

PROVINCIAL ADMINISTRATION OF KWAZULU-NATAL DEPARTMENT OF PUBLIC WORKS



KWAZULU-NATAL PROVINCE

PUBLIC WORKS
REPUBLIC OF SOUTH AFRICA

BILLS OF QUANTITIES

with GCC for Construction Works - Second Edition 2010

RETURNABLE DOCUMENT

ONE VOLUME APPROACH

DEPARTMENT OF HEALTH: DRIEFONTEIN CLINIC: UPGRADE OF SEWER TREATMENT PLANT

Project Manager

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Region:

Regional Manager
KZN Department of Public Works
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Ladysmith
3370

Tel Number: 036-638-8008
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Tender Number: ZNTL04204W
CIDB Grading: 5CE or HIGHER
ECDP Number: N/A

Project Code: WIMS 066058
Document Date: 8-Jul-2025
Contract Period: 9 Calendar Months

Contracting Party: _____

CIDB Registration number: _____

Central Suppliers Database Registration Number: _____

DEPARTMENT OF HEALTH: DRIEFONTEIN CLINIC: UPGRADE OF SEWER TREATMENT PLANT



KWAZULU-NATAL PROVINCE
PUBLIC WORKS
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THE TENDER

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IMPORTANT NOTICE TO TENDERERS

- a) Any reference to words Tender or Tenderer herein and/or in any other documentation shall be construed to have the same meaning as the words Tender or Tenderer. These forms are for internal and external use for the , Provincial Administration of KwaZulu-Natal.
- b) "Quality" shall mean totality of features and characteristics of a product or service that bears on the ability of the product or service to satisfy stated or implied needs.
- c) No alternativeTenders will be accepted.
- d) The Total (Including Value Added Tax) on the Final Summary of the Bill of Quantities must be carried to the "Offer" part only of the Form of Offer and Acceptance - T2.21
- e) "Enterprise" shall mean the legal Tendering Entity or Tenderer who, on acceptance of the Offer, would become the contractor"

f) **Bid will go through a 3-Phase evaluation system, namely:**

Phase 1: Administrative Compliance

- 1. Tax Compliance Status (TCS) PIN to verify on line Compliance Supplier Status via e-Filing. (T2.19)
- 2. Form of Offer and Acceptance (Bound into Section 1 of 2). (T2.21) To be fully and correctly completed.
- 3. Attendance of the compulsory pre-tender briefing meeting. Site Inspection Certificate (T2.10) to be completed and signed in full.
- 4. Central Suppliers Database Registration: All Tenderers must be registered on the Central Suppliers Database. (T2.26)
- 5. Appropriate active CIDB registration of tendering entity as per the requirements of this tender. (T2.27)
- 6. Completion and submission of all returnable documents as contained in this tender document in full. (T2.1 to T2.36)
- 7. Certified proof of valid UIF Registration (T2.24) Attach a certified copy of proof that the tenderer is in good standing with the UIF.

Phase 2: Functionality Criteria (All the appropriate and requested information to be submitted in full)

- 1. The Tender to refer to the Functionality Criteria (T2.34)

NOTE:

- 1.1. Tenderers who do not meet the minimum 60 evaluation points will be **non-responsive**.
- 1.2. Tenderers who meet the minimum 60 evaluation points will move onto the final stage of evaluation i.e. 80/20 principle.

Phase 3: Price and Specific Goal/s Requirements

Price:	80	Points
Specific Goal/s Allocated Points (T2.9):	20	Points

Preference point scoring system will be based on the following points:

Specific Goal/s Point System:

Specific Goal/s Allocated Points are offered to Tenderer's who have attained the Specific Goals as per T2.9. Documentary proof required to satisfy the points claimed are also indicated in T1.1.



KWAZULU-NATAL PROVINCE
PUBLIC WORKS
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DEPARTMENT OF HEALTH: DRIEFONTEIN CLINIC: UPGRADE OF SEWER TREATMENT PLANT

THE TENDER



KWAZULU-NATAL PROVINCE
PUBLIC WORKS
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DEPARTMENT OF HEALTH: DRIEFONTEIN CLINIC: UPGRADE OF SEWER TREATMENT PLANT

PART T1. - TENDER PROCEDURES



KWAZULU-NATAL PROVINCE
PUBLIC WORKS
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF HEALTH: DRIEFONTEIN CLINIC: UPGRADE OF SEWER TREATMENT PLANT

T1.1 - TENDER NOTICE AND INVITATION TO TENDER

T1.1 TENDER NOTICE AND INVITATION TO TENDER

THE KZN DEPARTMENT OF PUBLIC WORKS INVITES TENDERS FOR THE PROVISION OF:

Project title:	DEPARTMENT OF HEALTH: DRIEFONTEIN CLINIC: UPGRADE OF SEWER TREATMENT PLANT		
Tender no:	ZNTL04204W	Project Code:	WIMS 066058
Advertisement date:	05 June 2025	Closing date:	08 July 2025
Closing time:	11:00	Validity period:	84 Calender Days

It is estimated that tenderers must have a CIDB contractor grading designation of 5CE or higher. No alternative Class of work, as referred to in Clause 25(3)(a)(i) of the CIDB Regulations, as amended, is anticipated for this project

	<p>It is estimated that Potentially Emerging enterprises should have a CIDB contractor grading of (N/A) and satisfy the criterion stated in the Tender Data. (<i>Only applicable if Client has an Official Mentorship programme in place to assist potentially emerging enterprises</i>)</p> <p>All Tenderer's should have a CIDB Class of Construction Contractor Grading Designation as indicated above. No Tenderer with a PE status can be considered If "N/A" is indicated above because the Department does not have an Official Mentorship Programme in place to assist a Potentially Emerging Enterprise.</p>
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Only Tenderder's who are responsive to the following responsiveness criteria are eligible to submit Tenders:

<input checked="" type="checkbox"/>	Only those tenderers who are registered with the CIDB, or are capable of being so prior to the evaluation of submissions, in a contractor grading designation equal to 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 for a : 5CE or higher, class of construction work, are eligible to have their Tenders evaluated.
<input checked="" type="checkbox"/>	<p>Joint ventures are eligible to submit tenders provided that:</p> <ol style="list-style-type: none"> every member of the joint venture is registered with the CIDB; the lead partner has a contractor grading designation in the 5CE or higher, class of construction work; or not lower than one level below the required the required grading designation in the class of works construction works under considerations and possess the required recognition status the combined contractor grading designation calculated in accordance with the Construction Industry Development Regulations is equal to or higher than a contractor grading designation determined in accordance with the sum tendered for a : 5CE or a value determined in accordance with Regulation 25 (1B) or 25 (7A) of the Construction Industry Development Regulations.
<input checked="" type="checkbox"/>	Tender document must be properly received on or before the tender closing date and time specified on the invitation, fully completed and signed in ink (All as per Standard Conditions of Tender).
<input checked="" type="checkbox"/>	Submission of Compulsory Returnable Schedules documents as per List of returnable documents.
<input checked="" type="checkbox"/>	Tax Compliance Status (TCS) PIN number and Tenderder's or entity tax reference number.
<input checked="" type="checkbox"/>	Contractor's Safety, Health and Environmental Declaration.
<input checked="" type="checkbox"/>	Complete priced Bill of Quantities to be submitted on the day of the Tender closing date.
<input checked="" type="checkbox"/>	Proof of good standing with the Compensation Commissioner - In terms of Section 84(1)(b) of the Compensation for Occupation Injuries and Disease Act, 1993, a Tenderder may not be awarded a contract if he/she is not registered and in good standing with the Compensation Commissioner.
<input checked="" type="checkbox"/>	Certified Proof of Paid Municipal Rates and Taxes (Attach) (T2.23)
<input checked="" type="checkbox"/>	Certified Proof of UIF Registration (Attach) (T2.24)
<input checked="" type="checkbox"/>	Financial Standing and other resources of Business Declaration (T2.8)
<input checked="" type="checkbox"/>	Compulsory Enterprise Questionnaire (T2.18)
<input checked="" type="checkbox"/>	Tenderers must meet the minimum qualifying score for functionality criteria first before they can be considered for price and preference by means of specific goals
<input checked="" type="checkbox"/>	Invitation to Tender - SBD 1

Please note the following for POPIA:

By submitting this tender, I hereby acknowledge consent that the KZN Department of Public Works, may, from time to time, collect/store/use/destroy/delete/share or otherwise process my Company and Director's/Shareholders personal information as the context or circumstances may require and as contemplated in terms of POPIA. ☐ (TICK)

THE FOLLOWING PARTICULARS MUST BE FURNISHED (FAILURE TO DO SO MAY RESULT IN YOUR TENDER BEING DISQUALIFIED)

Name of Tenderer: _____

Postal Address: _____

Street Address: _____

Telephone Number: CODE _____ NUMBER _____

Cellphone Number: _____

Facsimile Number: CODE _____ NUMBER _____

E-mail Address: _____

VAT Registration Number: _____

TAX COMPLIANCE STATUS (TCS) PIN TO VERIFY ON LINE COMPLIANCE SUPPLIER STATUS VIA SARS e-FILING YES ☐ or NO ☐
(T2.19)

ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS / SERVICES / WORKS OFFERED? [If yes, enclose proof] YES ☐ or NO ☐

This tender will be evaluated according to the preferential procurement model in the Preferential Procurement Policy Framework Act, 2000: Preferential Procurement Regulations, 2022:

☒ 80/20 Preference point scoring system ☐ 90/10 Preference point scoring system

NOTE

Refer to T2.34 - Functionality Criteria

Functionality requirement:	60 Points
Price:	80 points
Specific Goals:	20 points

1. The Specific Goal/s Allocated Points in terms of this tender:

Preference points system:

Preferences are offered to Tenderder's who have attained points for the specific goals in accordance with the table below; Documentary Proof required to satisfy the points claimed are also indicated in the table below:

No	Specific Goal	Number of Points Allocated
1	Ownership by Black People Documentary Proof Required: 1) EME or QSE Sworn Affidavit; signed and dated by Commissioner of Oaths	12

2	<p>Ownership by People who are Women</p> <p>Documentary Proof Required:</p> <p>1) Certified copy of Identity Document/s</p> <p>2) A Central Supplier Database (CSD) Full Report</p> <p>OR</p> <p>3) EME or QSE Sworn Affidavit; signed and dated by Commissioner of Oaths</p>	4
3	<p>Promotion of enterprises located in UThukela District Municipal Area for work to be done or services to be rendered</p> <p>Documentary Proof Required:</p> <p>1) Proof of Municipal Account depicting Physical Address of the business, which is less than 3 months old</p> <p>OR</p> <p>2) Signed and Valid Lease Agreement</p>	4
2. Other specific goals (according to the PPPFA):		
(a)	N/A	0 Points
(b)	N/A	0 Points
(c)	N/A	0 Points
(d)	N/A	0 Points
Total must equal 10 or 20 points		20 Points

Notes:

- The successful Tenderer will be required to fill in and sign a written GCC 2010 2nd Edition Contract.
- Tenderers should ensure that Tenders are delivered timeously to the correct address. If the Tender is late, it will not be accepted for consideration.
- The requirements in respect of the application of either 80/20 and 90/10 preference points scoring system, will apply and the points reflected above for preferences will be adjusted accordingly on a pro-rata basis if required.
- The Tender box is generally open during official working hours.
- All Tenders must be submitted on the official forms – (Not to be re-typed)
- This Tender is subject to the PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT AND THE PREFERENTIAL PROCUREMENT REGULATIONS, 2022, THE GENERAL CONDITIONS OF CONTRACT FOR CONSTRUCTION WORKS (GCC2010) AND, IF APPLICABLE, ANY OTHER SPECIAL CONDITIONS OF CONTRACT
- The documentary proof required to satisfy the points claimed for specific goals in terms of this tender, are duly indicated on the table (1) above.**
- Where stated in the tender data that a two-envelope system has been followed, open only the non-financial proposal of valid tenders in the presence of tenderer's agents, who choose to attend, at the time and place stated in the tender data and announce the name of each tenderer whose technical proposal is opened.

Evaluate that non-financial proposals offered by tenderers, then advise tenderers who remain in contention for the award of the contract of the time and place when the financial proposals are to be opened.

Open only the financial proposals of tenderers who, in the Functionality evaluation score, have more than the minimum number of points for Functionality stated in the tender data, and announce the score obtained for the non-financial proposals and the total price and any preferences claimed. Return unopened financial proposals to tenderers whose non-financial proposals failed to achieve the minimum number of points for Functionality.

THE PHYSICAL ADDRESS FOR COLLECTION OF TENDER DOCUMENTS:

Tender documents may be collected during working hours at the following address :

KZN Department of Public Works, Midlands Region Office, 40 Shepstone Road, Ladysmith, 3370

A non-refundable tender deposit of R380 is payable as per the tender advertisement , on collection of the Tender documents. The Tenderers must deposit the the above amount into the Department's bank account. The Account details are:

Account Name: KZN PROV GOV-WORKS

Bank Name: STANDARD BANK

Account Number: 052106446

Bank Code: 057525

Reference No: Ref No 14019621

The Tenderer must attach the account statement with above reference, to this Tender as proof of payment of the deposit.

COMPULSORY CLARIFICATION MEETING

A Compulsory clarification Meeting with representatives of the Employer will take place as follows:

Driefontein Clinic

eMhlaneni

Ladysmith/ Umnambithi

Latitude: S 28°20'36.3"

Longitude: E 29°42'10.7"

on: 18 June 2025

QUERIES REGARDING THE TENDERING PROCEDURE OR TECHNICAL INFORMATION MAY BE DIRECTED TO:

DOPW Project Manager:	Ms. Nthabiseng Tantsi	Telephone no:	036-638-8008
Cell no:	082 861 5469	Fax no:	036-638 8099
E-mail:	Nthabiseng.Tantsi@kznworks.gov.za		

DEPOSIT / RETURN OF TENDER DOCUMENTS:

Telegraphic, telephonic, telex, facsimile, electronic, posted and / or late tenders will **not** be accepted.

Requirements for sealing, addressing, delivery, opening and assessment of tenders are stated in the **Tender Data document**.

All tenders must be submitted on the official forms – (not to be re-typed)

**TENDER
DOCUMENTS MAY
BE:**

**DEPOSITED IN THE TENDER
BOX AT:**

Midlands Region

Midlands Region Office, 40 Shepstone Road

Ladysmith

3370



KWAZULU-NATAL PROVINCE
PUBLIC WORKS
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF HEALTH: DRIEFONTEIN CLINIC: UPGRADE OF SEWER TREATMENT PLANT

T1.2 - TENDER DATA

T1.2 TENDER DATA

Project title:	DEPARTMENT OF HEALTH: DRIEFONTEIN CLINIC: UPGRADE OF SEWER TREATMENT PLANT		
Project Code:	WIMS 066058		
Tender no:	ZNTL04204W	Closing date:	08 July 2025
Closing time:	11:00	Validity period:	84 Calender Days
Clause number:			
	<p>The conditions of Tender are the Standard Conditions of Tender as contained in Annexure C of the CIDB Standard for Uniformity in Engineering and Construction Works Contracts as per Board Notice 423 of 2019 in Government Gazette 42622 of 8 August 2019 as amended from time to time. (see www.cidb.org.za) Refer to Conditions of Tender as bound into this document.</p> <p>The Standard Conditions of Tender make several references to the Tender Data for details that apply specifically to this tender. The Tender Data shall have precedence in the interpretation of any ambiguity or inconsistency between it and the Standard Conditions of Tender.</p> <p>Each item of data given below is cross-referenced to the clause marked "C" in the above mentioned Standard Conditions of Tender.</p>		
C.1.1	<p>The Employer is the Head: Public Works (KZN Department of Public Works-Province of KwaZulu-Natal)</p> <p>For this contract the <u>single volume</u> approach is adopted.</p> <p>This procurement document has been formatted and compiled under the headings for a single volume approach as contained in table 5 of the CIDB's "Standard for Uniformity in Engineering and Construction Works Contracts."</p> <p>The list of Returnable Documents identifies which of the documents a Tenderder must complete when submitting a Tender. The Tenderder must submit his Tender by completing the Returnable Documents including the priced Final Summary of the Bills of Quantities, signing the "Offer" section in the "Form of Offer and Acceptance" and delivering the whole of the procurement document back to the Department bound up as it was when it was received.</p>		
C.1.2	<p>The single volume procurement document issued by the Employer comprises the following:</p> <p>TENDER</p> <p>Part T1: Tendering procedures</p> <p>T1.1 - Tender Notice and Invitation to Tender</p> <p>T1.2 - Tender Data</p> <p>T1.3 - Annexure C - Standard Conditions of Tender</p> <p>Part T2: Returnable documents</p> <p>T2.1 - List of returnable documents</p> <p>T2.2 - Returnable schedules (See different forms listed in T2.1 - Returnable Schedule)</p> <p>CONTRACT</p> <p>Part C1: Agreements and Contract Data</p> <p>C1.1 - Form of Offer and Acceptance</p> <p>C1.2 - Contract Data</p> <p>C1.3 - Form of Guarantee (C1.3)</p> <p>Part C2: Pricing data</p> <p>C2.1 - Pricing Instructions</p> <p>C2.2 - Bills of Quantities</p> <p>Part C3: Scope of works</p> <p>C3.1 - Scope of Works</p> <p>C3.2 - Specification for HIV/AIDS awareness</p> <p>C3.3 - HIV/STI Compliance report</p> <p>C3.4 - Project Specific Construction Safety, Health and Environmental Specification</p> <p>C3.5 - Supplementary Preambles</p>		

	Part C4: Site information	
	C4.1 -	Site Information
	C4.2 -	Geotechnical Investigation Report
	Part 5: List of Drawings/Annexure's	
	C5.1 -	List of Drawings
	Annex. 1	Amendments to the Standard Specifications
	Annex. 2	General Electrical Specifications
	Annex. 3	Map of Tender submission location
	Annex. 4	Joint Venture Agreement
	Annex. 5	Health and Safety Specification
	Annex. 6	Health and Safety Bill of Quantities
	Annex. 7	Builders Lien Agreement
	Annex. 8	Geotechnical Investigation Report
	Annex. 9	EPWP Employment Contract
	Annex. 10	Attendance Register - Infrastructure and Other projects
	Annex. 11	EPWP Data Collection tool for Phase 3 system
	Annex. 12	Monthly Data, Worker Payment and Worker Training Capture Form
C.1.4	The Employer's agent (Engineer/Principal Agent) is:	
	Name:	Ms. Nthabiseng Tantsi
	Capacity:	Project Manager
	Address:	40 Shepstone Road , LADYSMITH , LADYSMITH , 3370
	Tel:	036-638-8008
	Fax:	036-638 8099
	E-mail:	Nthabiseng.Tantsi@kznworks.gov.za
	Responsible person:	KZN Department of Public Works
	The second sentence shall read "Communications can be in any of the official languages recognised in KwaZulu-Natal which is English, Afrikaans or Zulu but writing is preferred in English as this is generally accepted as a business language"	
C.1.6	PP2-Competitive Selection Procedure	Design by Employer
	PP2B-Open Procedure	
	Tenderers must meet the minimum qualifying score for functionality criteria first before they can be considered for price and preference.	
C.2.1	For eligibility refer to T1.1 Tender Notice and Invitation to Tender	
	A contract will only be entered into with a Tenderder who has in his employ management and supervisory staff satisfying the requirements of the scope of work for labour intensive competencies for supervisory and management staff during the contract validity of the contract.	
	Only those tenderers who are registered with the CIDB, or are capable of being so prior to the evaluation of submissions, in a contractor grading designation equal to 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 for a :	
	5CE or higher class of construction work, are eligible to have their tenders evaluated.	
	Joint ventures are eligible to submit tenders provided that:	
	1 every member of the joint venture is registered with the CIDB; 2 the lead partner has a contractor grading designation in the 5CE or higher, class of construction work; or not lower than one level below the required the required grading designation in the class of works construction works under considerations and possess the required recognition status 3 the combined contractor grading designation calculated in accordance with the Construction Industry Development Regulations is equal to or higher than a contractor grading designation determined in accordance with the sum tendered for a : 5CE or a value determined in accordance with Regulation 25 (1B) or 25 (7A) of the Construction Industry Development Regulations.	
	See end of T2.3 AUTHORITY FOR CONSORTIA OR JOINT VENTURES TO SIGN TENDER for combinations of JV's arrangements.	

