



LIMPOPO

PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF

PUBLIC WORKS, ROADS & INFRASTRUCTURE

BID NUMBER: LDPWRI- B/20391

**APPOINTMENT OF CONTRACTOR FOR CONSTRUCTION OF NEW
PRISKA LOW COST ECD IN MOPANI DISTRICT**

For the

**DEPARTMENT OF EDUCATION,
LIMPOPO PROVINCE**

**THROUGH THE FRAMEWORK CONTRACT CATEGORY C
(3GB AND ABOVE)**

Issued by:

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

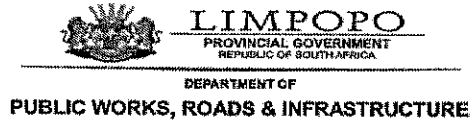
Contact Person: General Queries

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

Contact Person: Technical Queries

Name : Mr. MJ Masiya/Mr Setati CE
Tel No. : 015 284 7257
Email : Cngita@gmail.com/ SetatiCE@dpw.limpopo.gov.za

Name of the Bidder:.....



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PART T1: TENDERING PROCEDURE

T1.1 Tender Notice and Invitation to Tender

The Limpopo Department of Public Works, Roads and Infrastructure invites tenderers from contractors appointed on the framework agreement on category for **THE CONSTRUCTION OF NEW PRISKA LOW COST ECD CENTRE THROUGH THE FRAMEWORK CONTRACT CATEGORY C** for a period of 6 months. It is estimated that tenderers must have a CIDB contractor grading designation of **3GB** or higher.

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

Project Name	THE CONSTRUCTION OF NEW PRISKA LOW COST ECD CENTRE THROUGH THE FRAMEWORK CONTRACT CATEGORY C for a period of 6 months..	
Tender Number		
Tender documents availability	Limpopo Department of Public Works, Roads and Infrastructure website	
Address for submission of tenders	DEPARTMENT OF PUBLIC WORKS, ROADS & INFRASTRUCTURE. Physical address: Corner River and Blaauwberg Streets, Ladanna, 0699.	
Closing date of the tender	As per Tender invite	
Closing time of the tender	As per Tender invite	
Compulsory briefing meeting (<i>Tenderers must sign the attendance register in the name of the tendering entity. Addenda (if any) will be issued only to those tendering entities appearing on the attendance register</i>)	Yes ☒ No ☐	
	Meeting venue	As per Tender invite
	Date	As per Tender invite
	Time:	As per Tender invite
Evaluation criteria	1. Compliance with mandatory or compulsory requirements 2. Risk assessment on current projects 3. Price 4. Preference	
Mandatory or Compulsory Requirements (<i>failure to submit or comply with these requirements will lead to automatic disqualification</i>)	Only tenderers who are appointed on category C registered with the Construction Industry Development Board (CIDB) with designation of 3 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	
	1. Completed and signed Form of Offer 2. Compulsory tender clarification meeting 3. Fully completed BOQ 4. Fully completed declaration of admirative compliance and current projects	

T1.2 Tender Data

Clause number	Tender Data
	The conditions of tender are the Standard Conditions of Tender as contained in Annex C of Board Notice 423 of 2019 in Government Gazette No. 42622 of 08 August 2019, Construction Industry Development Board (CIDB) Standard for Uniformity in Construction Procurement. (See www.cidb.org.za) which are reproduced without amendment or alteration for the convenience of tenderers as an Annex to this Tender Data. The Standard Conditions of Tender make several references to the Tender Data for details that apply specifically to this tender. The Tender Data shall have precedence in the interpretation of any ambiguity or inconsistency between it and the standard conditions of tender. Each item of data given below is cross-referenced to the clause in the Standard Conditions of Tender to which it mainly applies. The contractor shall achieve in the performance of the contract the Contract Participation Goals (CPG) relating to the engagement of targeted enterprises as established in the CIDB Standard for Indirect Targeting for Enterprise Development through Construction Works Contracts Gazette Notice No. 36190 of 25 February 2013. In this case, contractor shall provide a minimum Contract Participation Goal (CPG) of 5% of the total project value and develop targeted enterprises stated under C3 of this document. The following variations, amendments and additions to the Standard Conditions of Tender as set out in the Tender Data below shall apply to this tender. Add the following to clauses in Standard Conditions of Tender:
C.1.1	The Employer is the Department of Public Works, Roads and Infrastructure
C.1.2	The Tender Part T1: Tendering procedures T1.1 Tender notice and invitation to tender T1.2 Tender data Part T2: Returnable documents T2.1 List of returnable documents T2.2 Returnable schedules The Contract Part C1: Agreements and contract data C1.1 Form of offer and acceptance C1.2 Contract data C1.3 Joint Venture Agreement (If Applicable) The Contract Part C2: Pricing data C2.1 Pricing instructions C2.2 Bills of Quantities Part 3: Scope of work C3.1 Special Notes to Bidders Part 4: Drawings

PUBLIC DOCUMENT

C.1.4	All communications related to this bid should be directed to the persons indicated under Enquires on this tender document. Attention is also drawn to the fact that verbal information, given by the Employer's agent during site visits/clarification meetings or at any other time prior to the award of the Contract, will not be regarded as binding on the Employer. Only information issued formally by the Employer in writing to Tenderers will be regarded as amending the Tender Documents.
C.1.5	The employer reserve to cancel the tender prior to the award of the tender.
C1.6.2	A competitive negotiation procedure will not be followed.
C1.6.3	A two-stage system will not be followed.
C.2.1	Eligibility in respect of CIDB grading Only tenderers who are appointed on framework agreement category A and registered with the Construction Industry Development Board (CIDB) with designation of 3GB or higher than a contractor grading designation determined in accordance with the sum tendered, or a value determined in accordance with Regulation 25 (1B) or 25(7A) of the Construction Industry Development Regulations, are eligible to have their tenders evaluated.
C2.2	Cost of tendering The tenderer accept that, unless otherwise stated in the tender data, the employer will not compensate the tenderer for any costs incurred in the preparation and submission of a tender offer, including the costs of any testing necessary to demonstrate that aspects of the offer complies with requirements
C.2.7	Compulsory site briefing A compulsory briefing meeting will be held as per Tender invite Tenderers must sign the attendance list in the name of the tendering entity. Addenda (if any) will be issued only to those tendering entities appearing on the attendance list.
C.2.11	Alterations to the documents Bidders are required to not make any alterations or additions to the tender documents, except to comply with instructions issued by the employer, or necessary to correct errors made by the tenderer. All signatories to the tender offer shall initial all such alterations
C.2.12	Alternative tender offer No alternative tender offer is permitted in this tender.
C.2.13.2	Replace sub-clause C.2.13.2 with the following; Return all returnable documents to the employer after completing them in their entirety by writing in non-erasable black ink
C.2.13.3	Parts of each tender offer communicated on paper shall be submitted as an original
C.2.13.4	The tender shall be signed by a person duly authorized to do so.
C.2.13.5	The employer's details and address for delivery of tender offers and identification details that are to be shown on each tender offer package are: Location of tender box: DEPARTMENT OF PUBLIC WORKS, ROADS & INFRASTRUCTURE. Physical address: Corner River and Blaauwberg Streets, Ladanna, 0699 Identification details: Sealed Tender with Tender reference number, Title of Tender and the closing date and time of the tender. NOTE: Tenderers must submit both the physical printed tender document as well as a softcopy in a USB in the same envelope

C.2.15.1	The closing time for submission of tender offers is as stated in the Tender Notice and Invitation to Tender. Telephonic, telegraphic, telex, facsimile or e-mailed tender offers will not be accepted.
C.2.16.1	The tender offer validity period is 12 weeks or 90 days .
C.2.16.2	The tender accepts that a tender submission that has been submitted to the employer may only be withdrawn or substituted by giving the employer's agent written notice before the closing time for tenders that a tender is to be withdrawn or substituted. If the validity period stated in C.2.16 lapses before the employer evaluating tender, the contractor reserves the right to review the price based on Consumer Price Index (CPI).
C.3.1	The tenderer is required to indicate how they claim points for each preference point system and attached relevant supporting documents. The specific goals for claiming of preference points include the following: - Persons who had no franchise in national elections prior to 1983 and 1993 - Promotion of Women owned enterprises - Disabled persons - Promotion of SMMEs - Enterprise located in Limpopo Province - Promotion of youth - South African Owned Enterprises
	CIDB Grading Certificate Tenders are required to provide proof of registration with the CIDB register of contractors indicating the category of registration, grading as well as the CRS number of the tenderer. Letter of Good Standing Tender are required to submit, bound with the tender submission, a letter of good from the Compensation commissioner indicating that the bidder is in good standing.
C3.2	Notwithstanding any requests for confirmation of receipt of Addenda issued, the tenderer shall be deemed to have received such addenda if the employer can show proof of transmission thereof (or a notice in respect thereof) via electronic mail, facsimile or registered post.
C.3.4.1	Tenders will not be opened immediately after the closing time for tenders.

C.3.11	The tenderers will be evaluated in four stages (i) Stage 1: Compliance with mandatory requirements as stated in Part T1.1 (ii) Stage 2: Risk assessment on current projects (iii) Stage 3: Price (iv) Stage 4: Preference The technical capacity (functionality) of the contractors will not be evaluated any further during evaluation of the RFQ. However, the contractors will be required to declare the status of their key staff and any administrative compliance. In cases where there are changes in the key staff, the contractor should provide CVs and qualifications of the new staff to LDPWR&I. The new staff should have similar skills, qualifications and experience as the staff submitted during tender. Similarly, the contractors will be expected to provide an update on any changes in their administrative compliances – and should submit the required SBD document in such cases. The award will only be issued to contractors with valid Tax Clearance certificates, active CIDB grading and the contractor who meets all the legislative requirement – this shall be verified by SCM in line with the departmental SCM Policy. The total value of current projects for a contractor under consideration cannot exceed the twice the maximum value of their relevant CIDB grade.¹
	a) Stage 1: Administrative Compliance: The Compliance or compulsory documents and returnable are detailed in Section T.2.1 of this tender document. Failure to submit, complete or comply with these requirements will lead to automatic disqualification. b) Stage 2: Risk assessment on current projects The total value of current projects for a contractor under consideration cannot exceed the twice the maximum value of their relevant CIDB grade.

Stage 3 and 4:

The procedure for final evaluation of responsive tenders is Method 2 (Financial offer and preference). The total number of tender evaluation points (T_{EV}) shall be determined in accordance with the following formula.

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

- a) N_{FO} is the number of tender evaluation points awarded for the financial offer made. The score for financial offer is calculated using the following formula:

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

Where:

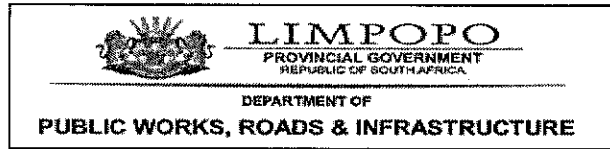
A is 80 since the estimated financial value of works inclusive of VAT is equals or is less than R 50,000,000.00.

P is the points awarded to the bid under consideration

P_m is the lowest Comparative bid price

P_o is the comparative price under consideration

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



PART T2: RETURNABLE DOCUMENTS

T2.1 : LIST OF RETURNABLE DOCUMENTS

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

- 2.1 Fully completed Form of Offer
- 2.2 Bills of Quantities- P's and G's are to have a summarized lump sum total, the BOQ to be filled in full
- 2.3 Record of Addenda to tender documents (if applicable)
- 2.4 Proposed amendments and qualifications (if applicable)
- 2.5 Proof of specific goal for award of the preference points as determined on the Request for Proposal.
- 2.6 SBD 1
- 2.7 SBD 6.1
- 2.8 Declaration on the status of Administration compliance.
- 2.9 CIDB grading certificate
- 2.10 CSD Report
- 2.11 Tax clearance certificate
- 2.12 Declaration of current projects

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

- I. Failure by the service provider to submit or complete item 2.1, 2.2, 2.3, 2.4, 2.8 and 2.12
- II. The bidder should also not appear on the National Treasury's list of black listed entities.



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T 2.2: RETURNABLE SCHEDULE

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



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Declaration on the status of administrative compliance

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

.....

.....

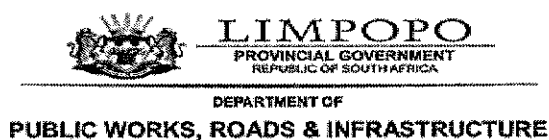
.....

.....

Signed _____ Date _____

Name _____ Position _____

Enterprise _____



Record of Addenda to tender documents

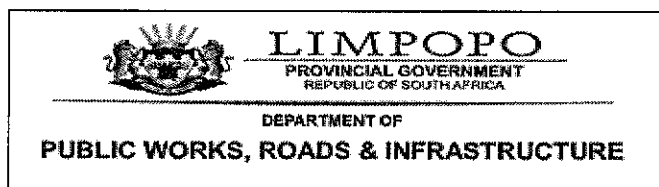
We confirm that the following communications received from the Employer before the submission of this tender offer, amending the tender documents, have been taken into account in this tender offer:		
	Date	Title or Details
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		

Attach additional pages if more space is required.

Signed _____ Date _____

Name _____ Position _____

Tenderer _____



Proposed amendments and qualifications

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

Page	Clause or item	Proposal

Signed

Date

Name

Position

Tenderer

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

SBD 1

PART A: INVITATION TO BID

YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF THE LIMPOPO DEPARTMENT OF PUBLIC WORKS, ROADS AND INFRASTRUCTURE					
BID NUMBER:	LDPWRI-B/20391	CLOSING DATE	As per Tender Advert	CLOSING TIME:	11:00am
DESCRIPTION	THE CONSTRUCTION OF NEW PRISKA LOW COST ECD CENTRE THROUGH THE FRAMEWORK CONTRACT				
BID RESPONSE DOCUMENTS MAY BE DEPOSITED IN THE BID BOX SITUATED AT (STREET ADDRESS)					
DEPARTMENT OF PUBLIC WORKS, ROADS & INFRASTRUCTURE.					
Physical address: Corner River and Blaauwberg Streets, Ladanna, 0699.					
BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO					
CONTACT PERSON	Mr. NJ Motsopye				
TELEPHONE NUMBER	0152847126	E-MAIL ADDRESS	motsopyen@dpw.limpopo.gov.za		
CONTACT PERSON (TECHNICAL)	Mr. MJ Masiya/Mr CE Setati				
TELEPHONE NUMBER	015 284 7219	E-MAIL ADDRESS	Cngita@gmail.com		
SUPPLIER INFORMATION					
NAME OF BIDDER					
POSTAL ADDRESS					
STREET ADDRESS					
TELEPHONE NUMBER	CODE		NUMBER		
CELLPHONE NUMBER					
E-MAIL ADDRESS					
VAT REGISTRATION NUMBER					
SUPPLIER COMPLIANCE STATUS	TAX COMPLIANCE SYSTEM PIN:		OR	CENTRAL SUPPLIER DATABASE No:	MAAA
ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS /SERVICES /WORKS OFFERED?					
☐ Yes ☐ No [IF YES ENCLOSE PROOF]		ARE YOU A FOREIGN BASED SUPPLIER FOR THE GOODS /SERVICES /WORKS OFFERED?		☐ Yes ☐ No [IF YES, ANSWER THE QUESTIONNAIRE BELOW]	
QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS					
IS THE ENTITY A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)?				☐ YES ☐ NO	
DOES THE ENTITY HAVE A BRANCH IN THE RSA?				☐ YES ☐ NO	
DOES THE ENTITY HAVE A PERMANENT ESTABLISHMENT IN THE RSA?				☐ YES ☐ NO	
DOES THE ENTITY HAVE ANY SOURCE OF INCOME IN THE RSA?				☐ YES ☐ NO	
IS THE ENTITY LIABLE IN THE RSA FOR ANY FORM OF TAXATION?				☐ YES ☐ NO	
IF THE ANSWER IS "NO" TO ALL OF THE ABOVE, THEN IT IS NOT A REQUIREMENT TO REGISTER FOR A TAX COMPLIANCE STATUS SYSTEM PIN CODE FROM THE SOUTH AFRICAN REVENUE SERVICE (SARS) AND IF NOT REGISTER AS PER 2.3 BELOW.					

