clause is not relevant to this specific contract such clause is marked N/A (signifying "not applicable").
- vii) "The Model Preambles for Trades" as recommended and published by the Association of South African Quantity Surveyors – 1999 edition, shall be deemed to form part of this contract documentation. Any amendments and/or additional information is listed under the supplementary preambles at the start of each trade in the bills of quantities
- viii) **Pricing of preliminaries – The relevant clause numbers of Section A and B of the preliminaries are listed at the end of the contract preliminaries section for pricing purposes. If Alternative A as set out in clause 10 of the preliminaries 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.**
- ix) The tenderer shall allow opposite each of the items for whatever costs and charges he may consider necessary for the carrying out, complying with and due observance of the provisions, conditions and requirements set out therein.

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- x) Only priced items will be considered in respect of any adjustments of this section. Any items left un-priced will be understood to be provided for in the rates given for other items and no claim for extras arising out of the tenderer's omission to price any item will be entertained.
- xi) Notwithstanding the period stated in the JBCC form of tender, tenderers shall hold good for a period of ninety (90) calendar days from the date of closing of the tenders and shall not be altered, amended or withdrawn or withdrawn during that period

**2.2 QUERIES FROM BIDDERS**

The pages of these bills of quantities are numbered consecutively as indexed on the first page.

The Bidder shall check the numbers of the pages and should any be missing or duplicated, or the reproduction be indistinct, or if any doubt exists as to the full intent or meaning of any description or these bills of quantities contain any obvious errors, the Bidder shall notify the Accounting Officer / Quantity Surveyor at once who shall promptly give a written directive. No liability whatsoever will be admitted in respect of errors in any BID due to the abovementioned causes.

On no account should these documents be used for placing orders for materials. Bidders do so at their own risk and shall not be reimbursed for additional costs so incurred.

**2.3 ACQUAINTANCE WITH BID DOCUMENTS**

By submission of a BID, the Bidder will be deemed to have acquainted himself fully with the BID documents, local authority requirements and by-laws and all aspects of the work envisaged in the documents prior to pricing and submission of his / her BID. The employer may appoint a Principal Agent to act on his / her behalf with full authority and obligations.

**2.4 FORMS TO BE COMPLETED**

The form of BID together with its appendices must be submitted with the BID.

**2.5 SCOPE OF THE WORKS**

The work entails the erection of New Kitchen and Canteen (GBA ± 1061m<sup>2</sup>)

The buildings generally consist of:

**The scope of work generally comprises of the following.**

- Double story structure
- Concrete strip footings and bases.
- Concrete and Steel columns.
- Brick walls with face brick.
- Aluminum windows.
- Solid slabs.
- Mechanical installation.
- Electrical installation.
- Joinery fittings.
- Plumbing & drainage.

## 2.6 Employers Objectives

The objective of the project is to provide for a minimum contract participation goal (CPG) of 5% of the total project value and to develop targeted enterprises by the main or lead partner contractors.

The successful contractor shall:

1. Subcontract a minimum of 5% of the total project value to targeted enterprises;
2. develop the targeted enterprise/s in two development areas as specified in the Standard, and agreed by both the main contractor and the targeted enterprise/s
3. perform needs analysis on the targeted enterprise to identify developmental goals;
4. provide internal mentorship support to improve the targeted enterprise/s performance;
5. develop a project specific enterprise development plan to improve the targeted enterprise/s performance in the identified developmental areas;
6. monitor and report the progress of the agreed development areas with the targeted enterprise/s and
7. submit a project completion report to the Employer's representative for each targeted enterprise.

The development of the Targeted Enterprise should be guided by the CIDB Competence Standard for Contractors Gazette No. 41237, 10 November 2017. The following table outlines the minimum recognized qualifications to which development of targeted enterprises must be undertaken by the main contractor.

CIDB Grade	Minimum NQF Level	Recognised Qualifications
<b>Business Management</b>		
5 & 6	5	• National Occupational Qualification in Business Management NQF 5
2 to 4	2	• National Certificate: Construction Contracting NQF 2
<b>Building and Construction Works Management</b>		
5 & 6	5	• National Certificate: Management of Building Construction Processes NQF 5
2 to 4	3	• NCV 4: Civil Engineering and Building Construction, or • National Certificate: Supervision of Construction Processes
<b>Civil Engineering Construction Works</b>		
5 & 6	5	• National Certificate: Management of Civil Engineering Processes NQF 5, or • National Diploma: Civil Engineering and Building Diploma
2 to 4	3	• NCV 4: Civil Engineering and Building Construction or • National Certificate: Supervision of Construction Processes, or • Further Education and Training Certificate: Supervision of Construction Processes

## **PROCUREMENT**

The contractor shall appoint an **Enterprise Development Coordinator** who shall:

- a) develop a project specific Enterprise Development plan to improve the targeted enterprise's performance in the identified developmental areas and shall allocate resources to monitor progress in relation to improved performance; and
- b) submit to the employer's representative a monthly enterprise development report (Performa – ED105P) which documents all mentoring activities that have taken place during that month and the progress made in improving the targeted enterprise's performance in the agreed developmental areas, countersigned by the targeted enterprise.

### **Competence Criteria for an Enterprise Development Coordinator**

The enterprise development coordinator shall have the following competencies:

- 1.1 Minimum experience of 5 years in the construction industry at Managerial level as a Site Agent, Contracts Manager, Site Manager, Construction Manager, Business Development Manager or Enterprise Development Manager.
- 1.2 Minimum experience of 2 years in training and development in Building or Construction; and
- 1.3 National Diploma or B Degree in the Built Environment or Business Management

## **MANAGEMENT**

The contractor shall provide a competent person/s to provide internal mentorship to the Targeted Enterprise/s in the two agreed developmental areas.

### **The Format of Communications**

The contractor shall submit to the Employer's Representative:

1. Project interim reports in the specified format (ED105P) detailing interim values of the CPG that was achieved together with an assessment of the enterprise development support provided should be tabled and discussed at least monthly at progress meetings between employer's representative and the contractor;
2. Project completion report in the specified format (ED101P) to the Employer's Representative for acceptance within 15 days of achieving practical completion. The report shall include the value of the CPG that was certified in accordance with the contract, cidb registration numbers of each and every targeted enterprise, and the value of the subcontracted works or the participation parameter of the joint venture entered into; and
3. Enterprise development declaration (ED104P).

The above mentioned reports will be applicable after award of the bids.

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**2.7 Programming with direct contractors:**

Tenderers must take note that some work may be performed by independent / direct contractors that will not form part of this contract. Tenderers, however, must make provision for these installations in their in their programme and must provide all the necessary assistance to DEPARTMENT OF TRANSPORT & COMMUNITY SAFETY in completion of the said contracts.

- Data installation.
- Access control installation.
- Security installation.
- Loose furniture and installations by specialists.

**2.8 SITE**

The site is at Limpopo Traffic Training College.

**2.9 CONTRACT DOCUMENTS**

The contract documents will be the "Principal Building Agreement (July 2007 Edition)" as issued by the Joints Building Committee.

Wherever reference is made to the terms "Client or Employer" in the documents, it shall be deemed to mean. The Department of Transport and Community Safety of the Limpopo Province or any person acting in such capacity as well as any officer to whom any power vested in terms of these conditions of contract have been delegated to.

**2.10 CONFIDENTIALITY OF BID DOCUMENTS**

All the recipients of BID documents shall, whether they submit a BID or not, treat the details of these documents as confidential and their general content shall not be disclosed or discussed with third parties without the prior approval of The Department of Transport and Community Safety

**2.11 BID ALL INCLUSIVE**

The Bidder must allow in his /her BID for all labour, material, transport, handling, construction plant, temporary works, or method of construction where the method of payment allows for various methods of construction, value added tax and everything else necessary for the execution and completion of the works in accordance with the BID documents

**2.12 BILLS OF QUANTITIES**

**This Bill of Quantities is provisional and subject to be remeasured. No added costs to be entertained in this regard.**

The Contractor / Bidder is warned that should he / she use any quantities or specifications appearing in these Bills of Quantities for the purpose of ordering materials, he / she does so at his / her own risk and no liability whatsoever shall be admitted afterwards by the Employer / Department of Transport for the correctness of such quantities or specifications.