C.2.7	For particulars regarding a pre-tender site inspection meeting (clarification meeting), see T1.1 Tender Notice and Invitation to Tender.
C.2.12	<p>Alternative tender offer permitted: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p> <p>If a tenderer wishes to submit an own alternative tender offer, the only criteria permitted for such alternative tender offer is that it demonstrably satisfies the Employer's standards and requirements. A tenderer may submit alternative tender offers only if a main tender offer, strictly in accordance with all the requirements of the tender documents, is also submitted. Provided that the tenderer's main tender offer is according to specification and would under normal circumstances be recommended for acceptance, his alternative tender offer may also be considered for the purpose of the award of the contract.</p> <p>Calculations, drawings and all other pertinent technical information and characteristics as well as modified or proposed Pricing Data must be submitted with the alternative tender offer to enable the Employer to evaluate the efficacy of the alternative and its principal elements, to take a view on the degree to which the alternative complies with the Employer's standards and requirements and to evaluate the acceptability of the pricing proposals. Calculations must be set out in a clear and logical sequence and must clearly reflect all design assumptions. Pricing Data must reflect all assumptions in the development of the pricing proposal.</p> <p>Acceptance of an alternative tender offer will mean acceptance in principle of the offer. It will be an obligation of the contract for the tenderer, in the event that the alternative is accepted, to accept full responsibility and liability that the alternative offer complies in all respects with the Employer's standards and requirements.</p> <p>The modified Pricing Data must include an amount equal to 5% of the amount tendered for the alternative offer to cover the Employer's costs of confirming the acceptability of the detailed design before it is constructed.</p>
	Only the complete Service as per the Bills of Quantities
C.2.13.2	Tenderers are to ensure that their company details appear on the entire relevant Tender documentation and must be legible.
C.2.13.3	Part of each tender offer communicated on paper shall be submitted as an original, plus ONE copy of the tender document including supporting documents and priced Bill of Quantities where applicable, scanned onto a readable compact disk (CD) in pdf format, at the Tenderers own cost. The CD must be clearly marked with the tender information and company details.
C.2.13.4	The second sentence shall read as follows "The Employer will hold all authorised signatories jointly and severally liable on behalf of the tenderer". Tenderers proposing to contract as a Joint Venture shall submit a valid Joint Venture Agreement before the Joint Venture's offer could be accepted. Individuals, Partnerships and Companies proposing to contract as a party to a Joint Venture shall be jointly and severally liable on behalf of the Joint Venture.
C.2.13.5	The Employer's address for delivery of tender offers and identification details to be shown on each tender offer package are as per T1.1 Tender Notice and Invitation to Tender.
	A Open Procedure will be followed
C.2.15	The closing time for submission of tender offers is as per T1.1 Tender Notice and Invitation to Tender.
C.2.16	The tender offer validity period is as per T1.1 Tender Notice and Invitation to Tender.
C.2.17	Sub-clause C2.17 does not preclude the negotiation of the final terms of the contract with the preferred tenderer, following a competitive selection process, should the Employer elect to do so and provided that the competitive position of the preferred tenderer is not affected.
	The tenderer is to submit the Priced Bills of Quantities with the Returnable's at the closing of the tender.
	The tenderer must submit to the Employer, names of all management and supervisory staff that will be employed to supervise the labour-intensive portion of the works together with satisfactory evidence that
C.2.19	Access shall be provided for inspections, tests and analysis as may be required by the Employer.
C.2.22	Tenderers do not have to return all retained tender documents within 28 days after expiry of the Tender validity period.
	Tenderers are to refer to List of Returnable Schedules and Scope of Works to establish what is required to be submitted with this tender.
C.3.4	The location for opening of the tender offers, immediately after the closing time thereof shall be at: KZN Department of Public Works, Midlands Region Office, 40 Shepstone Road, Ladysmith, 3370 at the time indicated on T1.1 Notice and Invitation to Bid

C.3.8	<p>The employer must determine, on opening and before detailed valuation, whether each Tender offer properly received:</p> <ul style="list-style-type: none"> a) complies with the requirements of the Conditions of Tender. b) has been properly and fully completed and signed, and c) is responsive to the other requirements of the Tender documents. <p>A responsive tender is one that conforms to all the terms, conditions and specifications of the tender documents without material deviation or qualification. A material deviation or qualification is one which, in the Employer's opinion, would:</p> <ul style="list-style-type: none"> a) detrimentally affect the scope, quality, or performance of the Works, services or supply identified in the Scope of Work or b) significantly change the Employers or the Tenderers risks and responsibilities under the contract, or c) affect the competitive position of other Tenderers presenting responsive tenders, if it were to be rectified. <p>Reject a non-responsive tender offer, and not allow it to be subsequently made responsive by correction or withdrawal of the non-conforming deviation or reservation.</p>
C.3.13	<p>Tender offers will only be accepted if:</p> <ul style="list-style-type: none"> (a) Tenderers must be registered on Government's Central Supplier Database (CSD) and include their master registration number (MAAA number) on the cover page of the tender document in order to enable the institution to verify the tenderers tax status on the CSD (b) the Tenderer is registered with the Construction Industry Development Board in an appropriate contractor grading designation is required for this tender and the Tenderer has submitted a CIDB certificate of registration which clearly indicates the status "Active" (c) the Tenderer is not in arrears for more than 3 months with municipal rates and taxes and municipal services charges. (d) the Tenderer has completed the Compulsory Enterprise Questionnaire and there are no conflicts of interest which may impact on the Tenderer's ability to perform to the contract in the best interests of the employer or potentially compromise the Tender process. (e) the tenderer or any of its directors is not listed on the Register of Tender Defaulters in terms of the Prevention and Combating of Corrupt Activities Act, 2004 (Act No. 12 of 2004) as a person prohibited from doing business with the public sector; and (f) the Tenderer has not: <ul style="list-style-type: none"> i) abused the Employer's Supply Chain Management System; or ii) failed to perform on any previous contract and has been given a written notice to this effect. (g) the Tenderer is registered with: <ul style="list-style-type: none"> i) the Unemployment Insurance Fund (UIF); and ii) the Workmen's Compensation Fund (h) the Tenderer submitted Authority to Sign the tender. (i) the Tenderer submitted Financial standing & other resources of Business Declaration. (j) the Tenderer submitted Equipment Schedules, if applicable. (k) the Tenderer signed the Form of Offer that is part of the Form of Offer and Acceptance. (l) the Tenderer submitted Preference Certificate, if applicable. (m) the Tenderer submit Final Summary of Bill of Quantities at tender closing. (n) the Tenderer submitted Bidder's Disclosure. (o) the Tenderer submitted Site Inspection Certificate from the Compulsory Briefing Meeting (p) All information required to assess 'Functionality' as per Tender Data scheduled requirements <p>Providing the form of offer and acceptance does not contain any qualifying statements, it will constitute the formation of a contract between the employer and the successful Tenderer as described in the form of offer and acceptance.</p>
C.3.15	<p>Tenderers are informed that any formal dispute shall be resolved by being referred to Arbitration only.</p>
C.3.17	<p>Provide to the successful Tenderer one copy of the signed contract document and one copy of an unpriced bills of quantities</p>



DEPARTMENT OF HEALTH: DRIEFONTEIN CLINIC: UPGRADE OF SEWER TREATMENT PLANT

T1.3 - Annexure C - Standard Conditions of Tender

T1.3 - Annexure C - Standard Conditions of Tender

Note: Where this document refers to Bid or Bidder it shall be read as tender or tenderer

C.1 General

C.1.1 Actions

C.1.1.1 The employer and each tenderer submitting a tender offer shall comply with these conditions of tender. In their dealings with each other, they shall discharge their duties and obligations as set out in C.2 and C.3, timeously and with integrity, and behave equitably, honestly and transparently and comply with all legal obligations and not engage in anticompetitive practices.

C.1.1.2 The employer and the tenderer and all their agents and employees involved in the tender process shall avoid conflicts of interest and where a conflict of interest is perceived or known, declare any such conflict of interest, indicating the nature of such conflict. Tenderer's shall declare any potential conflict of interest in their tender submissions. Employees, agents and advisors of the employer shall declare any conflict of interest to whoever is responsible for overseeing the procurement process or as soon as they become aware of such conflict, and abstain from any decisions where such conflict exists or recuse themselves from the procurement process, as appropriate.

Note: 1) A conflict of interest may arise due to a conflict of roles which might provide an incentive for improper acts in some circumstances. A conflict of interest can create an appearance of impropriety that can undermine confidence in the ability of that person to act properly in his or her position even if no improper acts result.

2) Conflicts of interest in respect of those engaged in the procurement process include direct, indirect or family interests in the tender or outcome of the procurement process and any personal bias, inclination, obligation, allegiance or loyalty which would in any way affect any decisions taken.

C.1.1.3 The employer shall not seek and the tenderer shall not submit a tender without having a firm intention and the capacity to proceed with the contract.

C.1.2 Tender Documents

The documents issued by the employer for the purpose of a tender offer are listed in the **tender data**.

C.1.3 Interpretation

C.1.3.1 The **tender data** and additional requirements contained in the tender schedules that are included in the returnable documents are deemed to be part of these conditions of tender.

C.1.3.2 These conditions of tender, the **tender data** and tender schedules which are required for tender evaluation purposes, shall form part of any contract arising from the invitation to tender.

C.1.3.3 For the purposes of these conditions of tender, the following definitions apply:

- a) **conflict of interest** means any situation in which:
 - i) someone in a position of trust has competing professional or personal interests which make it difficult to fulfil his or her duties impartially;
 - ii) an individual or tenderer is in a position to exploit a professional or official capacity in some way for their personal or corporate benefit; or
 - iii) incompatibility or contradictory interests exist between an employee and the tenderer who employs that employee.
- b) **comparative offer** means the price after the factors of a non-firm price and all unconditional discounts it can be utilised to have been taken into consideration;
- c) **corrupt practice** means the offering, giving, receiving or soliciting of anything of value to influence the action of the employer or his staff or agents in the tender process;
- d) **fraudulent practice** means the misrepresentation of the facts in order to influence the tender process or the award of a contract arising from a tender offer to the detriment of the employer, including collusive practices intended to establish prices at artificial levels.

C.1.4 Communication and employer's agent

Each communication between the employer and a tenderer shall be to or from the employer's agent only, and in a form that can be read, copied and recorded. Communication shall be in the English language. The employer shall not take any responsibility for non-receipt of communications from or by a tenderer. The name and contact details of the employer's agent are stated in the **tender data**.

C.1.5 Cancellation and Re-Invitation of Tenders

C.1.5.1 An employer may, prior to the award of the tender, cancel a tender if-

- a) due to changed circumstances, there is no longer a need for the engineering and construction works specified in the invitation;
- b) funds are no longer available to cover the total envisaged expenditure; or
- c) no acceptable tenders are received.
- d) there is a material irregularity in the tender process.

C.1.5.2 The decision to cancel a tender invitation must be published in the same manner in which the original tender invitation was advertised.

C.1.5.3 An Employer may only with the prior approval of the relevant treasury cancel a tender invitation for the second time.

C.1.6 Procurement procedures

C.1.6.1 General

Unless otherwise stated in the **tender data**, a contract will, subject to C.3.13, be concluded with the tenderer who in terms of C.3.11 is the highest ranked or the tenderer scoring the highest number of tender evaluation points, as relevant, based on the tender submissions that are received at the closing time for tenders.

C.1.6.2 Competitive negotiation procedure

C.1.6.2.1 Where the **tender data** requires that the competitive negotiation procedure is to be followed, tenderers shall submit tender offers in response to the proposed contract in the first round of submissions. Notwithstanding the requirements of C.3.4, the employer shall announce only the names of the tenderers who make a submission. The requirements of C.3.8 relating to the material deviations or qualifications which affect the competitive position of tenderers shall not apply.

C.1.6.2.2 All responsive tenderers, or at least a minimum of not less than three responsive tenderers that are highest ranked in terms of the evaluation criteria stated in the **tender data**, shall be invited to enter into competitive negotiations based on the principle of equal treatment, keeping confidential the proposed solutions and associated information. Notwithstanding the provisions of C.2.17, the employer may request that tenders be clarified, specified and fine-tuned in order to improve a tenderer's competitive position provided that such clarification, specification, fine-tuning or additional information does not alter any fundamental aspects of the offers or impose substantial new requirements which restrict or distort competition or have a discriminatory effect.

C.1.6.2.3 At the conclusion of each round of negotiations, tenderers shall be invited by the employer to revise their tender offer based on the same evaluation criteria, with or without adjusted weightings. Tenderers shall be advised when they are to submit their best and final offer.

C.1.6.2.4 The contract shall be awarded in accordance with the provisions of C.3.11 and C.3.13 after tenderers have been requested to submit their best and final offer.

C.1.6.3 Proposal procedure using the two stage-system

C.1.6.3.1

Option 1

Tenderers shall in the first stage submit technical proposals and, if required, cost parameters around which a contract may be negotiated. The employer shall evaluate each responsive submission in terms of the method of evaluation stated in the **tender data**, and in the second stage negotiate a contract with the tenderer scoring the highest number of evaluation points and award the contract in terms of these conditions of tender.

F.1.6.3.2

Option 2

C.1.6.3.2.1 Tenderers shall submit in the first stage only technical proposals. The employer shall invite all responsive tenderers to submit tender offers in the second stage, following the issuing of procurement documents.

C.1.6.3.2.2 The employer shall evaluate tenders received during the second stage in terms of the method of evaluation stated in the **tender data**, and award the contract in terms of these conditions of tender.

C.2 Tenderer's obligations

C.2.1 Eligibility

C.2.1.1 Submit a tender offer only if the tenderer satisfies the criteria stated in the **tender data** and the tenderer, or any of his principals, is not under any restriction to do business with employer.

C.2.1.2 Notify the employer of any proposed material change in the capabilities or formation of the tendering entity (or both) or any other criteria which formed part of the qualifying requirements used by the employer as the basis in a prior process to invite the tenderer to submit a tender offer and obtain the employer's written approval to do so prior to the closing time for tenders.

C.2.2 Cost of tendering

C.2.2.1 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.2.2.2 The cost of the tender documents charged by the employer shall be limited to the actual cost incurred by the employer for printing the documents. Employers must attempt to make available the tender documents on its website so as not to incur any costs pertaining to the printing of the tender documents.

C.2.3 Check documents

Check the tender documents on receipt for completeness and notify the employer of any discrepancy or omission.

C.2.4 Confidentiality and copyright of documents

Treat as confidential all matters arising in connection with the tender. Use and copy the documents issued by the employer only for the purpose of preparing and submitting a tender offer in response to the invitation.

C.2.5 Reference documents

Obtain, as necessary for submitting a tender offer, copies of the latest versions of standards, specifications, conditions of contract and other publications, which are not attached but which are incorporated into the tender documents by reference.

C.2.6 Acknowledge addenda

Acknowledge receipt of addenda to the tender documents, which the employer may issue, and if necessary apply for an extension to the closing time stated in the **tender data**, in order to take the addenda into account.

C.2.7 Clarification meeting

Attend, where required, a clarification meeting at which tenderers may familiarize themselves with aspects of the proposed work, services or supply and raise questions. Details of the meeting(s) are stated in the **tender data**.

C.2.8 Seek clarification

Request clarification of the tender documents, if necessary, by notifying the employer at least five (5) working days before the closing time stated in the **tender data**.

C.2.9 Insurance

Be aware that the extent of insurance to be provided by the employer (if any) might not be for the full cover required in terms of the conditions of contract identified in the **contract data**. The tenderer is advised to seek qualified advice regarding insurance.

C.2.10 Pricing the tender offer

C.2.10.1 Include in the rates, prices, and the tendered total of the prices (if any) all duties, taxes (except Value Added Tax (VAT)), and other levies payable by the successful tenderer, such duties, taxes and levies being those applicable 14 days before the closing time stated in the **tender data**.

C.2.10.2 Show VAT payable by the employer separately as an addition to the tendered total of the prices.

C.2.10.3 Provide rates and prices that are fixed for the duration of the contract and not subject to adjustment except as provided for in the conditions of contract identified in the **contract data**.

C.2.10.4 State the rates and prices in Rand unless instructed otherwise in the **tender data**. The conditions of contract identified in the contract data may provide for part payment in other currencies.

C.2.11 Alterations to documents

Do 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 offers

C.2.12.1 Unless otherwise stated in the **tender data**, submit alternative tender offers only if a main tender offer, strictly in accordance with all the requirements of the tender documents, is also submitted as well as a schedule that compares the requirements of the tender documents with the alternative requirements that are proposed.

C.2.12.2 Accept that an alternative tender offer must be based only on the criteria stated in the **tender data** or criteria otherwise acceptable to the employer.

C.2.12.3 An alternative tender offer must only be considered if the main tender offer is the winning tender.

C.2.13 Submitting a tender offer

C.2.13.1 Submit one tender offer only, either as single tendering entity or as a member in a joint venture to provide the whole of the works, services or supply identified in the **contract data** and described in the **scope of works**, unless stated otherwise in the **tender data**.

C.2.13.2 Return all returnable documents to the employer after completing them in their entirety, either electronically (if they were issued in electronic format) or by writing legibly in non-erasable ink.

C.2.13.3 Submit the parts of the tender offer communicated on paper as an original plus the number of copies stated in the **tender data**, with an English translation of any documentation in a language other than English, and the parts communicated electronically in the same format as they were issued by the employer.

C.2.13.4 Sign the original and all copies of the tender offer where required in terms of the **tender data**. The employer will hold all authorized signatories liable on behalf of the tenderer. Signatories for tenderers proposing to contract as joint ventures shall state which of the signatories is the lead partner whom the employer shall hold liable for the purpose of the tender offer.

C.2.13.5 Seal the original and each copy of the tender offer as separate packages marking the packages as "ORIGINAL" and "COPY". Each package shall state on the outside the employer's address and identification details stated in the **tender data**, as well as the tenderer's name and contact address.

C.2.13.6 Where a two-envelope system is required in terms of the **tender data**, place and seal the returnable documents listed in the tender data in an envelope marked "financial proposal" and place the remaining returnable documents in an envelope marked "technical proposal". Each envelope shall state on the outside the employer's address and identification details stated in the **tender data**, as well as the tenderer's name and contact address.

C.2.13.7 Seal the original tender offer and copy packages together in an outer package that states on the outside only the employer's address and identification details as stated in the **tender data**.

C.2.13.8 Accept that the employer will not assume any responsibility for the misplacement or premature opening of the tender offer if the outer package is not sealed and marked as stated.

C.2.13.9 Accept that tender offers submitted by facsimile or e-mail will be rejected by the employer, unless stated otherwise in the **tender data**.

C.2.14 Information and data to be completed in all respects

Accept that tender offers, which do not provide all the data or information requested completely and in the form required, may be regarded by the employer as non-responsive.

C.2.15 Closing time

C.2.15.1 Ensure that the employer receives the tender offer at the address specified in the **tender data** not later than the closing time stated in the tender data. Accept that proof of posting shall not be accepted as proof of delivery.

C.2.15.2 Accept that, if the employer extends the closing time stated in the **tender data** for any reason, the requirements of these conditions of tender apply equally to the extended deadline.

C.2.16 Tender offer validity

C.2.16.1 Hold the tender offer(s) valid for acceptance by the employer at any time during the validity period stated in the **tender data** after the closing time stated in the **tender data**.

C.2.16.2 If requested by the employer, consider extending the validity period stated in the **tender data** for an agreed additional period with or without any conditions attached to such extension.

C.2.16.3 Accept that a tender submission that has been submitted to the employer may only be withdrawn or substitutes 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 lapses before the employer evaluating the tender offer(s), the contractor reserves the right to review the price based on Consumer Price Index (CPI)

C.2.16.4 Where a tender submission is to be substituted, a tenderer must submit a substitute tender in accordance with the requirements of C.2.13 with the packages clearly marked as "SUBSTITUTE".

C.2.17 Clarification of tender offer after submission

Provide clarification of a tender offer in response to a request to do so from the employer during the evaluation of tender offers. This may include providing a breakdown of rates or prices and correction of arithmetical errors by the adjustment of certain rates or item prices (or both). No change in the competitive position of tenderers or substance of the tender offer is sought, offered, or permitted.

Note: *Sub-clause C.2.17 does not preclude the negotiation of the final terms of the contract with a preferred tenderer following a competitive selection process, should the Employer elect to do so.*

C.2.18 Provide other material

C.2.18.1 Provide, on request by the employer, any other material that has a bearing on the tender offer, the tenderer's commercial position (including notarized joint venture agreements), preferencing arrangements, or samples of materials, considered necessary by the employer for the purpose of a full and fair risk assessment. Should the tenderer not provide the material, or a satisfactory reason as to why it cannot be provided, by the time for submission stated in the employers request, the employer may regard the tender offer as non-responsive.

C.2.18.2 Dispose of samples of materials provided for evaluation by the employer, where required.

C.2.19 Inspections, tests and analysis

Provide access during working hours to premises for inspections, tests and analysis as provided for in the **tender data**.

C.2.20 Submit securities, bonds and policies

If requested, submit for the employer's acceptance before formation of the contract, all securities, bonds, guarantees, policies and certificates of insurance required in terms of the conditions of contract identified in the **contract data**.

C.2.21 Check final draft

Check the final draft of the contract provided by the employer within the time available for the employer to issue the contract.

C.2.22 Return of other tender documents

If so instructed by the employer, return all retained tender documents within 28 days after the expiry of the validity period stated in the **tender data**.

C.2.23 Certificates

Include in the tender submission or provide the employer with any certificates as stated in the **tender data**.

C.3 The employer's undertakings

C.3.1 Respond to request from the tenderer

C.3.1.1 Unless otherwise stated in the **tender data**, respond to a request for clarification received up to five (5) working days before the tender closing time stated in the **tender data** and notify all tenderers who collected tender documents.

C.3.1.2 Consider any request to make a material change in the capabilities or formation of the tendering entity (or both) or any other criteria which formed part of the qualifying requirements used to prequalify a tenderer to submit a tender offer in terms of a previous procurement process and deny any such request if as a consequence:

- a) an individual firm, or a joint venture as a whole, or any individual member of the joint venture fails to meet any of the collective or individual qualifying requirements;
- b) the new partners to a joint venture were not prequalified in the first instance, either as individual firms or as another joint venture; or
- c) in the opinion of the Employer, acceptance of the material change would compromise the outcome of the prequalification process.

C.3.2 Issue Addenda

If necessary, issue addenda that may amend or amplify the tender documents to each tenderer during the period from the date that tender documents are available until three (3) days before the tender closing time stated in the **tender data**. If, as a result a tenderer applies for an extension to the closing time stated in the **tender data**, the Employer may grant such extension and, shall then notify all tenderers who collected tender documents.