PART B: TERMS AND CONDITIONS FOR BIDDING

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

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

SIGNATURE OF BIDDER:

.....

CAPACITY UNDER WHICH THIS BID IS SIGNED:

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

.....

DATE:

.....

1.4 To be completed by the organ of state:

The maximum points for this tender are allocated as follows:

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

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

2. DEFINITIONS

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

3. FORMULAE FOR PROCUREMENT OF GOODS AND SERVICES

3.1. POINTS AWARDED FOR PRICE

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

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

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

Where

Ps = Points scored for price of tender under consideration

Pt = Price of tender under consideration

Pmin = Price of lowest acceptable tender

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

3.2.1. POINTS AWARDED FOR PRICE

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

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

Where

Ps = Points scored for price of tender under consideration

Pt = Price of tender under consideration

Pmax = Price of highest acceptable tender

4. POINTS AWARDED FOR SPECIFIC GOALS

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

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

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

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

The specific goals allocated points in terms of this tender	Number of points allocated (90/10 system) (To be completed by the organ of state)	Number of points allocated (80/20 system) (To be completed by the organ of state)	Number of points claimed (90/10 system) (To be completed by the tenderer)	Number of points claimed (80/20 system) (To be completed by the tenderer)
Persons who had no franchise in national elections prior to 1983 and 1993 (Attach Certified copy of SA ID as proof)	-	6	-	
Promotion of Women owned enterprises (Attach Director's certified copy of SA ID as proof)	-	3	-	
Disabled persons (Attach letter from Health Professional as Proof)	-	2	-	
Promotion of SMMEs (Attach Financial statement as Proof)	-	2	-	
Enterprises located in Limpopo Province (Attach proof of address/Lease agreement)	-	4	-	
Promotion of youth (Attach Director's certified copy of SA ID as Proof)	-	1	-	
South African owned enterprises (Attach Director's certified copy of SA ID as proof)	-	2	-	

DECLARATION WITH REGARD TO COMPANY/FIRM

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

4.4. Company registration number:

4.5. TYPE OF COMPANY/ FIRM

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

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

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

.....

SIGNATURE(S) OF TENDERER(S)

SURNAME AND NAME:

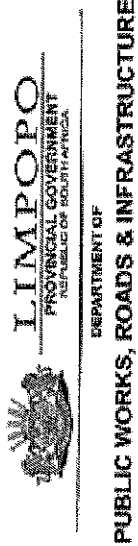
DATE:

ADDRESS:

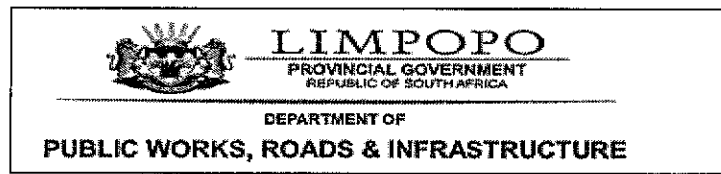
.....

.....

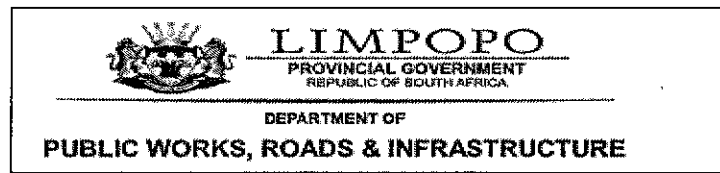
.....



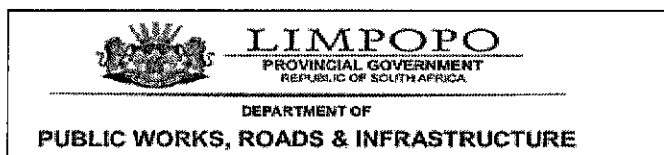
DECLARATION OF CURRENT PROJECTS					
Current value refers to current value of projects for both General Building (GB) and Civil Engineering (CE). Please list the current projects which your company is busy executing in the table below. <i>If no projects at the moment the tender must indicate/write on this table</i> Table 1 List of current projects executed by the bidder 1. Do you have the current projects being executed Yes/No? 2. If Yes, please indicate the details on the table below. Please note that it is compulsory to answer the question and if the answer is yes, complete the table. If the question not answered or the table not completed the points will not be allocated.					
Project Description	Project Value	Start date	Planned end date	Client Name	Contact Person number



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:

APPOINTMENT OF CONTRACTOR FOR THE CONSTRUCTION OF NEW PRISKA LOW COST ECD CENTRE

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

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

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

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

.....

(in figures) R.....

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

Signature(s)

Name(s)

Capacity

For the tenderer:

Name & signature of witness

Date

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

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

The terms of the contract, are contained in:

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

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

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

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

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

For the Employer

Signature

Name

Capacity

Name and address of organization

Signature and Name of Witness

Signature

Name

Capacity

Schedule of Deviations

1 Subject
Details
.....
.....
.....

2 Subject
Details
.....
.....
.....

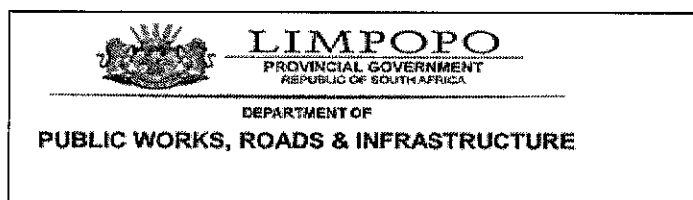
3 Subject
Details
.....
.....
.....

4 Subject
Details
.....
.....
.....

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

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

.....



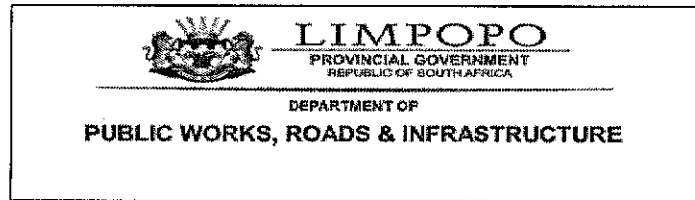
C2.1 CONTRACT DATA

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

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

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

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



PART C2: PRICING DATA

C2.1 Pricing instruction

- The Bills of Quantities have been drawn up in accordance with the Standard System of Measuring Building Work in accordance with the provisions of the Model Bills of Quantities or Electrical Work, published by the South African Association of Quantity Surveyors, (July, 2005).
- The agreement is under the JBCC N/S Subcontractor Agreement for use with the JBCC PBA (Edition 4.1 code 2101 March 2005) form of contract with Preliminaries (Code 2103 May 2005) incorporating the State Provisions of cl 41.0.
- It will be assumed that prices included in the Bills of Quantities are based on Acts, Ordinances, Regulations, By-laws, International Standards and National Standards that were published 28 days before the closing date for tenders.
- The prices and rates in these Bills of Quantities are fully inclusive prices for the work described under the items. Such prices and rates cover all costs and expenses that may be required in and for the execution of the work described in accordance with the provisions of the Scope of Work, and shall cover the cost of all general risks, liabilities, and obligations set forth or implied in the Contract Data, as well as overhead charges and profit. These prices will be used as a basis for assessment of payment for additional work that may have to be carried out.
- An item against which no price is entered will be considered to be covered by the other prices or rates in the Bills of Quantities. A single lump sum will apply should a number of items be grouped together for pricing purposes.
- The Contract Data and the standard form of contract referenced therein must be studied for the full extent and meaning of each and every clause set out in Section 1 (Preliminaries) of the Bills of Quantities.
- The Bills of Quantities is not intended for the ordering of materials. Any ordering of materials, based on the Bills of Quantities, is at the Contractor's risk.
- The shall set a minimum of 5 % of the project value for sub-contractor determine the amount to be paid for the Contract Participation Goal (CPG).



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REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

PART C2.2: BILLS OF QUANTITIES

CONSTRUCTION OF NEW PRISKA ECD

Item No		Quantity	Rate	Amount
	<u>SECTION NO 1</u>			
	<u>BILL NO. 1</u>			
	<u>PRELIMINARIES</u>			
	<u>PRELIMINARIES</u>			
	All prices/rates to be net, excluding Value Added Tax			
	<u>General</u>			
	i) The agreement is to be the JBCC Series 2000 Principal Building Agreement (Edition 4.1) prepared by the Joint Building Contracts Committee, March 2005			
	ii) The preliminaries are to be the JBCC Series 2000 Preliminaries prepared by the Joint Building Contracts Committee, March 2005 edition and shall be deemed to be incorporated herein			
	iv) Where standard clauses or alternatives are not entirely applicable to this contract such modifications, corrections or supplements as will apply are given under each relevant clause heading			
	iii) Tenderers are referred to the above mentioned documents for the full intent and meaning of each clause thereof (hereinafter referred to by heading and clause number only) for which such allowance must be made as may be considered necessary			
	v) Where any item is not relevant to this specific contract such item is marked N/A (signifying "not applicable")			
	vi) If Alternative A as set out in clause B10.3 hereinafter is to be used for the adjustment of the preliminaries each item priced is to be allocated to one or more of the three categories, where "F" denotes a fixed amount (amount not to be varied), "V" denotes an amount variable in proportion to value and "T" denotes an amount in proportion to time			
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	Bill No. 1			
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- vii) Any reference to the words "Tender" or "Tenderer" herein and/or in any other documentation shall be construed to have the same meaning as the words "Bid" or "Bidder"

SECTION A: JBCC PRINCIPAL BUILDING AGREEMENT

Definitions (A1)

1 Definitions and interpretation (clause 1)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

"**Construction guarantee**" means guarantee at call obtained by the **contractor** from an institution approved by the **employer** in terms of the **employer's** construction guarantee form as selected in the **schedule**

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

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

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

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

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

"**Fraudulent Practice**" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of any tenderer and includes collusive practice among tenderers (prior to or after the tender submission) designed to establish tender prices at artificial non-competitive levels and to deprive the tenderer of the benefits of free and open competition.

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

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

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

"**Principal Agent**" means the person or entity appointed by the **employer** and named in the **schedule**. In the event of a **principal agent** not being appointed, then all the duties and obligations of a **principal agent** as detailed in the **agreement** shall be fulfilled by a representative of the **employer** as named in the **schedule**.

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

"**Security**" means the form of security provided by the **employer** or **contractor**, as stated in the **schedule**, from which the **contractor** or **employer** may recover expense or loss

	Fixed	Item
2	Value Related	Item
3	Time Related	Item
<u>Objective and Preparation (A2 - A14)</u>		
4	Offer, acceptance and performance (clause 2)	
	Fixed	Item
5	Value Related	Item
6	Time Related	Item

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7	Documents (clause 3)		
	Clause 3.2.1 is amended by replacing "14.1" with "14.0"		
	Clause 3.7 is amended by the addition of the following:		
	The contractor shall supply and keep a copy of the JBCC Series 2000 Principal Building Agreement and Preliminaries applicable to this contract on the site , to which the employer, principal agent and agents shall have access at all times.		
	Clause 3.10 is amended by replacing the second reference to " principal agent " with the word " employer "		
	Fixed	Item	
8	Value Related	Item	
9	Time Related	Item	
10	Design responsibility (clause 4)		
	Fixed	Item	
11	Value Related	Item	
12	Time Related	Item	
13	Employer's agents (clause 5)		
	Fixed	Item	
14	Value Related	Item	
15	Time Related	Item	
16	Contractor's site representative (clause 6)		
	Fixed	Item	
17	Value Related	Item	
18	Time Related	Item	

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19	Compliance with laws and regulations (clause 7)		
	Note: A separate clause has been included in Section C: Specific Preliminaries of the bills of quantities for the contractor to have the opportunity to price for all the requirements of the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification		
	Fixed	Item	
20	Value Related	Item	
21	Time Related	Item	
22	Works risk (clause 8)		
	Fixed	Item	
23	Value Related	Item	
24	Time Related	Item	

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25	Indemnities (clause 9)			
	Clause 9.0 is amended by adding Clause 9.1.4: The contractor indemnifies and holds harmless the employer against all liability, losses, claims, damages, penalties, actions, proceedings or judgments (collectively referred to as "Losses") arising from any infringement of letters, patent design, trademark, name, copyright or other protected rights in respect of any machine, plant, work, materials, thing, system or method of using, fixing, working or arrangement used or fixed or supplied by the contractor, but such indemnity shall not cover any use of the equipment of part thereof otherwise than in accordance with the provisions of the specification. All payments and royalties payable in one sum or by instalments or otherwise shall be included by the contractor in the price and shall be paid by him to those to whom they may be payable. The contractor shall reimburse the employer for all legal and other costs and expenses, including without limitation attorney's fees on attorney-client scale incurred by the employer in connection with investigation, defending or settling any Losses in connection with pending or threatening litigation in which the employer is a party.			
		Fixed	Item	
26		Value Related	Item	
27		Time Related	Item	
28	Works insurances (clause 10)			
	Clause 10.0 is amended by the addition of the following clauses 10.5 Damage to the Works (a) Without in any way limiting the contractor's obligations in terms of the contract, the contractor shall bear the full risk of damage to and/or destruction of the works by whatever cause during construction of the works and hereby indemnifies and holds harmless the employer against any such damage. The contractor shall take such precautions and security measures and other steps for the protection and security of the works as the contractor may deem necessary			
		Carried to Collection		
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			R	

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- b) The **contractor** shall at all times proceed immediately to remove or dispose of any debris arising from damage to or destruction of the **works** and to rebuild, restore, replace and/or repair the **works**
- (c) The **employer** shall carry the risk of damage to or destruction of the **works** and material paid for by the **employer** that is the result of the excepted risks as set out in 10.6
- (d) Where the **employer** bears the risk in terms of this contract, the **contractor** shall, if requested to do so, reinstate any damage or destroyed portions of the **works** and the costs of such reinstatement shall be measured and valued in terms of 32.0 hereof

10.6 Injury to Persons or loss of or damage to Properties

- (a) The **contractor** shall be liable for and hereby indemnifies the **employer** against any liability, loss, claim or proceeding whether arising in common law or by statute, consequent upon personal injuries to or the death of any person whomsoever arising out of or in the course of or caused by the execution of the **works** unless due to any act or neglect of any person for whose actions the **employer** is legally liable
- (b) The **contractor** shall be liable for and hereby indemnifies the **employer** against any liability, loss, claim or proceeding consequent upon loss of or damage to any moveable or immovable or personal property or property contiguous to the **site**, whether belonging to or under the control of the **employer** or any other body or person, arising out of or in the course of or by reason of the execution of the **works** unless due to any act or neglect of any person for whose actions the **employer** is legally liable
- c) The **contractor** shall, upon receiving a **contract instruction** from the **principal agent**, cause the same to be made good in a perfect and workmanlike manner at his own cost and in default thereof the **employer** shall be entitled to cause it to be made good and to recover the cost thereof from the **contractor** or to deduct the same from amounts due to the **contractor**
- (d) The **contractor** shall be responsible for the

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protection and safety of such portions of the premises placed under his control by the **employer** for the purpose of executing the **works** until the issue of the **certificate of practical completion**

- (e) Where the execution of the **works** involves the risk of removal of or interference with support to adjoining properties including land or structures or any structures to be altered or added to, the **contractor** shall obtain adequate insurance and will remain adequately insured or insured to the specific limit stated in the contract against the death of or injury to persons or damage to such property consequent on such removal or interference with the support until such portion of the **works** has been completed
- (f) The **contractor** shall at all times proceed immediately at his own cost to remove or dispose of any debris and to rebuild, restore, replace and/or repair such property and to execute the **works**