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**2.13 STAMP DUTY**

If applicable, all stamp duties in connection with the contract shall be paid by the Bidder.

**2.14 SIGNING OF BIDDERS**

The BID must be signed by a representative of the Bidder being duly authorised to do so and Bidders are to attach a company resolution.

**2.15 LODGING AND SCRUTINY OF PRICED BILLS OF QUANTITIES**

The Bidder's / Contractor's attention is specifically directed to the provision that, before the contract is signed, he / she is to submit his / her priced Bills of Quantities with conditions of contract and cast neatly in black ink for checking. The Accounting Officer / Quantity Surveyor will duly check the priced Bills of Quantities and shall make such adjustment of individual prices and rectify discrepancies as he may consider necessary. No artificial prices shall be acceptable.

**2.16 ADDITIONAL INFORMATION REQUIRED**

The Employer / Department of Transport may ask any Bidder for a clarification/s of his / her BID. Nevertheless, no Bidder will be permitted to alter his / her BID sum after the BIDs have been opened and read to other bidders, although clarification which does not change the BID may be accepted

The Employer reserves the right to appoint a firm of public accountants to report on the financial capacity of any Bidder. The Bidder shall provide all reasonable help and information in such an investigation.

All written information submitted by the Bidder together with and in support of his / her BID shall be considered to form the basis on which the BID has been prepared and submitted

**2.17 ARITHMETICAL ERRORS**

The Accounting Officer / Quantity Surveyor reserves the right to correct arithmetical or other errors in the extension of rates and totals in the BID. The Bidder will be informed of the effect of any corrections prior to the signing of the contract. In no case will the BID sum be adjusted when correcting such errors

**2.18 IMBALANCE IN BIDDED RATES**

In the event of there being any rate or rates which are declared to be unacceptable by the Accounting Officer / Quantity Surveyor for reasons which the Accounting Officer / Quantity Surveyor will indicate, the Bidder will, in terms of Rule 14, be requested to:

- a) either justify and specify rate or rates, i.e. to give a financial breakdown on how such rate or rates were obtained or calculated, or
- b) consider amending and adjusting such rate or rates while retaining the BID sum derived under Sub rule 15.a unchanged and fixed

In the event that the Accounting Officer / Quantity Surveyor requests the Bidder to adjust any unacceptable rate or rates, the Accounting Officer / Quantity Surveyor may at his / her discretion limit any such adjustment to rates in specific sections of the bills of quantities. On no account will the Accounting Officer / Quantity Surveyor permit the Bidder to use such an opportunity to re-price extensive sections of the bills of quantities, even though the BID sum remains unchanged

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**2.19 ALTERATIONS TO BID DOCUMENTS**

No unauthorised alteration or addition shall be made to the form of BID, to the bills of quantities or to any other portion of the BID documents. If any such alteration or additions is made and if the bills of quantities of not properly completed, the BID may be rejected and the Employer will not be bound to by such alterations.

**2.20 BID QUALIFICATIONS**

BIDs must be submitted strictly in accordance with the BID documents, i. e. without qualifications. Qualifications in the nature of statements of interpretation of contract documents must be avoided and any point of doubt of difficulty should be cleared with the Accounting Officer / Quantity Surveyor as early as possible during the BID period. Should any query be found to be of any influence to the BID, all other Bidders shall immediately be informed of the particulars by the Accounting Officer / Quantity Surveyor.

**2.21 COSTS INCURRED BY BIDDER**

The Employer will not be responsible to pay for expenses or losses, which may be incurred by any Bidder in the preparation of the BID or in visiting the site in connection herewith.

**2.22 BID ACCEPTANCE**

The Employer will not be bound to accept the lowest or any BID. No reason for the acceptance or rejection of any BID will be given.

**2.23 WITHDRAWAL OF BID AFTER CLOSING DATE**

The Bidder may not withdraw his BID after the time set for opening BIDs without any BID having been accepted.

Should a Bidder amend or withdraw his / her BID after the specified date and hour, but prior to his being notified of the acceptance thereof, or should a Bidder after having being notified that his / her BID has been accepted.

- (a) give notice of his / her inability to execute the contract in terms of his BID; or
- (b) fail to sign a contract or furnish the security within the period fixed in the BID conditions reflected on the form of BID or any extended period fixed by the Employee; or
- (c) fail to execute the contract;

fresh He shall pay all additional expended, damages and / or losses which the Employer may incur in calling for BIDs or by paying the difference between his / her BID and a less favourable BID accepted in terms of the provisions of the last paragraph of this term: Provided that the Employer may at its sole discretion exempt a Bidder from the provisions of this subrule if he is of the opinion that the circumstances justify the exemption.

When in circumstances mentioned in the second paragraph of this item, the Employer deems it not desirable to invite fresh BID; then the Employer may accept another BID from those already received. The provisions of Rule 2.21 above, shall again apply.

**2.24 METHOD OF MEASUREMENT**

These Bills of Quantities have been measured in accordance with the 6th Edition of the Standard System of Measuring Builders Work.

**2.25 AVAILABILITY AND SUBSTITUTIONS OF MATERIALS**



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Bidders are urged to make themselves, during BID stage, thoroughly acquainted with the availability of all materials for this project as no claim for non-availability or late delivery of materials will afterwards be recognised.

If materials specified are not available or it seems that there will be a delay of materials, then the Bidder must notify the Principal Agent at once in writing who will, at his / her own discretion, attend to the matter. Once the BIDs are handed in it will be taken that all materials as specified in these Bills of Quantities are available and will be delivered on site for completion of the project within the prescribed contract period.

Substitution will be strictly subject to the Principal Agent's approval.

The Contractor must, as far as possible, purchase materials available in the Limpopo Province, provided the quality is acceptable. Materials of an inferior quality shall under no circumstances be accepted. If the contractor cannot comply with these conditions, he must substantiate this in writing with documentary proof from suppliers.

### **2.26 PROPRIETARY TYPES AND TRADE NAMES**

Where reference is made in these Bills of Quantities to proprietary types or names, the products or materials, etc. referred to are to be exactly as described; the prior approval of the Principal Agent must be obtained for any substitution and may be the subject to a variation order.

### **2.27 SABS SPECIFICATIONS**

All reference in these Bills of Quantities to Specifications of the Bureau of Standards shall be deemed to be reference to the latest issues of such specifications, and any subsequent amendments thereto. All articles, materials or items described as to conform to the SABS Specification must bear the SABS mark where possible.

### **2.28 PERFORMANCE GUARANTEE**

Where the project is over R 2 000 000.00 then the Bidder must submit with this BID proof (by means of a letter of intent or otherwise) from his guarantor that his / her guarantor will issue the guarantee if the BID is accepted.

### **2.29 BID**

While the Employer reserves the right to accept or not accept any BID, the intention is that a BID will be accepted. The successful Bidder will be appointed as the main contractor in terms of the JBCC Series 2000 Principal Building Agreement (July 2007 Edition). Any condition submitted by Bidders which is a variance with the provisions of the main contract will not be accepted and may render the BID liable to disqualification.

The BID shall be sealed in an envelope and endorsed as per BID form and be deposited in the BID box as per the BID advert.

On no account will BIDs received after the time and date for submission of BIDs be considered and Bidders are advised that postal delays will not constitute a claim for recognition of such BIDs.

Telegraphs or telefaxed BIDs will **NOT** be considered under any circumstances.

2.30 INSPECTION OF SITE

**Compulsory site inspection will be as per advert.** Tenderers are however, urged to thoroughly inspect the site, acquaint themselves with the nature and extent of the works, the site conditions pertaining to power and water supply, transport facilities, conditions of adjacent existing buildings and also access to the site, availability of working space, etc.; before submitting their tenderers as no extra arising out of their failure.

2.31 SITE OFFICE

The contractor shall erect, maintain and take down on completion of the work a building for site meetings with a concrete floor, suitable roof, suitable walls, door and four windows, with tables and chairs (not benches), all suitable to accommodate 12 persons.

It is further a condition that all work or movement of vehicles in the vicinity of this office that create noise or nuisance during site meetings must be suspended for the duration of the site meetings.