C.3.3 Return late tender offers

Return tender offers received after the closing time stated in the **tender data**, unopened, (unless it is necessary to open a tender submission to obtain a forwarding address), to the tenderer concerned.

C.3.4 Opening of tender submissions

- C.3.4.1** Unless the two-envelope system is to be followed, open valid tender submissions in the presence of tenderers' agents who choose to attend at the time and place stated in the **tender data**. Tender submissions for which acceptable reasons for withdrawal have been submitted will not be opened.
- C.3.4.2** Announce at the meeting held immediately after the opening of tender submissions, at a venue indicated in the **tender data**, the name of each tenderer whose tender offer is opened and, where applicable, the total of his prices, number of points claimed for its BBBEE status level and time for completion for the main tender offer only.
- C.3.4.3** Make available the record outlined in C.3.4.2 to all interested persons upon request.

C.3.5 Two-envelope system

- C.3.5.1** Where stated in the tender data that a two-envelope system is to be followed, open only the technical proposal of valid tenders in the presence of tenderer's' agents who choose to attend at the time and place stated in the **tender data** and announce the name of each tenderer whose technical proposal is opened.
- C.3.5.2** Evaluate the functionality of the technical proposals offered by tenderers, then advise tenderers who remain in contention for the award of the contract of the time and place when the financial proposals will be opened. Open only the financial proposals of tenderers, who score in the functionality evaluation more than the minimum number of points for functionality stated in the **tender data**, and announce the score obtained for the technical proposals and the total price and any points claimed on BBBEE status level. Return unopened financial proposals to tenderers whose technical proposals failed to achieve the minimum number of points for functionality.

C.3.6 Non-disclosure

Not disclose to tenderers, or to any other person not officially concerned with such processes, information relating to the evaluation and comparison of tender offers, the final evaluation price and recommendations for the award of a contract, until after the award of the contract to the successful tenderer.

C.3.7 Grounds for rejection and disqualification

Determine whether there has been any effort by a tenderer to influence the processing of tender offers and instantly disqualify a tenderer (and his tender offer) if it is established that he engaged in corrupt or fraudulent practices.

C.3.8 Test for responsiveness

- C.3.8.1** Determine, after opening and before detailed evaluation, whether each tender offer properly received:
- a) complies with the requirements of these Conditions of Tender,
 - b) has been properly and fully completed and signed, and
 - c) is responsive to the other requirements of the tender documents.
- C.3.8.2** A responsive tender is one that conforms to all the terms, conditions, and specifications of the tender documents without material deviation or qualification. A material deviation or qualification is one which, in the Employer's opinion, would:
- a) detrimentally affect the scope, quality, or performance of the works, services or supply identified in the Scope of Work,
 - b) significantly change the Employer's or the tenderer's risks and responsibilities under the contract, or
 - c) affect the competitive position of other tenderers presenting responsive tenders, if it were to be rectified.

Reject a non-responsive tender offer, and not allow it to be subsequently made responsive by correction or withdrawal of the non-conforming deviation or reservation.

C.3.9 Arithmetical errors, omissions and discrepancies

- C.3.9.1** Check Responsive tenders for discrepancies between amounts in words and amounts in figures. Where there is a discrepancy between the amounts in figures and the amount in words, the amount in words shall govern.
- C.3.9.2** Check the highest ranked tender or tenderer with the highest number of tender evaluation points after the evaluation of tender offers in accordance with C.3.11 for:
- a) the gross misplacement of the decimal point in any unit rate;
 - b) omissions made in completing the pricing schedule or bills of quantities; or
 - c) arithmetic errors in:
 - i) line items totals resulting from the product of a unit rate and a quantity in bills of quantities or schedules of prices; or
 - ii) the summation of the prices.
- C.3.9.3** Notify the tenderer of all errors or omissions that are identified in the tender offer and either confirm the tender offer as tendered or accept the corrected total of prices
- C.3.9.4** Where the tenderer elects to confirm the tender offer as tendered, correct the errors as follows:
- a) If bills of quantities or pricing schedules apply and there is an error in the line item total resulting from the product of the unit rate and the quantity, the line item total shall govern and the rate shall be corrected. Where there is an obviously gross misplacement of the decimal point in the unit rate, the line item total as quoted shall govern, and the unit rate shall be corrected.
 - b) Where there is an error in the total of the prices either as a result of other corrections required by this checking process or in the tenderer's addition of prices, the total of the prices shall govern and the tenderer will be asked to revise selected item prices (and their rates if bills of quantities apply) to achieve the tendered total of the prices.

C.3.10 Clarification of a tender offer

Obtain clarification from a tenderer on any matter that could give rise to ambiguity in a contract arising from the tender offer.

C.3.11 Evaluation of tender offers

The Standard Conditions of Tender standardize the procurement processes, methods and procedures from the time that tenders are invited to the time that a contract is awarded. They are generic in nature and are made project specific through choices that are made in developing the Tender Data associated with a specific project.

Conditions of tender are by definition the document that establishes a tenderer's obligations in submitting a tender and the employer's undertakings in soliciting and evaluating tender offers. Such conditions establish the rules from the time a tender is advertised to the time that a contract is awarded and require employers to conduct the process of offer and acceptance in terms of a set of standard procedures

The CIDB Standard Conditions of Tender are based on a procurement system that satisfies the following system requirements:	
Requirement	Qualitative interpretation of goal
Fair	The process of offer and acceptance is conducted impartially without bias, providing simultaneous and timely access to participating parties to the same information.
Equitable	Terms and conditions for performing the work do not unfairly prejudice the interests of the parties.
Transparent	The only grounds for not awarding a contract to a tenderer who satisfies all requirements are restrictions from doing business with the employer, lack of capability or capacity, legal impediments and conflicts of interest.
Competitive	The system provides for appropriate levels of competition to ensure cost effective and best value outcomes.
Cost effective	The processes, procedures and methods are standardized with sufficient flexibility to attain best value outcomes in respect of quality, timing and price, and least resources to effectively manage and control procurement processes.

The activities associated with evaluating tender offers are as follows:

- a) Open and record tender offers received
- b) Determine whether or not tender offers are complete
- c) Determine whether or not tender offers are responsive
- d) Evaluate tender offers
- e) Determine if there are any grounds for disqualification
- f) Determine acceptability of preferred tenderer
- g) Prepare a tender evaluation report
- h) Confirm the recommendation contained in the tender evaluation report

C.3.11.1 General

The employer must appoint an evaluation panel of not less than three persons conversant with the proposed scope of works to evaluate each responsive tender offer using the tender evaluation methods and associated evaluation criteria and weightings that are specified in the tender data.



DEPARTMENT OF HEALTH: DRIEFONTEIN CLINIC: UPGRADE OF SEWER TREATMENT PLANT

PART T2 - RETURNABLE DOCUMENTS

T2.1 LIST OF RETURNABLE DOCUMENTS

Project title:	DEPARTMENT OF HEALTH: DRIEFONTEIN CLINIC: UPGRADE OF SEWER TREATMENT PLANT		
Project Manager:	Ms. Nthabiseng Tantsi	Tender no:	ZNTL04204W

1. RETURNABLE SCHEDULES REQUIRED FOR TENDER EVALUATION PURPOSES

(Tenderer to Insert a tick (✓) in the "Returnable document" column to check which documents he/she returned with the tender)

Tender document name	Returnable document	
Bidder's Disclosure - SBD 4 (T2.11)	Yes	
Authority to Sign Tender (T2.2)	Yes	
Authority for Consortia or Joint Venture's to Sign Tender (T2.3)	Yes	
Special Resolution of Consortia or Joint Venture's (T2.4)	Yes	
Schedule of Proposed Sub-Contractors (T2.6)	Yes	
Joint Venture Involvement Declaration (T2.5)	Yes	
Capacity of Tenderer (T2.7)	Yes	
Annual Financial Statement for past financial year (T2.15)	Yes	
Site Inspection Certificate as proof for attendance of compulsory briefing meeting (T2.10)	Yes	
Preference Points Claim Form (T2.9)	Yes	
Compulsory Enterprise Questionnaire (T2.18)	Yes	
Financial Standing and other resources of Business Declaration (T2.8)	Yes	
Contractor's Safety, Health and Environmental Declaration (T2.17)	Yes	
Complete Priced Bill of Quantities (T2.22)	Yes	
Certified Proof of CIDB Registration Number (T2.27)	Yes	
Contract Form - Purchase of Goods/Works - Part 1 (T2.29)	No	N/A
Contract Form - Purchase of Goods/Works - Part 2 (T2.30)	No	N/A
Functionality Criteria (T2.34)	Yes	
Invitation to Tender - SBD 1 (T2.35)	Yes	

2. RETURNABLE SCHEDULES REQUIRED FOR TENDER EVALUATION PURPOSES BUT TO BE SUPPLIED BY THE TENDERER

(Tenderer to Insert a tick (✓) in the "Returnable document" column to check which documents he/she returned with the tender)

Tender document name	Returnable document	
Tax Compliance Status (TCS) PIN to verify on line Compliance Supplier Status via e-Filing (T2.19)	Yes	
Certified Proof of Good Standing with the Compensation Commissioner (Attach) (T2.20)	Yes	
Proof of payment of Tender deposit (T2.28)	Yes	
Certified Proof of Paid Municipal Rates and Taxes (Attach) (T2.23)	Yes	
Certified Proof of UIF Registration (Attach) (T2.24)	Yes	
Certified Proof of Registration Number on the Central Suppliers Database (T2.26)	Yes	
Annual Financial Statement for past financial year (T2.15)	Yes	
Entire tender document including returnable and supporting documents, scanned as PDF onto a CD, clearly marked with the Tender information.	Yes	

3. RETURNABLE SCHEDULES THAT WILL BE INCORPORATED INTO THE CONTRACT

(Tenderer to Insert a tick (✓) in the "Returnable document" column to check which documents he/she returned with the Tender)

Tender document name	Returnable document	
Form of Offer and Acceptance (Bound into Section 1 of 2) (T2.21)	Yes	
Record of Addenda to Tender Documents (T2.12)	Yes	
Particulars of Electrical Contractor (T2.13)	Yes	
Equipment Schedules-Mechanical / Electrical / Security Material (T2.16)	No	N/A
Schedule of Imported Materials and Equipment (T2.14)	No	N/A
Confirm Receipt of Offer and Acceptance (T2.21a)	Yes	

4. OTHER DOCUMENTS THAT WILL BE INCORPORATED INTO THE CONTRACT

(Tenderer to Insert a tick (✓) in the "Returnable document" column to check which documents he/she returned with the Tender)

Tender document name	Returnable document	
Bill of Quantities (T2.22)	Yes	
Form of Guarantee (C1.3)	Yes	
List of Drawings/Annexure's (C5.1)	Yes	
The National Industrial Participation Programme (T2.25)	Yes	
Required Structure of Contractor's detailed OHSE Plan (T2.31)	Yes	
Client's specific requirements for the Contractor's detailed OHSE Plan (T2.32)	Yes	
Base line Risk Assessment (T2.33)	Yes	

5. DOCUMENTS REQUIRED FOR THE EVALUATION OF FUNCTIONALITY

(Tenderer to Insert a tick (✓) in the "Returnable document" column to check which documents he/she returned with the Tender)

Tender document name	Returnable	
Confirmation of available working capital/bridging finance of at least 10% of project value / letter from bank/ bank statement confirming available cash resources	Yes	
Letters of credit reference from suppliers and credit limits to be stipulated with supporting documents. Each letter must not be older than 01 calendar month of the date of tender closing. (minimum value of R100	Yes	
Annual/Audited Financial Statement/Management Account/income and Expenditure Statements	Yes	
Detailed schedule of resources at all levels (see Organogram T2.40)	Yes	
Schedule of years of experience on civil projects	Yes	
Schedule of experience on projects of 4CE or higher and duration (Past 10 years) – letters of award to be attached and practical completion certificate for all work completed in the preceding 10 years	Yes	
Demonstrated ability to complete projects on time	Yes	
Experience in projects that have operational challenges i.e. public interface	Yes	
Submission of a detailed organogram	Yes	
All key project resources have more than (5) years' experience in the construction industry.	Yes	
All key project resources have experience in projects of 4 CE or above.	Yes	
Detailed CV. Traceable reference. Certificates of registered professionals in their full employment to be attached.	Yes	
Detailed CV of each team member (Category) and Traceable references to be detailed	Yes	
All key project resources are dedicated full time for the duration of the project including proof of UIF contributions	Yes	

Letter from a registered financial institution confirming intention to issue a provision of a guarantee. (Letter must not be older than 01 calendar month of the tender closing)	Yes	
Site establishment indicating proposed layout for all prescribed facilities, hoarding, etc.	Yes	
Resourcing strategy for the various work breakdown structures including resource deployment plan	Yes	
Material storage, handling and distribution	Yes	
Productivity, programming, resource investment, progress tracking, corrective action plans, etc.	Yes	
Programme and progress reporting, including tracking of long lead procurement items	Yes	
OHS Management, compliance and reporting	Yes	
Site documentation control, filing and archiving	Yes	
Queries and information required approach	Yes	
Procurement of outsourced resources e.g. local sub-contractors	Yes	

T2.2 AUTHORITY TO SIGN TENDER

RESOLUTION of a meeting of the Board of *Directors / Members / Partners of:

(Legally correct full name and registration number, if applicable, of the Enterprise)

held at (town) : _____ on (date) : _____

RESOLVED that:

1. The Enterprise submits a Tender to the KZN Department of Public Works in respect of the following project:

DEPARTMENT OF HEALTH: DRIEFONTEIN CLINIC: UPGRADE OF SEWER TREATMENT PLANT

Tender Number: **ZNTL04204W**

2.

*Mr./Mrs./Ms: _____

in *his/her capacity as: _____ (Position in the Enterprise)

and who will sign as follows: _____ (Authorised Signatory)

be, and is hereby, authorised to sign the Tender, and any and all other documents and/or correspondence in connection with and relating to this Tender, as well as to sign any Contract, and any and all documentation, resulting from the award of the Tender to the Enterprise mentioned above.

	Name	Capacity	Signature
1			
2			
3			
4			
5			
6			
7			
8			

Note:

1. * Delete which is not applicable.
2. NB. This resolution / Power of Attorney must be signed by all the Directors / Members / Partners of the Legal Tendering Enterprise authorising the Representative to make this Offer.
3. Should the number of Directors / Members/Partners exceed the space available above, additional names and signatures must be supplied on a separate page.
4. In the case of the tendering Enterprise being a Close Corporation, a **certified copy of the Founding Statement** of such corpora - tion must be attached to this tender.

ENTERPRISE STAMP (If Any)

Page 1 of 2

Telephone number: (Dialling Code followed by number) _____

Fax number: (Dialling Code followed by number) _____

Email Address : _____

***BOARD OF DIRECTORS / MEMBERS / PARTNERS in Consortium of Joint Venture**

	Name	Capacity	Signature
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			

Note:

1. * Delete which is not applicable.
2. NB. This resolution / Power of Attorney must be signed by all the Directors / Members / Partners of the Tendering Enterprise.
3. Should the number of Directors / Members/Partners exceed the space available above, additional names and signatures must be supplied on a separate page.

ENTERPRISE STAMP (If Any)

Deemed to satisfy joint venture arrangements	Designation	
Grading 2 + Grading 2 + Grading 2	= 3	Tenderers who envisage entering into a Joint Venture shall complete a submit a Joint Venture Agreement (see copy of CIDB's agreement elsewhere in this document) with this Tender.
Grading 3 + Grading 3 + Grading 3	= 4	
Grading 4 + Grading 4	= 5	
Grading 4 + Grading 3 + Grading 3	= 5	
Grading 5 + Grading 5	= 6	
Grading 5 + Grading 4 + Grading 4	= 6	THE CIDB JOINT VENTURE GRADING DESIGNATION CALCULATOR sums the capacity of all joint venture partners and calculates a grading designation for the joint venture
Grading 6 + Grading 6	= 7	
Grading 6 + Grading 5 + Grading 5	= 7	
Grading 7 + Grading 7 + Grading 7	= 8	
Grading 8 + Grading 8 + Grading 8	= 9	

T2.4 SPECIAL RESOLUTION OF CONSORTIA OR JOINT VENTURES

RESOLUTION of a meeting of the duly authorised representatives of the following legal entities who have entered into a consortium/joint venture to jointly tender for the project mentioned below: *(legally correct full names and registration numbers, of the Enterprises forming a Consortium/Joint Venture)*

2.

3.

4.

5.

6.

7.

8.

held at: _____ (place) on _____ (date)

RESOLVED that:

- A. The above-mentioned Enterprises submits a Tender in Consortium/Joint Venture to the KZN Department of Public Works in respect of the following project:

DEPARTMENT OF HEALTH: DRIEFONTEIN CLINIC: UPGRADE OF SEWER TREATMENT PLANT

Tender Number: **ZNTL04204W**

Project Code: **WIMS 066058**

B. Mr/Mrs/Ms: _____ in

*his/her Capacity as: _____ (Position in the Enterprise)

and who will sign as follows: _____

be, and is hereby, authorised to sign the Tender, and any and all other documents and/or correspondence in connection with and relating to the Tender, as well as to sign any Contract, and any and all documentation, resulting from the award of the Tender to the Enterprises in Consortium/Joint Venture mentioned above.

C. The Enterprises constituting the Consortium/Joint Venture, notwithstanding its composition, shall conduct all business under the name and style of: _____

D. The Enterprises to the Consortium/Joint Venture accept joint and several liability for the due fulfilment of the obligations of the Consortium/Joint Venture deriving from, and in any way connected with, the Contract entered into with the Department in respect of the project described under item A above.

E. Any of the Enterprises to the Consortium/Joint Venture intending to terminate the consortium/joint venture agreement, for whatever reason, shall give the Department 30 days written notice of such intention. Notwithstanding such decision to terminate, the Enterprises shall remain jointly and severally liable to the Department for the due fulfilment of the obligations of the Consortium/Joint Venture as mentioned under item D above.

F. No Enterprise to the Consortium/Joint venture shall, without the prior written consent of the other Enterprises to the Consortium/Joint Venture and of the Department, cede any of its rights or assign any of its obligations under the consortium/joint Venture and of the Department, cede any of its rights or assign any of its obligations under the consortium/joint venture agreement in relation to the Contract with the Department referred to herein.

G. The Enterprises choose as the *domicilium citandi et executandi* of the consortium/joint venture for all purposes arising from the consortium/joint venture agreement and the Contract with the Department in respect of the project under item A above:

Physical address: _____

_____ (Postal Code)

Postal Address: _____

_____ (Postal Code)

Telephone number: (Dialling Code followed by number) _____

Fax number: (Dialling Code followed by number) _____

Email Address : _____

***BOARD OF DIRECTORS / MEMBERS / PARTNERS in Consortium of Joint Venture**

	Name	Capacity	Signature
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			

Note:

1. * Delete which is not applicable.
2. **NB.** This resolution / Power of Attorney must be signed by all the Duly Authorised Representatives of the Legal Entities to the Consortium/Joint Venture submitting this Tender.
3. Should the number of Duly Authorised Representatives of the Legal Entities joining forces in this Tender exceed the space available above, additional names and signatures must be supplied on a separate page.
4. Resolutions, duly completed and signed, from the separate Enterprises who participate in this Consortium/Joint Venture must be attached to the Special Resolution.

T2.5 JOINT VENTURES INVOLVEMENT DECLARATION

Project title:	DEPARTMENT OF HEALTH: DRIEFONTEIN CLINIC: UPGRADE OF SEWER TREATMENT PLANT		
Tender no:	ZNTL04204W	Project Code:	WIMS 066058

DECLARATION RELATING TO A TENDER SUBMITTED BY A JOINT VENTURE :

I/We the undersigned parties do hereby declare that our respective involvement in the Works, of which I/we tender by Joint Venture, would be as follows :-

Party No. 1			
CENTRAL SUPPLIERS DATABASE REGISTRATION NO:			
TenderDERS CIDB REGISTRATION NUMBER:			
Name			
Address			
Percentage involvement	%		

Party No. 2			
CENTRAL SUPPLIERS DATABASE REGISTRATION NO:			
TENDERERS CIDB REGISTRATION NUMBER:			
Name			
Address			
Percentage involvement	%		

Party No. 3			
CENTRAL SUPPLIERS DATABASE REGISTRATION NO:			
TenderDERS CIDB REGISTRATION NUMBER:			
Name			
Address			
Percentage involvement	%		

Signed - Party No. 1

I/We (Full Name) _____

duly authorised in my capacity as _____

of (Enterprise name): _____

do jointly and severally accept responsibility for the due performance of the Works contained in the above project should such Tender submitted by the Joint Venture be accepted.

Signed by Authorised Representative

Date

Signed - Party No. 2

I/We (Full Name) _____

duly authorised in my capacity as _____

of (Enterprise name): _____

do jointly and severally accept responsibility for the due performance of the Works contained in the above project should such tender submitted by the Joint Venture be accepted.

Signed by Authorised Representative

Date

Signed - Party No. 3

I/We (Full Name) _____

duly authorised in my capacity as _____

of (Enterprise name): _____

do jointly and severally accept responsibility for the due performance of the Works contained in the above project should such tender submitted by the Joint Venture be accepted.

Signed by Authorised Representative

Date
Page 2 of 2

T2.6 SCHEDULE OF PROPOSED SUBCONTRACTORS

Project title:	DEPARTMENT OF HEALTH: DRIEFONTEIN CLINIC: UPGRADE OF SEWER TREATMENT PLANT		
Tender no:	ZNTL04204W	Project Code:	WIMS 066058

We notify you that it is our intention to employ the following Subcontractors for work in this contract. The Subcontractors will all be CIDB registered and their CIDB Registration number shall be submitted below.