10.7 High risk insurance

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

10.7.1 Damage to the works

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

When so instructed to do so by the principal agent, the contractor shall proceed immediately to remove and/or dispose of any debris arising from damage to or destruction of the works and to rebuild, restore, replace and/or repair the works, at the contractor

10.7.2 Injury to persons or loss of or damage to

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	property The contractor shall be liable for and hereby indemnifies and holds harmless the employer against any liability, loss, claim or proceeding arising at any time during the period of the contract whether arising in common law or by statute, consequent upon personal injuries to or the death of any person whomsoever resulting from, arising out of or caused by a catastrophic ground movement as mentioned above The contractor shall be liable for and hereby indemnifies the employer against any and all liability, loss, claim or proceeding consequent upon loss of or damage to any moveable or immovable or personal property or property contiguous to the site, whether belonging to or under the control of the employer or any other body or person whomsoever arising out of or caused by a catastrophic ground movement, as mentioned above, which occurred during the period of the contract 10.7.3 It is the responsibility of the contractor to ensure that he has adequate insurance to cover his risk and liability as mentioned in 10.7.1 and 10.7.2. Without limiting the contractor's obligations in terms of the contract, the contractor shall, within twenty-one (21) calendar days of the commencement date but before commencement of the works, submit to the employer proof of such insurance policy, if requested to do so 10.7.4 The employer shall be entitled to recover any and all losses and/or damages of whatever nature suffered or incurred consequent upon the contractor's default of his obligations as set out in 10.7.1; 10.7.2 and 10.7.3. Such losses or damages may be recovered from the contractor or by deducting the same from any amounts still due under this contract or under any other contract presently or hereafter existing between the employer and the contractor and for this purpose all these contracts shall be considered one indivisible whole		
	Fixed	Item	
29	Value Related	Item	
30	Time Related	Item	
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31	Liability insurances (clause 11)		
		Fixed	Item
32		Value Related	Item
33		Time Related	Item
34	Effecting insurances (clause 12)		
		Fixed	Item
35		Value Related	Item
36		Time Related	Item
37	No clause (clause 13)		Item
38	Security (clause 14)		
	Clause 14.0 is amended by:-		
	i) The addition of the following clauses:-		
	Clause 14.7.3		
	"Hand the site over to the contractor subject to agreement that shall be made between the employer and the contractor "		
		Fixed	Item
39		Value Related	Item
40		Time Related	Item

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

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60	Value Related	Item
61	Time Related	Item
62	Employer's direct contractors (clause 22)	
	<i>The Contractor shall allow the direct contractors and employers agents access to the work, allocate reasonable space in the building for storage of their materials, tools and equipment, all to the satisfaction of the Principal Agent. The contractor shall also allow the direct contractors, etc. free of charge, use of their ablution facilities and water and power supply to the and shall in no way hinder or prevent the execution of their works. Attendance may be priced against the relevant specified items in the bills of quantities.</i>	
	Fixed	Item
63	Value Related	Item
64	Time Related	Item
65	Contractor's domestic sub-contractors (Clause 23)	
	Fixed	Item
66	Value Related	Item
67	Time Related	Item
	<u>COMPLETION</u>	
	<u>Completion (A24-A30)</u>	
68	Practical completion (clause 24)	
	Fixed	Item
69	Value Related	Item
70	Time Related	Item
71	Works completion (clause 25)	
	Fixed	Item
72	Value Related	Item
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Add Clause 29.10 as follows:		
Clause 29.10 - Acceleration		
Clause 29.10.1 Irrespective of whether or not the principal agent rules that the contractor is entitled to an extension of time or a revision of the date for practical completion, the principal agent shall nevertheless, at any time, be entitled to instruct the contractor in writing to accelerate the progress of the remaining works to ensure that the works are completed by the original date for practical completion or revised date as the case may be. Clause 29.10.2 Upon receipt of such instruction, the contractor shall take all necessary steps to ensure that the works are completed timeously including the provision by him of additional resources, plant, manpower, etc and the working overtime or additional overtime beyond that contemplated at the time of tender (at all times adhering to the regulations and requirements of all authorities) and by all other adequate and proper means and methods. The contractor shall prove that such steps are being taken if called upon to do so. Clause 29.10.3 The contractor's entitlement to compensation arising out of or in respect of any revision to the date for practical completion that may have been granted by the principal agent or alternatively where the principal agent has instructed the contractor to accelerate, shall be adjudicated strictly in terms of clause 32.		
	Fixed	Item
84	Value Related	Item
85	Time Related	Item
86	Penalty for non-completion (clause 30)	
Clause 30 is amended by replacing reference to 36.3 at end of sentence with 36.0		
	Fixed	Item
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87	Value Related	Item	
88	Time Related	Item	
<u>Payment (A31 - A35)</u>			
89	Interim payment to the contractor (clause 31)		
	Clause 31.9 is amended by replacing "seven (7) calender days" with "thirty (30) calender days" and by deleting the words "subject to the contractor giving the employer a tax invoice for the amount due"		
	Clause 31.12 is amended by deleting the following		
	Payment shall be subject to the employer giving the contractor a tax invoice for the amount due		
	Fixed	Item	
90	Value Related	Item	
91	Time Related	Item	
92	Adjustment to the contract value (clause 32)		
	Clause 32.0		
	Clauses 32.5.1, 32.5.4 and 32.5.7 are amended by the addition of the following at the end of the sentence:		
	"due to no fault of the contractor "		
	Fixed	Item	
93	Value Related	Item	
94	Time Related	Item	
95	Recovery of expense and loss (clause 33)		
	Fixed	Item	
96	Value Related	Item	
97	Time Related	Item	
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98	Final account and final payment (clause 34)		
	Clause 34.0		
	Clause 34.2 is amended by inserting # next to 34.2		
	Clause 34.13 is amended by replacing "seven (7) calendar days " with "thirty (30) calendar days " and deleting the words "subject to the employer giving the contractor a tax invoice for the amount due"		
	Fixed	Item	
99	Value Related	Item	
100	Time Related	Item	
101	Payment to other parties (clause 35)		
	Fixed	Item	
102	Value Related	Item	
103	Time Related	Item	

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<u>Cancellation (A36-A39)</u>			
104	Cancellation by employer - contractor's default (clause 36) Clause 36.1 is amended by the additions of the following clauses: 36.1.3 refuses or neglects to comply strictly with any of the conditions of contract 36.1.4 estate being sequestrated, liquidated or surrendered in terms of the insolvency laws in force within the Republic of South Africa 36.1.5 in the judgement of the employer, has engaged in corrupt or fraudulent practices in competing for or in executing the contract Clause 36.3 is amended by removing the reference to "No clause" and replacing the words "principal agent" with "employer" Clause 36.0 is amended by the addition of the following clause: 36.7 Notwithstanding any clause to the contrary, on cancellation of this agreement either by the employer or the contractor; or for any reason whatsoever, the contractor shall on written instruction, discontinue with the works on a date stated and withdraw himself from the site. The contractor shall not be entitled to refuse to withdraw from the works on the grounds of any lien or right of retention or on the grounds of any other right whatsoever		
	Fixed	Item	
105	Value Related	Item	
106	Time Related	Item	
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107	Cancellation by employer - loss and damage (clause 37) Clause 37.3.5 is amended by replacing "ninety (90)" with "one-hundred and twenty (120)" Clause 37.0 is amended by the addition of the following clause: 37.5 Notwithstanding any clause to the contrary, on cancellation of this agreement either by the employer or the contractor; or for any reason whatsoever, the contractor shall on written instruction, discontinue with the works on a date stated and withdraw himself from the site. The contractor shall not be entitled to refuse to withdraw from the works on the grounds of any lien or right of retention or on the grounds of any other right whatsoever	Fixed	Item
108		Value Related	Item
109		Time Related	Item
110	Cancellation by contractor - employer's default (clause 38) Clause 38.5.4 is amended by replacing "ninety (90)" with "one-hundred and twenty (120)" Clause 38.0 is amended by the addition of the following clause: 38.7 Notwithstanding any clause to the contrary, on cancellation of this agreement either by the employer or the contractor; or for any reason whatsoever, the contractor shall on written instruction, discontinue with the works on a date stated and withdraw himself from the site. The contractor shall not be entitled to refuse to withdraw from the works on the grounds of any lien or right of retention or on the grounds of any other right whatsoever	Fixed	Item
111		Value Related	Item
112		Time Related	Item
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113	Cancellation - cessation of the works (clause 39)		
	Clause 39.3.5 is amended by the addition of the following at the end of the sentence: "within one-hundred and twenty (120) working days of completion of such report"		
	Fixed	Item	
114	Value Related	Item	
115	Time Related	Item	
	<u>Dispute Settlement (A40)</u>		
116	Disputes Settlement (clause 40)		
	Clause 40.2.2 is amended by replacing "one (1) year" with "three (3) years"		
	Clause 40.6 is amended by removing the reference to:		
	No clause		
	Clause 40.7.1 is amended by replacing "(10)" with "(15)" and by the addition of the following:		
	Whether or not mediation resolves the dispute, the parties shall bear their own cost concerning the mediation and equally share the costs of the mediator and related costs.		
	Fixed	Item	
117	Value Related	Item	
118	Time Related	Item	
	<u>State Provision (A41)</u>		
119	State Substitutions (clause 41)		
	Delete in the Substitute Provisions (41.0 State Clauses) clauses 40.2.1, 40.2.2, 40.3, 40.4, 40.5 and 40.6 and replace with the following:		
	40.1 Should any dispute between the employer , his agents or principal agent on the one hand and		
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the contractors on the other arise out of this **agreement**, such dispute shall be referred to adjudication.

40.2 Adjudication shall be conducted in accordance with the edition of the JBCC Rules for Adjudication current at the time when the dispute is declared. The party, which raises the dispute, shall select three adjudicators from the panel of adjudicators published by the South African Institution of Civil Engineering or Association of Arbitrators (Southern Africa), determine their hourly fees and confirm that these adjudicators are available to adjudicate the dispute in question. The other party shall then select within 7 days one of the three nominated adjudicators, failing which the chairman for the time being of the Association of Arbitrators (Southern Africa) shall nominate an adjudicator. The **adjudicator** shall be appointed in terms of the Adjudicators Agreement set out in C1.4 .

40.3 If provided in the **schedule**, a dispute shall be finally settled by a single Arbitrator to be agreed on between the parties or, failing such agreement within 28 days after referring the dispute to Arbitration, an Arbitrator nominated by the chairman for the time being of the Association of Arbitrators (Southern Africa). Any such reference shall be deemed to be a submission to the arbitration of a single arbitrator in terms of the Arbitration Act (Act No 42 of 1965, as amended), or any legislation passed in substitution therefore. In the absence of any other agreed procedure, the arbitration shall take place in accordance with the Rules for the Conduct of Arbitrations issued by the Association of Arbitrators (Southern Africa) which are current at the time of the referral to arbitration. The Arbitrator shall, in his award, set out the facts and the provisions of the contract on which his award is based.

40.4 If the **schedule** provides for court proceedings to finally resolve disputes, disputes shall be determined by court proceedings.

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	Fixed	Item
120	Value Related	Item
121	Time Related	Item
<u>Contract Variables (A41)</u>		
122	The Schedule (clause 42)	
	<i>Tenderers are referred to the Contract Data and Notes to Tenderes for variable pertaining to this contract</i>	
	Fixed	Item
123	Value Related	Item
124	Time Related	Item
<u>SECTION B: PRELIMINARIES</u>		
<u>Definition and interpretation (B1)</u>		
125	Definition and interpretation	
	See also clause A1.0 of Section A for additional and/or amended definitions which shall apply equally to this Section	
	Fixed	Item
126	Value Related	Item
127	Time Related	Item

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	<u>Documents (B2)</u>		
128	Checking of documents (B2.1)		
	<i>These bills of quantities:</i>		
	<i>(1) contain pages and annexes as indexed, and;</i>		
	<i>(2) are in multiple procurement format, i.e. all trades are fully measured with minor budgetary allowances</i>		
	<i>Items in these bills of quantities are to be read and priced in conjunction with and the descriptions regarded as amplified by the Model Preambles for Trades, 2008 edition, as recommended and published by the Association of South African Quantity Surveyors and no claim arising from brevity of description of items fully described in the said Model Preambles for Trades will be entertained</i>		
	Fixed	Item	
129	Value Related	Item	
130	Time Related	Item	
131	Provisional bills of quantities (B2.2)		
	Fixed	Item	
132	Value Related	Item	
133	Time Related	Item	
134	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	
135	Value Related	Item	
136	Time Related	Item	
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137	Interests of agents (B2.4)		
		Fixed	Item
138		Value Related	Item
139		Time Related	Item
140	Priced documents (B2.5)		
		Fixed	Item
141		Value Related	Item
142		Time Related	Item
143	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>		
	<i>Clause 2.6 is amended by replacing "JBCC Form of Tender" with "Form of Offer and Acceptance C1.1"</i>		
		Fixed	Item
144		Value Related	Item
145		Time Related	Item
	<u>The site (B3)</u>		
146	Defined works area (B3.1)		
		Fixed	Item
147		Value Related	Item
148		Time Related	Item
149	Geotechnical investigation (B3.2)		
		Fixed	Item
150		Value Related	Item
151		Time Related	Item

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152	Inspection of the site (B3.3)		
	<i>Tenderers are instructed to familiarise themselves before submission of their tender with regard to the relevant local site conditions, site accessibility, the nature of operations required, availability of labour and any conditions pertaining thereto, together with conditions relating to unloading, carting and storage of materials, equipment and tools required for the works.</i>		
	<i>No claims for extras arising from the contractor having failed to comply with this clause will be entertained</i>		
	Fixed	Item	
153	Value Related	Item	
154	Time Related	Item	
155	Existing premises occupied (B3.4)		
	Fixed	Item	
156	Value Related	Item	
157	Time Related	Item	
158	Previous work - dimensional accuracy (B3.5)		
	<i>Work executed under a previous contract and the extent thereof will be pointed out to the contractor by the principal agent on handing over of the site</i>		
	Fixed	Item	
159	Value Related	Item	
160	Time Related	Item	
161	Previous work - defects (B3.6)		
	Fixed	Item	
162	Value Related	Item	
163	Time Related	Item	

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164	Services - known (B3.7)		
		Fixed	Item
165		Value Related	Item
166		Time Related	Item
167	Services - unknown (B3.8)		
		Fixed	Item
168		Value Related	Item
169		Time Related	Item
170	Protection of trees, etc (B3.9)		
		Fixed	Item
171		Value Related	Item
172		Time Related	Item
173	Articles of value (B3.10)		
		Fixed	Item
174		Value Related	Item
175		Time Related	Item
176	Inspection of adjoining properties, etc (B3.11)		
		Fixed	Item
177		Value Related	Item
178		Time Related	Item

Management of contract (B4)

179	Management of the works (B4.1)		
		Fixed	Item
180		Value Related	Item

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181	Time Related	Item
182	Programming for the works (B4.2) Clause B4.2 is hereby amended by the addition of the following: Programme: The contractor and the principal agent shall agree to a Contract Programme for the control of the Works. The contractor shall submit a draft of the Contract Programme and method statement to the principal agent for approval together with the tender. The contractor shall ensure that the contract programme: 1. Shall be prepared and drawn up to comply in all respects with the requirements of this Agreement. 2. shall be drawn up using logic developed during the tender period and complies with the planning requirements of the Client. 3. shall be in accordance with the dates given herein for possession and practical completion; and 4. shall be in sufficient and approved detail to ensure effective control of the work, including all items necessary to enable calculations to be made for the distribution of finance during the cashflow analysis. 5. shall be accompanied by a full written method statement The principal agent shall examine and comment on the contract programme and method statement within two weeks of its submission. Following on these comments the contractor shall amend the contract programme and method statement as may be necessary and submit the final contract programme and method statement to the principal agent for approval within a further two weeks thereafter. The contract programme shall be processed by computer and be presented to the principal agent in the form of logic charts and bar charts in such a way as to determine the critical path and the float on non-critical activities. All supporting printouts must be available to	
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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.