2.32 LOCAL LABOUR

As soon as the site is handed to the Contractor, he / she will be expected to form a joint committee with the local community. This committee will ensure that all unskilled and available semi-skilled labour are employed from the community.

All labour shall apply through the committee for employment on the project and the selection of these labourers shall be made by the contractor from a list of applicants compiled by the community members on the committee.

On all labour intensive projects, at least 10% of the labourers must be employed from the local community where the project will be executed.

Labourers should be paid in accordance with the provision of the Labour Relations Act, Act 23 of 1956, and the amended Basic Conditions of Employment of 1983, or any latest available Acts.

In accordance with Government Gazette No. 16095 of 19 November 1994 wages differ for different areas.

2.33 PROCEDURE OF THE WORK

The Principal Agent reserves the right to direct the order in which the various parts of the contract will be executed should circumstances warrant such action.

2.34 VARIATIONS

Where prices are submitted by the Contractor or Nominated Sub-Contractors during the progress of the works in respect of variations or in regard to a claim under the terms of the contract and notwithstanding the fact that such prices may be used in an interim certificate, it is hereby agreed that there is to be no presumption of acceptance. Should the Principal Agent wish to accept any such prices prior to the issue of the final certificate, he will do so in writing.

2.35 PROVISIONAL WORK

Any increase or decrease of work measured provisionally will not be sufficient grounds for any

adjustments in the Bidded rates.

2.36 **MONEY PROVISIONS**

Wherever an amount for work is allowed in these Bills of Quantities under the term "Money Provision" it shall be taken that such amount is for work to be carried out by Specialists, who will be ordinary domestic sub-contractors to the main contractor.

2.37 **BORROW PITS**

It is the responsibility of the Contractor to find the necessary borrows pits for imported filling and also to ascertain the suitability and acceptability of such filling, as no claims in this regard will be entertained afterwards.

2.38 **TESTS**

It is the responsibility of the contractor to carry out his / her own tests during the contract to check the strength of concrete, mortar, etc., density of filling, etc., and only those tests as requested for by the Principal Agent will be paid for by the Client.

**These tests are compulsory.**

2.39 **CONTRACT PERIOD**

The contract period shall be 24 months (exclusive of builder's holiday) from date of site handover.

2.40 **COMPLETION OF BID DOCUMENTS**

Bidders shall ensure that all documents requiring completion are duly completed in ink, signed and witnessed in the spaces provided.

2.41 **OCCUPATIONAL HEALTH AND SAFETY**

In terms of the Occupational Health and Safety Regulations promulgated on 18 July 2003, Bidders are advised that they are required to comply fully with such regulations pertaining to this project as no claims in this regard will be entertained.

2.42 **VALUE ADDED TAX**

Value added tax must be added to the contract amount in the Final Summary and all amounts, rates, etc. in the Bills of Quantities will therefore be exclusive of value added tax.

2.43 **PRICES ALL INCLUSIVE**

The Bidder must allow in his / her BID for all labour, material, transport, handling, construction plant, temporary works, or method of construction where the method of payment allows for various methods of construction, value added tax and everything else necessary for the execution and completion of the works in accordance with the BID documents.

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**2.44 PROOF OF PAYMENT OF VALUE ADDED TAX OR ANY APPLICABLE IMPORT DUTY**

The Bidder is to provide proof that he and all his Sub-Contractors are registered at the Receiver of Revenue for VAT or any applicable import duty purposes and will submit all names of Sub-Contractors to the Employer. The Employer may submit all this information to the Receiver of Revenue.

**2.45 WORKMEN'S COMPENSATION**

The Contractor must supply monthly proof of payment of Workmen's Compensation

**2.46 CONTRACT PRICE ADJUSTMENT**

This BID will be subject to Escalation and the base month will be based on the date of tender closing.

**2.47 GENERAL NOTES**

Should the tender be awarded to the successful tenderer, the following is to be noted:

- No works shall commence until the Health & Safety Plan has been issued by the successful tenderer and has been approved by the Department of Transport representative.
- No work shall commence on site until all CAR and PL insurances are in place
- No Payment shall be made until such time as all guarantees are in place.
- **Workers employed by the contractor will not be allowed to be seen lingering around the complex.**
- **The contractor must not render any construction activities that will affect the client operation before informing the principal agent for approval thereof.**
- **The contractor's workers should be noticeable by wearing proper clothing with the company logo.**

**2.48 PAYMENT PROCEDURE**

Payment procedure in terms of this contract shall be as follows:

- Contractor to submit valuation by the 20<sup>th</sup> of the month.
- The payment shall be issued to the Department of Transport by the 7<sup>th</sup> of the following month, with payment being made by the 30<sup>th</sup> of that month.
- Every effort will be made to achieve payment earlier, but this cannot be guaranteed.
- Interest on late payment shall be charged at Prime rate.
- Payment for unfixed materials on site shall be allowed
- Payment for materials off site shall only be allowed subject to written approval by the Principal Agent, which will only be conditional upon the necessary cessions being in place and any other documentation which the Principal Agent requests.

**2.49 WORKING HOURS**

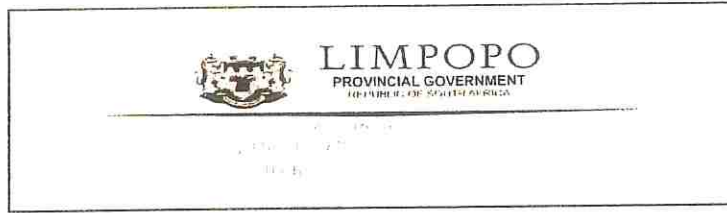
Works on a Sunday will ONLY be permitted, subject to approval by the Principal Agent in writing, on the proviso that works are stopped by 15H00.

**2.50 INFORMATION RELEVANT TO INSURANCES**

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The contractor will be expected to take the following insurance with deductible to be determined by the contractor. In addition to the above-mentioned insurances the contractor should take any other insurances relevant to the proper execution of the works.

- 2.50.1** Contract works – Estimated Contract Amount plus 20%.
- 2.50.2** Public Liability – R 10 000 000.00.



## **PART C3.2: OHS SPECIFICATIONS**

**OCCUPATIONAL HEALTH & SAFETY SPECIFICATION**

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## 1. Introduction

In terms of the Construction Regulations promulgated under the Occupational Health and Safety Act (Act no. 85 of 1993), the Client or its Agent is required to compile an occupational health and safety specification for any intended project classified as construction work and to provide the specification to prospective tenderers.

Compliance to the requirements of the Occupational Health and Safety Act 85 of 1993 is in addition to the requirements of this Health and Safety Specification.

## 2. Definition

"Agent" –

means any person who acts as a representative for a client;

"Client" –

means any person for whom construction work is performed;

"Construction Work" is defined as any work in connection with –

- (a) the erection, maintenance, alteration, renovation, repair, demolition or dismantling of or addition to a building or any similar structure;
- (b) the installation, erection, dismantling or maintenance of a fixed plant where such work includes the risk of a person falling;
- (c) the construction, maintenance, demolition or dismantling of any bridge, dam, canal, road, railway, runway, sewer or water reticulation system or any similar civil engineering structure; or
- (d) the moving of earth, clearing of land, the making of an excavation, piling, or any similar type of work;

"Contractor" –

means an employer, as defined in Section 1 of the Act, who performs construction work and includes Principal Contractors;

"Health and Safety File" –

means a file, or other record in permanent form, containing the information required a contemplated in the regulations;

"Health and Safety Plan" –

means a documented plan which addresses hazards identified and includes safe work procedures to mitigate, reduce or control the hazards identified;

"Health and Safety Specification" –

means a documented specification of all health and safety requirements pertaining to the associated works on a construction site, so as to ensure the health and safety of persons;

**"Method Statement" –**

means a document detailing the key activities to be performed in order to reduce as reasonably as practicable the hazards identified in any risk assessment;

**"Principal Contractor" –**

means an employer, as defined in section 1 of the Act who performs construction work and is appointed by the client to be in overall control and management of a part of or the whole of a construction site;

**"Risk Assessment" –**

means a program to determine any risk associated with any hazard at a construction site, in order to identify the steps needed to be taken to remove, reduce or control such hazard.