If we are awarded a contract we agree that this notification does not change the requirement for us to submit the names of proposed subcontractors in accordance with requirements in the contract for such appointments. If there are no such requirements in the contract, then your written acceptance of this list shall be binding between us.

We confirm that all subcontractors who are contracted to construct a house **are registered as home builders with the National Home Builders Registration Council**.

No	Name and address of proposed Subcontractor	Nature and extent of work	Year Completed	Value (R):	Contact Tel No:	Previous experience with Subcontractor
1						
	CIDB Registration Number:					
2						
	CIDB Registration Number:					
3						
	CIDB Registration Number:					
4						
	CIDB Registration Number:					
5						
	CIDB Registration Number:					
Name of authorised representative		Signature		Capacity		Date
Name of Enterprise:						

T2.7 CAPACITY OF TENDERER

Project title:	DEPARTMENT OF HEALTH: DRIEFONTEIN CLINIC: UPGRADE OF SEWER TREATMENT PLANT		
Tender no:	ZNTL04204W	Project Code:	WIMS 066058

1. **WORK CAPACITY:** (The Tenderer is requested to furnish the following capacity particulars and to attach additional pages if more space is required. Failure to furnish the particulars may result in the Tender being disregarded.)

- 1.1. **Artisans and Employees:** *(Artisans and Employees to be ,or are ,employed for this project)*

Categories of Employee - Key Personnel (part of Business Enterprise)	Professional Registration No.	Date of Employment	Number
Site Agent			
Project Manager			
Foreman			
Quality Control & Safety Officer-Construction Supervisor			
Artisans			
Unskilled employees			
Others			

1.2. Provide full particulars of the following Assets: *(Assets owned and to be hired - Indicate owned assets)*

Machinery	Plant	Equipment	Vehicles

1.3. Workshops:

Address of Main Workshop:	Address of Regional Workshop (If Applicable):

1.4. Other offers submitted at time of this tender for which results are pending:
(Any other client's tender must also be included)

Tender No.	Project Name	Client Name & Contact No.	Value Tendered in R's	Date Tender submitted	Contact Detail

2. PARTICULARS OF THE TENDERERS CURRENT AND PREVIOUSLY COMPLETED COMMITMENTS:

2.1. Current private sector projects: (List the 5 projects closest to the contractor grading designation of this project)

1	Project Name		Date of commencement	
	Place (town)		Contract Amount (R)	
	Reference / Contact person		Contract period	
	Contact Tel. No.		Scheduled date of completion	
2	Project Name		Date of commencement	
	Place (town)		Contract Amount (R)	
	Reference / Contact person		Contract period	
	Contact Tel. No.		Scheduled date of completion	
3	Project Name		Date of commencement	
	Place (town)		Contract Amount (R)	
	Reference / Contact person		Contract period	
	Contact Tel. No.		Scheduled date of completion	
4	Project Name		Date of commencement	
	Place (town)		Contract Amount (R)	
	Reference / Contact person		Contract period	
	Contact Tel. No.		Scheduled date of completion	
5	Project Name		Date of commencement	
	Place (town)		Contract Amount (R)	
	Reference / Contact person		Contract period	
	Contact Tel. No.		Scheduled date of completion	

2.2. Current Government sector projects: *(List the 5 projects closest to the contractor grading designation of this project)*

1	Project Name		Date of commencement	
	Place (town)		Contract Amount (R)	
	Reference / Contact person		Contract period	
	Contact Tel. No.		Scheduled date of completion	
2	Project Name		Date of commencement	
	Place (town)		Contract Amount (R)	
	Reference / Contact person		Contract period	
	Contact Tel. No.		Scheduled date of completion	
3	Project Name		Date of commencement	
	Place (town)		Contract Amount (R)	
	Reference / Contact person		Contract period	
	Contact Tel. No.		Scheduled date of completion	
4	Project Name		Date of commencement	
	Place (town)		Contract Amount (R)	
	Reference / Contact person		Contract period	
	Contact Tel. No.		Scheduled date of completion	
5	Project Name		Date of commencement	
	Place (town)		Contract Amount (R)	
	Reference / Contact person		Contract period	
	Contact Tel. No.		Scheduled date of completion	

2.3. Previously completed projects: *(List the 5 projects closest to the contractor grading designation of this project)*

1	Project Name		Date of commencement	
	Place (town)		Contract Amount (R)	
	Reference / Contact person		Contract period	
	Contact Tel. No.		Date completed	
2	Project Name		Date of commencement	
	Place (town)		Contract Amount (R)	
	Reference / Contact person		Contract period	
	Contact Tel. No.		Date completed	
3	Project Name		Date of commencement	
	Place (town)		Contract Amount (R)	
	Reference / Contact person		Contract period	
	Contact Tel. No.		Date completed	
4	Project Name		Date of commencement	
	Place (town)		Contract Amount (R)	
	Reference / Contact person		Contract period	
	Contact Tel. No.		Date completed	
5	Project Name		Date of commencement	
	Place (town)		Contract Amount (R)	
	Reference / Contact person		Contract period	
	Contact Tel. No.		Date completed	

Name of Tenderer	Signature of authorised representative	Date

T2.8 FINANCIAL STANDING AND OTHER RESOURCES OF BUSINESS DECLARATION

Project title:	DEPARTMENT OF HEALTH: DRIEFONTEIN CLINIC: UPGRADE OF SEWER TREATMENT PLANT
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Tender no:	ZNTL04204W	Project Code:	WIMS 066058
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- (a) Based on the track record determined on the Minimum Average Annual Turnover coupled to the assessed Works Capabilities of Contracting Enterprises, the Construction Industry Development Board (CIDB) awards Grading Designations and accordingly registers it on the system.
- (b) However, it regularly occurs that a Contractor will at the same time submit tenders for a number of projects that are advertised during an overlapping period. Moreover, the Contractor may be busy with a Contract that is of the registered CIDB Grading Designation (value) or is even attending to a number of smaller valued Contracts.
- (c) It therefore becomes the prerogative of a Tenderer in such instances to prove to the Department that the Enterprise has the capacity in every respect to attend to more than one (1) contract at a time.
- (d) A Tenderer who wishes to be considered for this tender Contract award, over and above other tenders that they have submitted, shall submit when requested by the DoPW the necessary proof that:
- (i) he/she has access to additional finance (inclusive of a PERFORMANCE GUARANTEE BY A REGISTERED FINANCIAL INSTITUTION),
 - (ii) he/she has additional Human Resources available to successfully complete this project.
 - (iii) he/she has adequate Equipment, Plant and Machinery that all of the above can, undoubtedly, be sourced for this tender. (Please submit to the DoPW the name and contact details of the supplier if the Tenderer is going to hire Equipment, Plant or Machinery, when requested.)
- (e) Tenderer to submit their latest 12 months audited financial statements with the returnable documents.

I, the undersigned,

(name of person authorized to sign on behalf of the Tenderer)

understand that it is the responsibility of the Tenderer to prove and provide when requested by the DoPW, evidence of the good Financial Standing of the Business to complete the Contract successfully.

Furthermore, it is understood that failure to provide when requested by DoPW, at least the information as stated in paragraphs (d)(i)(ii) AND (iii) above will not enable the Evaluation Team to assess the CURRENT financial standing of the Business and the failure to provide said information when requested will, therefore, invalidate the Tender.

I accept and understand that the KZN Department of Public Works, as representative of the Provincial Administration of KwaZulu-Natal in this tender, may act against me and the Tenderer, jointly and severally, should this declaration and/or any information provided be found to be false.

Duly signed at..... on this the..... day of..... 20..

Full Name of Signatory

Name of Enterprise

Capacity of Signatory

Signature of authorised representative

T2.9 PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL PROCUREMENT REGULATIONS 2022

Project Title:	DEPARTMENT OF HEALTH: DRIEFONTEIN CLINIC: UPGRADE OF SEWER TREATMENT PLANT
Tender Number:	ZNTL04204W
Project Code:	WIMS 066058

SBD 6.1

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

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

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

1. GENERAL CONDITIONS

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

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

1.2 To be completed by the organ of state

(delete whichever is not applicable for this tender).

- The applicable preference point system for this tender is the 90/10 preference point system.
- The applicable preference point system for this tender is the 80/20 preference point system.
- Either the 90/10 or 80/20 preference point system will be applicable in this tender. The lowest/ highest acceptable tender will be used to determine the accurate system once tenders are received.

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

- Price; and
- Specific Goals.

1.4 To be completed by the organ of state:

The maximum points for this tender are allocated as follows:

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

1.5 Failure on the part of a tenderer to submit proof or documentation required in terms of this tender to claim points for specific goals with the tender, will be interpreted to mean that preference points for specific goals are not claimed.

1.6 The organ of state reserves the right to require of a tenderer, either before a tender is adjudicated or at any time subsequently, to substantiate any claim in regard to preferences, in any manner required by the organ of state.

2. DEFINITIONS

- "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;
- "price" means an amount of money tendered for goods or services, and includes all applicable taxes less all unconditional discounts;
- "rand value" means the total estimated value of a contract in Rand, calculated at the time of bid invitation, and includes all applicable taxes;
- "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
- "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:

$$80/20 \quad \text{or} \quad 90/10$$

$$Ps = 80(1 - (Pt - Pmin) / (Pmin - P)) \text{ or } Ps = 90(1 - (Pt - Pmin) / (Pmin - P))$$

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:

80/20 or 90/10
Ps=80(1+(Pt-P max)/(P max) or Ps=90(1+(Pt-P max)/Pmax)

Where

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

4. POINTS AWARDED FOR SPECIFIC GOALS

4.1. In terms of Regulation 4(2); 5(2); 6(2) and 7(2) of the Preferential Procurement Regulations, preference points must be awarded for specific goals stated in the tender. For the purposes of this tender the tenderer will be allocated points based on the goals stated in table 1 below as may be supported by proof/ documentation stated in the conditions of this tender:

4.2. In cases where organs of state intend to use Regulation 3(2) of the Regulations, which states that, if it is unclear whether the 80/20 or 90/10 preference point system applies, an organ of state must, in the tender documents, stipulate in the case of—

- (a) an invitation for tender for income-generating contracts, that either the 80/20 or 90/10 preference point system will apply and that the highest acceptable tender will be used to determine the applicable preference point system; or
(b) any other invitation for tender, that either the 80/20 or 90/10 preference point system will apply and that the lowest acceptable tender will be used to determine the applicable preference point system,

then the organ of state must indicate the points allocated for specific goals for both the 90/10 and 80/20 preference point system.

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

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

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

The specific goals allocated points in terms of this tender	Number of Points allocated (90/10 system) (to be completed by the Organ of State)	Number of Points allocated (80/20 system) (to be completed by the Organ of State)	Number of points claimed (90/10 system) (To be completed by the tenderer)	Number of points claimed (80/20 system) (To be completed by the tenderer)
Ownership by Black People		12		
Ownership by People who are Women		4		
Promotion of enterprises located in a specific municipal area for work to be done or services to be rendered		4		

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:

T2.10 SITE INSPECTION MEETING CERTIFICATE

Project title:	DEPARTMENT OF HEALTH: DRIEFONTEIN CLINIC: UPGRADE OF SEWER TREATMENT PLANT		
Tender no:	ZNTL04204W	Project Code:	WIMS 066058
Site Inspection Date:		18 June 2025	

This is to certify that I, _____ (Name of authorised Representative)
 representing _____ (Name of Enterprise)
 visited the site on: _____ (Date)

I have made myself familiar with all local conditions likely to influence the work and the cost thereof. I further certify that I am satisfied with the description of the work and explanations given at the site inspection meeting and that I understand the work to be done, as specified and implied, in the execution of this contract.

I declare that the representative, named above, is my authorised representative and **not** a third party agent and that my representative's attending of this site meeting, shall be deemed conclusive proof that my Enterprise are fully aware of what was said and discussed at this meeting.

Name of Tenderer	Signature	Date

Name of DOPW Representative	Signature	Date

This form is only to be completed when applicable to the tender and if a Compulsory Briefing meeting has been called.



Departmental Stamp:

T2.11 BIDDER'S DISCLOSURE - SBD 4			
Project title:	DEPARTMENT OF HEALTH: DRIEFONTEIN CLINIC: UPGRADE OF SEWER TREATMENT PLANT		
Tender no:	ZNTL04204W	Project Code:	WIMS 066058

BIDDER'S DISCLOSURE

1. PURPOSE OF THE FORM

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

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

2. Bidder's declaration

- 2.1 Is the bidder, or any of its directors / trustees / shareholders / members / partners or any person having a controlling interest¹ in the enterprise, employed by the state? **YES/NO**

- 2.1.1 If so, furnish particulars of the names, individual identity numbers, and, if applicable, state employee numbers of sole proprietor/ directors / trustees / shareholders / members/ partners or any person having a controlling interest in the enterprise, in table below.

Full Name	Identity Number	Name of State institution

- 2.2 Do you, or any person connected with the bidder, have a relationship

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

with any person who is employed by the procuring institution? YES/NO

2.2.1 If so, furnish particulars:

.....

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

2.3.1 If so, furnish particulars:

.....

3 DECLARATION

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

- 3.1 I have read and I understand the contents of this disclosure;
- 3.2 I understand that the accompanying bid will be disqualified if this disclosure is found not to be true and complete in every respect;
- 3.3 The bidder has arrived at the accompanying bid independently from, and without consultation, communication, agreement or arrangement with any competitor. However, communication between partners in a joint venture or consortium² will not be construed as collusive bidding.
- 3.4 In addition, there have been no consultations, communications, agreements or arrangements with any competitor regarding the quality, quantity, specifications, prices, including methods, factors or formulas used to calculate prices, market allocation, the intention or decision to submit or not to submit the bid, bidding with the intention not to win the bid and conditions or delivery particulars of the products or services to which this bid invitation relates.
- 3.4 The terms of the accompanying bid have not been, and will not be, disclosed by the bidder, directly or indirectly, to any competitor, prior to the date and time of the official bid opening or of the awarding of the contract.
- 3.5 There have been no consultations, communications, agreements or arrangements made by the bidder with any official of the procuring

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

institution in relation to this procurement process prior to and during the bidding process except to provide clarification on the bid submitted where so required by the institution; and the bidder was not involved in the drafting of the specifications or terms of reference for this bid.

- 3.6 I am aware that, in addition and without prejudice to any other remedy provided to combat any restrictive practices related to bids and contracts, bids that are suspicious will be reported to the Competition Commission for investigation and possible imposition of administrative penalties in terms of section 59 of the Competition Act No 89 of 1998 and or may be reported to the National Prosecuting Authority (NPA) for criminal investigation and or may be restricted from conducting business with the public sector for a period not exceeding ten (10) years in terms of the Prevention and Combating of Corrupt Activities Act No 12 of 2004 or any other applicable legislation.

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

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

.....
Signature

.....
Date

.....
Position

.....
Name of bidder

T2.12 RECORD OF ADDENDA TO TENDER DOCUMENTS

Project title:	DEPARTMENT OF HEALTH: DRIEFONTEIN CLINIC: UPGRADE OF SEWER TREATMENT PLANT		
Tender no:	ZNTL04204W	Project Code:	WIMS 066058

The undersigned 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	No. of Pages
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			

Attach Additional Pages if more space is required

Tenderer to attach proof of receipt of above listed addenda

Signed		Date	
Name		Position	
Tenderer			

T2.13 PARTICULARS OF ELECTRICAL CONTRACTOR

Project title:	DEPARTMENT OF HEALTH: DRIEFONTEIN CLINIC: UPGRADE OF SEWER TREATMENT PLANT		
Tender no:	ZNTL04204W	Project Code:	WIMS 066058

Name of Electrical Contractor:

Address:

Telephone Number:

*(Area Code)(Number)***Fax Number:**

(Area Code)(Number)

Registration number at the Department of Labour:	
---	--

Name of authorised representative	Signature	Date

T2.14 SCHEDULE FOR IMPORTED MATERIALS AND EQUIPMENT

Project title:	DEPARTMENT OF HEALTH: DRIEFONTEIN CLINIC: UPGRADE OF SEWER TREATMENT PLANT		
Tender no:	ZNTL04204W	Project Code:	WIMS 066058

This schedule should be completed by the tenderer. (Attach additional page(s) if more space is required)

Item	Material / Equipment	Quotation (Excluding VAT)
1		R
2		R
3		R
4		R
5		R
6		R

The Contractor shall list imported items, materials and/or equipment which shall be excluded from the Contract Price Adjustment Provisions (if applicable) and shall be adjusted in terms of currency fluctuations only. Copies of the supplier's quotations for the items, materials or equipment (provided that such costs shall not be higher than the relevant contract rate as listed above) should be lodged with the Principal Agent / Engineer of the Department of Public Works within 60 (sixty) days from the date of acceptance of the tender. No adjustment of the local VAT amount, nor the contractor's profit, discount, mark-up, handling costs, etc. shall be allowed. (See P&G E16)

These net amounts will be adjusted as follows:

FORMULA:

The net amount to be added to or deducted from the contract sum:

$$A = V \left(\frac{Z}{Y} - 1 \right)$$

A = the amount (R) of adjustment

V = the net amount (supplier's quotation) (R) of the imported item

Y = exchange rate 14 days prior to closing date of tender submission

Z = exchange rate on the date of the Bill of Lading* of exporters invoice.

** A bill of lading (sometimes abbreviated as B/L or BoL) is a document issued by a carrier which details a shipment of merchandise and gives title of that shipment to a specified party. Bills of lading are one of three important documents used in international trade to help guarantee that exporters receive payment and importers receive merchandise. A straight bill of lading, which is referred to above, is used when payment has been made in advance of shipment and requires a carrier to deliver the merchandise to the appropriate party. It is therefore the date of the paid up invoice when the shipment leaves the exporter's location.*
[http://en.wikipedia.org/wiki/Bill_of_lading]

Name of authorised representative	Signature	Date

T2.14 SCHEDULE FOR IMPORTED MATERIALS AND EQUIPMENT

Project title:	DEPARTMENT OF HEALTH: DRIEFONTEIN CLINIC: UPGRADE OF SEWER TREATMENT PLANT		
Tender no:	ZNTL04204W	Project Code:	WIMS 066058

This schedule should be completed by the tenderer. (Attach additional page(s) if more space is required)

Item	Material / Equipment	Quotation (Excluding VAT)
1		R
2		R
3		R
4		R
5		R
6		R

The Contractor shall list imported items, materials and/or equipment which shall be excluded from the Contract Price Adjustment Provisions (if applicable) and shall be adjusted in terms of currency fluctuations only. Copies of the supplier's quotations for the items, materials or equipment (provided that such costs shall not be higher than the relevant contract rate as listed above) should be lodged with the Principal Agent / Engineer of the Department of Public Works within 60 (sixty) days from the date of acceptance of the tender. No adjustment of the local VAT amount, nor the contractor's profit, discount, mark-up, handling costs, etc. shall be allowed. (See P&G E16)

These net amounts will be adjusted as follows:

FORMULA:

The net amount to be added to or deducted from the contract sum:

$$A = V \left(\frac{Z}{Y} - 1 \right)$$

A = the amount (R) of adjustment

V = the net amount (supplier's quotation) (R) of the imported item

Y = exchange rate 14 days prior to closing date of tender submission

Z = exchange rate on the date of the Bill of Lading* of exporters invoice.

** A bill of lading (sometimes abbreviated as B/L or BoL) is a document issued by a carrier which details a shipment of merchandise and gives title of that shipment to a specified party. Bills of lading are one of three important documents used in international trade to help guarantee that exporters receive payment and importers receive merchandise. A straight bill of lading, which is referred to above, is used when payment has been made in advance of shipment and requires a carrier to deliver the merchandise to the appropriate party. It is therefore the date of the paid up invoice when the shipment leaves the exporter's location.
[http://en.wikipedia.org/wiki/Bill_of_lading]*

Name of authorised representative	Signature	Date

T2.15a LATEST 12 MONTH ANNUAL FINANCIAL STATEMENT

Project title:	DEPARTMENT OF HEALTH: DRIEFONTEIN CLINIC: UPGRADE OF SEWER TREATMENT PLANT		
Tender no:	ZNTL04204W	Project Code:	WIMS 066058

ATTACH A CERTIFIED COPY OF THE ANNUAL FINANCIAL STATEMENT OF THE COMPANY FOR THE PAST FINANCIAL YEAR TO THIS PAGE FOR ADJUDICATION PURPOSES

NOTE

In the case of a Tender by a Joint Venture, certified copies of the annual financial statements of the past financial year in respect of each party to the Joint Venture must be attached to this page

ATTACH COMPANY LATEST 12 MONTHS ANNUAL FINANCIAL STATEMENTS TO THIS PAGE

T2.16 EQUIPMENT SCHEDULES

Project title:	DEPARTMENT OF HEALTH: DRIEFONTEIN CLINIC: UPGRADE OF SEWER TREATMENT PLANT		
Tender no:	ZNTL04204W	Project Code:	WIMS 066058

The Tenderer shall complete the following schedules giving details of the various items of materials or equipment that he includes in his offer.