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

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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 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.

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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:

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

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	entitling the contractor to the payment by the employer in terms of the contract of any loss, compensation or damage whatsoever.		
	The contractor acknowledges that the principal agent's foregoing participation in the approval of development of, revisions to and updating of the Contract Programme shall take place in consultation with the principal agent. The contractor shall therefore provide the principal agent with such co-operation and/or information and/or access as they may reasonably require for such purposes.		
	Fixed	Item	
183	Value Related	Item	
184	Time Related	Item	
185	Progress meetings (B4.3)		
	Fixed	Item	
186	Value Related	Item	
187	Time Related	Item	
188	Technical meetings (B4.4)		
	Fixed	Item	
189	Value Related	Item	
190	Time Related	Item	
191	Labour and plant records (B4.5)		
	Fixed	Item	
192	Value Related	Item	
193	Time Related	Item	
	<u>Samples, shop drawings and manufacturer's instructions (B5)</u>		
194	Samples of materials (B5.1)		
	Fixed	Item	
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195		Value Related	Item
196		Time Related	Item
197	Workmanship samples (B5.2)		
		Fixed	Item
198		Value Related	Item
199		Time Related	Item
200	Shop drawings (B5.3)		
		Fixed	Item
201		Value Related	Item
202		Time Related	Item
203	Compliance with manufacturer's instructions (B5.4)		
		Fixed	Item
204		Value Related	Item
205		Time Related	Item
	<u>Temporary works and plant (B6)</u>		
206	Deposits and fees (B6.1)		
		Fixed	Item
207		Value Related	Item
208		Time Related	Item
209	Enclosure of the works (B6.2)		
		Fixed	Item
210		Value Related	Item
211		Time Related	Item

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212	Advertising (B6.3)		
		Fixed	Item
213		Value Related	Item
214		Time Related	Item
215	Plant, equipment, sheds and offices (B6.4)		
		Fixed	Item
216		Value Related	Item
217		Time Related	Item
218	Main notice board (B6.5)		
		Fixed	Item
219		Value Related	Item
220		Time Related	Item
221	Subcontractors notice board (B6.6)		
		Fixed	Item
222		Value Related	Item
223		Time Related	Item
	<u>Temporary services (B7)</u>		
224	Location (B7.1)		
		Fixed	Item
225		Value Related	Item
226		Time Related	Item
227	Water (B7.2)		
		Fixed	Item
228		Value Related	Item

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229		Time Related	Item
230	Electricity (B7.3)		
		Fixed	Item
231		Value Related	Item
232		Time Related	Item
233	Telecommunication facilities (B7.4)		
		Fixed	Item
234		Value Related	Item
235		Time Related	Item
236	Ablution facilities (B7.5)		
		Fixed	Item
237		Value Related	Item
238		Time Related	Item
	<u>Prime cost amounts (B8)</u>		
239	Responsibility for prime cost amounts (B8.1)		
		Fixed	Item
240		Value Related	Item
241		Time Related	Item
	<u>Attendance on nominated and selected subcontractors (B9)</u>		
242	General attendance (B9.1)		
	The schedule rates providing for attendance on nominated subcontractors and other contractors , will be adjusted only if the scope of the work has changed		
		Fixed	Item
243		Value Related	Item
244		Time Related	Item
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245	Special attendance (B9.2)		
		Fixed	Item
246		Value Related	Item
247		Time Related	Item
248	Commissioning - Fuel, water and electricity (B9.3)		
		Fixed	Item
249		Value Related	Item
250		Time Related	Item
	<u>Financial aspects (B10)</u>		
251	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
252		Value Related	Item
253		Time Related	Item
254	Payment of preliminaries (B10.2)		
		Fixed	Item
255		Value Related	Item
256		Time Related	Item
257	Adjustment of preliminaries (B10.3)		
	Clauses B10.3.1 and B10.3.2 are amended by replacing "within fifteen (15) working days of taking possession of the site " with "when submitting his priced bills of quantities "		
		Fixed	Item
258		Value Related	Item
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259		Time Related	Item
260	Payment certificate cash flow (B10.4)		
		Fixed	Item
261		Value Related	Item
262		Time Related	Item
	<u>General (B11)</u>		
263	Protection of works (B11.1)		
		Fixed	Item
264		Value Related	Item
265		Time Related	Item
266	Protection/isolation of existing/sectionally occupied works(B11.2)		
		Fixed	Item
267		Value Related	Item
268		Time Related	Item
269	Site security (B11.3)		
		Fixed	Item
270		Value Related	Item
271		Time Related	Item
272	Notice before covering work (B11.4)		
		Fixed	Item
273		Value Related	Item
274		Time Related	Item
275	Disturbance (B11.5)		
		Fixed	Item

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276		Value Related	Item
277		Time Related	Item
278	Enviromental disturbance (B11.6)		
		Fixed	Item
279		Time Related	Item
280		Value Related	Item
281	Works cleaning and clearing (B11.7)		
		Fixed	Item
282		Value Related	Item
283		Time Related	Item
284	Vermin (B11.8)		
		Fixed	Item
285		Value Related	Item
286		Time Related	Item
287	Overhand work (B11.9)		
		Fixed	Item
288		Value Related	Item
289		Time Related	Item
290	Instruction manuals and guarantees (B11.10)		
		Fixed	Item
291		Value Related	Item
292		Time Related	Item
293	As built information (B11.11)		
		Fixed	Item

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294	Value Related	Item
295	Time Related	Item
296	Tenant installations (B11.12)	
	Fixed	Item
297	Value Related	Item
298	Time Related	Item
<u>Schedule of variables (B12)</u>		
299	Pre-tender information (B12.1)	
This schedule contains all variables referred to in this document and is divided into pretender and post-tender categories. The pre-tender category must be completed in full and included in the tender documents. Both the pre-tender and post-tender categories form part of these Preliminaries .		
	Fixed	Item
300	Value Related	Item
301	Time Related	Item
12.1.1 Provisional bills of quantities (B12.1.1)		
The quantities are provisional:		
	Yes	
12.1.2 Availability of construction documentation (B12.1.2)		
Construction documentation is complete:		
12.1.3 Interest of agents (B12.1.3)		
	No	
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12.1.4	Defined works area (B12.1.4) <i>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</i>		
12.1.5	Geotechnical investigation (B12.1.5) The geotechnical report is available for viewing at the offices of the Principal Agent Yes		
12.1.6	Existing premises occupied (B12.1.6) [3.4] Specific requirements: None		
12.1.7	Previous work - Dimensional accuracy (B12.1.7) [3.5] Details: No additional details No		
12.1.8	Previous work - defects [3.6] Details: No additional details		
12.1.9	Services - known (B12.1.9) <i>Existing services and points of connection are shown on the site plan and/or will be pointed out on site by the principal agent</i>		
12.1.10	Protection of trees [3.9] Specific requirements: No trees to be damaged or removed except those specifically designated in writing by the Architect		
12.1.11	Inspection of adjoining properties [3.11] Specific requirements: None		
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12.1.12 Enclosure of the works**[6.2] Specific requirements:**

Areas where work is taking place shall at all times be blocked off by appropriate means

12.1.13 Offices**[6.4.3] Specific requirements:**

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

12.1.14 Main notice board**[6.5] Specific requirements:**

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

12.1.15 Subcontractors' notice board

[6.6] A notice board is required (yes/no)

NO

Specific requirements:

12.1.16 Water

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

YES

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12.1.17 <i>Electricity</i>		
[7.3] YES	Option A (by contractor)	(yes/no)
12.1.18 <i>Telecommunications</i>		
[7.4] YES	Telephone	(yes/no)
YES	Facsimile	(yes/no)
YES	E-mail	(yes/no)
12.1.19 <i>Ablution facilities</i>		
[7.5] YES	Option A (by contractor)	(yes/no)
NO	Option B (by employer)	(yes/no)
12.1.20 <i>Protection of existing/sectionally occupied works</i>		
[11.2] YES	Protection is required	(yes/no)
12.1.21 <i>Special attendance</i>		
The contractor must obtain information from all subcontractors at tender stage regarding special attendance that might be required and make allowance for each and every subcontract that requires special attendance		
[9.2]	Subcontractor (1) Details:	
	Subcontractor (2) Details:	
	Subcontractor (3) Details:	
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	12.1.22 Protection of the works		
	[11.1] Specific requirements: All work that requires protection during construction must be adequately protected up to practical completion by the contractor		
	12.1.23 Disturbance		
	[11.5] Specific requirements: The contractor shall keep the site, structures, etc well watered during operations to prevent dust and shall provide and erect and remove on completion of the works all necessary temporary dust screens all to the satisfaction of the principal agent		
	12.1.24 Environmental disturbance		
	[11.6] Specific requirements: None		
302	Post-tender information (B12.2)		
	All post-tender information for this section will be determined once tender is awarded		
	Fixed	Item	
303	Value Related	Item	
304	Time Related	Item	
	12.2.1 Payment of preliminaries		
	[10.2] Option A (prorated) (yes/no)		
	YES		
	Option B (calculated) (yes/no)		
	NO		
	12.2.2 Adjustment of preliminaries		
	[10.3] Option A (three categories) (yes/no)		
	YES		
	Option B (detailed breakdown) (yes/no)		
	NO		
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	12.2.3 Additional agreed preliminaries items		
	Details: None		
305	Other post tender information (B12.3)		
	All post-tender information for this section will be determined once tender is awarded		
	Fixed	Item	
306	Value Related	Item	
307	Time Related	Item	
	<u>SECTION C: SPECIFIC PRELIMINARIES</u>		
	Section C contains specific preliminary items which apply to this contract except where N/A (Not Applicable) appears against an item		
308	Clause C1 - Contract drawings		
	The drawings issued with the tender documents do not comprise the complete set but serve as a guide only for tendering purposes and for indicating the scope of the work to enable the tenderer to acquaint himself with the nature and extent of the works and the manner in which they are to be executed		
	Should any part of the drawings not be clearly understood by the the tenderer he shall, before submitting his tender, obtain clarification in writing from the principal agent		
	Fixed	Item	
309	Value Related	Item	
310	Time Related	Item	
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311	Clause C2 - General Preambles		
	The "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the trades is deemed to be included herein and shall be read in conjunction with the bills of quantities and be referred to for the full descriptions of work to be done and materials to be used.		
	Fixed	Item	
312	Value Related	Item	
313	Time Related	Item	
314	Clause C3 - Site instructions		
	All site instructions issued on site shall be recorded in writing within seven (7) calendar days in site instruction book (A4 size and triplicate carbon format), which is to be provided and maintained by the contractor. The said site instruction book shall be kept on site at all times for the exclusive use of recording site instructions only		
	Site instructions may be issued by the architect or any of the consultants only. Copies of the site instructions are to be submitted to the architect and quantity surveyor within seven (7) calendar days of such recording in the site instruction book		
	Fixed	Item	
315	Value Related	Item	
316	Time Related	Item	
317	Clause C4 - Trade Names		
	Wherever a trade name for any product has been described in the bills of quantities , the tenderer's attention is drawn to the fact that any other product of equal quality may be used subject to the written approval of the principal agent being obtained prior to the closing date for submission of tenders		
	If prior written approval for an alternative product is not obtained, the product described shall be deemed to have been tendered for		
	Fixed	Item	
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318	Value Related	Item	
319	Time Related	Item	
320	Clause C5 - Overtime		
	Should overtime be required to be worked for any reason whatsoever, the costs of such overtime are to be borne by the contractor unless the principal agent has specifically authorized and indicated in writing, prior to the execution thereof, that costs for such overtime will to be borne by the employer		
	Fixed	Item	
321	Value Related	Item	
322	Time Related	Item	
323	Clause C6 - As-built drawings		
	The position of construction breaks and the extent of individual concrete pours are to be recorded by the contractor on the structural engineer's drawings and are to be submitted to the principal agent and the structural engineer for their records		
	Fixed	Item	
324	Value Related	Item	
325	Time Related	Item	
326	Clause C5 - Labour record		
	At the end of each week the contractor shall provide the principal agent with a written record, in schedule form, reflecting the number and description of tradesmen and labourers employed by him and all subcontractors on the works each day		
	Fixed	Item	
327	Value Related	Item	
328	Time Related	Item	
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329 **Clause C6 - Plant record**

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

Fixed

Item

330 Value Related

Item

331 Time Related

Item

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

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

Fixed

Item

333 Value Related

Item

334 Time Related

Item

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335	Clause C8 - Occupational Health and Safety Act		
	The contractor shall comply with all the requirements set out in the Construction Regulations, 2003 issued under the Occupational Health and Safety Act, 1993 (Act No 85 of 1993).		
	It is required of the contractor to thoroughly study the latest Health and Safety Specification that must be read together with and is deemed to be incorporated under this Section of the bills of quantities / lump sum document .		
	The contractor must take note that compliance with the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is compulsory. In the event of partial or total non-compliance, the principal agent , notwithstanding the provisions of clause A31.0 of Section A or any other clause to the contrary, reserves the right to delay issuing any progress payment certificate until the contractor provides satisfactory proof of compliance. The contractor shall not be entitled to any compensation of whatsoever nature, including interest, due to such delay of payment.		
	Provision for pricing of the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is made under this clause and it is explicitly pointed out that all requirements of the aforementioned are deemed to be priced hereunder and no additional claims in this regard shall be entertained.		
	Fixed	Item	
336	Value Related	Item	
337	Time Related	Item	
338	Clause C9 - Viewing of the school areas		
	The site is situated in a school area and the tenderer must arrange with the Principal or other responsible school staff to obtain permission to enter the site for tendering purposes		
	Fixed	Item	
339	Value Related	Item	
340	Time Related	Item	
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341	Clause C10 - Commencement of Works in School Areas		
	As the works falls within a school area the contractor must give the Principal or other responsible staff member notice before commencement of the works . Should the contractor fail to make such arrangements, admission to the site may be refused and any additional costs will be for the contractor's account		
	Fixed	Item	
342	Value Related	Item	
343	Time Related	Item	
344	Clause C11 - Entrance Permits to School Areas		
	As the works falls within a school area the contractor shall obtain entrance permits for his personnel and workmen entering the area and shall comply with all regulations and instructions which may be issued from time to time regarding the protection of persons and property under the control of the Principal, or chief security officer		
	Fixed	Item	
345	Value Related	Item	
346	Time Related	Item	
347	Clause C12 - Security Check of Personnel		
	The principal agent may require the contractor to have his personnel and workmen, or a certain number of them, security classified		
	In the event of the principal agent requesting the removal of a person or persons from the works for security reasons, the contractor shall do so forthwith and shall thereafter ensure that such person or persons are denied access to the works and the site and/or to any document or information relating to the works		
	Fixed	Item	
348	Value Related	Item	
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349	Time Related	Item
350	Clause C13 - HIV/Aids Awareness	
	It is required of the contractor to thoroughly study the HIV/AIDS Specification (PW 1544) of the Department that must be read together with and is deemed to be incorporated under this Section of the bills of quantities . Provision for pricing of HIV/AIDS awareness is made under Items C10.1 to C10.5 hereafter and it is explicitly pointed out that all requirements of the aforementioned specification are deemed to be priced hereunder, as the said items represent the only method of measurement and no additional items or extras to the contract in this regard shall be entertained	
	The contractor must take note that compliance with the HIV/AIDS Specification is compulsory. In the event of partial or total non-compliance, the principal agent , notwithstanding the provisions of Clause A 31.0 of Section A or any other clause to the contrary, reserves the right to delay issuing any progress payment certificate until the contractor provides satisfactory proof of compliance. The contractor shall not be entitled to any compensation of whatsoever nature, including interest, due to such delay of payment	
	Fixed	Item
351	Value Related	Item
352	Time Related	Item
353	Clause C13.1 - Awareness Champion	
	Selection, appointment, briefing and making available of an Awareness Champion including provision of all relevant services, all in accordance with the HIV/AIDS Specification	
	Fixed	Item
354	Value Related	Item
355	Time Related	Item