### **3. Purpose**

The purpose of this site specific Health and Safety Specification is to address the reasonable and foreseeable aspects of occupational health, safety and environmental management which will be affected by this construction work, and to comply with legal requirements.

The Contractor must take into account all information in this specification to ensure that their tender includes adequate resource and relevant competence to carry out this construction work. The contractor must ensure that all costs related to compliance with Occupational Health Act 85 of 1993 and the Construction Regulations 2014, as well as this Health and Safety Specification, are taken into consideration at Tender stage.

### **4. Background**

Due to poor practices and high levels of reportable incidents in the past, it is required that highest levels of health and safety standards be maintained throughout the construction period. The Client, contractor and all other parties involved in this project are committed to ensure that these highest Health and Safety standards will be maintained.

### **5. Implementation**

This Health and Safety Specification forms an integral part of the Contract. Contractors shall also make it an integral part of their Contracts with their Sub Contractors. The successful Contractor will be required to compile a Health and Safety Plan based on the requirements of the Occupational Health Act 85 of 1993 and these Specifications, which will need to be approved by Client prior to commencement with construction work.

## **6. Management and Supervision of Construction Work**

### **6.1 Principal Contractor's Safety Management Plan**

The principal contractor appointed by the Client in terms of the Construction Regulations (2014) shall prepare an occupational health and safety plan adhering to the requirements contained in the provided

Health and Safety Specification. This plan shall be prepared in terms of the Occupational Health and Safety Act (Act no. 85 of 1993) and Construction Regulation (2014) and be specific to this project  
The Client and the contractor shall agree on the occupational health and safety plan before any work may commence on site.

## **6.2 Minimum contents of the Health and Safety File**

As required by the Construction Regulations (2014), the principal contractor and sub-contractor/s will each keep a project specific Health and Safety File on site containing the following minimum documentation:

- Approval letter by the Client on contents of Health and Safety Management Plan;
- Notification of construction work to the relevant Department of Labour (stamped)
- Scope of work to be performed;
- Occupational Health & Safety Policy and other Policies;
- Updated copy of the Occupational Health and Safety Act (Act no. 85 of 1993) and its Regulations.
- Updated copy of the Compensation for Occupational Injuries and Diseases Act (Act no. 130 of 1993) and its Regulations;
- Proof of registration and good standing with the Compensation Commissioner or another licensed Insurer;
- Risk Assessments
- A list of contractors (sub-contractors) including copies of the agreements between the parties and the type of work being done by each contractor;
- Copies of occupational health and safety committee meetings and other relevant minutes;
- Copies of written designations and appointments of competencies;
- Management structure (inclusive of OH&S responsibility & meeting structure);
- Induction training and site safety rules;
- Occupational health and safety training;
- Arrangements with contractors and/or mandataries;
- Description of security measures;
  - Accident and/or incident register;
  - Occupational health and safety representative inspection register;
  - Construction vehicles and mobile plan inspections;
  - Daily inspections of excavations by competent person;
  - Record of entry to confined space;
  - Record of training;
  - Record of toolbox talks
  - Inspection and maintenance of explosive powered tools;
  - Fall protection inspections;
  - First-aid box content;
  - Record of first-aid treatment;
  - Fire equipment inspection and maintenance;
  - Record of hazardous chemical substances kept and used on site;
  - Ladder inspection;

- Inspection of excavation
- Inspection of stacking and storage;
- Inspection of housekeeping and general safeguarding on construction site
- Inspection of construction employees' facilities
- Records of issuing of Personal Protective Equipment;
- Monthly reporting and recording of statistics;
- Emergency preparedness and response programmes;
- Investigation and reporting of incidents and/or accidents to the Client and Department of Labour/Compensation Commissioner
- All other applicable records.

**\*Note:** The contractor shall hand over the consolidated health and safety file to the client on completion of the construction work (include drawings, designs, materials used, etc.)

## 7. Organogram

The Contractor shall submit an organogram, prior to construction work commencement, outlining the Health and Safety Site Team that will be assigned to the project.

### 7.1 Construction Manager

The contractor must in writing appoint one full-time competent person as the construction manager with the duty of managing all the construction work on a single site, including the duty of ensuring occupational health and safety compliance, and in the absence of construction manager an alternate must be appointed by the principal contractor.

No construction manager appointed under sub regulation 8(1) may manage any construction work on or in any construction site other than the site in respect of which he or she has been appointed. A construction manager must in writing appoint construction supervisor/s responsible for construction activities and ensuring occupational health and safety compliance on the construction site.

### 7.2 Construction Supervisor

The construction supervisor and/or assistant construction supervisor/s appointed in terms of the Construction Regulations (2014) are responsible for supervising the construction work which he or she has been appointed and especially to ensure that all work undertaken complies with the requirements of the Occupational Health and Safety Act (Act no. 85 of 1993) and all other applicable legislative requirements and regulations.

**\*This construction site shall not be left without supervision.**

### **7.3 Construction Safety Officer**

The Principal contractor must appoint a **full time** construction health and safety officer in writing to assist in the control of all health and safety related aspects. The appointed Construction Safety Officer must have relevant qualifications and relevant construction safety experience.

### **8. Appointment and functions of the Safety Committee**

The principal contractor must establish an occupational health and safety committee consisting of all the designated occupational health and safety representatives together with a number of management representatives. The management representatives shall not exceed the number of occupational health and safety representatives on the committee. The members of the occupational health and safety committee must be appointed in writing.

The occupational health and safety committee must meet at least **once** per 2 months and will consider, at least, the following agenda items:

1. Opening and welcome;
2. Members present, apologies and absent;
3. Minutes of previous meeting;
4. Matters arising from the previous meeting;
5. Outcomes of previous audit and behavioural based safety inspections;
6. Incident and/or accident reports and investigations;
7. Incident, accident and/or injury statistics;
8. Health and Safety Plan (revisions and new requirements);
9. Training (awareness, competence);
10. Emergency Preparedness Plan;
11. Non-Conformances and notices;
12. Toolbox Talks;
13. Close and next meeting.

### **9. Risk Assessment**

Risk assessments shall identify occupational health and safety hazards and risks and environmental aspects and impacts emanating from this project.

The risk assessment (inclusive of impact assessment) shall include (at a minimum):

- Identification of the relevant Project with regard to Project number, Project name and area;
- Date on which risk assessments were conducted/reviewed;
- The identification of the risks/hazards and aspects/impacts to which persons may be exposed to per activity;
- An analysis and evaluation of the risks and hazards and aspects/impacts identified on a documented method;
- Existing control measures and proposed corrective measures

- A plan to review the risk assessments as the work progresses and changes are introduced;
- A documented plan and Safe Working Procedures (SWP), and its relevance to the risk assessment, to mitigate, reduce or control the risks and hazards that have been identified;
- A plan to monitor the application of the Safe Working Procedures (SWP);
- Signature of appointed competent person conducting risk assessment; and
- Signature of management and employees involved in risk assessment.
- Review plan;

The risk assessments, together with the site-specific occupational health and safety rules, shall be submitted before mobilisation on site commences. These must be included in the health and safety plan. The contractor shall ensure through his risk management process the hierarchy of controls stipulated as follows, are implemented;

- **Eliminate** - The complete elimination of the hazard.
- **Substitute** - Replacing the material or process with a less hazardous one.
- **Redesign** - Redesign the equipment or work process.
- **Separate** - Isolating the hazard by guarding or enclosing it.
- **Administrate** - Providing control such as training, procedures etc.
- **Personal Protective Equipment (PPE)** - Use of appropriate and properly fitted PPE where other controls are not practical. (PPE as the last resort)

#### **i. Baseline risk assessments**

The Client is required to prepare a baseline risk assessment before the commencement of construction activities. The hazards and risk to which persons, plant, vehicles and facilities may be exposed during the construction shall be identified and evaluated. The aspects and impacts resulting in environmental pollution or degradation shall also be identified and evaluated. Measures to reduce or control these risks or hazards must be defined during this assessment. The contractor shall ensure that all employees under his or her control are informed instructed and trained by a competent person regarding any hazard and the related work procedure and or control measure before any work commences, and thereafter at the times determined in the risk assessment monitoring and review plan of the relevant site.