TECHNICAL DATA: STANDBY GENERATOR

Manufacturer:	
Model number:	
Serial number:	
Voltage	
KVA	
Frequency	
RPM	
Cylinder/stroke	
Fuel capacity and consumption	
Sound pressure level	
Condenser air flow rate	
Attenuation type	
Battery Type	
AMF Change Over Panel Type	
Starter Motor Type and Voltage	
Standard Compliance	

Project Code: WIMS 066058

EQUIPMENT SCHEDULES

TECHNICAL DATA: UNINTERRUPTABLE POWER SUPPLY UPS

Manufacturer	
Model	
Frequency	
Harmonic Distortion Reduction	
Operating Temperature	
Range of Protection – Lightning Strike	
KVA	
Maximum current, cooling mode	
Agent	
Telephone number of Agent	
Brochure enclosed	Yes/No

TECHNICAL DATA: PARCEL X-RAY UNITS

Manufacturer	
Model	
Dimension /Size	
Resolution	
Zoom ranges	
External Radiation Levels	
Standard Compliance	
Electrical nominal voltage	Volts
Monitor Type and size	
Agent	
Telephone no of Agent	
Brochure enclosed	Yes/No

Project Code: WIMS 066058

EQUIPMENT SCHEDULES

TECHNICAL DATA: WALK THROUGH DETECTOR

Manufacturer	
Model	
Timer mode	
No of sequential settings per time switch	
No of N/O and N/C contacts per setting	
Adjustable time lapse between settings	
Operating voltage	
Operating current	
Agent	
Telephone number	
Brochure enclosed	Yes/No

TECHNICAL DATA: TURNSTILE

Manufacturer	
Size	
Range	
Voltage	
Battery Back Up Time	
Finish	
Agent	
Telephone number	
Brochure enclosed	Yes/No

Project Code: WIMS 066058

EQUIPMENT SCHEDULES

TECHNICAL DATA: PARAPLEGIC LIFT

Manufacturer	
Panel thickness	
Load	
Stops	
Car Size	
Door Opening	
Door Type	
Speed	
Type of Drive	
Speed Control	
Type of Car and Landing Buttons	
Type of Landing Door Frames	
Type of Door	
Internal Finishes	
Pit	
Head Room	
Battery Type	
Method of joining panels	
Floor construction	
Standard Compliance	
Agent	
Telephone number of Agent	
Brochure enclosed	Yes/No

Project Code: WIMS 066058

EQUIPMENT SCHEDULES

TECHNICAL DATA: AIR-CONDITIONING AND VENTILATION INSTALLATION

Area:		
Manufacturer:		
Model number:	WCPU	
	Cooling Tower	
Serial number:	WCPU	
	Cooling Tower	
Voltage		V
Starting amps		A
Running amps		A
System supply gauge pressure		kPA
System return gauge pressure		kPA
Condenser water inlet temperature		°C
Condenser water outlet temperature		°C
Condenser water flow rate		l/s
Blower unit air inlet temperature		°C
Blower unit air outlet temperature		°C
Blower unit air flow rate		m³/s
Conditioned room air temperature after 1 hour, Design		°C
Conditioned room air temperature after 1 hour, Actual		°C

T2.17 CONTRACTOR'S SAFETY, HEALTH AND ENVIRONMENTAL DECLARATION

Project title:	DEPARTMENT OF HEALTH: DRIEFONTEIN CLINIC: UPGRADE OF SEWER TREATMENT PLANT		
Tender no:	ZNTL04204W	Project Code:	WIMS 066058

In terms of Regulation 5(1)(h) of the Construction Regulations of February 2014 a Contractor may only be appointed to perform construction work if the Client is satisfied that the Contractor has the necessary competencies and resources to carry out the work safely in accordance with the Occupational Health and Safety Act, Act 85 of 1993 and the Construction Regulations of February 2014. In line with this requirement the Contractor is required to read through this document carefully, sign it and submit it with his/her Tender.

DECLARATION

1. I, the undersigned hereby declare and confirm that I am fully conversant with the Occupational Health and Safety Act, Act 85 of 1993 and the Construction Regulations of February 2014 and the Construction Safety, Health and Environmental Specifications attached to this document.
2. I hereby declare that my company and its employees has the necessary competency and resources to safely carry out the construction works under this contract in compliance with the Occupational Health and Safety Act, Act 85 of 1993, the Construction Regulations of February 2014 and the Construction Safety, Health and Environmental Specifications.
3. I hereby confirm that adequate provisions has been made in my Tender to cover the cost of all Safety, Health and Environmental duties and responsibilities imposed on me by the Occupational Health and Safety Act, Act 85 of 1993, the Construction Regulations of February 2014 and the Construction Safety, Health and Environmental Specifications.
4. I hereby undertake that if my Tender is accepted, to provide before commencement of the Works under the contract or as required by the Conditions of the Contract, a suitable and sufficiently documented Construction Safety, Health and Environmental Management Plan in accordance with Regulation 7(1)(a) of the Construction Regulations of February 2014, which shall be subject for approval by the Client.
5. I confirm that I may not commence with any part of construction work under the contract until my Construction Safety Health and Environmental Management Plan has been approved in writing by the Client.
6. I hereby confirm that copies of the following documentation will be kept on site for viewing and inspection purposes for the duration of the construction work:
 - a) Client's Construction Safety, Health and Environmental Specification.
 - b) Approved Construction Safety, Health and Environmental Plan.
 - c) Occupational Health and Safety Act, Act 85 of 1993.
 - d) Construction Regulations of February 2014.
7. I agree that my failure to complete and execute this declaration to the satisfaction of the Client will mean that I am unable to comply with the requirements of the Occupational Health and Safety Act, Act 85 of 1993 and the Construction Regulations of February 2014, and accept that my Tender will be rejected.

Duly signed at..... on this the..... day of..... 20.....

Full Name of Signatory

Name of Enterprise

Capacity of Signatory

Signature of authorised representative of Tenderer

T2.18 Compulsory Enterprise Questionnaire

Project title:	DEPARTMENT OF HEALTH: DRIEFONTEIN CLINIC: UPGRADE OF SEWER TREATMENT PLANT		
Tender no:	ZNTL04204W	Project Code:	WIMS 066058

The following particulars must be furnished. In the case of a joint venture, separate enterprise questionnaires in respect of each partner must be completed and submitted.

Section 1: Name of enterprise:

Section 2: VAT registration number, if any:

Section 3: CIDB registration number, if any:

Section 4: CSD Number:

Section 5: Particulars of sole proprietors and partners in partnerships

Name*	Identity number*	Personal income tax number*

* Complete only if sole proprietor or partnership and attach separate page if more than 6 partners

Section 6: Particulars of companies and close corporations

Company registration number	
Close corporation number	
Tax reference number	

Section 7: SBD4 issued by National Treasury must be completed for each tender and be attached as a tender requirement

The undersigned, who warrants that he/she is duly authorised to do so on behalf of the enterprise:

- i) authorizes the Employer to verify the tenderers tax clearance status from the South African Revenue Services that it is in order;
- ii) confirms that neither the name of the enterprise or the name of any partner, manager, director or other person, who wholly or partly exercises, or may exercise, control over the enterprise appears on the Register of Tender Defaulters established in terms of the Prevention and Combating of Corrupt Activities Act of 2004;
- iii) confirms that no partner, member, director or other person, who wholly or partly exercises, or may exercise, control over the enterprise appears, has within the last five years been convicted of fraud or corruption;
- iv) confirms that I / we are not associated, linked or involved with any other tendering entities submitting tender offers and have no other relationship with any of the tenderers or those responsible for compiling the scope of work that could cause or be interpreted as a conflict of interest; and
- iv) confirms that the contents of this questionnaire are within my personal knowledge and are to the best of my belief both true and correct.

Signed		Date	
Name			
Position			
Enterprise name			

**T2.19 TAX COMPLIANCE STATUS (TCS) PIN TO VERIFY ON LINE
COMPLIANCE SUPPLIER STATUS VIA SARS e-FILING**

Project title:	DEPARTMENT OF HEALTH: DRIEFONTEIN CLINIC: UPGRADE OF SEWER TREATMENT PLANT		
Tender no:	ZNTL04204W	Project Code:	WIMS 066058

TAX CLEARANCE REQUIREMENTS

It is a condition of Tender that the taxes of the successful tenderer must be in order, or that satisfactory arrangements have been made with South African Revenue Service (SARS) to meet the tenderer's tax obligations. It is a condition of this Offer of Commission that your practice remains in good standing with SARS (South African Revenue Services) in terms of its tax clearance.

1. In order to meet this requirement Tenderers are required to apply via e-filing at any SARS branch office nationally. The Tax Compliance Status (TCS) requirements are also applicable to foreign Tenderers / individuals who wish to submit tenders.
2. SARS will then furnish the tenderer with a Tax Compliance Status (TCS) **PIN** that will be valid for a period of 1 (one) year from the date of approval.
3. In tenders where Consortia / Joint Ventures / Sub-contractors are involved, each party must submit a separate Tax Compliance Status (TCS) PIN.
4. Application for Tax Compliance Status (TCS) PIN can be done via e-filing at any SARS branch office nationally or on the website www.sars.gov.za.
5. Tax Clearance Certificates may be printed via eFiling. In order to use this provision, taxpayers will need to register with SARS as eFilers through the website www.sars.gov.za.

IMPORTANT NOTICE

1. The South African Revenue Services (SARS) has phased out the issuing of paper Tax Clearance Certificates.
2. From 18 April 2016 SARS introduced an enhanced Tax Compliance (TCS) system.
3. The new system allows taxpayers to obtain a Tax Compliance Status (PIN), which can be utilised by authorised third parties to verify taxpayers compliance status online via SARS e-filing.
4. Tenderers are required to fill in clearly, legibly, in bold print and black ink the SARS (TCS) PIN number and Tax Reference number in the space hereunder:

Tax Compliance Status(TCS) PIN Number	
Company / Tendering Entity Tax Reference Number	

Name of Tenderer:

Signature of tenderer:

Date:

**T2.20 CERTIFIED PROOF OF GOOD STANDING WITH THE
COMPENSATION COMMISSIONER**

Project title:	DEPARTMENT OF HEALTH: DRIEFONTEIN CLINIC: UPGRADE OF SEWER TREATMENT PLANT		
Tender no:	ZNTL04204W	Project Code:	WIMS 066058

**ATTACH A CERTIFIED COPY OF PROOF, THAT THE
TENDERER IS IN GOOD STANDING WITH THE
COMPENSATION COMMISSIONER, TO THIS PAGE FOR
ADJUDICATION PURPOSES**

NOTE

In the case of a Tender by a Joint Venture, certified copies of proof of Good Standing with the Compensation Commissioner in respect of each party to the Joint Venture must be attached to this page

T2.21 - FORM OF OFFER AND ACCEPTANCE

Tender no: ZNTL04204W

OFFER

The Employer, identified in the Acceptance signature block, has solicited offers to enter into a contract for the procurement of :

DEPARTMENT OF HEALTH: DRIEFONTEIN CLINIC: UPGRADE OF SEWER TREATMENT PLANT

The Tenderer, identified in the Offer signature block, has examined the documents listed in the Tender Data and Addenda thereto as listed in the Returnable 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 this 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 PRICES INCLUSIVE OF VALUE ADDED TAX IS:

Amount (in words):	
Amount 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 and address of tenderer)		
Name and signature of witness			Date

ACCEPTANCE

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 Contractor 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	Agreement and Contract Data, (which includes this agreement)
Part C2	Pricing data
Part C3	Scope of work.
Part C4	Site information 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 as 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 after 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 contractor) within five (5) working days of the date of such receipt notifies the employer in writing of any reason why he/she cannot accept the contents of this agreement, this agreement shall constitute a binding contract between the parties.

Signature (s)			
Name (s)			
Capacity			
For the employer			
	<i>(Name and address of employer)</i>		
Name and signature of witness			

Schedule of Deviations

Notes:

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

1.1.1. Subject:
Details:

1.1.2. Subject:
Details:

1.1.3. Subject:
Details:

1.1.4. 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.

T2.21a CONFIRMATION OF RECEIPT

DEPARTMENT OF HEALTH: DRIEFONTEIN CLINIC: UPGRADE OF SEWER TREATMENT PLANT

Tender no.:	ZNTL04204W	Project Code:	WIMS 066058
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The Tenderer (now Contractor), identified in the Offer part of this Agreement hereby confirms receipt from the Employer, identified in the Acceptance part of this Agreement, of one fully completed original copy of this Agreement, including the Schedule of Deviations (if any) today:

the _____ (day)

of _____ (month)

_____ (year)

at _____ (Place)

For the Contractor:

Signature

Name

Capacity

Signature and name of witness:

Signature

Name

T2.22 - FINAL BILL OF QUANTITY SUMMARY

Project title:	DEPARTMENT OF HEALTH: DRIEFONTEIN CLINIC: UPGRADE OF SEWER TREATMENT PLANT		
Tender no:	ZNTL04204W	Project Code:	WIMS 066058

ATTACH SUMMARY PAGE OF THE BILL OF QUANTITIES

T2.23 - PROOF OF PAID MUNICIPAL RATES & TAXES

Project title:	DEPARTMENT OF HEALTH: DRIEFONTEIN CLINIC: UPGRADE OF SEWER TREATMENT PLANT		
Tender no:	ZNTL04204W	Project Code:	WIMS 066058

**ATTACH PROOF OF PAID MUNICIPAL RATES & TAXES TO
THIS PAGE FOR ADJUDICATION PURPOSES**

NOTE

In the case of a Quotation by a Joint Venture, proof of paid municipal rates and taxes for each member of the Joint Venture should be attached to this form.

T2.24 - CERTIFIED PROOF OF VALID UIF REGISTRATION

Project title:	DEPARTMENT OF HEALTH: DRIEFONTEIN CLINIC: UPGRADE OF SEWER TREATMENT PLANT		
Tender no:	ZNTL04204W	Project Code:	WIMS 066058

**ATTACH A CERTIFIED COPY OF PROOF, THAT THE
TENDERER IS IN GOOD STANDING WITH THE **UIF** TO THIS
PAGE FOR ADJUDICATION PURPOSES**

NOTE

In the case of a Tender by a Joint Venture, certified copies of proof of Good Standing with the **UIF** in respect of each party to the Joint Venture must be attached to this page

The contractor must submit proof of UIF Contributions made to the fund to the Principal Agent on a monthly basis for the duration of the contract.

Should the contractor default on his monthly payments, the Employer will pay the outstanding payments due and the contractor will be liable for payments made by the Employer on behalf of the contractor, plus any additional cost associated with this process.

T2.25 THE NATIONAL INDUSTRIAL PARTICIPATION PROGRAMME

This document must be signed and submitted together with your tender

INTRODUCTION

The National Industrial Participation (NIP) Programme, which is applicable to all government procurement contracts that have an imported content, became effective on the 1 September 1996. The NIP policy and guidelines were fully endorsed by Cabinet on 30 April 1997. In terms of the Cabinet decision, all state and parastatal purchases / lease contracts (for goods, works and services) entered into after this date, are subject to the NIP requirements. NIP is obligatory and therefore must be complied with. The Industrial Participation Secretariat (IPS) of the Department of Trade and Industry (DTI) is charged with the responsibility of administering the programme.

1 PILLARS OF THE PROGRAMME

- 1.1 The NIP obligation is benchmarked on the imported content of the contract. Any contract having an imported content equal to or exceeding US\$ 10 million or other currency equivalent to US\$ 10 million will have a NIP obligation. This threshold of US\$ 10 million can be reached as follows:
 - (a) Any single contract with imported content exceeding US\$10 million.
or
 - (b) Multiple contracts for the same goods, works or services each with imported content exceeding US\$3 million awarded to one seller over a 2 year period which in total exceeds US\$10 million.
or
 - (c) A contract with a renewable option clause, where should the option be exercised the total value of the imported content will exceed US\$10 million.
or
 - (d) Multiple suppliers of the same goods, works or services under the same contract, where the value of the imported content of each allocation is equal to or exceeds US\$ 3 million worth of goods, works or services to the same government institution, which in total over a two (2) year period exceeds US\$10 million.
- 1.2 The NIP obligation applicable to suppliers in respect of sub-paragraphs 1.1 (a) to 1.1 (c) above will amount to 30 % of the imported content whilst suppliers in respect of paragraph 1.1 (d) shall incur 30% of the total NIP obligation on a pro-rata basis.
- 1.3 To satisfy the NIP obligation, the DTI would negotiate and conclude agreements such as investments, joint ventures, sub-contracting, licensee production, export promotion, sourcing arrangements and research and development (R&D) with partners or suppliers.
- 1.4 A period of seven years has been identified as the time frame within which to discharge the obligation.

2 REQUIREMENTS OF THE DEPARTMENT OF TRADE AND INDUSTRY

- 2.1 In order to ensure effective implementation of the programme, successful tenderers (contractors) are required to, immediately after the award of a contract that is in excess of R10 million (ten million Rands), submit details of such a contract to the DTI for reporting purposes.
- 2.2 The purpose for reporting details of contracts in excess of the amount of R10 million (ten million Rands) is to cater for multiple contracts for the same goods, works or services; renewable contracts and multiple suppliers for the same goods, works or services under the same contract as provided for in paragraphs 1.1.(b) to 1.1. (d) above.

3 Tender SUBMISSION AND CONTRACT REPORTING REQUIREMENTS OF TenderDERS AND SUCCESSFUL TenderDERS (CONTRACTORS)

- 3.1 Tenderders are required to sign and submit this Standard Tendering Document (SBD 5) together with the Tender on the closing date and time.

3.2 In order to accommodate multiple contracts for the same goods, works or services; renewable contracts and multiple suppliers for the same goods, works or services under the same contract as indicated in sub-paragraphs 1.1 (b) to 1.1 (d) above and to enable the DTI in determining the NIP obligation, successful Tenderders (contractors) are required, immediately after being officially notified about any successful Tender with a value in excess of R10 million (ten million Rands), to contact and furnish the DTI with the following information:

- Tender / contract number.
- Description of the goods, works or services.
- Date on which the contract was accepted.
- Name, address and contact details of the government institution.
- Value of the contract.
- Imported content of the contract, if possible.

3.3 The information required in paragraph 3.2 above must be sent to the Department of Trade and Industry, Private Bag X 84, Pretoria, 0001 for the attention of Mr. Elias Malapane within five (5) working days after award of the contract. Mr. Malapane may be contacted on telephone (012) 394 1401, facsimile (012) 394 2401 or e-mail at Elias@thedti.gov.za for further details about the programme.

4 PROCESS TO SATISFY THE NIP OBLIGATION

4.1 Once the successful Tenderder (contractor) has made contact with and furnished the DTI with the information required, the following steps will be followed:

- a. the contractor and the DTI will determine the NIP obligation;
- b. the contractor and the DTI will sign the NIP obligation agreement;
- c. the contractor will submit a performance guarantee to the DTI;
- d. the contractor will submit a business concept for consideration and approval by the DTI;
- e. upon approval of the business concept by the DTI, the contractor will submit detailed business plans outlining the business concepts;
- f. the contractor will implement the business plans; and
- g. the contractor will submit bi-annual progress reports on approved plans to the DTI.

4.2 The NIP obligation agreement is between the DTI and the successful Tenderder (contractor) and, therefore, does not involve the purchasing institution.

Tender number:		Closing date:	
Name of tenderer:			
Postal address:			
Signature:		Name (in print):	
Date:			

**T2.26 - CERTIFIED PROOF OF REGISTRATION ON CENTRAL SUPPLIERS
DATABASE**

Project title:	DEPARTMENT OF HEALTH: DRIEFONTEIN CLINIC: UPGRADE OF SEWER TREATMENT PLANT		
Bid no:	ZNTL04204W	Project Code:	WIMS 066058

**ATTACH A CERTIFIED COPY OF PROOF, THAT THE BIDDER
IS REGISTERED ON THE CENTRAL SUPPLIERS DATABASE
TO THIS PAGE FOR ADJUDICATION PURPOSES**

NOTE

In the case of a Tender by a Joint Venture, certified copies of proof of registration on the Central Suppliers Data Base in respect of each party to the Joint Venture must be attached to this page

T2.27 - CERTIFIED PROOF OF CIDB REGISTRATION NUMBER

Project title:	DEPARTMENT OF HEALTH: DRIEFONTEIN CLINIC: UPGRADE OF SEWER TREATMENT PLANT		
Tender no:	ZNTL04204W	Project Code:	WIMS 066058

ATTACH A CERTIFIED COPY OF PROOF, THAT THE TENDERER IS REGISTERED WITH THE CONSTRUCTION INDUSTRY DEVELOPMENT BOARD (CIDB) TO THIS PAGE FOR ADJUDICATION PURPOSES

NOTE

In the case of a Tender by a Joint Venture, certified copies of proof of registration with the CIDB in respect of each party to the Joint Venture must be attached to this page

Only those tenderers who are registered with the CIDB, or are capable of being so prior to the evaluation of submissions, in a contractor grading designation equal to 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 for a :

5CE or higher, class of construction work, are eligible to have their Tenders evaluated.

T2.28 - PROOF OF PAYMENT OF TENDER DEPOSIT

Project title:	DEPARTMENT OF HEALTH: DRIEFONTEIN CLINIC: UPGRADE OF SEWER TREATMENT PLANT		
Tender no.	ZNTL04204W	Project Code:	WIMS 066058

ATTACH A COPY OF PROOF OF PAYMENT WHERE AVAILABLE OF THE TENDER DEPOSIT BY THE TENDERER, TO THIS PAGE FOR ADJUDICATION PURPOSES

NOTE

In the case of a Tender by a Joint Venture a certified copy of proof of payment where available of the tender deposit is only necessary in respect of any one party to the Joint Venture and must be attached to this page

T2.29 CONTRACT FORM - PURCHASE OF GOODS/WORKS-Part 1

THIS FORM MUST BE FILLED IN DUPLICATE BY BOTH THE SUCCESSFUL TENDERER (PART 1) AND THE PURCHASER (PART 2). BOTH FORMS MUST BE SIGNED IN THE ORIGINAL SO THAT THE SUCCESSFUL TENDERER AND THE PURCHASER WOULD BE IN POSSESSION OF ORIGINALLY SIGNED CONTRACTS FOR THEIR RESPECTIVE RECORDS.