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356	Clause C13.2 - Awareness Workshop		
	Selection and appointment of a competent Service Provider approved by the principal agent , provision of a Service Provider Workshop Plan and a suitable venue, conducting of awareness workshops by means of traditional and/or modern multi-media techniques, including follow-up courses, making available all tuition material and performing assessment procedures, all in accordance with the HIV/AIDS Specification		
	Fixed	Item	
357	Value Related	Item	
358	Time Related	Item	
359	Clause C13.3 - Posters, booklets, videos, etc.		
	Provision, displaying, maintaining and replacing when necessary of four plastic laminated posters, booklets and educational videos, etc. for the duration of the construction period , all in accordance with the HIV/AIDS Specification		
	Fixed	Item	
360	Value Related	Item	
361	Time Related	Item	
362	Clause C13.4 - Access to Condoms		
	Provision and maintenance of condom dispensers fixed in position, including male and female condoms, replenishing male and female condoms on a daily basis as required for the duration of the construction period , all in accordance with the HIV/AIDS Specification		
	Fixed	Item	
363	Value Related	Item	
364	Time Related	Item	

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365 **Clause C13.5- Monitoring**

Monitoring HIV/AIDS awareness of workers, providing the **principal agent** with access to information including making available all reports, thoroughly completed and reflecting the correct information, for the duration of the **construction period** and close out, all in accordance with the HIV/AIDS Specification

Fixed

Item

366

Value Related

Item

367

Time Related

Item

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<u>Soil poisoning</u>		
Ant and weed poisoning will be applied in accordance to SABS specifications by Registered and Approved Specialists who will issue a five (5) year guarantee. The contractor will only be paid for this items once they have produced the said certificate to the Principal Agent		
<u>SITE CLEARANCE ETC</u>		
<u>Site clearance</u>		
1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc	m2 347
<u>BULK EXCAVATION, FILLING, ETC</u>		
<u>Open face excavation in earth over sloping site</u>		
2	Open face excavation	m3 57
<u>Extra over bulk excavation in earth for excavation in</u>		
3	Soft rock	m3 2
4	Hard rock	m3 2
<u>Risk of collapse of excavations</u>		
5	Sides of bulk excavations not exceeding 1,5m deep	m2 234
<u>Extra over all excavations for carting away</u>		
6	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3 12
<u>Keeping excavations free of water</u>		
7	Keeping excavations free of all water other than subterranean water	Item
<u>Earth filling of G6 material supplied by the contractor, compacted to 95% Mod AASHTO density</u>		
8	Over site to form platforms and compacted in 150mm thick layers	m3 57
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<u>EXCAVATION, FILLING, ETC -ABLUTION BLOCK</u>			
<u>Excavation in earth not exceeding 2m deep</u>			
9	Trenches	m3	12
10	Holes for tanks, etc.	m3	0.2
11	Holes for Enviroloo Tank	m3	25
<u>Extra over trench and hole excavations in earth for excavation in</u>			
12	Soft rock	m3	1
13	Hard rock	m3	1
<u>Extra over all excavations for carting away</u>			
14	Surplus material from excavations on site to a dumping site to be located by the contractor	m3	15
<u>Risk of collapse of excavations</u>			
15	Sides of trench and hole excavations not exceeding 1,5m deep	m2	59
<u>Keeping excavations free of water</u>			
16	Keeping excavations free of all water other than subterranean water		Item
<u>Earth filling obtained from the excavations and /or prescribed stock piles on site including compacted to 93% Mod AASHTO density</u>			
17	Under floors, steps, paving, etc	m3	7
18	Backfilling to trenches, holes, etc	m3	15
<u>Earth filling supplied by the contractor compacted to 93% Mod AASHTO density</u>			
19	Under floors, steps, paving etc.	m3	14
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<u>Compaction of surfaces</u>		
20	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 175
21	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 (Ramps)	m2 10
22	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 (Tank stands)	m2 2
<u>Prescribed density tests on filling</u>		
23	"Modified AASHTO Density"	No 10
<u>SOIL POISONING</u>		
<u>Soil insecticide</u>		
24	To bottoms and sides of trenches etc	m2 95
25	Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m2 175
<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>		
<u>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>		
<u>15MPa/19mm concrete</u>		
26	Surface blinding under footings and bases	m3 1
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<u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>		
<u>25MPa/19mm concrete</u>		
27	Strip footings	m3 6
28	Surface bed of rainwater tanks, etc.	m3 0.2
29	Surface beds in tank bottoms	m3 3
<u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>		
<u>30Mpa/19mm concrete</u>		
30	Raft foundations	m3 74
<u>FINISHING TOP SURFACE OF CONCRETE</u>		
<u>Finishing top surfaces of concrete smooth with a wood float/steel trowel</u>		
31	Surface beds, slabs, etc (rainwater tanks)	m2 2
32	Surface beds, slabs, etc (Bottom of tanks)	m2 12
<u>SMOOTH FORMWORK (DEGREE OF ACCURACY I)</u>		
<u>Smooth formwork to sides</u>		
33	Edges, risers, ends and reveals not exceeding 300mm high or wide	m 97
<u>PERMANENT FORMWORK TO SOFFITS</u>		
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	<u>Permanent formwork formed of 0.6mm thick corrugated sheeting supported by carbolenium treated gumpoles to the satisfaction of the principal agent to:</u>		
34	Slabs propped up not exceeding 1,5m high	m2	10
35	Form 500mm radius opening in floor slab	No	4
	<u>REINFORCEMENT</u>		
	<u>Mild tensile steel reinforcement to structural concrete work</u>		
36	8mm Diameter bars	t	0.22
	<u>High tensile steel reinforcement to structural concrete work</u>		
37	12mm Diameter bars	t	0.51
	<u>Fabric reinforcement</u>		
38	Steeledale Mesh standard square fabric mesh, nominal mass 1,93 kg/m ² with nominal 5,6mm thick wires and 200 x 200mm pitch (code 193), complying with SANS 1024/2006 requirements, in sheets 2,4 x 6m long (rainwater tank stands)	m2	2
39	Steeledale Mesh standard square fabric mesh, nominal mass 1,93 kg/m ² with nominal 5,6mm thick wires and 200 x 200mm pitch (code 193), complying with SANS 1024/2006 requirements, in sheets 2,4 x 6m long. (Bottom slab of enviroloo toilets)	m2	126
	<u>TEST CUBES</u>		
40	Allow for preparing a set of three concrete strength test cubes, each size 150 x 150 x 150mm, sending them to an approved Testing Laboratory for testing and paying all charges in connection therewith.	Sets	12

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	<u>Brickwork of NFP bricks in class II mortar</u>		
41	Half brick wall brick-on-flat and projecting approximately 115mm built all around tank pit as support to Enviro loo tanks	m	21
42	One brick walls	m2	27
43	One brick walls-in holes	m2	26
	<u>Brickwork reinforcement</u>		
44	150mm Wide reinforcement built in horizontally	m	618

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Item
No

Quantity

Rate

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SECTION NO.2**BILL NO.2****CONCRETE, FORMWORK AND
REINFORCEMENT**

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

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

Breeze concrete shall consist of twelve parts clean dry furnace ash, free from coal or other foreign matter, to one part cement (12:1), the ash graded up to particles which will pass a 16,5mm ring from a minimum which fails to pass a 4,75mm mesh. The finer materials from the screening are to be first mixed with the cement into a mortar and the ash added afterwards and thoroughly incorporated

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

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

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

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

UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES

20MPa/19mm concrete

1	Ramps	m3	0.2
2	Vanity slabs for hand wash station, etc	m3	0.4

REINFORCED CONCRETE

30MPa/19mm concrete

3	Surface beds cast in panels on waterproofing.	m3	18
4	Slabs	m3	0.2

SMOOTH FORMWORK (DEGREE OF ACCURACY I)

Smooth formwork to sides

5	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	1
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Smooth formwork to soffits

6	Soffit of slabs	m2	2
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<u>CONCRETE SUNDRIES</u>		
<u>Finishing top surfaces of concrete smooth with a steel trowel</u>		
7	Ramps to falls	m2 2
8	Surface beds, slabs, etc	m2 183
9	On vanity slabs for hand wash basins	m2 4
<u>TEST CUBES</u>		
10	Allow for preparing a set of three concrete strength test cubes, each size 150 x 150 x 150mm, sending them to an approved Testing Laboratory for testing and paying all charges in connection therewith	Sets 16
<u>MOVEMENT JOINTS ETC</u>		
<u>Saw cut joints</u>		
11	5 x 25mm Saw cut joints on top of concrete	m 40
<u>DIVIDING STRIPS, ETC.</u>		
12	6 x 38mm Angle iron step guard cast into concrete with 3 x 6mm anchors	m 5
<u>REINFORCEMENT (PROVISIONAL)</u>		
<u>Fabric reinforcement</u>		
13	Steeledale Mesh standard square fabric mesh, nominal mass 1,93 kg/m ² with nominal 5,6mm thick wires and 200 x 200mm pitch (code 193), complying with SANS 1024/2006 requirements, in sheets 2,4 x 6m long.	m2 165
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CONSTRUCTION OF NEW PRISKA ECD

3	One brick walls	m2	306
<u>BRICKWORK SUNDRIES</u>			
<u>Brickwork reinforcement</u>			
4	75mm Wide reinforcement built in horizontally	m	118
5	150mm Wide reinforcement built in horizontally	m	1 352
<u>"Allied Concrete" prestressed fabricated lintels</u>			
6	110 x 75mm Lintels in lengths not exceeding 3m	m	5
7	110 x 75mm Lintels in lengths exceeding 4.50m and not exceeding 6m	m	9
<u>Galvanised hoop iron cramps, ties, etc</u>			
8	30 x 1,6mm Roof tie 1,5m long with one end fixed to timber and other end built into brickwork	No	14
<u>Holes</u>			
9	Leave or form opening through one brickwall for pipe exceeding 100mm and n.e 200mm diameter	No	4

NUTEC-CEMENT/FIBRE-CEMENT WINDOW SILLS

Carried to Collection

Section No. 2
BUILDING
Bill No. 3
MASONRY

R

CONSTRUCTION OF NEW PRISKA ECD

	<u>Nutec window internal sill or similar approved, size 150mm x 15mm thick, manufactured in accordance with SANS 803:2005 and installed below window with window sill lug screwed to underside of sill at 400mm centres, minimum of 75mm from end of window sill and bedded in Class II mortar with plastic slip joints at end of sills at plaster reveals and projecting from the finished face of wall, all in accordance with the manufacturer's recommendations.</u>		
10	Everite Nutec window internal sill, size 150mm wide x 15mm thick (Code: 031-507), manufactured in accordance with SANS 803:2005 and installed below window with window sill lug screwed to underside of sill at 400mm centres, minimum of 75mm from end of window sill and bedded in Class II mortar with plastic slip joints at end of sills at plaster reveals and projecting from the finished face of wall, all in accordance with the manufacturer's recommendations.	m	19
	<u>Air bricks etc</u>		
11	220 x 220mm Clay vermin proof air brick	No	6
	<u>FACE BRICKWORK</u>		
	<u>Face bricks (Purchase price of R 6 500-00/1000 VAT excl. delivered to site) pointed with recessed horizontal and vertical joints</u>		
12	Extra over brickwork for face brickwork	m2	20
13	Extra over brickwork for brick-on-edge header course lintel	m	10

Carried to Collection

Section No. 2
BUILDING
Bill No. 3
MASONRY

R

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CONSTRUCTION OF NEW PRISKA ECD

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Carried to Collection

CONSTRUCTION OF NEW PRISKA ECD

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Item No	Quantity	Rate	Amount
<u>SECTION NO.3</u>			
<u>BILL NO.7</u>			
<u>CEILINGS , ETC.</u>			
For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>Descriptions:</u>			
Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins or shot pinned to brickwork or concrete			
Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres, and where described as "bolted" the bolts have been given elsewhere			
<u>CEILINGS ETC</u>			
<u>Sawn softwood</u>			
1	38 x 114mm Ceiling joists	m	14
<u>"Rhino" gypsum plasterboard cornices</u>			
2	75mm Coved cornices	m	24
<u>NAILED UP CEILINGS</u>			
<u>6mm "Everite Nutec" fibre-cement boards with H-profile primed steel jointing cover strips over joints</u>			
3	Ceilings including 38 x 38mm bracing at 90deg to trusses at maximum centres of 400mm by 32mm long galvanised nails.	m2	18
Carried to Collection			R
Section No. 2 BUILDING Bill No. 5 CEILINGS			

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CONSTRUCTION OF NEW PRISKA ECD

- | | |
|---|--|
| 4 | Extra over ceiling for opening for 610 x 610mm trap door of 50 x 76mm wrought softwood rebated framing with one 38 x 38mm sawn softwood cross brander covered with ceiling board and fitted flush in opening |
|---|--|

No

1

Carried to Collection

Section No. 2
BUILDING
Bill No. 5
CEILINGS

R

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CONSTRUCTION OF NEW PRISKA ECD

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CONSTRUCTION OF NEW PRISKA ECD

Item No	Quantity	Rate	Amount
<u>SECTION NO.2</u>			
<u>BILL NO.5</u>			
<u>ROOF COVERINGS ETC</u>			
For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>General</u>			
All roof coverings, etc., to be with a covering of Z275 galvanising. All holes to be drilled and not punched			
Where described as with "Chromadek" finish, all sheets, flashings, etc., shall be with "Chromadek" silicone polyester paint for exterior use			
<u>Sizes</u>			
All items are measured net unless otherwise described			
<u>Flashings, trimming plates, etc.</u>			
Prices to include for all cutting and waste and relevant fixing material, unless otherwise described			
All rates for flashings, trimmings, etc., to include for forming drips and closed ends to troughs of sheet steel roof covering where applicable			
All items are unless otherwise described measured net			
<u>PROFILED METAL SHEETING AND ACCESSORIES</u>			
Carried to Collection			
Section No. 2			
BUILDING			
Bill No. 6			
ROOF COVERINGS, ETC			

R

CONSTRUCTION OF A NEW ECD CENTRE

	<u>0.5mm "Brownbuilt Klip-Lok Light Industrial" galvanised troughed sheeting steel or similar approved in single lengths fixed to timber purlins and 0.6mm galvanised steel accessories fixed to roof members by a firm of Specialists who will give a five (5) year guarantee, all in accordance with the manufacturer's instructions</u>		
1	Roof covering with pitch not exceeding 50 degrees	m2	255
2	Head wall flashings 462 mm girth	m	16
3	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	14
4	Hip capping to be Brownbuilt Klip-Lok 406 550mm girth, three times bent along girth and notched on site to suit roof profile.	m	8
	<u>Translucent polycarbonate sheeting with 7mm side laps and 7mm end laps, fixed to steel purlins or rails</u>		
5	Side cladding	m2	20
<u>ROOF AND WALL INSULATION</u>			
	<u>"Alucushion" or Similar approved</u>		
6	4mm Alucushion®/Bubblefoil® FR (fire retardant grade) double-sided aluminium foil insulation (Code: 1983) or similar approved, laid taut over timber purlins complying with SANS 428:2007, and fixed concurrently with roof covering; including white PVC coated straining wires at 383mm centres, ensuring subsequent sheets overlap the previous sheet by 100mm all in accordance to the manufacturer's recommendations.	m2	255
Carried to Collection			
Section No. 2			
BUILDING			
Bill No. 6			
ROOF COVERINGS, ETC (PROVISIONAL)			

R

CONSTRUCTION OF NEW PRISKA ECD

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Item No	Quantity	Rate	Amount
<u>SECTION NO.2</u>			
<u>BILL NO.6</u>			
<u>CARPENTRY AND JOINERY</u>			
For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>Particle board:</u>			
Particle board shall comply with the following specifications:			
a) SABS 1300 Particle board: exterior and flooring type			
b) SABS 1301 Particle board: interior type			
<u>Joinery:</u>			
Descriptions of frames shall be deemed to include frames, transomes, mullions, rails, etc			
Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes			
<u>Fixing</u>			
Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete			
<u>Decorative laminate finish:</u>			
Laminate finish shall be glued under pressure. Edge strips shall be butt jointed at junctions with adjacent similar finish			
Carried to Collection			R
Section No. 2 BUILDING Bill No. 7 CARPENTRY AND JOINERY			

ROOFS, ETC.