The contractor shall ensure that all sub-contractors are informed regarding any hazard that are stipulated in the risk assessment before any work commences, and thereafter at the times that may be determined in the risk assessment monitoring and review plan. The contractor shall ensure that copies of the risk assessment of the relevant site are available on for inspection by an Inspector, the Client, the Client's Agent, any sub-contractor/s, any employee, a health and safety representative or any member of the health and safety committee.

The Client shall review the relevant risk assessment where changes are effected to the design and/or construction that result in a change to the risk profile or when an incident has occurred. The effectiveness of

the measures defined and the baseline risk assessment prepared shall be monitored and reviewed from time to time to ensure that it remains relevant and accurate.

## **10. Medical Fitness Certificate**

The contractor must ensure that their employees on site have a valid medical certificate of fitness, specific to the construction work being performed, issued by an occupational health practitioner in the form of Annexure 3.

## **11. Training**

The principal contractor and its sub-contractor/s shall ensure that all its employees are adequately trained and experienced to perform their work. Where semi-skilled employees are employed, adequate supervision must be available to maintain standards of work and to ensure compliance with Health and Safety standards on this project.

### **11.1 Site-specific Induction**

The contractor may under any circumstances allow or permit any employee or person to enter site unless they have undergone health and safety induction training pertaining to the hazards prevalent on site at the

time of entry. This includes visitors to site. The Contractor must ensure that visitors to site have the necessary protective equipment (PPE). Records of induction must be kept in the safety file.

### **11.2 Toolbox Talks**

The contractor shall conduct toolbox talks with their employees on **weekly** basis and records of these must be kept in the safety file. Employees must acknowledge the receipt of toolbox talks and this record must also be kept in the Safety file

### **11.3 Other training**

All operators, drivers and users of construction vehicles, mobile plant and other equipment are to be in possession of valid proof of training and, where applicable, valid licenses. All employees in jobs requiring training in terms of the Occupational Health and Safety Act (Act no 85 of 1993) and any other applicable legislative requirements are to be in possession of valid proof of training.

### **11.4 Competence**

The contractor must ensure that his personnel are trained and competent to carry out work safely and without risk to health before work commences. Follow-up and refresher training shall be conducted as the work progresses and whenever the scope or nature of the work changes. Records of all training must be kept in the Safety File.



## **12. Communication and Consultation**

### **12.1 Notification of construction work**

The Principal contractor shall, before carrying out any work, notify the Department of Labour in writing 7 days prior, of any construction work that involves:

- a) excavation work;
- b) working at a height where there is risk of falling;
- c) demolition of a structure;

Only a certified copy stamped by the Department of Labour will be acceptable. No faxed or emailed notifications will be accepted. No work shall commence before notification of construction work has been done to the relevant Department of Labour by the principal contractor. The Client will not approve the Safety File if no notification of construction work has been done.

### **12.2 Consultative forums**

The following arrangements with respect to communication and liaison shall apply:

- Occupational health and safety liaison between The Client, The Principal contractor, the sub-contractor/s, the designer and other concerned parties will be through the occupational health and safety committee
- In addition to the above, communication may be directly to The Client, The Principal contractor or sub-contractor/s, verbally or in writing, as and when the need arises.
- Consultation with the workforce on occupational health, safety and environmental matters will be through their supervisors, occupational health and safety officer or/and the occupational health and safety committee
- The contractor will be responsible for the dissemination of all relevant occupational health, safety and environmental information to the sub-contractor/s. The transfer of information must take place before the contractor or sub-contractor/s commence work, for example, on design changes agreed with the Client and the designer, exchange of information between contractors, the reporting of hazardous and/or dangerous conditions and/or situations etc.

### **12.3 Contractor / Mandatory control**

Whenever the principal contractor appoints sub-contractors, it is a requirement that an Occupational Health and Safety Act (Act no. 85 of 1993) Section 37(2) agreement (i.e. Agreement with Mandatory) is included in his agreement with the sub-contractor.

## **13. Site Security & Access Control**

The contractor must establish site access rules and implement and maintain these throughout the construction period. Access control must, amongst other, include the rule that every person entering the construction site must sign the register at the entrance indicating the following:

- Surname and Name
- Id number
- Vehicle registration number
- From which company
- Reason for entering the construction site
- Time in and Time out
- Signature

Non-employees will not be allowed on site unaccompanied. These rules and procedures must be maintained throughout the construction period. The contractor shall provide a **guard house** for a security working during the day and at night if recommended. The guard house should be in good condition and at-least meet minimum requirements as per environmental regulations for workplaces.

#### 14. Fall protection

The contractor must ensure that employees are protected from falling into open excavations.

#### 15. Construction vehicles and mobile plant

Construction vehicles and mobile plant will be inspected by the appointed person prior to being allowed on a project site. Suppliers of hired vehicles, plant and equipment will be required to comply with this specification as well as the Occupational Health and Safety Act (Act no. 85 of 1993) and Construction Regulations (2014).

Construction vehicles and mobile plant to be:

- Of acceptable design and construction;
- Maintained in good working order;
- Used in accordance with their design and intention for which they were designed having due regard to safety and health;
- Operated and/or driven by trained, certified competent and in possession of proof of competency and is authorised in writing to operate those construction vehicles and mobile plant. A person who has a medical certificate of fitness to operate those construction vehicles and mobile plant, issued by an occupational practitioner in the form of Annexure 3
- Provided with safe and suitable means of access and egress;
- Fitted with properly organised and controlled in any work situation by providing adequate signalling devices or other control arrangements to guard against the dangers relating to the movement of vehicles and plant in order to ensure that their continued safe operations.
- are prevented from falling into excavations, water or any other area lower than the working surface by installing adequate edge protection, which may include guardrails and crash barriers;
- Fitted with structures designed to protect the operator from falling material or from being crushed should the vehicle or mobile plant overturn;
- Equipped with an acoustic warning device which can be activated by the operator;
- Equipped with an automatic acoustic reversing alarm; and

- Inspected by the authorised operator or driver on a daily basis using a relevant checklist prior to use and that the findings of such inspection are recorded in a register kept in the construction vehicle or mobile plant.

The contractor must ensure that –

- (a) No person rides or is required or permitted to ride on a construction vehicle or mobile plant otherwise than in a safe place provided thereon for that purpose;
- (b) Every construction site is organized in such a way that, as far as is reasonably practicable, pedestrians and vehicles can move safely and without risks to health;
- (c) The traffic routes are suitable for the persons, construction vehicles or mobile plant using them, are sufficient in number, in suitable positions and of sufficient size;
- (d) Every traffic route is, where necessary, indicated by suitable signs;
- (e) All construction vehicles and mobile plant left unattended at night, adjacent to a public road in normal use or adjacent to construction areas where work is in progress, have appropriate lights or reflectors, or barricades equipped with appropriate lights or reflectors, in order to identify the location of the vehicles or plant;
- (f) All construction vehicles or mobile plant when not in use, have buckets, booms or similar appendages fully lowered or blocked, controls in a neutral position, motors stopped, wheels chocked, brakes set and ignition secured;
- (g) Whenever visibility conditions warrant additional lighting, all mobile plant are equipped with at least two headlights and two taillights when in operation;
- (h) Tools, material and equipment are secured and separated by means of a physical barrier in order to prevent movement when transported in the same compartment with employees;
- (i) Vehicles used to transport employees have seats firmly secured and adequate for the number of employees to be carried; and

## 16. Symbolic Signage

The contractor shall use mandatory and prescribed symbolic safety signs at their lay down and site areas.

The display of the following signs is mandatory:

- "Eye Protection" symbolic signs shall be displayed at all grinding machines and at any area where it is mandatory to wear eye protection or where there is danger of an eye injury being sustained.
- "Ear Protection" symbolic signs shall be displayed at all areas where there is a danger of noise induced hearing loss being sustained.
- All toilets or urinals shall be marked in a conspicuous place with painted or stencilled letters to indicate the sex for which they are intended.
- The location of every first aid box is to be clearly indicated by means of a sign.
- In any room, cabinet or enclosure where flammable substances are used or stored shall be fixed a suitable and conspicuous sign prohibiting smoking or the use of naked flames in the area.
- Emergency contact telephone numbers.

- Adequate fire fighting equipment signs.
- "Excavations in progress"
- Warning notices at openings through which people may fall.