PART 1 (TO BE FILLED IN BY THE TENDERER)

1. I hereby undertake to supply all or any of the goods and/or works described in the attached tendering documents to Head: Public Works (Department of Public Works: Province of KwaZulu-Natal) in accordance with the requirements and specifications stipulated in tender number ZNTL04204W at the price/s quoted.
2. The following documents shall be deemed to form and be read and construed as part of this agreement:
 - (i) Tendering documents, viz
 - Invitation to tender;
 - Tax Compliance Status (TCS) **PIN**;
 - Pricing schedule(s);
 - Technical Specification(s);
 - Preference claims for SPECIFIC GOAL/S, for this tender in terms of the Preferential Procurement Regulations 2022;
 - Bidder's Disclosure;
 - Special Conditions of Contract;
 - (ii) General Conditions of Contract for construction works Edition 2 - GCC2010; and
 - (iii) Other (specify)
3. I confirm that I have satisfied myself as to the correctness and validity of my Tender; that the price(s) and rate(s) quoted cover all the goods and/or works specified in the Tendering documents; that the price(s) and rate(s) cover all my obligations and I accept that any mistakes regarding price(s) and rate(s) and calculations will be at my own risk.
4. I accept full responsibility for the proper execution and fulfilment of all obligations and conditions devolving on me under this agreement as the principal liable for the due fulfilment of this contract.
5. I declare that I have no participation in any collusive practices with any Tenderer or any other person regarding this or any other Tender.

I confirm that I am duly authorised to sign this contract.

NAME (PRINT): _____

CAPACITY: _____

SIGNATURE: _____

NAME OF FIRM: _____

DATE: _____

<u>Witnesses:</u>	
1.	
2.	
Date: _____	

T2.30 CONTRACT FORM - PURCHASE OF GOODS/WORKS-Part 2

PART 2 (TO BE FILLED IN BY THE PURCHASER)

1. I _____ in my capacity as _____

accepts your tender under reference ZNTL04204W dated _____ for the supply of goods/works indicated hereunder and/or further specified in the annexure(s).

2. An official order indicating delivery instructions is forthcoming.

3. I undertake to make payment for the goods/works delivered in accordance with the terms and conditions of the contract, within 30 (thirty) days after receipt of an invoice accompanied by the delivery note.

ITEM NO.	PRICE (ALL APPLICABLE TAXES INCLUDED)	BRAND	DELIVERY PERIOD	B-BBEE STATUS LEVEL OF CONTRIBUTION	MINIMUM THRESHOLD FOR LOCAL PRODUCTION AND CONTENT (if applicable)

4. I confirm that I am duly authorised to sign this contract.

SIGNED AT _____ ON _____
[Place][Date]

NAME (PRINT): _____

SIGNATURE: _____

OFFICIAL STAMP:

Witnesses:

1. _____

2. _____

Date: _____

T2.31 - OHSE PLAN STRUCTURE

Project title:	DEPARTMENT OF HEALTH: DRIEFONTEIN CLINIC: UPGRADE OF SEWER TREATMENT PLANT		
Tender no:	ZNTL04204W	Project Code:	WIMS 066058

A detailed OHSE Plan is to be submitted by the successful tenderer as per Construction Regulation 7(1)(a). The minimum standard legal documentation, as outlined on Annexure 5 of this Bid document, must form part of the OHSE Plan based on the risks attached in executing this project titled.

T2.32 - OHSE CLIENT SPECIFIC REQUIREMENTS

Project title:	DEPARTMENT OF HEALTH: DRIEFONTEIN CLINIC: UPGRADE OF SEWER TREATMENT PLANT
Tender no:	ZNTL04204W
Project Code:	WIMS 066058

The Tenderer is to refer to Client Specific Requirements outlined on Annexure 5 of this Bid document

T2.33 - BASELINE RISK ASSESSMENT			
Project title:	DEPARTMENT OF HEALTH: DRIEFONTEIN CLINIC: UPGRADE OF SEWER TREATMENT PLANT		
Tender no:	ZNTL04204W	Project Code:	WIMS 066058

The Tenderer is to refer to the Baseline Risk Assessment in Annexure 5 of this Bid document for the development of Risk Assessments that are to be submitted with the SHE Plan.

T2.34 - Functionality Criteria

TENDER EVALUATION CRITERIA AND SCORING

The weighting for Functionality out of 100 sub-points is as follows:

Evaluation Criteria		Deliverables	Points	Sub-Points	Sub- Criteria	Point Allocation	
1.	Financial Standing	The submission of all financial requirements stipulated in the tender	30	10	Confirmation of available working capital/bridging finance of at least 10% of project value / letter from bank/ bank statement confirming available cash resources	10	Documentation to be: 1) Original, 2) Valid for 60 days from closing date of tender, 3) Include a bank stamp, 4) Must not be older than 1 calendar month of the date of tender closing. 5) Depending on the type of document submitted, these criteria must be adhered to, in order to achieve 10 points
				10	Letters of credit reference from suppliers and credit limits to be stipulated with supporting documents. Each letter must not be older than 01 calendar month of the date of tender closing. (minimum value of R100 000.00 to maximum value of R400 000.00 or more combined)	2.5	Credit reference letter / letters to the value of R100,000.00
						5	Credit reference letter / letters to the value of R200,000.00
						7.5	Credit reference letter / letters to the value of R300,000.00
						10	Credit reference letter / letters to the value of R400,000.00 or more
				10	Annual/Audited Financial Statement/Management Account/income and Expenditure Statements	10	Financial statements to be submitted and tenderers are to fill in the table T2.38, which provides a summary of their income, expenditure and profit and loss over the last 3 years
2.	Competency, Experience and Resource Capacity	Tenderer to demonstrate their technical competency, human resource capacity and relevant project experience	25	5	Detailed schedule of resources at all levels (see Organogram T2.40)	5	Key personnel schedule to be filled in
				10	Schedule of experience on projects of 4CE or higher and duration (Past 10 years) – letters of award to be attached and practical completion certificate for all work completed in the preceding 10 years	10	2 points per project will be allocated. All conditions must be adhered to, i.e. Value, duration in the last 10 years and practical completion certificates. (Letter of appointment and practical completion certificates per project)
				5	Demonstrated ability to complete projects on time	5	1 point will be allocated for signed and stamped reference letter per project.
				5	Experience in projects that have operational challenges i.e. public interface	5	2.5 points for every report submitted that is also signed by the Principal Agent

3.	Tenderer's Project Management Structure and Organogram and Experience of Resources Proposed for the Project	A tenderer that submits a detailed project organogram that sets out the roles and responsibilities of each proposed team member, which is backed up By their curriculum vitae that demonstrate extensive experience, together with a project implementation structure shall be allocated maximum sub-points. In all other instances zero (0) sub-points shall be allocated.	10	2	Submission of a detailed organogram	2	Submission of a detailed organogram
				2	All key project resources have more than (5) years' experience in the construction industry. All key project resources have experience in projects of 4 CE or above.	2	Experience and track record of Project Dedicated Contracts Director/Manager in the execution of the works of a similar nature, complexity, cost and duration (1 point). Demonstrate that all other resources have more than 5 years experience (1 point)
				2	Detailed CV. Traceable reference. Certificates of registered professionals in their full employment to be attached.	2	CV's should be related to the human resources that have been depicted on the organogram. 2 points will be allocated only in the event that there are registered professionals in your employ
				2	Detailed CV of each team member (Category) and Traceable references to be detailed	2	CV's should be related to the human resources that have been depicted on the organogram.
				2	All key project resources are dedicated full time for the duration of the project including proof of UIF contributions	2	The percentage allocation of time on this project, of each key resource must be indicated on the organogram
4.	Tenderers ability to provide a Letter of Intent for the provision of a guarantee	Original letter of intent from a registered institution's letterhead.	5	5	Letter from a registered financial institution confirming intention to issue a provision of a guarantee. (Letter must not be older than 01 calender month of the tender closing)		
5.	Methodology and Approach	Detailed method statement and programme to be submitted.	30	3	Site establishment indicating proposed layout for all prescribed facilities, hoarding, etc.		
				3	Resourcing strategy for the various work breakdown structures including resource deployment plan		
				1	Material storage, handling and distribution		
				3	Productivity, programming, resource investment, progress tracking, corrective action plans, etc.		
				3	Programme and progress reporting, including tracking of long lead procurement items		
				5	OHS Management, compliance and reporting		
				1	Site documentation control, filing and archiving		
				1	Queries and information required approach		
				10	Procurement of outsourced resources e.g. local sub-contractors		

NOTE:

1. Tenderers who do not meet the minimum 60 evaluation points will be non-responsive.
2. Tenderers who meet the minimum 60 evaluation points will move onto the final stage of evaluation i.e. 80/20 principle.

TENDER EVALUATION CRITERIA AND SCORING PRICE AND SPECIFIC GOALS			
Evaluation Criteria	Deliverables / Goals	Points	
Price	The lowest responsive and responsible priced offer shall be allocated 80 points. All other responsive and responsible offers shall be allocated a prorated point value based on the lowest responsive and responsible priced offer.	80	Points
Specific Goal 1	Ownership by Black People Documentary Proof Required: 1) EME or QSE Sworn Affidavit; signed and dated by Commissioner of Oaths	12	Points
Specific Goal 2	Ownership by People who are Women Documentary Proof Required: 1) Certified copy of Identity Document/s 2) A Central Supplier Database (CSD) Full Report OR 3) EME or QSE Sworn Affidavit; signed and dated by Commissioner of Oaths	4	Points
Specific Goal 3	Promotion of enterprises located in UThukela District Municipal Area for work to be done or services to be rendered Documentary Proof Required: 1) Proof of Municipal Account depicting Physical Address of the business, which is less than 3 months old OR 2) Signed and Valid Lease Agreement	4	Points

PART A INVITATION TO TENDER - SBD 1									
YOU ARE HEREBY INVITED TO TENDER FOR REQUIREMENTS OF THE KWA-ZULU NATAL DEPARTMENT OF WORKS									
TENDER NUMBER:	ZNTL04204W	CLOSING DATE:	08 July 2025				CLOSING TIME:	11:00	
DESCRIPTION									
THE SUCCESSFUL TENDERER WILL BE REQUIRED TO FILL IN AND SIGN A WRITTEN CONTRACT									
TENDER RESPONSE DOCUMENTS MAY BE DEPOSITED IN THE TENDER BOX SITUATED AT <i>(STREET ADDRESS)</i>									
SUPPLIER INFORMATION									
NAME OF TENDERER									
POSTAL ADDRESS									
STREET ADDRESS									
TELEPHONE NUMBER	CODE					NUMBER			
CELLPHONE NUMBER									
FACSIMILE NUMBER	CODE					NUMBER			
E-MAIL ADDRESS									
VAT REGISTRATION NUMBER									
	TCS PIN:				CSD No:				
B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE (Tick YES or NO)	Yes				B-BBEE STATUS LEVEL SWORN AFFIDAVIT (Tick YES or NO)	Yes			
	No					No			
If YES, State the name of the verification agency accredited by SANAS									
ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS /SERVICES /WORKS OFFERED?	Yes		NO		ARE YOU A FOREIGN BASED SUPPLIER FOR THE GOODS	YES		NO	
	[IF YES ENCLOSE PROOF]					(IF YES ANSWER PART B:3 BELOW)			
SIGNATURE OF TENDERER					DATE				
CAPACITY UNDER WHICH THIS TENDER IS SIGNED (Attach proof of authority to sign this tender; e.g. resolution of directors. etc.)									
TOTAL NUMBER OF ITEMS OFFERED					TOTAL TENDER PRICE (ALL INCLUSIVE)				
TENDERING PROCEDURE ENQUIRIES MAY BE DIRECTED TO:					TECHNICAL INFORMATION MAY BE DIRECTED TO:				
DEPARTMENT/ PUBLIC ENTITY	KZN Department of Public Works				CONTACT PERSON	Mr. Kovilan Govender			
CONTACT PERSON	Ms. Nthabiseng Tantsi				TELEPHONE NUMBER	031 - 3095831			
TELEPHONE NUMBER	036-638-8008				FACSIMILE NUMBER	031 - 3092929			
FACSIMILE NUMBER	036-638 8099				E-MAIL ADDRESS	kovilan@mapafrica.co.za			
E-MAIL ADDRESS	Nthabiseng.Tantsi@kznworks.gov.za								

PART B				
TERMS AND CONDITIONS FOR TENDERING - SBD 1				
1. TENDER SUBMISSION:				
1.1. TENDERS MUST BE DELIVERED BY THE STIPULATED TIME TO THE CORRECT ADDRESS. LATE TENDERS WILL NOT BE ACCEPTED FOR CONSIDERATION.				
1.2. ALL TENDERS MUST BE SUBMITTED ON THE OFFICIAL FORMS PROVIDED (NOT TO BE RE-TYPED) OR ONLINE				
1.3. TENDERERS MUST REGISTER ON THE CENTRAL SUPPLIER DATABASE (CSD) TO UPLOAD MANDATORY INFORMATION NAMELY: (BUSINESS REGISTRATION/ DIRECTORSHIP/ MEMBERSHIP/IDENTITY NUMBERS; TAX COMPLIANCE STATUS; AND BANKING INFORMATION FOR VERIFICATION PURPOSES). B-BBEE CERTIFICATE OR SWORN AFFIDAVIT FOR B-BBEE MUST BE SUBMITTED TO TENDERING INSTITUTION.				
1.4. WHERE A TENDERER IS NOT REGISTERED ON THE CSD, MANDATORY INFORMATION NAMELY: (BUSINESS REGISTRATION/ DIRECTORSHIP/ MEMBERSHIP/IDENTITY NUMBERS; TAX COMPLIANCE STATUS MAY NOT BE SUBMITTED WITH THE TENDER DOCUMENTATION. B-BBEE CERTIFICATE OR SWORN AFFIDAVIT FOR B-BBEE MUST BE SUBMITTED TO TENDERING INSTITUTION.				
1.5. THIS TENDER IS SUBJECT TO THE PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT 2000 AND THE PREFERENTIAL PROCUREMENT REGULATIONS, 2022, THE GENERAL CONDITIONS OF CONTRACT ARE THE CLAUSES CONTAINED IN THE GENERAL CONDITIONS OF CONTRACT (2010) (SECOND EDITION) PUBLISHED BY THE SOUTH AFRICAN INSTITUTION OF CIVIL ENGINEERING. COPIES OF THESE CONDITIONS OF CONTRACT MAY BE OBTAINED THROUGH MOST REGIONAL OFFICES OF THE SOUTH AFRICAN INSTITUTION OF CIVIL ENGINEERING, OR BY VISITING THEIR WEBSITE AT WWW.SAICE.ORG.ZA ; AND, IF APPLICABLE, ANY OTHER LEGISLATION OR SPECIAL CONDITIONS OF CONTRACT.				
2. TAX COMPLIANCE REQUIREMENTS				
2.1 TENDERERS MUST ENSURE COMPLIANCE WITH THEIR TAX OBLIGATIONS.				
2.2 TENDERERS ARE REQUIRED TO SUBMIT THEIR UNIQUE PERSONAL IDENTIFICATION NUMBER (PIN) ISSUED BY SARS TO ENABLE THE ORGAN OF STATE TO VIEW THE TAXPAYER'S PROFILE AND TAX STATUS.				
2.3 APPLICATION FOR TAX COMPLIANCE STATUS (TCS) OR PIN MAY ALSO BE MADE VIA E-FILING. IN ORDER TO USE THIS PROVISION, TAXPAYERS WILL NEED TO REGISTER WITH SARS AS E-FILERS THROUGH THE WEBSITE WWW.SARS.GOV.ZA.				
2.4 TENDERERS MAY ALSO SUBMIT A PRINTED TCS TOGETHER WITH THE TENDER.				
2.5 IN TENDERS WHERE CONSORTIA / JOINT VENTURES / SUB-CONTRACTORS ARE INVOLVED, EACH PARTY MUST SUBMIT A SEPARATE PROOF OF TCS / PIN / CSD NUMBER.				
2.6 WHERE NO TCS IS AVAILABLE BUT THE TENDERER 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.				
3. QUESTIONNAIRE TO TENDERING FOREIGN SUPPLIERS				
3.1. IS THE TENDERER A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)?	YES		NO	
3.2. DOES THE TENDERER HAVE A BRANCH IN THE RSA?	YES		NO	
3.3. DOES THE TENDERER HAVE A PERMANENT ESTABLISHMENT IN THE RSA?	YES		NO	
3.4. DOES THE TENDERER HAVE ANY SOURCE OF INCOME IN THE RSA?	YES		NO	
IF THE ANSWER IS "NO" TO ALL OF THE ABOVE, THEN, IT IS NOT A REQUIREMENT TO OBTAIN A TAX COMPLIANCE STATUS / TAX COMPLIANCE SYSTEM PIN CODE FROM THE SOUTH AFRICAN REVENUE SERVICE (SARS) AND IF NOT REGISTER AS PER 2.3 ABOVE.				
NB: FAILURE TO PROVIDE ANY OF THE ABOVE PARTICULARS MAY RENDER THE TENDER INVALID.				

T2.36 CONFIRMATION OF AVAILABLE BRIDGING FINANCE/WORKING CAPITAL/ CURRENT LETTER FROM BANK/BANK STATEMENT CONFIRMING AVAILABLE CASH RESOURCES

The Bidder to provide confirmation of bridging finance from a Registered Financial Institution and attach same as a returnable.

- The confirmation to indicate that a minimum of 10% of the tender value is currently available to the Tenderer to execute the defined scope of work included in the tender.
- To be provided on an Original Letterhead supplied by the Registered Financial Institution and must be valid for 60 days from the closing date of tenders.
- Must include the bank's official stamp and the date to be clearly annotated.
- Must not be older than one (1) calendar month from the date of tender closing.

T2.37 LETTERS OF CREDIT REFERENCE FROM SUPPLIERS

The Bidder to provide four (4) letters of reference verifying credit facilities for a minimum value of R 100,000.00 (One Hundred Thousand Rand) per letter, from suppliers for core materials that are intended to be engaged on this contract and attach same as a returnable.

The reference letters must include the value of the current credit facility and any conditions apportioned thereto.

Where the bulk of material supply is from a single source, then a minimum of two (2) letters of reference will be acceptable, which have a credit limit of at least R150,000.00 (One Hundred and Fifty Thousand Rand) per letter.

If purchases are done on a cash basis, the Tenderer must provide the stipulated number of references from the specific suppliers confirming that all purchases are done on a cash basis and accordingly confirm the limit of the purchasing facility available to the Tenderer.

The 4 key suppliers, if applicable must be listed hereunder:

NO.	NAME OF SUPPLIER	MATERIAL DESCRIPTION	CURRENT CREDIT LIMIT	CREDIT LIMIT VALID TO DATE
1				
2				
3				
4				

T2.38 AUDITED FINANCIAL STATEMENTS FOR THE LAST THREE (NO.3) FINANCIAL YEARS (IN THE CASE OF JOINT VENTURES, DOCUMENTATION FROM EACH JOINT VENTURE PARTNER, IS REQUIRED TO BE SUBMITTED)

Note: In the case of Joint Ventures or Consortiums, valid documentation must be submitted for each partner.

Bidders must provide a summary of income, expenditure and profit/loss for the past three (3) years.

YEAR	INCOME	EXPENDITURE	PROFIT/LOSS

T2.39 COMPETENCY, EXPERIENCE AND RESOURCE CAPACITY

Bidder to demonstrate their technical competency, human resource capacity and relevant project experience in Building/Civil Engineering projects by submitting the following information:

1. Detailed schedule of full time resources that will be deployed on this project, at all organization levels including their experience over the past 5 years.
2. Experience and track record of Project Dedicated Contracts Director/Manager in the execution of the works of a similar nature, complexity, cost and duration.
3. Tenderers/Company's experience on construction projects of similar value and duration.
4. Detailed CV of each key team member including the construction activities on site. The CV's must correspond with the organogram and the key resources schedule. CV's are required for the key personnel employed during the construction stage.
5. Traceable references (names and contact nos. of Principal Agents) for the key team members executing construction activities on site.
6. Fast track project experience of Tenderer. Demonstrate high value projects executed within short time frames in an operational environment.

KEY PERSONNEL

Designation	Name	Age	Years of experience on similar projects	Period with company	Highest value contract handled	Percentage involvement on site
Project Director						
Senior Contracts Manager (1)						
Senior Foreman (1)						
Senior Foreman (2)						
Quantity Surveyor						
Programmer						
Health and Safety Officer						
Empowerment Manager						
Other						

- A. Traceable references for each team member. The reference must be the appointed Principal Agent or Client:

NAME	COMPANY	CONTACT DETAILS	PROJECT REFERENCE

- B. Fast track project experience of a similar nature and value that demonstrates high turnover in a limited space of time. The reference must be the Principal Agent or Client:

PROJECT NAME	VALUE	DURATION	TURNOVER PER MONTH (R:C)	EXECUTED IN AN OPERATIONAL ENVIRONMENT (YES/NO)

SCHEDULE OF EXPERIENCE ON SIMILAR PROJECTS HAVING A SIMILAR VALUE AND DURATION

The Tenderer is to fill in the table below for a minimum of 5No. projects, as well as provide Practical Completion Certificates for each of the projects listed below: The certificates and letters.