The following is applicable in respect of roof trusses:

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

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

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

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

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

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

Wrought softwood

- 1 Complete supply and erection of double pitched timber roof including wall plates, trusses, jack rafters, permanent bracing and 50 x 76mm purlins, etc. all as per the drawings attached to these bills of quantities (Toilet Block)

No

1

Sawn softwood**Plate nailed timber roof truss construction**

- 2 50 x 228mm Bearers bolted

m

12

Carried to Collection

Section No. 2

BUILDING

Bill No. 7

CARPENTRY AND JOINERY

R

CONSTRUCTION OF NEW PRISKA ECD

EAVES, VERGES, ETC"Everite FC77" pressed fibre-cement

- | | | | |
|---|--|---|----|
| 3 | Everite medium density plain ungrooved Nutec fascia boards (Code: 040-904), size 225 x 10mm, fixed to timber rafters twice screwed with 12 x 40mm countersunk brass screws with Chromaprep fascia jointing plate between boards and at board ends. | m | 98 |
|---|--|---|----|

DOORS, ETC

44mm Wrought meranti framed, ledged, braced and battened door of 44 x 150mm top rails and stiles, 22 x 150mm middle legde and braces and 22 x 220mm bottom rail filled in with 22mm V-jointed one side boarding

- | | | | |
|---|--|----|---|
| 4 | Door size 914 x 2032mm high including weatherboard | No | 9 |
|---|--|----|---|

40mm Solid core interior doors with Masonite® Plain standard hardboard door panel for paint (elsewhere specified).

- | | | | |
|---|-----------------------------|----|---|
| 5 | Door size 813 x 2032mm high | No | 4 |
|---|-----------------------------|----|---|

Carried to Collection

Section No. 2
BUILDING
Bill No. 7
CARPENTRY AND JOINERY

R

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CONSTRUCTION OF NEW PRISKA ECD

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Carried to Collection

CONSTRUCTION OF NEW PRISKA ECD

5	32mm Type 8 side grab rail 900mm girth plugged	No	1
<u>LETTERS, NAMEPLATES, ETC</u>			
6	Natural anodised stainless steel plate with male symbol	No	2
7	Natural anodised stainless steel plate with female symbol	No	1
8	Natural anodised stainless steel plate with paraplegic pictogram	No	1
<u>PINNING BOARDS, WRITING BOARDS, PROJECTION SCREENS, ETC</u>			
<u>"Vitrex" or Similar approved</u>			
9	Pinning boards 1200 x 1200mm high fixed to brickwork	No	6
10	White writing boards 2400 x 1200mm high	No	8

Carried to Collection

Section No. 2
BUILDING
Bill No. 8
IRONMONGERY

R

CONSTRUCTION OF NEW PRISKA ECD

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Item No		Quantity	Rate	Amount
	<u>SECTION NO.2</u>			
	<u>BILL NO.8</u>			
	<u>METALWORK</u>			
	For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Descriptions</u>			
	Descriptions of bolts shall be deemed to include nuts and washers			
	Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete			
	Metalwork described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described			
	<u>STEEL HANDRAILS, BALUSTRADES, ETC</u>			
	<u>Welded handrails to walkways as per drawings attached to these bills of quantities</u>			
1	Horizontal welded balustrading 1000mm high formed of 50 x 50 x 3mm thick square hollow section top and bottom rails, with uprights formed of 50 x 50 x 3mm thick square hollow section steel at 986mm centres, the balustrading with two diagonal cross members formed of 50 x 25 x 3mm thick hollow section and welded to steel columns (e/m) at 3000mm centres for Ramp with Raking welded balustrading 1000mm high formed of 50 x 50 x 3mm thick square hollow section top and bottom rails, with uprights formed of 50 x 50 x 3mm thick square hollow section steel at 986mm centres, the balustrading with two diagonal cross members formed of 50 x 25 x 3mm thick hollow section and welded to steel columns (e/m) at 3000mm centres	m	4	
	Carried to Collection		R	
	Section No. 2 BUILDING Bill No. 9 METALWORK			

<u>WELDED SCREENS, GATES, ETC</u>		
<u>Gates to external doors</u>		
2	Single gate and frame size 1000 x 2185mm high	No 5
<u>PRESSED STEEL DOOR FRAMES</u>		
<u>1.2mm Double rebated frames suitable for half brick walls</u>		
3	Frame for door size 813 x 2032mm	No 4
<u>1.2mm Double rebated frames suitable for one brick walls</u>		
4	Frame for door size 914 x 2032mm high	No 9
<u>SUNDRY METALWORK</u>		
<u>Bolts</u>		
5	100mm Long x 10mm diameter bolt and nut with two (2) washers	No 2
6	85mm Long x 10mm wide rawl bolt fixed	No 8
<u>Welded steel columns, etc.</u>		
7	76 x 76 x 3mm Thick rectangular column size approximately 2800mm high with 200 x 200 x 10mm thick base plate with four holes drilled and U shaped holding bracket size 100 x 60 x 4,5mm thick formed of rectangular hollow section 200mm long twice drilled	No 2
<u>STEEL WINDOWS, DOORS, ETC</u>		
<u>"Nty" steel or similar approved school windows with standard burglar bars formed of 20 x 5mm thick flat bars to all sashes</u>		
8	Window size 900 x 900mm high	No 12
9	Window size 650 x 650mm high	No 4
10	Window size 1511 x 949mm high	No 6
Carried to Collection		
Section No. 2 BUILDING Bill No. 9 METALWORK		

R

ALUMINIUM SLIDING FOLDING DOORS

Powder coated sliding folding doors as per "2" system
complete with subframes, ironmongery, glass, sealing,
etc and fixing to brickwork or concrete

11 Purpose made sliding folding door, 7000 x 3000mm high

No

1

Carried to Collection

Section No. 2
BUILDING
Bill No. 9
METALWORK

R

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CONSTRUCTION OF NEW PRISKA ECD

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CONSTRUCTION OF NEW PRISKA ECD

	<u>Cement plaster on concrete</u>			
9	On concrete soffits	m2	2	
Carried to Collection				
				R

Section No. 2
BUILDING
Bill No. 10
PLASTERING

Carried to Collection

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CONSTRUCTION OF NEW PRISKA ECD

4	<u>"Vaal" white glazed ceramic</u> 180 x 180 x 120mm Toilet paper holder (Ref. 653110)	No	4	
	Section No. 2 BUILDING Bill No. 11 TILING	Carried to Collection	R	

LDPWRI-B/20391
CONSTRUCTION OF NEW PRISKA ECD

Section No. 2

BUILDING

Bill No. 11

TILING

COLLECTION

Total Brought Forward from Page No.

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No**

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Amount

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Section No. 2

BUILDING

Bill No. 11

TILING

R

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CONSTRUCTION OF NEW PRISKA ECD

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

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

All pipe diameters are nominal external

Concrete pipes:

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

Vitrified clay pipes:

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

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

uPVC pipes and fittings:

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

uPVC pressure pipes and fittings:

Pipes for water supply shall be of the class stated

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

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

Carried to Collection

Section No. 2
BUILDING
Bill No. 12
PLUMBING AND DRAINAGE

R

Copper pipes:

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

Fixing of pipes

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

Lead pipes and fittings

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

Reducing fittings

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

Wire gratings

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

Septic tanks

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

Carried to Collection

Section No. 2
BUILDING
Bill No. 12
PLUMBING AND DRAINAGE

R

CONSTRUCTION OF NEW PRISKA ECD

Exposed concrete surfaces

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

Excavations

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

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

Laying, backfilling, bedding, etc. of pipes

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

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

Flush pans

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

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

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

Waste unions

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

Carried to Collection

Section No. 2
BUILDING
Bill No. 12
PLUMBING AND DRAINAGE

R

CONSTRUCTION OF NEW PRISKA ECD

Steel sectional water tanks

Tanks shall comply with SABS CKS 114

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

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

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

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

1	125 x 100mm Eaves gutters with beaded front edge	m	18
2	Extra over eaves gutter for angle	No	2
3	Extra over eaves gutter for outlet for 100mm diameter pipe	No	2
4	Extra over eaves gutter for stopped end	No	2
5	100mm Diameter rainwater pipes	m	1
6	Extra over rainwater pipe for eaves or plinth offset 450mm projection	No	2
	<u>Rainwater tank, etc.</u>		
7	Rainwater tank 2500l for rainwater harvesting	No	2

FIRE APPLIANCES ETC**'Chubb'**

8	4.5Kg Dry chemical powder fire extinguisher, including standard hard wood backing plugged and backing finished with one coat dark stain and two coats clear suede polyurethane varnish	No	2
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Carried to Collection

Section No. 2
BUILDING
Bill No. 12
PLUMBING AND DRAINAGE

R

CONSTRUCTION OF A NEW ECD CENTRE

Carried to Collection

Section No. 2
BUILDING
Bill No. 12
PLUMBING AND DRAINAGE

CONSTRUCTION OF NEW PRISKA ECD

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Item No		Quantity	Rate	Amount
	<u>SECTION NO.2</u>			
	<u>BILL NO.12</u>			
	<u>GLAZING</u>			
	For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades			
	<u>GLAZING TO STEEL WITH PUTTY</u>			
	<u>4mm Clear float glass</u>			
1	Panes not exceeding 0,1 m2	m2	13	
2	Panes exceeding 0,1m2 and not exceeding 0,5m2	m2	2	
	<u>4mm Rough cast glass</u>			
3	Panes not exceeding 0,1m2	m2	7	
	<u>MIRRORS, ETC</u>			
	<u>6mm Silvered float glass copper backed mirrors with bevelled edges, holed for and fixed with chromium plated dome capped mirror screws with rubber buffers to plugs in brickwork or concrete</u>			
4	Mirror 400 x 600mm high with four screws	No	1	
	Carried Forward to Summary of Section No. 2			
	Section No. 2			
	BUILDING			
	Bill No. 13			
	GLAZING			

Carried to Collection

CONSTRUCTION OF NEW PRISKA ECD

<u>Welded columns in single lengths with flat base, cap, bearer and connection plates, bolted to concrete</u>		
1	IPE 160 columns in heights exceeding 13m and not exceeding 18m	t 0.61
<u>Welded beams in single lengths with flat bearer and connection plates, bolted to steel</u>		
2	IPE 160 Rafters	t 0.57
<u>STEEL PURLINS, GIRTS, BRACING, ETC</u>		
<u>GALVANISED STEEL PURLINS, GIRTS, BRACING, ETC</u>		
<u>Purlins and girts, bolted to steel</u>		
3	Thick cold-formed lipped channel purlins	t 0.83
<u>Welded bracing, anti-sag rails, etc with flat connection plates, bolted to steel</u>		
4	Angle bracing	t 0.23
5	Angle anti-sag rails	t 0.33
<u>BOLTS, FASTENERS, ETC</u>		
6	2mm Diameter expansion bolt	No 50
<u>User note</u>		
<i>Finishing-off painting is to be included in this trade only when the structural steel contractor is required to execute the work</i>		
<u>PAINTING</u>		
<u>Touch-up ? primer, one coat ? undercoat to ? micron dry film thickness and one ? finishing coat to ? micron dry film thickness</u>		
7	On structural steel columns, beams, etc	m2 68
8	On steel purlins, girts, etc	m2 112
Carried to Collection		
Section No. 2		
BUILDING		
Bill No. 14		
STRUCTURAL STEELWORK		

R

CONSTRUCTION OF NEW PRISKA ECD

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Item No		Quantity	Rate	Amount
<u>SECTION NO.2</u>				
<u>BILL NO.14</u>				
<u>PAINTWORK</u>				
For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades				
<u>PAINTWORK ETC TO NEW WORK</u>				
<u>ON FLOATED PLASTER</u>				
<u>Plascon Polvin Super Acrylic to interior new cement plaster. Surface to be dry, sound and clean and cured for a minimum of 14 days, with a moisture content measured with a Doser Hygrometer (or equivalent), of BD 2 scale - 8% or less. Prime with one coat Plascon Plaster Primer (UC 56) with an overcoating time of 16 hours and finish with two coats Polvin Super Acrylic (EPL) with 1 hour drying time between coats, for a maintenance cycle of 5 years in a C1 - inland environment.</u>				
1	On internal walls	m2	228	
<u>Plascon Polvin Super Acrylic to exterior new cement plaster (NW 105). Surface to be dry, sound and clean and cured for a minimum of 14 days, with a moisture content measured with a Doser Hygrometer (or equivalent), of BD 2 scale - 8% or less. Prime with one coat Plascon Plaster Primer (UC 56) with an overcoating time of 16 hours and finish with two coats Polvin Super Acrylic (EPL) with 1 hour drying time between coats, for a maintenance cycle of 3 years in a C1 - inland environment.</u>				
2	On external walls	m2	196	
3	On external walls (Tank stands)	m2	11	
4	On plastered soffits	m2	3	
Carried to Collection				R
Section No. 2 BUILDING Bill No. 15 PAINTWORK				

CONSTRUCTION OF NEW PRISKA ECD

ON FIBRE-CEMENT

Plascon Sure Coat Gloss Enamel to exterior new fibre cement. Surface to be dry, sound and clean, with a moisture content, measured with a Doser Hygrometer (or equivalent), of BD 2 scale - 8% or less. Prime with one coat Plascon Plaster Primer (UC 56) with an overcoating time of 16 hours and finish with two coats Sure Coat Gloss Enamel (SGE) with 16 hours drying time between coats, for a maintenance cycle of 2 years in a C1 - inland environment.

5	On window sills not exceeding 300 mm girth	m	21
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ON METAL

Plascon Velvagio Satin to interior new mild steel. Surface to be clean and dry. Remove surface contaminants using Metalcare Aquasolv Degreaser (GR 1) with bristle brush or Brillo pads. Rinse thoroughly with tap water until surface is water break-free. Remove rust and millscale by abrasive blasting to ISO 8501 - 01:1988 - Sa2½ or by hand/mechanical wire brushing to St3 of the same standard. Allow to dry completely and prime within 4 hours of cleaning. Prime with one coat Metalcare Mild Steel Primer (UC 501) with an overcoating time of 16 hours and finish with two coats Velvagio Satin (VLO) with 16 hours drying time between coats, for a maintenance cycle of 7 years in a C1 - inland environment.