### **17. Use and temporary storage of flammable liquids on construction sites**

The contractor must ensure that, in addition to compliance with the provisions for the use and storage of flammable liquids in the General Safety Regulations, 2003, ensure that:

- Where flammable liquids are being used, applied or stored at the workplace concerned, it is done in a manner that does not cause a fire or explosion hazard, and that the workplace is effectively ventilated;
- No person smokes in any place in which flammable liquid is used or stored, and the contractor must affix a suitable and conspicuous notice at all entrances to any such areas prohibiting such smoking;
- An adequate amount of efficient fire-fighting equipment is installed in suitable locations around the flammable liquids store with the recognized symbolic signs;
- Only the quantity of flammable liquid needed for work on one day is taken out of the store for use;
- All containers holding flammable liquids are kept tightly closed when not in actual use and, after their contents have been used up, are removed from the construction site and safely disposed of;
- Where flammable liquids are decanted, the metal containers are bonded and earthed; and
- No flammable material, including cotton waste, paper, cleaning rags or similar material is stored together with flammable liquids.

### **18. Fuel Storage**

No petrol shall be stored in drums in excess of a total of two hundred litres in any building or other place except with the prior written approval of the Department of Labour Chief Inspector. Every storage tank provided at any filling station on the surface for the purpose of containing petrol or fuel oil shall be suitably constructed to an acceptable standard that would ensure the safe storage thereof. Suitable means for fire fighting shall be installed at a safe location for the extinguishing of fire in the event of an incident. Fire equipment supply shall be appropriate to the quantity being stored.

### **19. Housekeeping and General Safeguarding on Construction Sites**

The Contractor must, in addition to compliance with the Environmental Regulations for Workplaces, 1987, promulgated by Government Notice No. R. 2281 of 16 October 1987, ensure that suitable housekeeping is continuously implemented on each construction site, including:

- The proper storage of materials and equipment;
- The removal of scrap, waste and debris at appropriate intervals;

- Ensuring that materials required for use, are not placed on the site so as to obstruct means of access to and egress from workplaces and passageways;
  - Ensuring that materials which are no longer required for use, do not accumulate on and are removed from the site at appropriate intervals;
  - Ensuring that construction sites in built-up areas adjacent to a public way are suitably and sufficiently fenced off and provided with controlled access points to prevent the entry of unauthorized persons;
- and

## **20. Stacking and storage on construction site**

The contractor shall provide a suitable and adequate lock-up store for the storage of items, equipment and material, which would be damaged or pilfered if stored in the open. The contractor is responsible for the proper storage and maintenance of all equipment until issue of the Certificate of Practical Completion.

The contractor must, in addition to compliance with the provisions for the stacking of articles in the General Safety Regulations, 2003, ensure that:

- A competent person is appointed in writing with the duty of supervising all stacking and storage on a construction site;
- Adequate storage areas are provided;
- There are demarcated storage areas; and
- Storage areas are kept neat and under control.

All equipment and materials will be stored on suitable wood poles or pallets which will not protrude more than a meter from any of the stored material. Safe access ways shall be maintained between all stored items preventing employees from having to climb over or under equipment to retrieve the necessary.

## **21. Employees' facilities**

(1) The contractor must, in addition to the construction site provisions in the Facilities Regulations, 2004, promulgated by Government Notice No. R. 924 of 3 August 2004, provide at or within reasonable access of every construction site, the following clean, hygienic and maintained facilities:

- (a) At least one sanitary facility for each sex and for every 30 workers;

## **22. Personal and other Protective Equipment**

Employees do not have the right to refuse to use and/or wear the equipment prescribed by the employer and, if it is impossible for an employee to use or wear the prescribed protective equipment through health or any other reason, the employee cannot be allowed to continue working under the hazardous condition(s) for which the equipment was prescribed.

All employees shall, as a minimum, be required to wear the following personal protective:

- Protective overalls;

- Protective footwear;
- Protective hand gloves;
- Protective headwear; and
- Eye, face and ear protection.

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Personal protective equipment should, however, be the last resort and there should always first be an attempt to apply engineering and other solutions to mitigating hazardous situations before the issuing of personal protective equipment is considered.

PPE issue register must be kept in the safety file.

### **23. Portable electrical tools and equipment**

Portable electrical tools and equipment includes every unit that takes electrical power from a 15 ampere plug point and is moved around for use in the workplace for example; drills, saws, grindstones, portable lights, etcetera. Other electrical appliances such as fridges, hotplates, heaters, and etcetera must be inspected and maintained to the same standards as portable electrical tools and appliances.

The use, inspection and maintenance of portable electrical tools and equipment shall be as follows:

- Regular inspections must be carried out by a competent person appointed in writing;
- Inspection results must be recorded in a register;
- Only competent authorised persons are allowed to use portable electrical tools and equipment; and
- The correct protective equipment must be worn or used whilst operating portable electrical tools and equipment.

This equipment -

- Must be maintained in good condition at all times to prevent an electrical shock to the user;
- The main power source should incorporate an earth leakage protection device or receive power through a double wound transformer or be double insulated and clearly marked as such; and
- All equipment must be fitted with a switch to allow for safe and easy starting and stopping.

### **24. Public health and safety**

The contractor is responsible for ensuring that surrounding community shall be made aware of the dangers likely to arise from on site activities and the precautions to be observed to avoid or minimize those dangers.

This includes:

- Non- employees entering the site for whatever reason;
- The surrounding community; and
- Passers-by the site.

Appropriate signage must be posted to this effect and all employees on site must be instructed to ensure that non-employees are protected at all times. All non-employees entering the site must receive induction into the hazards and risks of the site and the control measures to be observed.

## 25. Excavations

The contractor must:

- (a) Ensure that all excavation work is carried out under the supervision of a competent person who has been appointed in writing for that purpose; and
- (b) Evaluate, as far as is reasonably practicable, the stability of the ground before excavation work begins.

Every Contractor who performs excavation work must take reasonable and sufficient steps in order to prevent, as far as is reasonably practicable, any person from being buried or trapped by a fall or dislodgement of material in an excavation. May not require or permit any person to work in an excavation which has not been adequately shored or braced: Provided that shoring and bracing may not be necessary where:

- (i) The sides of the excavation are sloped to at least the maximum angle of repose measured relative to the horizontal plane; or
- (ii) Such an excavation is in stable material: Provided that:
  - (a) permission has been given in writing by the appointed competent person contemplated in sub regulation (1) upon evaluation by him or her of the site conditions;
  - (b) where any uncertainty pertaining to the stability of the soil still exists, the decision from a professional engineer or a professional technologist competent in excavations is decisive and such a decision must be noted in writing and signed by both the competent person contemplated in sub regulation (1) and the professional engineer or technologist, as the case may be;
  - (c) Must take steps to ensure that the shoring or bracing contemplated in paragraph (b) is designed and constructed in a manner that renders it strong enough to support the sides of the excavation in question;
  - (d) Must ensure that no load, material, plant or equipment is placed or moved near the edge of any excavation where it may cause its collapse and consequently endangers the safety of any person, unless precautions such as the provision of sufficient and suitable shoring or bracing are taken to prevent the sides from collapsing;
  - (e) Must ensure that where the stability of an adjoining building, structure or road is likely to be affected by the making of an excavation, steps are taken to ensure the stability of such building, structure or road and the safety of persons;
  - (f) Must cause convenient and safe means of access to be provided to every excavation in which persons are required to work, and such access may not be further than six meters from the point where any worker within the excavation is working;

(g) Must ascertain, as far as is reasonably practicable, the location and nature of electricity, water, gas or other similar services which may in any way be affected by the work to be performed, and must before

the commencement of excavation work that may affect any such service, take the steps that are necessary to render the circumstances safe for all persons involved;

(h) Must ensure that every excavation, including all bracing and shoring, is inspected –

- (i) daily, prior to the commencement of each shift;
- (ii) after every blasting operation;
- (iii) after an unexpected fall of ground;
- (iv) after damage to supports; and
- (v) after rain, by the competent person contemplated in sub regulation (1), in order to ensure the safety of the excavation and of persons, and those results must be recorded in a register kept on site and made available on request to an inspector, the client, the client's agent, any other contractor or any employee;

(i) Must cause every excavation which is accessible to the public or which is adjacent to public roads or thoroughfares, or whereby the safety of persons may be endangered, to be –

- (i) Adequately protected by a barrier or fence of at least one metre in height and as close to the excavation as is practicable; and
- (ii) provided with warning illuminants or any other clearly visible boundary indicators at night or when visibility is poor, or have resort to any other suitable and sufficient precautionary measure where sub-paragraph (i) and (ii) are not practicable;

(j) Must ensure that all precautionary measures stipulated for confined spaces as determined in the general safety regulations, 2003, are complied with by any person entering any excavation;

(k) Must, where the excavation work involves the use of explosives, appoint a competent person in the use of explosives for excavation, and must ensure that a method statement is developed by that person in accordance with the applicable explosives legislation; and

(l) Must cause warning signs to be positioned next to an excavation within which or where persons are working or carrying out inspections or tests.