PROJECT NAME	CLIENT	PROJECT DURATION	PROJECT VALUE	PROJECT STATUS - (COMPLETE OR IN-COMPLETE)

REPORT ON BIDDER'S COMPETENCY PRO-FORMA (REPORT NO.1)

Note: Minimum 5 No. reports to be submitted (last 5 completed projects). In the case of Joint Venture (JV) Submissions, each member of the JV is to complete this returnable individually. Report to be completed by the appointed Principal Agent only.

Employer / Client ▶

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Project ▶

Contract Amount (excluding VAT) ▶

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Contract Duration ▶

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Description / Performance		Very Poor	Poor	Fair	Good	Excellent
Quality of office administration	▶					
Construction competency of site management team	▶					
Competency of Contract Director	▶					
Co-operation of site management team during contract period	▶					
Retention of core site management team for the duration of the project						
Quality of workmanship	▶					
Health and Safety Management	▶					
Time/Programme management	▶					
Rectification of condemned work	▶					
Tidiness and organisation of site	▶					
Adequacy of equipment and labour	▶					
Contractual documentation / correspondence	▶					
Procurement management	▶					
Financial payment to selected sub-contracts	▶					
Cost control and co-operation with PQS	▶					
Understanding of the Contractual Framework	▶					
Ability to recover lost time / proactive approach	▶					

Did the contractor complete the contract timeously or by the contract extended completion date? If no, please give reasons.

Would you recommend the Bidder concerned for this project and provide any other remarks considered necessary to assist in evaluation of the contractor?

PRINCIPAL AGENT _____

TELEPHONE _____

FIRM _____

SIGNATURE _____

COMPANY STAMP

The reports submitted must be linked to projects of a similar nature, complexity and value, executed in a fast track construction environment. Failure to demonstrate this requirement may lead to the disqualification of the tender.

REPORT ON BIDDER'S COMPETENCY PRO-FORMA (REPORT NO.2)

Note: Minimum 5 No. reports to be submitted (last 5 completed projects). In the case of Joint Venture (JV) Submissions, each member of the JV is to complete this returnable individually. Report to be completed by the appointed Principal Agent only.

[illegible]

Project	

[illegible][illegible]

Description / Performance		Very Poor	Poor	Fair	Good	Excellent
Quality of office administration	▶					
Construction competency of site management team	▶					
Competency of Contract Director	▶					
Co-operation of site management team during contract period	▶					
Retention of core site management team for the duration of the project						
Quality of workmanship	▶					
Health and Safety Management	▶					
Time/Programme management	▶					
Rectification of condemned work	▶					
Tidiness and organisation of site	▶					
Adequacy of equipment and labour	▶					
Contractual documentation / correspondence	▶					
Procurement management	▶					
Financial payment to selected sub-contracts	▶					
Cost control and co-operation with PQS	▶					
Understanding of the Contractual Framework	▶					
Ability to recover lost time / proactive approach	▶					

Did the contractor complete the contract timeously or by the contract extended completion date? If no, please give reasons.

Would you recommend the Bidder concerned for this project and provide any other remarks considered necessary to assist in evaluation of the contractor?

PRINCIPAL AGENT _____

TELEPHONE _____

FIRM _____

SIGNATURE _____

COMPANY STAMP

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The reports submitted must be linked to projects of a similar nature, complexity and value, executed in a fast track construction environment. Failure to demonstrate this requirement may lead to the disqualification of the tender.

REPORT ON BIDDER'S COMPETENCY PRO-FORMA (REPORT NO.3)

Note: Minimum 5 No. reports to be submitted (last 5 completed projects). In the case of Joint Venture (JV) Submissions, each member of the JV is to complete this returnable individually. Report to be completed by the appointed Principal Agent only.

[illegible]

Project ▶

[illegible][illegible]

Description / Performance		Very Poor	Poor	Fair	Good	Excellent
Quality of office administration	▶					
Construction competency of site management team	▶					
Competency of Contract Director	▶					
Co-operation of site management team during contract period	▶					
Retention of core site management team for the duration of the project						
Quality of workmanship	▶					
Health and Safety Management	▶					
Time/Programme management	▶					
Rectification of condemned work	▶					
Tidiness and organisation of site	▶					
Adequacy of equipment and labour	▶					
Contractual documentation / correspondence	▶					
Procurement management	▶					
Financial payment to selected sub-contracts	▶					
Cost control and co-operation with PQS	▶					
Understanding of the Contractual Framework	▶					
Ability to recover lost time / proactive approach	▶					

Did the contractor complete the contract timeously or by the contract extended completion date? If no, please give reasons.

Would you recommend the Bidder concerned for this project and provide any other remarks considered necessary to assist in evaluation of the contractor?

PRINCIPAL AGENT _____

TELEPHONE _____

FIRM _____

SIGNATURE _____

COMPANY STAMP

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The reports submitted must be linked to projects of a similar nature, complexity and value, executed in a fast track construction environment. Failure to demonstrate this requirement may lead to the disqualification of the tender.

REPORT ON BIDDER'S COMPETENCY PRO-FORMA (REPORT NO.4)

Note: Minimum 5 No. reports to be submitted (last 5 completed projects). In the case of Joint Venture (JV) Submissions, each member of the JV is to complete this returnable individually. Report to be completed by the appointed Principal Agent only.

[illegible]

Project

[illegible]

Contract Duration

Description / Performance		Very Poor	Poor	Fair	Good	Excellent
Quality of office administration	▶					
Construction competency of site management team	▶					
Competency of Contract Director	▶					
Co-operation of site management team during contract period	▶					
Retention of core site management team for the duration of the project						
Quality of workmanship	▶					
Health and Safety Management	▶					
Time/Programme management	▶					
Rectification of condemned work	▶					
Tidiness and organisation of site	▶					
Adequacy of equipment and labour	▶					
Contractual documentation / correspondence	▶					
Procurement management	▶					
Financial payment to selected sub-contracts	▶					
Cost control and co-operation with PQS	▶					
Understanding of the Contractual Framework	▶					
Ability to recover lost time / proactive approach	▶					

Did the contractor complete the contract timeously or by the contract extended completion date? If no, please give reasons.

Would you recommend the Bidder concerned for this project and provide any other remarks considered necessary to assist in evaluation of the contractor?

PRINCIPAL AGENT _____

TELEPHONE _____

FIRM _____

SIGNATURE _____

COMPANY STAMP

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The reports submitted must be linked to projects of a similar nature, complexity and value, executed in a fast track construction environment. Failure to demonstrate this requirement may lead to the disqualification of the tender.

REPORT ON BIDDER'S COMPETENCY PRO-FORMA (REPORT NO.5)

Note: Minimum 5 No. reports to be submitted (last 5 completed projects). In the case of Joint Venture (JV) Submissions, each member of the JV is to complete this returnable individually. Report to be completed by the appointed Principal Agent only.

[illegible]

Project

[illegible]

Contract Duration

Description / Performance		Very Poor	Poor	Fair	Good	Excellent
Quality of office administration	▶					
Construction competency of site management team	▶					
Competency of Contract Director	▶					
Co-operation of site management team during contract period	▶					
Retention of core site management team for the duration of the project						
Quality of workmanship	▶					
Health and Safety Management	▶					
Time/Programme management	▶					
Rectification of condemned work	▶					
Tidiness and organisation of site	▶					
Adequacy of equipment and labour	▶					
Contractual documentation / correspondence	▶					
Procurement management	▶					
Financial payment to selected sub-contracts	▶					
Cost control and co-operation with PQS	▶					
Understanding of the Contractual Framework	▶					
Ability to recover lost time / proactive approach	▶					

Did the contractor complete the contract timeously or by the contract extended completion date? If no, please give reasons.

Would you recommend the Bidder concerned for this project and provide any other remarks considered necessary to assist in evaluation of the contractor?

PRINCIPAL AGENT _____

TELEPHONE _____

FIRM _____

SIGNATURE _____

COMPANY STAMP

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The reports submitted must be linked to projects of a similar nature, complexity and value, executed in a fast track construction environment. Failure to demonstrate this requirement may lead to the disqualification of the tender.

T2.40 PROPOSED MANAGEMENT STRUCTURE AND PROJECT ORGANOGRAM

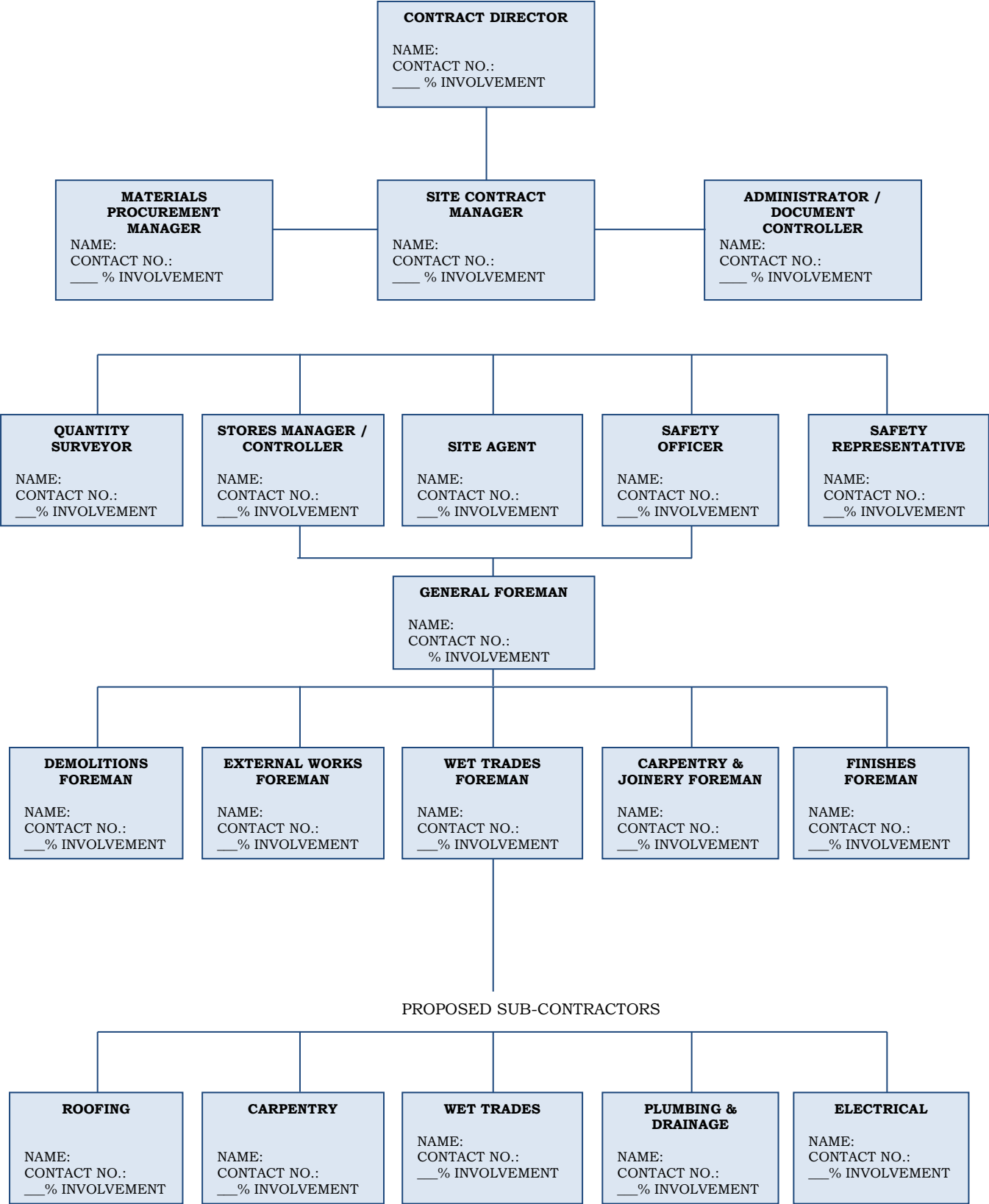
A proposed project organogram indicating the resource allocation hierarchy must be attached under this section for all stages of the construction project. The minimum resource requirements as specified in key personnel must be clearly indicated (refer attached template as an example only).

- The Bidder is to clearly demonstrate the anticipated participation of the delegated resources for the duration of this project.
- A dedicated and suitably qualified resource is to be allocated to update the approved construction programme. Programme updates to be submitted fortnightly to the Principal Agent.
- The deployment of competent and experienced resources at all levels is essential.
- However, the key personnel competency requirements for the personnel deployed for the construction phase will be essential to score points in the resource category.

NOTE: GENERIC ORGANOGRAMS WILL NOT BE ALLOWED AND WILL NOT BE CONSIDERED FOR SCORING. ORGANOGRAMS TO BE PROJECT SPECIFIC AND INCLUDE THE SPECIFIC DETAILS OF THE KEY RESOURCES DEPLOYED FOR THE CONSTRUCTION STAGES.

PROJECT NAME: DEPARTMENT OF HEALTH: DRIEFONTEIN CLINIC: UPGRADE OF SEWER TREATMENT PLANT

EXAMPLE



T2.41 LETTER OF INTENT TO PROVIDE SECURITY PRO-FORMA

PROJECT REFERENCE

DEPARTMENT OF PUBLIC WORKS PROVINCE OF KWAZULU NATAL:
WIMS 066058: DEPARTMENT OF HEALTH: DRIEFONTEIN CLINIC:
UPGRADE OF SEWER TREATMENT PLANT

Dear Sir/Madam,

If applicable, it is hereby agreed that in the event of the Tenderer's offers being accepted, a Deed of Surety or Bond and in a form acceptable to the Bank and always limited to the amount offered, will be provided by the Bank named hereunder, on or before signing of the Contract.

This letter of intent is valid for **60 (Sixty) days** until _____ **(DATE)** ("Expiry") and after expiry will become null and void unless the Bank agrees in writing to extend the period of validity of this letter, prior to such date of expiry. This letter of intent must not be older than three (3) months from date of tender closing.

NAME OF TENDERER

SIGNATURE OF TENDERER

VALUE OF SURETY OR BOND

NAME OF BANK

ADDRESS OF BANK

SIGNATURES OF BANK REPRESENTATIVES:
(For and on behalf of Bank)

(NAME)

(NAME)

(DESIGNATION)

(DESIGNATION)

OFFICIAL STAMP OF THE REGISTERED FINANCIAL INSTITUTION

FSP REGISTRATION NO.

T2.42 PROJECT METHODOLOGY AND APPROACH PAPER

A proposed project methodology and approach paper indicating how the project shall be implemented must be attached under this section for all stages of the construction project.

The Tenderer to respond in writing to the key points indicated below and the response must be project specific. Detailed response in terms and approach, documentation, reporting etc. is essential. No generic document will be acceptable.

1. Site establishment layout indicating proposed layout for all toilet, offices, storage, wash areas, hoarding etc.
2. Progress reporting structures and recording of daily construction activities in a diary format.
3. Reporting on material procurement processes, storage, handling, hoisting, distribution and management.
4. Productivity management on site, programming of works, resource investment, corrective action plans etc.
5. OHS management, compliance and reporting.
6. Quality control management and reporting/communicating project quality standards to all staff.
7. Site documentation control, filing and archiving for drawings, correspondence, site instructions and queries.
8. Approach to queries and information required.
9. Approach to procurement of outsourced resources/sub-contractors.
10. Demonstration of adequate plant and equipment deployment for the project
11. Anticipated construction programme indicating all activities, durations, tasks and resources to be submitted taking into account the contract period of the project, as stipulated.

PROVINCIAL ADMINISTRATION OF KWAZULU-NATAL DEPARTMENT OF PUBLIC WORKS



KWAZULU-NATAL PROVINCE

PUBLIC WORKS
REPUBLIC OF SOUTH AFRICA

BILLS OF QUANTITIES

with GCC for Construction Works - Second Edition 2010

CONTRACTUAL SECTION

ONE VOLUME APPROACH

DEPARTMENT OF HEALTH: DRIEFONTEIN CLINIC: UPGRADE OF SEWER TREATMENT PLANT

Project Manager

Ms. Nthabiseng Tantsi
40 Shepstone Road
LADYSMITH
3370

036-638-8008 - Tel Number
036-638 8099 - Fax Number
Nthabiseng.Tantsi@kznworks.gov.za

Employer:

Head: Public Works
KZN Department of Public Works
Private Bag X 9041
PIETERMARITZBURG
3200
Tel Number: 033-897-1300
Fax Number: 033-897-1399

Civil Engineer

MAP AFRICA Consulting Engineers
P.O. Box 65610
Reservoir Hills
4090

031 - 3095831 - Tel Number
031 - 3092929 - Fax Number
kovilan@mapafrica.co.za

Region:

Regional Manager
KZN Department of Public Works
X9963
Ladysmith
3370
Tel Number: 036-638-8008
Fax Number: 036-638 8099

Tender Number: ZNTL04204W
CIDB Grading: 5CE or HIGHER
ECDP Number: N/A

Project Code: WIMS 066058
Document Date: 08 July 2025

Contracting Party: _____
CIDB Registration number: _____
Central Suppliers Database Registration Number: _____



KWAZULU-NATAL PROVINCE
PUBLIC WORKS
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF HEALTH: DRIEFONTEIN CLINIC: UPGRADE OF SEWER TREATMENT PLANT

THE CONTRACT



KWAZULU-NATAL PROVINCE
PUBLIC WORKS
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF HEALTH: DRIEFONTEIN CLINIC: UPGRADE OF SEWER TREATMENT PLANT

C1 - AGREEMENT AND CONTRACT DATA



KWAZULU-NATAL PROVINCE
PUBLIC WORKS
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF HEALTH: DRIEFONTEIN CLINIC: UPGRADE OF SEWER TREATMENT PLANT

FORM OF OFFER AND ACCEPTANCE

FORM OF OFFER AND ACCEPTANCE

Tender No - ZNTL04204W



KWAZULU-NATAL PROVINCE
PUBLIC WORKS
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF HEALTH: DRIEFONTEIN CLINIC: UPGRADE OF SEWER TREATMENT PLANT

C.1.1 - FORM OF OFFER AND ACCEPTANCE

THE OFFER AND ACCEPTANCE FORM IS BOUND INTO **SECTION 1** (See end of Returnable Documents) OF THIS DOCUMENT AS PART OF THE RETURNABLE DOCUMENTS. ONCE A CONTRACT IS CONCLUDED WITH A SUCCESSFUL TENDERER, THIS PAGE WILL BE REPLACED WITH THE FILLED AND SIGNED OFFER AND SIGN ACCEPTANCE BY THE EMPLOYER AND IT WILL BECOME PART OF THE CONTRACT.

PLEASE SUBMIT THE OFFER AND ACCEPTANCE FORM WITH THE OTHER RETURNABLE DOCUMENTS.