6	On door frames	m2	13
7	On windows with burglar bars	m2	40
8	On gates, grilles, burglar screens, balustrading, etc (both sides measured over the full flat area)	m2	49
9	On rails, bars, pipes, etc not exceeding 300 mm girth	m	6

ON WOOD

Carried to Collection

Section No. 2
BUILDING
Bill No. 15
PAINTWORK

R

CONSTRUCTION OF NEW PRISKA ECD

	<u>Plascon Velvagio Satin to interior new wood. Surface to be dry, sound and clean. Wash knots and resinous areas with Lacquer Thinners (ILS 1) and coat with Woodcare Knot Seal (PK 2) and apply one coat of Plascon Woodcare Pretreatment (WWP 1), overcoated within 48 hours with a moisture content, measured with a Doser Hygrometer (or equivalent), of BD 2 scale (A1-A5) < 14% or less. Prime with one coat Wood Primer (UC 2) with an overcoating time of 16 hours and finish with two coats Velvagio Satin (VLO) with 16 hours drying time between coats, for a maintenance cycle of 7 years in a C1 - inland environment.</u>		
10	On doors	m2	16
	<u>Plascon Woodcare Clear Varnish to exterior new wood. Surface to be dry, sound and clean. Wash knots and resinous areas with Lacquer Thinners (ILS 1) and coat with Woodcare Knot Seal (PK 2) and apply one coat of Plascon Woodcare Pretreatment (WWP 1), overcoated within 48 hours with a moisture content, measured with a Doser Hygrometer (or equivalent), of BD 2 scale (A1-A5) < 14% or less. Prime with one coat Woodcare Clear Varnish (CVE 5) with an overcoating time of 16 hours and finish with two coats Woodcare Clear Varnish (CVE 5) with 16 hours drying time between coats, for a maintenance cycle of 2 years in a C1 - inland environment.</u>		
11	On doors	m2	28
12	On beams and bearers, etc.	m2	7

Carried to Collection

Section No. 2
BUILDING
Bill No. 15
PAINTWORK

R

LDPWRI-B/20391
CONSTRUCTION OF NEW PRISKA ECD

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LDPWRI-B/20391
CONSTRUCTION OF NEW PRISKA ECD

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LDPWRI-B/20391
CONSTRUCTION OF NEW PRISKA ECD

Item No		Quantity	Rate	Amount
<u>SECTION NO.3</u>				
<u>BILL NO. 1</u>				
For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades				
<u>APRONS AROUND BUILDINGS</u>				
<u>Compaction of surfaces</u>				
1	Compaction of ground surface under aprons including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 90% Mod AASHTO density	m2	202	
<u>15 MPa/20 mm concrete</u>				
2	Aprons cast in panels to falls	m3	15	
<u>Finishing top surfaces of concrete smooth with a wood float</u>				
3	Aprons to falls	m2	112	
<u>Smooth formwork to sides</u>				
4	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	150	
<u>REINFORCEMENT (PROVISIONAL)</u>				
<u>Fabric reinforcement</u>				
5	Steeledale Mesh standard square fabric mesh, nominal mass 1,93 kg/m ² with nominal 5,6mm thick wires and 200 x 200mm pitch (code 193), complying with SANS 1024/2006 requirements, in sheets 2,4 x 6m long.	m	112	
<u>MOVEMENT JOINTS ETC</u>				
Carried to Collection				R
Section No. 3 EXTERNAL WORKS Bill No. 1 CONCRETE APRONS				

LDPWRI-B/20391
CONSTRUCTION OF NEW PRISKA ECD

	<u>Sika Primer-3N one component epoxy polyurethane based primer for joint sealants (Sikaflex-PRO 2HP and Sikaflex 11FC), applied in accordance with the manufacturer's instructions.</u>			
6	10 x 10mm In expansion joints including raking out of expansion joint filler as necessary	m	75	
	Section No. 3 EXTERNAL WORKS Bill No. 1 CONCRETE APRONS			R

Carried to Collection

CONSTRUCTION OF NEW PRISKA ECD

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CONSTRUCTION OF NEW PRISKA ECD

[illegible]

CONSTRUCTION OF NEW PRISKA ECD

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

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

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

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

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

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

Electrical Installation

- 1 Provide the sum of R350 000,00 (three hundred and fifty thousand rand) for Eskom Connection and Electrical installation
- 2 Allow for profit on above if required
- 3 Allow for giving every facility to Specialists as described

Item

350 000.00

Item

Item

Carried to Collection

R

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

CONSTRUCTION OF NEW PRISKA ECD

<u>Joinery Installation</u>			
4	Provide the sum of R 40 000,00 (forty thousand rand) for joinery installation by specialist. this includes Cupboards to kitchen,Pantry,store,sickbay etc complete with all fittings and accessories.	Item	40 000.00
5	Allow for profit on above if required	Item	
6	Allow for giving every facility to Specialists as described	Item	
<u>Fencing and Gates</u>			
7	Provide the sum of R 250 000,00 (two hundred and fifty thousand rand) for Fencing and gates by Specialists	Item	250 000.00
8	Allow for profit on above if required	Item	
9	Allow for giving every facility to Specialists as described	Item	
<u>Furniture and play Equipment</u>			
10	Provide the sum of R150 000,00 (one hundred and fifty thousand rand) for Furniture and play Equipment by Specialists	Item	150 000.00
11	Allow for profit on above if required	Item	
12	Allow for giving every facility to Specialists as described	Item	
<u>Signage</u>			
13	Provide the sum of R 15 000,00 (fifteen thousand rand) for signage by Specialists	Item	15 000.00
14	Allow for profit on above if required	Item	
15	Allow for giving every facility to Specialists as described	Item	
<u>Community Liaison Officer</u>			
16	Provide the sum of R 60 000,00 (sixty thousand rand) for community liaison officer	Item	60 000.00
17	Allow for profit on above if required	Item	
18	Allow for giving every facility to Specialists as described	Item	
Carried to Collection			
Section No. 4			
PROVISIONAL SUMS			
Bill No. 1			
PROVISIONAL SUMS			

CONSTRUCTION OF A NEW ECD CENTRE

19	Provide the sum of R 50 000,00 (Fifty thousand rand) for gas cage and gas cylinders by Specialist
20	Allow for profit on above if required
21	Allow for giving every facility to Specialists as described

Item

50 000.00

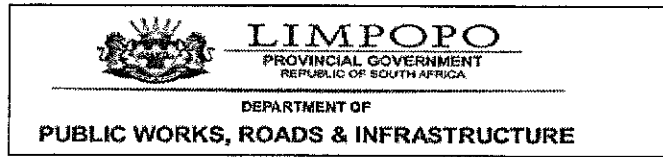
R

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CONSTRUCTION OF NEW PRISKA ECD

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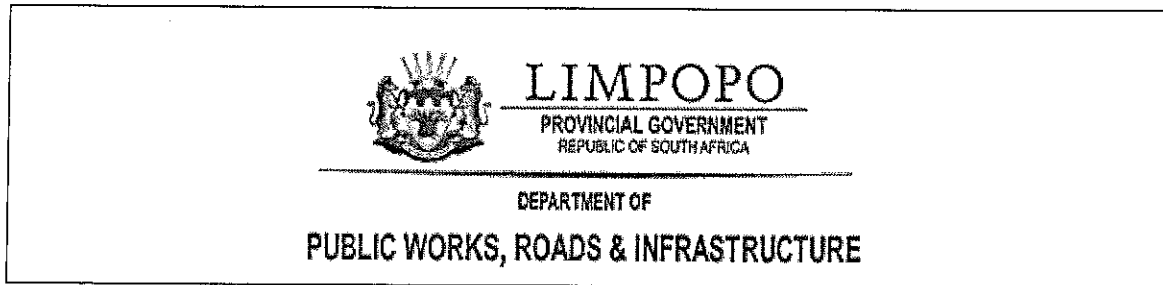
PART C3 SCOPE OF WORKS

PART C3.1: SPECIAL NOTES TO BIDDERS

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

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

- 1.18. The client reserves the right not to award more than one project per bidder, should the highest bidder already been awarded a project, the second highest scoring bidder will be considered
- 1.19. Attachments for Specific Goals Points
 - I. Persons who had no franchise in national elections prior to 1983 and 1993- (attach director's certified copy of South African ID &CK as proof)
 - II. Promotion of women owned enterprises- (Attach Director's certified copy of South African ID&CK)
 - III. Disabled persons- (Attach letter/medical certificate from healthcare professional)
 - IV. Promotion of SMMEs- (Attach financial statement as proof for SMME turnover)
 - V. Enterprise located in Limpopo Province- (Attach proof of enterprise address/lease agreement as proof of enterprise residential address)
 - VI. Promotion of Youth- (Attach Director's certified copy of South African ID&CK)
 - VII. South African owned enterprises- (Attach Directors certified copy of South African ID as proof + Company registration documents)



HEALTH & SAFETY SPECIFICATIONS FOR THE CONSTRUCTION OF PRIESKA ECD WITHIN THE BA-PHALABORWA LOCAL MUNICIPALITY, MOPANI DISTRICT IN LIMPOPO PROVINCE.

1. PURPOSE

The objective of the Health and Safety Specifications is to provide a guideline for tenderers in complying with the requirements of the Occupational Health and Safety Act 85 of 1993 (OHS Act) and the relevant regulations, with particular reference to the Construction Regulations 2014.

The Health and Safety Specifications do not replace the OHS Act and relevant regulations, but is a supplementary document to the requirements of relevant legislation and the conditions of the contract agreement between the tenderer/subsequently the Contractor and the employer.

It does not imply that sections of legislation not referred to in full in this document are of less importance and/or not relevant. The tenderer/contractor remains responsible to comply with the Act, regulations in their health and safety plan.

2. SCOPE

This Health and Safety Specification covers construction and associated activities that have the potential to affect, positively or negatively, the health and safety of all persons involved with the above-mentioned project.

As an employer in their own right, it remains the responsibility of the contractor to do what is reasonable and practicable to ensure that they themselves, and other persons who may be affected by their operations, health and safety, are not endangered.

3. APPLICATIONS AND INTERPRETATION

This document is to be read and understood in conjunction with the following, *inter alia*:

- Occupational Health and Safety Act 85 of 1993 (OHS Act).
- All regulations published in terms of the OHS Act.
- Construction Regulations, 2014
- SANS codes referred to by the OHS Act.
- Contract Documents
- Basic Conditions of Employment Act (Act 75 of 1997)
- National Environmental Management Act 107 of 1998 and all Regulations
- Compensation for Occupational Injuries and Diseases Act (COIDA) No. 130 of 1993

4. DESCRIPTION OF WORK

Construction of Two classrooms with kitchen, stores, office and sickbay and four enviroloo seats at Prieska ECD.

5. APPLICATION OF THE CONSTRUCTION REGULATIONS, 2014

The intended construction work falls within the scope of "construction work" as defined in the Construction Regulations, 2014 made under the Occupational Health and Safety Act 1993, as amended ("OHS Act").

LDPWRI is required to ensure a working environment which, as far as reasonably practicable, is safe and without risk to the health and safety of persons on the site.

The tenderer/Contractor will ensure and demonstrate to LDPWRI that they, and all contractors to be appointed on this construction project, has adequately allowed for the cost of health and safety measures which may be required during the construction work.

5.1. PERMIT TO WORK-where necessary

Where the construction works:

- (i) Exceeds 180 days;
- (ii) Involves more than 1800 person days of construction work; or
- (iii) The works contract is equal to or exceeds R13 Million or Construction Industry Development Board Grading Level 6,

LDPWRI as the client, must at least 30 days prior to construction work apply to the Department of Labour (DoL) for a construction work permit in the form of CR Annexure 1.

5.2. NOTIFICATION OF CONSTRUCTION WORK-where necessary

- The Main Contractor shall notify the local relevant Provincial Director of the Department of Labour, before commencing with construction work, of the intended work in the form of Annexure 2 of the Construction Regulations.
- **A copy of the completed Annexure 2 of the Construction Regulations, as well as proof of notification shall be included in the Health and Safety Plan (Proof of fax or proof of hand delivery is required).**
- A copy of the completed Annexure 2 is to be kept on site by the Main Contractor.

5.3. LEGAL DOCUMENTATION/APPOINTMENTS

The appointed Contractor must develop a health and safety plan based on this health and safety specification and the following documents must be provided in the safety file:

- Health and Safety Policy signed by CEO or statement of commitment to SHE
- Letter of Good Standing with the Compensation Commissioner, or similar insurer.
- Organogram (or table), outlining the company health and safety management structure, as well as the appointment(s) they have under the Occupational Health and Safety Act and its Regulations.
- The competency of each member of the health and safety team must be provided and should include knowledge, training, experience & qualifications specific to the appointment.

5.4. HEALTH AND SAFETY FILE

The Health and Safety file of the Contractor will contain the records and documentation as required by the OHS Act, relevant legislation as well as the health and safety specifications and will be kept as a hard copy on site at all times.

5.5 CONTRACTOR HEALTH AND SAFETY PLANS

The Main Contractor and sub-contractor working on the site must prepare a health and safety plan to address and manage all applicable sources of risk as per items under Section 9 of this specification as well as any other sources of risk which are identified during the contractor's own risk assessment. The Main Contractor shall incorporate these into a single health and safety plan for the execution of the entire contract works as set out in the contract data. Should any further risks be identified in the course of the construction work, such risks must be assessed and addressed in an amended health and safety plan which must then be submitted to LDPWRI for approval.

The health and safety plan must also address the following matters:

- Procedures for compliance with all requirements of the OHS Act and in particular Sections 8 and 9 of the Act.
- Undertaking and procedure to stop any work which endangers the safety or health of any person.
- Systems for recording and reporting of incidents both internal and external to the Department of Labour.
- Copy of the Act and its Regulations to be kept on the site and to be readily available to employees.

- Incident registers to be kept on the site.
- Employment and appointment of any people who are competent and have the necessary knowledge, training, qualifications and experience to perform the required construction work safely and effectively.
- Procedures and arrangements for first aid facilities on the site.
- Procedures and arrangements for prompt reporting of injuries and other losses/incidents.
- Emergency plans to deal effectively with potential site emergencies.
- Use of effective processes for the identification and close out of root causes of incidents and accidents.
- Attendance by all contractors of monthly site health and safety meetings.
- Demonstration by all contractors of their health and safety monitoring and auditing system to ensure compliance with their health and safety, as part of their health and safety plan.

6. APPOINTMENTS

APPOINTMENT	OHS ACT / REGULATION REFERENCE
Section 16.2 appointment	Section 16.2
HSE Representative (if necessary)	Section 17(1)
Incident Investigator	GAR 9(2)
First Aiders	GSR 3(4)
Fire Fighters	ER 9 & CR 29
Risk Assessor	HCS Reg (Incl. Asbestos & Lead); CR 9

The following information must be provided in the health and safety plan:

- Indicate the estimated number of employees to be working on site.
- Indicate the expected number of sub-contractors to be appointed by the Main Contractor.

The following competent persons, **where applicable**, shall be appointed in writing by the Principal Contractor, prior to any work being carried out, and shall adhere to the requirements of the specific sub-regulations.

The competency of each of these appointed competent persons must be provided and should include knowledge, training, experience & qualifications specific to the appointment.

The table below indicates the applicability of the appointments but contractors should by no means be limited to these indications.

APPOINTMENT	OHS ACT / REGULATION REFERENCE
Construction Manager	CR 8 (1)
Assistant Construction Manager	CR 8 (2)
Construction H&S Officer is Compulsory	CR 8 (5)
Construction Supervisor	CR 8 (7)
Construction Assistant Supervisor	CR 8(8)
Risk assessor	CR 9(1)
Fall Protection Competent Person	CR 10 (1)
Temporary works competent person	CR12 (2)
Excavation Work Supervisor	CR 13 (1)(a)
Demolition Work Competent Person	CR 14 (1)
Competent Person (Use of Explosives for Demolition Work)	CR14(11)
Competent Person (Use of Explosives for Demolition Work)	CR14(11)
Scaffolding Erector/ Team Leader/ Inspector	CR 16 (1)
Suspended platform Competent Person	CR 17(1)
Rope Access Work Competent Person	CR 18 (1)(a)
Material Hoist Competent Person	CR 19(8)(a)
Bulk Mixing Plant Competent Person	CR 20 (1)
Explosive Powered Tools Competent Person	CR 21(2)(b)
Construction Vehicle and Mobile Plant Competent Person	CR23 (1)(d)
Electrical Machinery Competent Person	CR 24 (c)
Stacking and Storage Supervisor	CR 28 (a)
Fire Equipment Inspector	CR 29(h)

No work involving any of the listed appointments may be performed without the knowledge and approval of an appointed competent person.

7. GENERAL DUTIES OF MAIN CONTRACTOR

- The Main Contractor will be responsible for co-operation between all contractors to ensure compliance to the OHS Act and Regulations on site.
- To ensure the above, the Main Contractor must carry out the following and provide proof of such in his health and safety plan:

- Proof that Contractors health and safety plan has been approved, implemented and maintained.
- Proof that Contractors are registered with the Compensation Commissioner or similar insurer.
- A comprehensive & updated list of all contractors on site, also indicating the type of work being done.