Where areas are unsafe, they should be enclosed with barricading. Examples are Man at work, Narrow, Arrow etc. Where there is a risk of injury, the area should be barricaded off with secure solid barricades. The barricade must be constructed a minimum of 1,5m away from the area. Barricading for the prevention of access into areas with a potential risk of injury shall as a minimum be constructed of a hand-rail, knee-rail and appropriately supported as to prevent any person from falling into the restricted/risk area.

All physical barricades shall be covered with netting ensuring visibility by personnel and operators of machinery. Appropriate signage shall be affixed to the barricade indicating the risk associated (i.e. deep excavation, lifting operations etc.) and the responsible Supervisor and contact details shall be displayed. All



barricading shall have a "No Entry" signs on all sides and at each change of direction. Signage shall be placed at 20 m intervals where lengths exceed. All signage shall be a minimum size of 290 mm x 290 mm.

Danger tape shall not be utilised to prevent personnel from entering into areas. Where no risk exist of injury to personnel such as stacking and storage areas, the use of wire for hand and knee rails with snow netting shall be acceptable to demarcate the area. All barricades will have a dedicated entrance where it is required that personnel enter the areas.

It is the contractor's responsibility to remove all redundant barricades directly after use. The Safety Officer will maintain a marked-up site plan indicating where barricades are erected.

## **26. Traffic precautions**

No open manhole in streets, lanes or any place where the public or other persons have access shall be left unguarded. The necessary road signs and speed limitation boards must also be in place. Any construction area must have all barricading requirements and a person assigned as flagman in every entrance to the site.

## **27. Hand Tools**

The contractor must inspect all hand tools before it is brought onto the site.

- ✦ As far as possible all hand tools must be numbered and placed on register to be inspected monthly by a person designated to do so.
- ✦ Any tools found to be in an unsafe condition must immediately be removed from service and either discarded or rectified.
- ✦ No chisels with "mushroomed" heads must be used.
- ✦ No hammer shall be used with a cracked or damaged handle.
- ✦ All files must be fitted with handles.
- ✦ All trolleys, pushcarts, etc. used on site must be identifiable, placed on register and inspected at least once every month.
- ✦ Non-sparking tools must be used in areas where the risk of fire or explosion is present.
- ✦ No home-made hand tools are allowed on the project.
- ✦ All tools shall be attached to a suitable lanyard when utilised in elevated positions

## **28. Barricading**

Solid barricades will be used where it is applicable, snow netting will be accepted where practical. The barricade must be constructed a minimum of 1,5m away from the area. All physical barricades shall be covered with netting ensuring visibility by personnel and operators of machinery.

Appropriate signage shall be affixed to the barricade indicating the risk associated (i.e. deep excavation, lifting operations etc.) and the responsible Supervisor and contact details shall be displayed. All barricading



shall have a "No Entry" signs on all sides and at each change of direction. Signage shall be placed at 20 m intervals where lengths exceed. All signage shall be a minimum size of 290 mm x 290 mm.

Danger tape shall not be utilised to prevent personnel from entering into areas. Where no risk exist of injury to personnel such as stacking and storage areas, the use of wire for hand and knee rails with snow netting shall be acceptable to demarcate the area. All barricades will have a dedicated entrance where it is required that personnel enter the areas.

### **29. Environmental Conditions**

The Contractor must be mindful of adverse weather conditions upon the health and safety of the workforce. This includes inclement weather, strong wind, heat stress, extreme cold, etc. The Contractor's risk assessment process must take into account the risks associated with such weather conditions. The same is true when working in an environment where there is a risk to employees' health and safety from presence of poisonous flora, or wildlife (including bees, snakes, etc). The Contractor's risk assessment process must take these risks into account.

### **30. Occupational Health**

Exposure of workers to occupational health hazards and risks are very common in any work environment, especially in construction. Occupational health hazards and risks exposure is a major problem and all Contractors are to ensure that proper health and hygiene measures are put in place to prevent exposure to these hazards and risks.

The occupational hazards and risks may enter the body in three ways:

- Inhalation through breathing e.g. cement dust;
- Ingestion through swallowing maybe through food intake;
- Absorption through the skin (pores) e.g. painting or use of thinners.

The contractor is required to ensure that all his personnel are medically fit prior to being allowed onto the work site.

**\*Corona Virus** – The contractor must ensure that employees are made aware and informed of this deadly Virus. Toolbox talks must include precautionary measures against this virus.

### **31. Emergency preparedness, contingency planning and response**

The contractor must appoint a competent person to act as emergency controller and/or coordinator. The contractor must conduct an emergency identification exercise and establish what emergencies could possibly develop. The contractor must then develop detailed contingency plans and emergency procedures.

The contractor must hold regular practice drills of contingency plans and emergency procedures to test them and familiarise employees with them.

### **32. First-aid**

The contractor must provide first-aid equipment and have a **qualified first-aider** on site as required by General Safety Regulations promulgated in terms of the Occupational Health and Safety Act (Act no. 85 of 1993). Proper plans for speedy and timeous transporting of injured and/or ill person(s) to a medical facility or of getting emergency medical aid to person(s) who may require it must be in place.

The contractor must have written arrangements in place with his sub-contractor/s regarding the responsibility towards their own injured and/or ill employees.

### **33. Monthly OH&S reporting**

The contractor is required to provide the Client with a **monthly Safety Report**.

### **34. Medical screening**

The contractor must ensure that medical screening is conducted to:

- Any employee exposed to hazards and risks or operating machinery where any legislative requirement requires medical surveillance;
- Any employee exposed hazardous chemical hazards.
- Any employee exposed to Coronavirus

### **35. Safe Work Behaviour and Behavioural Observations**

The contractor and his employees, including those of his sub-contractor/s, must observe and comply with the requirements of all relevant Government Acts, Rules and Regulations including, but not limited to, the Occupational Health & Safety Act, Construction Regulations (2014).

- A total of **two** Planned Task/Job Observations shall be completed and logged on site by each manager, supervisor and foreman on a Weekly basis.
- It's the construction Manager's responsibility to ensure action plans are in place and closed out accordingly on areas that requires attention.

### **35.1 Monthly compliance assessment**

The Client will conduct a monthly assessment in terms of Construction Regulations to confirm that the contractor has implemented and is maintaining the agreed and approved SHE management plan.

### **Other assessments and inspections**

The Client reserves the right to conduct other ad-hoc assessments and inspections as deemed necessary. This may include, amongst other measures, site safety walks.

### **35.2 Conducting an assessment**

A representative of the contractor must accompany the Health and Safety Consultant on all assessments and inspections and may conduct his own inspection at the same time. Each party will process the results of their own assessment or inspection through their normal channels.

### **35.3 Contractor's assessments and inspections**

The contractor is to conduct his own internal assessments and inspections to verify compliance with his own occupational health and safety plan and management system as well as compliance with the requirements of this specification. He will also assess and inspect the compliance of sub-contractor/s under his control.

### **35.4 Inspections by occupational health and Safety Officer**

Occupational health and safety officer must conduct weekly inspections and report thereon to the construction manager, supervisor/s. Other appointees must conduct inspections and report thereon as specified in their appointments. For example, vehicle, plant and machinery drivers, operators and users must conduct daily inspections before start-up.