8. DESIGNER GENERAL DUTIES

The designer of a structure must comply with CR 6 and in particular ensure that cognizance is taken of ergonomic design principles in order to minimize ergonomic related hazards in all phases of the life cycle of the structure such as maintenance and cleaning after completion and commissioning of the structure.

9. POTENTIAL SOURCES OF RISK

The following potential sources of risk to the health and safety of persons on site have been identified, as per the risk assessment which accompanies this health and safety specification, and must, as a minimum, be appropriately addressed by the Main Contactor's health and safety plan. In addition, the Main Contractor must perform its own activity risk assessments to enable it to take precautions to protect the health and safety of persons on site, to comply with the Main Contractor's obligations under the Act and all Regulations made there under, including the Construction Regulations. All such precautionary measures and procedures must be included in the Principal Contactor's health and safety plan, which must be submitted to the LDPWRI for review and approval and where applicable should include:

- Noise
- Potential presence of asbestos that forms part of the structure (cement fibre)
- Dust - Working at height (fall protection)
- Drilling (Breaking of walls)
- Formwork and support work
- Scaffolding
- Construction vehicles and mobile equipment
- Electrical tools and electrical machinery
- Housekeeping
- Stacking and storage practices

- Fire risks and fire precautions
- Use of jackhammers
- Hot work (steel cutting and welding)
- Portable electrical tools
- Intoxicated persons on site
- Use of ladders
- Working at height
- Impact of construction work upon neighbors and employees working close to construction site

The risk assessment to be included in the health and safety plan must clearly indicate:

- The methodology used to do the risk assessments.
- Breakdown of processes and activities covered.
- Subsequent hazards identified
- Risk calculations (considering consequence, frequency and likelihood).

All risk assessments are to be conducted by a competent person as appointed under paragraph 9 of this document. The plan must include a declaration in this regard or the risk assessment must contain the signature(s) of this appointed persons.

Risk assessments are to cover safety as well as health hazards and shall include environmental risks.

10. UNDERGROUND SERVICES

The contractor must be provided with available information about site services and their location, e.g. underground services by responsible personnel

11. SAFE WORK PROCEDURES

11.1 Health and Safety

The following Safe Work Procedures are to form part of the health and safety plan and **must be compiled for all the high risk activities:**

- 11.1.1. Demolitions and removal of waste
- 11.1.2. Working at height
- 11.1.3. Form work
- 11.1.4. Electrical tools
- 11.1.5. Waste management

The safe work procedures must address the following elements:

- The work method to be followed to conduct work safely
- Control measures implemented to mitigation & reduce the risks
- Responsibilities of competent persons
- Required personal protective equipment
- Correct equipment/tools/machinery to be used
- Completed Risk Registers
- Completed Risk Assessments

11.2 Environment

11.2.1 Pollution

Any impacts on the environment must be minimized, environmental pollution prevented, efficient use of natural resources and conserving biodiversity during the duration of the contract.

11.2.2 Resource use

Consideration must also be taken for the following:

- Waste minimization
- Energy and water efficiency
- Prevention of water and soil contamination
- Managing oil spillages

12. SAFETY OF PEDESTRIANS

Access to the construction site must be cordoned off as much as possible in all work areas.

All excavations are to be fenced / barricaded to prevent access by public / pedestrians.

Work must be planned in such a manner as to ensure that the minimum amount of trenches are left open after hours or during weekends.

No trenches in which water has accumulated may be left open.

13. REGISTERS

- Examples of the registers listed below must be provided in the health and safety plan.
- All registers must be available at the site offices at all times for inspection.
- The list of registers to be kept is by no means exhaustive and the health and safety plan should list all the registers that are applicable and at what frequency they are going to be maintained.

ACTIVITY	FREQUENCY	FORMAT
Form work / Support work	Daily, prior to any shift	
Excavation work	Daily, prior to any shift, after rain or blasting or after unexpected fall of ground	
Scaffolding	Daily, prior to any shift, after rain or blasting.	
Material hoist	Daily	
Construction vehicles and mobile plant	Daily	
Temporary electrical installation	Weekly	
Stacking	Weekly	
Ablution facilities	Weekly	
Ladders	Weekly	
Incident register in terms of GAR 9	As Required	Annexure 1 WCL 2
Fall protection equipment	Daily	
Portable electrical tools	Weekly	
Suspended platforms	Daily	
Accommodation of traffic	Daily	
Firefighting equipment	Weekly	
Hand tools	Weekly	
Visitor induction	Daily	
Proof of medical surveillance for every construction worker has been done	As Required	Annexure 3 of CR

14. TRAINING

The Health and Safety file shall indicate the following regarding training:

- A copy of the content to be used for Induction training.
- Attendance registers must be included as proof of training provided for:
 - Induction training
 - Safe work procedure training
 - Risk assessment outcome training
- Method of informing visitors and other persons entering the site of hazards prevalent on site.
- Method of providing personal protective equipment to visitors and non-employees.
- Methodology to be used in the issuing and communication of written instructions/safe work procedures.

15. HEALTH AND SAFETY AUDITS AND INSTRUCTION REGISTER

Health and safety audits will be conducted by LDPWRI appointed person at least monthly. All Health and Safety instructions will be given via the Safety Office in writing within 7 days of audits.

The Main Contractor shall be required to sign the instruction to acknowledge any instructions issued and rectify the deviations.

16. GENERAL REQUIREMENTS

16.1. Personal Protective Equipment

The procedures for issuing and control over PPE shall be indicated in the health and safety plan, as well as the enforcement for the wearing thereof.

16.2. Hired Plant

The responsibility for the safe condition and use of all hired plant shall be that of the contractor.

16.3. Signs and notices

The contractor shall erect and maintain on site symbolic safety signage and notices that conform to the SANS requirements. The signage shall include, but not be limited to the following:

- Mandatory signage
- Warning signs

- Information
- Fire safety signs.

16.4. Certificates of fitness

The Main Contractor and the subcontractors shall include in their Health and Safety files all copies of the worker's medical certificates of fitness conducted by a registered Occupational Health Medical/Nursing Practitioner.

16.5. Site Visitors

A site visitor's register is to be kept on site and steps are to be taken to ensure that all visitors sign the visitors' register before entering the site.

An induction must be given to all visitors entering the site and proof thereof must be kept in the health and safety file.

Visitor's PPE must be made available and at the cost of the contractor and signs should also be provided directing all visitors to report to the site office.

16.6 Housekeeping

CR 27 and CR 28 shall be complied with regarding sustained provision of good housekeeping, stacking and storage practices.

Chutes shall be used for waste and debris removal from high places.

The site shall be suitably cordoned off and access controlled.

Catch platforms or nets shall be used where necessary.

16.7 Welfare Facilities

The Contractor will ensure that adequate ablution and changing facilities are made available to the workers.

The Contractor will also designate appropriate hygienic eating facilities/area for the workers.

17. HAZARDOUS CHEMICAL SUBSTANCES

In addition to the requirements in the HCS Regulations, the Main Contractor must provide proof in the health and safety plan that:

- Material Safety Data Sheets (MSDS's) of the relevant materials/hazardous chemical substances are available prior to use by the contractor. Mention

should be made how the Main Contractor is going to act according to special/unique requirements made in the relevant MSDS's. All MSDS's shall be available for inspection by the client at all times.

- Risk assessments must be done for this construction project.
- How the relevant HCS's are being/going to be controlled by referring to:
 - Limiting the amount of HCS
 - Limiting the period of exposure
 - Using appropriate written work procedures
 - The correct PPE is being used.

HCS are stored and transported according to SABS 072 and 0228.

Training with regards to these regulations was given.

The health and safety plan should make reference to the disposal of hazardous waste on classified sites and the location thereof (where applicable).

18. CONSTRUCTION VEHICLES

For the purposes of these specifications a Construction Vehicle means any vehicle used to transport persons, materials, or both on or off of the construction site for the purposes of performing construction work.

The vehicle must be of a suitable design and construction for the type of work anticipated. Operators must receive appropriate training and be in possession of a medical certificate of fitness before making a written appointment to operate the construction vehicle. The construction vehicle must obey all speed limits.

There must be a safe means of access provided for the operator into and out of the operating cab. Provide the cab with suitable protection for the operator against falling materials and the dangers of being crushed should the vehicle overturn. Fit and maintain an electrically operated acoustic signaling device and a reversing alarm in an operational state.

Construction vehicles exposed to normal public traffic must be fully roadworthy.

Vehicles which may be left unattended at night adjacent to a public road must be fitted with appropriate lights or reflectors.

19. NOISE INDUCED HEARING LOSS-(NIHL)

Where noise is identified as a hazard, the requirements of the NIHL regulations must be complied with and the following must be included/ referred to in the health and safety plan:

- Proof of training with regards to these regulations.
- Risk assessment done within 1 month of commencement of work.
- That monitoring carried out by an AIA and done according to SANS 083.
- Medical surveillance programme established and maintained for the necessary employees.

Control of noise by referring to:

- Engineering methods considered
- Admin control (number of employees exposed) considered
- Personal protective equipment considered/decided.

20. FALL PROTECTION

In addition to the requirements of this regulation the following shall apply:

- The fall protection plan **for all work at height** is to be prepared by a competent person. This competent person must sign the fall protection plan.
- Contents of the fall protection plan must cover all the requirements as stated in the sub-regulation.
- The level of supervision is to be stated in the fall protection plan.
- Medical certificates, work near edges, presence of dew, dangerous walking areas etc. should be addressed in the fall protection plan. Inclement weather conditions must be provided for in the fall protection plan.

21. GENERAL

Nothing contained in or omitted from this Health and Safety Specification, or the health and safety plan based on this specification, shall relieve the Main Contractor of any of its obligations or liabilities.

The client shall not be liable for any civil claim because of anything contained in, or omitted from, this Health and Safety Specification.

PART C4 DRAWINGS

General Notes:
1. All dimensions are in feet and inches (Ft.-In.) unless otherwise noted.
2. All materials and workmanship shall conform to the latest editions of the Building Code of the City of Los Angeles and the California Building Code.
3. The design is based on the information provided by the client and the architect. The architect assumes no responsibility for the accuracy of the information provided.
4. The design is based on the information provided by the client and the architect. The architect assumes no responsibility for the accuracy of the information provided.
5. The design is based on the information provided by the client and the architect. The architect assumes no responsibility for the accuracy of the information provided.
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8. The design is based on the information provided by the client and the architect. The architect assumes no responsibility for the accuracy of the information provided.
9. The design is based on the information provided by the client and the architect. The architect assumes no responsibility for the accuracy of the information provided.
10. The design is based on the information provided by the client and the architect. The architect assumes no responsibility for the accuracy of the information provided.

1. General

2. Foundation
3. Structure
4. Exterior
5. Interior
6. Mechanical
7. Electrical
8. Plumbing
9. Fire Protection
10. Life Safety

11. Other

12. Notes

13. Notes

14. Notes

15. Notes

16. Notes

17. Notes

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65. Notes

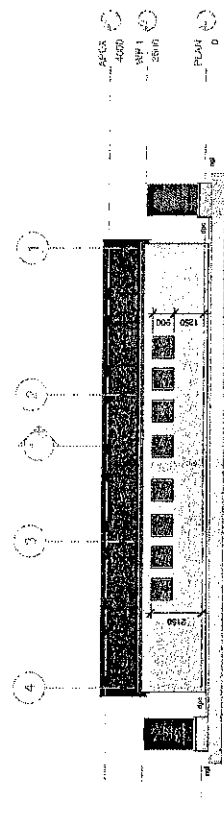
66. Notes

67. Notes

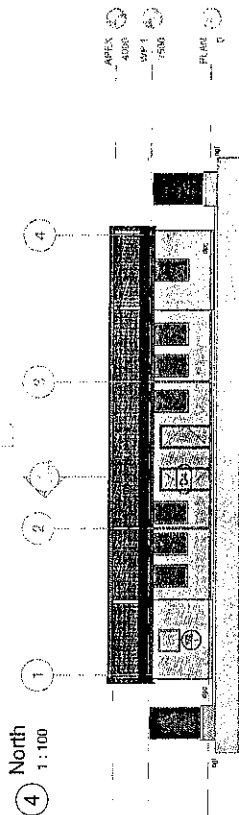
68. Notes

69. Notes

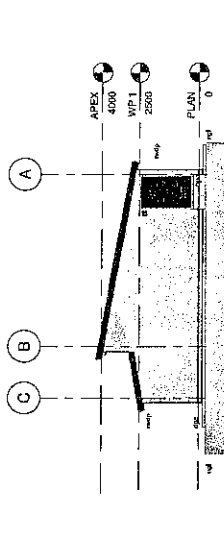
70. Notes



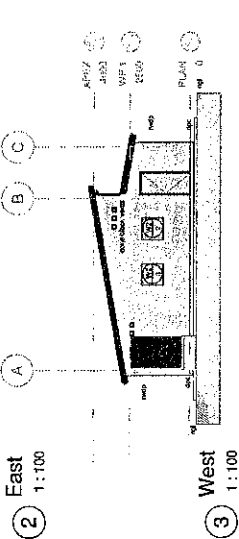
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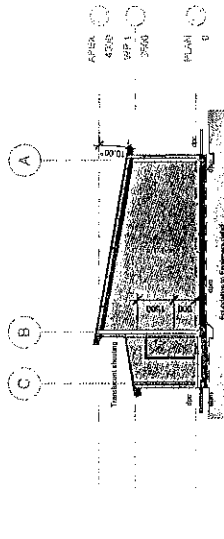
5 South 1:100



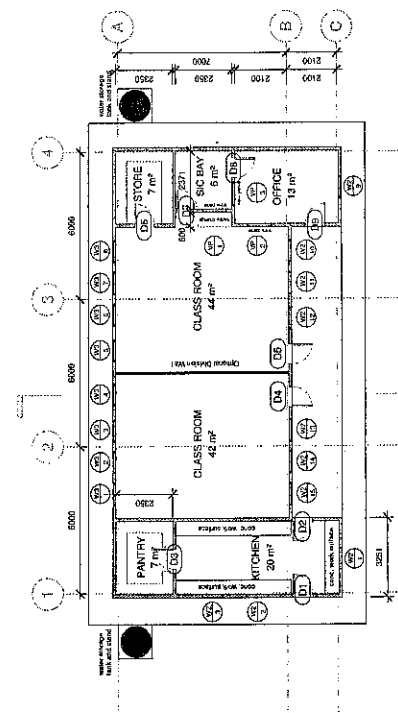
2 East 1:100



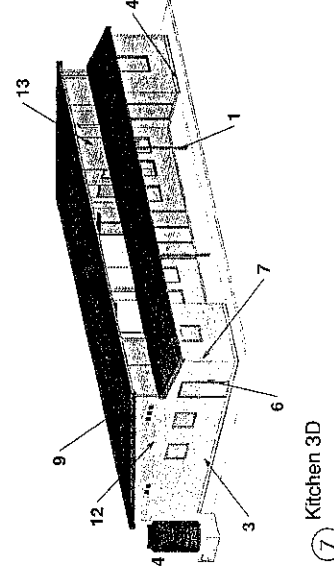
3 West 1:100



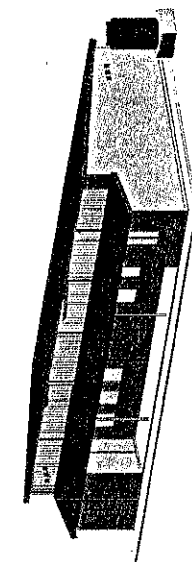
6 Section 1 1:100



1 PLAN 1:100



7 Kitchen 3D



8 Porch 3D

DRAFT 3
7x6 Grid Line Change

TYPE	PB
2 Class Room	
Project number	DHS
Date	30.10.2019
Drawn by	Rossco
Revision No:	7x6m Grid Module
	PB 201/3.2
Scale	1 : 100