### **35.5 Recording and review of inspection results**

All the results of inspections shall be in writing, reviewed at occupational health and safety committee meetings, endorsed by the chairperson of the meeting and placed on the Safety File.

## **36. Reporting of accidents and incidents**

The contractor must report all incidents where an employee is injured on duty to the extent that he:

- dies
- becomes unconscious
- loses a limb or part of a limb
- is injured or becomes ill to such a degree that he is likely either to die or to suffer a permanent physical defect or likely to be unable for a period of at least 14 days either to work or continue with the activity for which he was usually employed

or where -

- a major incident occurred

- the health or safety of any person was endangered
- where a dangerous substance was spilled
- the uncontrolled release of any substance under pressure took place
- machinery or any part of machinery fractured or failed resulting in flying, falling or uncontrolled moving objects
- machinery ran out of control

to the Client within two days and to the Provincial Director of the Department of Labour within seven days from date of incident (Section 24 of the Occupational Health and Safety Act (Act no. 85 of 1993) and General Administrative Regulations), except that, where a person has died, has become unconscious for any reason or has lost a limb or part of a limb or may die or suffer a permanent physical defect, the incident must be reported to both the Client and the Provincial Director of the Department of Labour forthwith by telephone, fax or e-mail. The contractor shall provide the Client with copies of all statutory reports required in terms of the Occupational Health and Safety Act (Act no. 85 of 1993) during audits.

) The contractor is required to provide the Client with copies of all internal and external accident/incident investigation reports during audits.

### **37. Accident and incident investigation**

The contractor is responsible for the investigation of all accidents and/or incidents where employees and non-employees were injured to the extent that they had to receive medical treatment other than first aid. The results of the investigation are to be entered into the accident and/or incident register. The contractor is responsible for the investigation of all minor and non-injury incidents as described in Section 24 (1) (b) and (c) of the Occupational Health and Safety Act (Act no. 85 of 1993) and for keeping a record of the results of the investigations including the steps taken to prevent similar accidents in future.

The contractor is also responsible for the investigation of all road traffic accidents, related to the construction activities, and for keeping a record of the results of the investigations including the steps taken to prevent similar accidents in future.

The Client reserves the right to hold its own investigation into an incident or call for an independent external investigation.

### **38. Covid-19 Direction on Occupational Health and Safety In The Work Place**

On 1 October 2020 the Minister of Employment and Labour published a new consolidated COVID-19 Direction on Occupational Health and Safety in the Workplace (Revised OHS Direction). The Revised OHS Direction replaces the Direction that was published on 4 June 2020.

The Revised OHS Direction takes into account recent developments communicated by the National Department of Health (NDoH). This is in light of new information about the virus from sources like the World Health Organisation.

The Revised OHS Direction aims to assist the NDoH in its collation and analysis of workplace data to prevent the escalation of the pandemic. The Revised OHS Direction accordingly places additional obligations upon employers whose employees have returned to work.

These obligations supplement the health and safety measures already required by the previous Direction, and generally in terms of the Occupational Health and Safety Act (OHSA).

We highlight the most notable changes and additions below.

#### Risks assessments and plans for protective measures

There is still a requirement for all employers to undertake a risk assessment and to develop a Workplace Plan on the basis of that assessment, outlining the protective measures in place for the phased return of employees before opening.

What is new, is that there is now an additional item that must be included in an employer's Workplace Plan – a description of the procedure to be followed to resolve any issue that may arise from the exercise by an employee of the right to refuse to work in the circumstances contemplated in direction 14(1) (see further information below).

#### Administrative measures – employers with more than 50 employees

Notably, there are new reporting obligations imposed on employers with more than 50 employees:

Such employers must submit a record of their risk assessment, together with a written policy concerning the protection of the health and safety of employees from COVID-19 as contemplated in section 7(1) of OHSA to (i) their health and safety committee; and (ii) the Department of Employment and Labour (DEL).

The submission to the DEL must be made by email to the address of the appropriate Provincial Chief Inspector (available here) within 21 days of the commencement of the Revised OHS Direction, i.e. by no later than 21 October 2020.

Previously, this obligation only arose where an employer employed more than 500 employees.

In addition, while the obligation to provide screening and testing data previously only applied to employers with more than 500 employees in certain sectors, all employers with more than 50 employees in a workplace must now submit the following categories of data to the National Institute for Occupational Health (NIOH)

electronically (to OHSworkplace@nioh.ac.za or via the online platform) in the manner set out in the NDoH Guidelines (available here):

- each employee's vulnerability status for serious outcomes of a COVID-19 infection;
  - details of the symptom screening of employees who are symptomatic;
  - details of employees who test positive for COVID-19;
  - the number of employees identified as high-risk contacts (and who have been quarantined) as a result of exposure to a worker who has tested positive for COVID-19; and
  - details on the post-infection outcomes of those testing positive, including the return to work assessment outcome.
- Vulnerability status data must be provided once in respect of each employee. The remaining data is to be submitted weekly, as soon as possible before Tuesday in respect of the data collected in the previous calendar week commencing on Sunday.

The above data may also be submitted by an employer via an employers' association, if the association has entered into an agreement with the NIOH to receive, process and submit the data to the NIOH and has undertaken to submit the data on behalf of the employer.

Importantly, employers must inform their employees that their personal information will be submitted to the NIOH in accordance with the employer's legal obligations and that the NIOH will comply with the provisions of the Protection of Personal Information Act.

#### Reporting of positive cases at the workplace

While previously employers were required to report each instance in which an employee tested positive for COVID-19 to the NDoH via the COVID-19 hotline number, positive cases must now be reported to the NIOH in the same manner as the reports made by employers with more than 50 employees (described above).

In addition, the Revised OHS Direction requires employers to inform the Compensation Commissioner whenever a worker has been diagnosed with COVID-19 at the workplace, in accordance with the Directive on Compensation for Workplace-acquired Novel Corona Virus Disease.

#### Referral of workers to a public health facility

The Revised OHS Direction has clarified that, in the event that a worker displays symptoms of COVID-19 at the workplace, the employer's obligation is to isolate the worker and to arrange for the worker to be transported to a public health facility (i.e. one of the established testing sites). From there, the worker will either be directed to self-isolate or will undergo a medical examination and/or testing.

#### Isolation and quarantine periods



The Revised OHS Direction has now been brought in line with the updated guidelines by the NDoH, by reducing the periods of self-isolation (for workers who have tested positive) and self-quarantine (for close contacts/workers with high-risk exposure to a positive case) from 14 days to 10 days. Health workers with high risk exposure must remain in quarantine for 7 days, which can, by agreement with the worker, be reduced to 5 days.

#### Employers with 10 or less employees

More limited obligations still apply to employers who employ 10 or less employees. The only change is that the employer must now contact the relevant provincial inspectorate (and not the general COVID-19 hotline number) to obtain instructions when an employee presents with symptoms at work.

### **38. Conclusion**

The Client supplied the Contractor with a Health and Safety Specification. This Specification furthermore contains the requirements under which is required to operate. By signing an agreement with the Client, the contractor reiterates its commitment to compliance and will operate within the requirements of this provided Specification.

#### **\*Note**

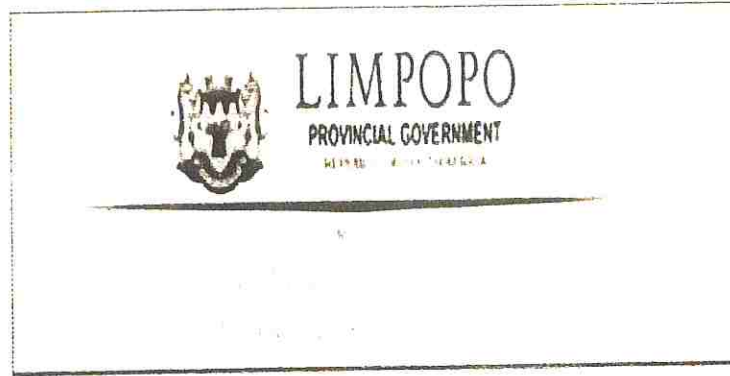
**The Client will stop construction work that does not comply with Health and Safety requirements as per OHS Act 85 of 1993, Construction Regulations and Covid-19 Regulations.**



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## PART C4 SITE INFORMATION



## C4.1 DRAWINGS