KWAZULU-NATAL PROVINCE
PUBLIC WORKS
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF HEALTH: DRIEFONTEIN CLINIC: UPGRADE OF SEWER TREATMENT PLANT

C1.2 - CONTRACT DATA

C 1.2 CONTRACT DATA: with GCC for Construction Works - Second Edition 2010		
CONTRACT DATA FOR:		
DEPARTMENT OF HEALTH: DRIEFONTEIN CLINIC: UPGRADE OF SEWER TREATMENT PLANT		
Tender no: ZNTL04204W		
	The General Conditions of Contract are the clauses contained in the General Conditions of Contract (2010) (Second Edition) published by the South African Institution of Civil Engineering. Copies of these conditions of contract may be obtained through most regional offices of the South African Institution of Civil Engineering, telephone number 011 805 5947 or by visiting their website at www.saice.org.za.	
	CONTRACT SPECIFIC DATA The following contract specific data are applicable to this contract:	
	CONTRACT VARIABLES This schedule contains all variables specific to this document and is divided into pre-tender 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 this agreement . Spaces requiring information must be filled in, shown as 'not applicable' or deleted <u>but not left blank</u> . Where choices are offered, the non-applicable items are to be deleted. Where insufficient space is provided the information should be annexed hereto and cross referenced to the applicable clause of the schedule. Key cross reference clauses are italicised in/[] brackets. The Engineer/Principal Agent, in accordance with Clause 1.1.1.16, shall obtain the specific approval from the Employer before executing any of his functions according to the "Conditions under which Consultants are appointed", or in the event where an employee of the Employer represents the Employer, the relevant General Delegations applicable at the time of executing his/her duties as described in Clause 3.1.2.	
Part 1: CONTRACT DATA PROVIDED BY THE EMPLOYER:		
PRE-TENDER INFORMATION		
CONTRACTING AND OTHER PARTIES		
[1.1.1.15]	Employer: Head: Public Works (KZN Department of Public Works: Province of KwaZulu-Natal) Postal address: Private Bag X 9041 PIETERMARITZBURG 3200 Tel: 033-897-1399 Fax: 033-897-1300	
[1.2.1.2]	Physical address: 191 Prince Alfred Street PIETERMARITZBURG 3200	
[1.1.1.16]	Employers Agent 3 MAP AFRICA Consulting Engineers Agent's service: Civil Engineer Postal address: P.O. Box 65610 Reservoir Hills 4090 Tel: 031 - 3095831 Fax: 031 - 3092929	
[1.1.1.16]	Employers Agent 4 IJIKA Services (Pty) Ltd Agent's service: Electrical Engineer Postal address: Abrey Eco Park, 5 Abrey Road Kloof 3 640 Tel: 074 700 4595 Fax: -	
Tender no: ZNTL04204W		
PART 1: DATA PROVIDED BY THE EMPLOYER		
[1.1.1.13]	Defects Liability Period The defects liability period is: A time measured from the date of the Certificate of Completion. Defects Liability Period is 12 Months for the whole of the Works	
Latent Defect Period		
[5.16.3]	The latent defect period is: 5 years after the Final Approval Certificate	
Documentation required before Commencement of the Works:		
[5.3.1]	The documentation required before commencement with the Works execution are;	
[4.3]	Health and Safety Plan	The Contractor shall deliver his Health and Safety Plan of the Works within 14 calendar days after notice from the Employer, prior to the Commencement Date.
[5.6]	Initial Programme	The Contractor shall deliver his programme of work within 10 calendar days after notice from the Employer, prior to the Commencement Date.
[6.2]	Guarantee	The Contractor shall deliver his chosen Guarantee (security) for this Works within 14 calendar days after notice from the Employer, prior to the Commencement Date.
[8.6]	Insurance	The Contractor shall deliver his insurance for the Works within 14 calendar days after notice from the Employer, prior to the Commencement Date.
	Cash flow by contractor	The Contractor shall deliver his Cash flow for the Works within 14 calendar days after notice from the Employer, prior to the Commencement Date.
	Priced Bill of Quantity	The Contractor shall deliver his Priced Bill of Quantity within 14 calendar days after notice from the Employer, prior to the Commencement Date.
	Programme	The Contractor is required to submit his Programme of Works in terms of Clause 5.6.1 and 5.3.1 and the Principal Agent is required to approve this within 7 days in terms of Clause 5.6.3
	Other requirements	

[5.3.2]	The time to submit the documentation required before commencement with Works execution is:	14	calendar days
	Non-Working days		
[5.8.1]	Non-Working days Special non- working days	Sundays All Nationally Recognized Public Holidays and the year end break	
[5.8.1]	First Year end break - commences ends on Second Year end break - commences ends on Third Year end break - commences ends on Fourth Year end break - commences ends on	16/12/2024 13/01/2025 16/12/2025 12/01/2026 16/12/2026 11/01/2027 16/12/2027 10/01/2028	
	Engineer/Principal Agent to consult with Employer		
[3.1.3]	The Engineer shall obtain the specific approval from the Employer before executing any of his functions according to the "Conditions under which Consultants are appointed", or in the event where an employee of the Employer represents the Employer, the relevant General Delegations applicable at the time of executing his/her duties.		
	Security		
[6.2.1]	The time to deliver the deed of guarantee is Prior to site hand over in terms of clause 5.3.1 and 5.3.2.		
[6.2.1]	Please see CONTRACT DATA - below to select Guarantee Option		
	Commencement Date		
	Commencement date means the date of Site Hand over that should not occur prior to the tenderer receiving one fully signed copy of the Offer and Acceptance in terms of the Form of Offer and Acceptance.		
	<p>The 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)</p> <p>The agreement ("this document") consists of;</p> <ol style="list-style-type: none"> 1. Agreement and Conditions of Contract. 2. Form of Offer and Acceptance. 3. Contract Data. 4. Scope of Works. 5. Site Information. 6. Drawings & documents referred to in the 1 to 4 above. <p>(See Form of Offer and Acceptance)</p>		
[5.3.1]	The contractor shall commence executing the Works within 7 calendar days from the Commencement Date		
[5.4.1]	Possession of the site will be given within 10 calendar days after the contractor has fulfilled the conditions (4.3, 5.6, 6.2, 8.6) and received the notification from the Employer of Site Hand Over where the contractor will receive one <u>fully signed</u> copy of the Form of Offer and Acceptance from the employer .		
[5.6.1]	The Contractor shall deliver his programme of work within 10 calendar days after notice from the Employer, prior to the Commencement Date.		
	CONTRACT DETAILS		
[1.1.1.33]	Works description: Refer to document C3 – Scope of Work.		
[1.1.1.30]	Site description: Refer to document C4 – Site Information.		
	Specific options that are applicable to a State organ only Where so :		
[6.10.6.2]	<p>1) Interest rate legislation: (a) in respect of interest owed by the employer, the interest rate as determined by the Minister of Justice and Constitutional Development from time to time, in terms of section 1(2) of the Prescribed Rate of Interest Act, 1975 (Act No. 55 of 1975), will apply; and (b) in respect of interest owed to the employer, the interest rate as determined by the Minister of Finance, from time to time, in terms of section 80(1)(b) of the Public Finance Management Act, 1999 (Act No. 1 of 1999), will apply</p> <p>2) Lateral support insurance to be effected by the contractor:</p> <p>3) Payment will be made for materials and goods</p> <p>4) Dispute resolution by litigation</p> <p>5) Extended defects liability period applicable to the following elements:</p>		
		Yes	No X
		Yes X	No
		Yes	No X
		Electrical, Mechanical and Civil work	
[8.6.1.1.2]	The Value of material, supplied by the Employer, and not included in the Contract Price, is:	R0.00	
[8.6.1.1.3]	The amount to cover Professional Fees, not included in the Contract Price, for repairing damage and loss to be included in the insurance 30% of the Contract Price		
[8.6.1.3]	The limit for indemnity for liable insurance is	Unlimited	
[6.5.1.2.3]	The percentage allowance to cover overhead charges for contractor and subcontractors, is:	33.30%	
[1.1.1.14]	Practical Completion Date		
	The Practical Completion date is: 9 calendar months from commencement date		
	For the works as a whole: The whole of the works shall be completed within:	9 Months (which shall be deemed to include all Non – Working Days, Special Non – Working Days and the year-end Builders Annual Industry Holiday Periods).	
[5.5.1] [5.13.1]	The date for practical completion shall be The penalty per calendar day shall be :	To be determined	0.04% of the Contract Price, rounded to the nearest R10

	<p>For the works in sections:</p> <p>The date for practical completion from the commencement date and the penalty per calendar day:</p>
[5.5.1]	Portion 1:
[5.13.1]	N/A
	0.04% of the Contract Price, rounded to the nearest R10
[5.5.1]	Portion 2:
[5.13.1]	N/A
	0.04% of the Contract Price, rounded to the nearest R10
[5.5.1]	Portion 3:
[5.13.1]	N/A
	0.04% of the Contract Price, rounded to the nearest R10
[5.5.1]	Portion 4:
[5.13.1]	N/A
	0.04% of the Contract Price, rounded to the nearest R10
[5.5.1]	Portion 5:
[5.13.1]	N/A
	0.04% of the Contract Price, rounded to the nearest R10
[5.5.1]	Portion 6:
[5.13.1]	N/A
	0.04% of the Contract Price, rounded to the nearest R10
[1.3.2]	The law applicable to this agreement shall be that of the: Republic of South Africa
[6.10.1.5]	The percentage advance on materials not yet built into the Permanent Works is: 80.00%
[6.10.3]	<p>Percentage retention on amounts due to contractor is: The Percentage retention is nil. The only security required by the Employer will be such as selected by the Contractor on the Form of Offer and Acceptance and Part 2: CONTRACT DATA PROVIDED BY THE CONTRACTOR, point 2 - Documents, of the Contract Data.</p> <p>Maximum retention is: 0.00% of the Contract Price</p>
[6.8.1]	Notwithstanding anything to the contrary contained in the General conditions of Contract and Preliminaries, this contract could only, when the <u>construction period exceeds 6 months</u> and the contract exceeds R1,000,000.00, be subject to a Contract Price Adjustment Factor.
[6.8.2]	Clause 6.8.2 the last part of the sentence saying "calculated according to the formula and the conditions set out in the Contract Price Adjustment Schedule." must be replaced by
[6.8.3]	"calculated according to the Contract Price Adjustment Provisions (CPAP) Indices Application Manual for use with P0151 indices (Revised 1 January 2013)" as published by Statistics South Africa. The Contract Price Adjustment Provision (CPAP) will be subject to the most recently released indices by Statistic South Africa. Tenderers are advised that with reference to Clause 3.4.6 of the Contract Price Adjustment Provisions (CPAP) Indices Applications Manual, the Head: Public Works will not accept the submission by Tenderers of lists of additional items."
[6.8.2]	Where this contract is a Lump Sum contract, the contract will only be subject to Contract Price Adjustment Provisions (CPAP)(Revised 1 January 2013) where the contract period equals or exceeds 6 calendar months. The applicable work group shall be WG 180 for domestic buildings or WG 181 for commercial and industrial buildings only.
[5.14.5]	<p>The following clause must be added to clause 5.14.5:</p> <p>[5.14.5.6] The employers agent shall submit the final account within 3 calendar months to the principal agent.</p>
[10.5]	The determinations of disputes shall be by ARBITRATION ONLY.
[10.5.3]	The number of Adjudication Board Members to be appointed is: One
[10.9.1]	Replace the last part of the clause with the following: "...on the application of either party, by the Chairman, or his nominee of the Association of Arbitrators."
	<p>Where CPAP is applicable, the contract sum will be adjusted in accordance with the Contract Price Adjustment Provisions (CPAP) as set out in the CPAP Indices Application Manual as published by Statistics South Africa, dated 1 January 2013 and any amendments thereto:</p> <ol style="list-style-type: none"> 1) Glass etc. measured in specialist section Metalwork, will be adjusted in terms of the index for that work group unless specifically stated otherwise in the bills of quantities. 2) In case of uninterruptible power supplies, elevators, escalators and hoists, generating sets, motor-alternator sets and intercommunication systems shall be adjusted in accordance with Work Group 170. 3) Further to clause 3.4.6 of the CPAP Indices Application Manual, the listing of additional items for exclusion by Tenderer's, will not be permitted. <p>Alternative Indices: Not Applicable</p> <p>Details of changes made to the General Conditions of Contract for construction works (2010) Second Edition</p>
[1.1]	<p>Clause</p> <p>[1.1.1.5] COMMENCEMENT DATE – means the actual date of Site Hand over that should not occur prior to the Tenderer receiving one fully signed copy of the Offer and Acceptance in terms of the Form of Offer and Acceptance.</p> <p>[5.12.2.2] ABNORMAL CLIMATIC CONDITIONS - means conditions over and above what could reasonably be expected for the specific locality where the Works are being executed and include inter alia excessive rain, heat, cold, wind and any other climatic condition that would not normally be experienced during the season that the Works are executed in that area. The South African Weather Service's (http://www.weathersa.co.za) 10 year average climatic conditions statistics would be what could be reasonably expected for the specific locality where the Works are executed.</p> <p>[6.2.1] CONSTRUCTION GUARANTEE – means an on demand 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 Offer and Acceptance Form and the contract data.</p> <p>CONSTRUCTION PERIOD – means the period commencing on the commencement date and ending on the date of due completion date. This period will be deemed to commence on actual site hand over date to the contractor and end on the date of practical completion and shall include all annual industrial holiday periods, Sundays and public holidays.</p> <p>CORRUPT PRACTICE – means the offer, giving, receiving, or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution.</p> <p>FINAL ACCOUNT - The document prepared by the principal agent, which reflects the contract value of the works at final approval or termination.</p> <p>FRAUDULENT PRACTICE – means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of any tenderer and includes collusive practise among tenderers (prior to or after the tender submission) designed to establish tender prices at artificial non-competitive levels and to deprive the tenderer of the benefits of free and open competition.</p>
	<p>INTEREST – the interest rates applicable on this contract, whether specifically indicated in the relevant clauses or not, will be in terms of the legislation of the Republic of South Africa, and in particular:</p> <ol style="list-style-type: none"> (a) in respect of interest owed by the employer, the interest rate as determined by the Minister of Justice and Constitutional Development from time to time, in terms of section 1(2) of the Prescribed Rate of Interest Act, 1975 (Act No. 55 of 1975), will apply; and (b) in respect of interest owed to the employer, the interest rate as determined by the Minister of Finance, from time to time, in terms of section 80(1)(b) of the Public Finance Management Act, 1999 (Act No. 1 of 1999), will apply

	<p>[1.1.1.16] ENGINEER/PRINCIPAL AGENT – means the person or entity appointed by the Employer and named in the Contract Data as the Engineer /Principal Agent to act as agent of the Employer. In the event of an Engineer/Principal Agent not being appointed, then all the duties and obligations of an Engineer/Principal Agent as detailed in the Contract shall be fulfilled by a representative of the Employer as named in the Contract Data. (Hereafter referred to as Engineer)</p> <p>[1.1.1.21] GENERAL ITEMS - or preliminaries means items stipulated in the Pricing Data relating to general obligations, site services, facilities and/or items that cover elements of the cost of the work which are not considered as proportional to the quantities of the Permanent Works.</p>
	<p>[4.4.1] Add the following to the clause 4.4.1: "The Contract shall only use subcontractors who are duly registered with the CIDB and who has an ACTIVE status at the time of submitting the tender"</p> <p>[6.2.1] Refer to Offer and Acceptance form for the various options that the contractor may choose from in providing a form of Guarantee under "GUARATEE OPTIONS".</p> <p>[6.10.6.2] Replace "at the prime overdraft rate, as charged by the Contractor's Bank," with "...at the interest rate as determined by the Minister of Justice and Constitutional Development from time to time, in terms of section 1(2) of the Prescribed Rate of Interest Act, 1975 (Act No. 55 of 1975)."</p> <p>Omit "on all overdue payments from the date on which the same should have been paid..." and replace with "only after 30 calendar days from receiving written notice from the Contractor that the amount is overdue..."</p>
<p>[5.12.3]</p> <p>[5.14.5.1]</p> <p>[5.16.4]</p> <p>[6.2.2]</p> <p>[6.2.3]</p> <p>[9.3.2.2]</p>	<p>SPECIAL CONDITIONS OF CONTRACT</p> <p>Omit clause 5.12.3 and add the following:</p> <p>"5.12.3. If an extension of time is granted, the Contractor shall be paid such additional time-related General Items, including for special non-working days, if applicable as are appropriate regarding to any other compensation which may already have been granted in respect of the circumstances concerned. The reasons for extension of time that would invoke payment of time related General Items are inter alia;</p> <p>5.12.3.1 Failure to give possession of the site to the contractor.</p> <p>5.12.3.2 Making good physical loss and repairing damage to the works where the contractor is not at risk.</p> <p>5.12.3.3 Contract instructions not occasioned by default by the contractor.</p> <p>5.12.3.4 Failure to issue construction information timeously or the late issue of a contract instruction following a request from the contractor.</p> <p>5.12.3.5 Late acceptance by the principal agent of a design undertaken by a selected subcontractor where the contractor's obligations have been met.</p> <p>5.12.3.6 Suspension or cancellation termination invoked by a nominated or selected n/s subcontractor due to default by the employer or the principal agent.</p> <p>5.12.3.7 Insolvency of a nominated subcontractor.</p> <p>5.12.3.8 A direct contractor.</p> <p>5.12.3.9 Opening up and testing of work and materials and goods where such work is according to in accordance with the contract documents.</p> <p>5.12.3.10 The execution of additional work for which the quantity included in the bills of quantities is not sufficiently accurate.</p> <p>5.12.3.11 Late or failure to supply materials and goods for which the employer is responsible.</p> <p>5.12.3.12 Suspension of the works."</p> <p>Omit entire clause 5.14.5.1</p> <p>Add the following new clause "5.16.4. Upon the issue of a Final Approval Certificate, unless otherwise provided in the Contract:</p> <p>5.16.4.1. The performance Guarantee (if any) shall be returned within 14 days to the guarantor in terms of Clause 7."</p> <p>Replace the following "...it shall be deemed that the Contractor has selected a security of ten percent retention of the value of the Works." with "...it shall be deemed that the Contractor has selected a security of a bank or insurance guarantee of 5% of the value of the Works and a payment reduction of 5% of the value certified in the payment certificate excluding value added tax."</p> <p>Add to clause 6.2.3 the following "The Contractor shall provide proof of paid-up premium payments to accompany his payment certificate as proof that his performance guarantee has not expired yet. The Contractor will not receive payment without proof of the validity of their performance guarantee.</p> <p>Omit "without prejudice to the exercise of any lien the Contractor may have acquired over the Employer's property."</p> <p>Duties and functions of the Engineer requiring the specific approval of the Employer BEFORE execution of any part of these duties are as follows:</p> <p>(a) Determinations of contractors claims for extension of time (revision of the contract completion date). All claims for extension of time shall be submitted by the Engineer, together with the Engineer's recommendations, to the Employer for determination. Omit "Engineer" in clause 42.2 and replace with "Employer".</p> <p>(b) Drawings, instructions or communications of any kind requiring variations of the works and involving EXTRA's shall NOT be given effect by the Contractor UNTIL BOTH the "Official Variation Order" and the "Financial Request for Variation Order and Additional Funds" form, as issued by the Department of Public Works, have been approved and signed by the Employer.</p> <p>(c) Insurance policies to be approved by the Employer within 21 days of the date of the Commencement of the Works.</p> <p>(d) Any notice of disagreement raised by the Contractor or written Dispute Notice given by the Contractor to the Engineer shall be submitted by the Engineer, together with the Engineer's recommendations, to the Employer for determination.</p> <p>(e) The issue of the certificate of practical completion, certificate of completion and the final approval certificate shall be signed and submitted by the Engineer, to the Employer for final approval and signature. The certificates shall not be considered as officially issued until signed by the Employer.</p> <p>MANAGING PROJECT DURATION</p> <p>(a) The Contractor shall co-ordinate his programme with all other contractors whose work may precede or be executed simultaneously to his own. The Contractor will be called upon to plan and control the project using the Project Evaluation and Review Technique (PERT) or other approved Critical Path Method (CPM) network analysis of his events and activities and those of the sub-contractors in his employ and must co-ordinate his planning with any other contractor employed on the project. A fortnightly project control report will be expected from the Contractor in writing, evaluating any gains or delays against the critical path and he should allow for all costs involved in planning reviewing and updating the programme to the satisfaction of the Principal Agent against this item.</p> <p>(b) Activity and total float shall belong to the Employer.</p> <p>(c) The Contractor shall deliver his programme of work within 10 calendar days after notice from the Employer, prior to the Commencement Date.</p> <p>It is a condition of this contract that, the contractor submit to the Engineer/principal agent a detailed CPM Programme which shall be to the approval of the Engineer/principal agent. In this regard tenderers are advised to consult with the Engineer/Principal Agent as to the format and requirements of the programme as no claim whatsoever will entertained should the programme fail to meet the requirements of the Engineer/Principal Agent. Failure to submit the programme within the stipulated time may result in the contractor being held in breach of contract.</p> <p>The approved programme will form the basis of time management of the project and extension of time will not be guaranteed unless the Contractor has strictly complied with this provision.</p> <p>The programme shall make allowance for rain and the number of rain days allowed within the critical path shall be on the provisions of the clause dealing with inclement weather and claiming for delays in performance in this bill</p> <p>Allowance for the above must be made under this item as no claims for failing to comply with this precondition will later be entertained.</p> <p>INCLEMENT WEATHER AND CLAIMS FOR DELAYS IN PERFORMANCE</p> <p>(a) The Contract Sum includes a monthly allowance of 3 working days inclement weather during which rainfall exceeds 10mm per day for month as indicated in the Scope of Works. These days shall be reflected on the critical path of the Contractor's programme as specified in MANAGING PROJECT DURATION above.</p> <p>(b) Claims for delays in performance due to inclement weather shall be calculated separately for each calendar month and for the project as a whole. Delays or gains to the critical path shall be reflected in all revisions of the programme. An extension of time will only be granted where the following conditions are met:</p> <p>(i) The criteria to be used for WORK stoppages shall be for safety hazards or poor quality of work.</p> <p>(ii) The Employer's site representative or the Employer's Principal Agent, if the site representative is not available shall be notified when the Contractor stops the work and intends to claim performance delays. The Employer representative shall inspect the situation together with the Contractor and give an immediate decision.</p>



KWAZULU-NATAL PROVINCE
PUBLIC WORKS
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF HEALTH: DRIEFONTEIN CLINIC: UPGRADE OF SEWER TREATMENT PLANT

C1.3 - FORM OF GUARANTEE

C1.3 PERFORMANCE GUARANTEE - GCC FOR CONSTRUCTION WORKS (2nd Edition - 2010)

Head: Public Works
KZN Department of Public Works:
Private Bag X 9041
PIETERMARITZBURG
3200

Sir,

ON DEMAND PERFORMANCE GUARANTEE

Tender Number ZNTL04204W

Project Code WIMS 066058

For use with the General Conditions of Contract for Construction Works, Second Edition, 2010.

GUARANTOR DETAILS AND DEFINITIONS

"Guarantor" means: _____

Physical Address: _____

"Employer" means: The Provincial Administration of KwaZulu-Natal in its Department of Public Works

"Contractor" means: _____

"Engineer" means: _____

"Works" means:

**DEPARTMENT OF HEALTH: DRIEFONTEIN CLINIC: UPGRADE OF
SEWER TREATMENT PLANT**

"Site" means: _____

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

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

Amount in Words:

"Guaranteed Sum" means: The maximum aggregate amount of: 10% _____

Of Contract Sum

Amount in Words: _____

"Expiry Date" means: _____

CONTRACT DETAILS

Engineer Issues: Interim Payment Certificates, Final Payment Certificates and the Certificate Completion of the Works as defined in the Contract.

PERFORMANCE GUARANTEE

- 1 The Guarantor's liability shall be limited to the amount of the Guaranteed Sum.
- 2 The Guarantor's period of liability shall be from and including the date of issue of this Performance Guarantee and up to and including the Expiry Date or the date of issue by the Engineer of the Certificate of Completion of the Works or the date of payment in full of the Guaranteed Sum, whichever occurs first. The Engineer and/or the Employer shall advise the Guarantor in writing of the date on which the Certificate of Completion of the Works has been issued.
- 3 The Guarantor hereby acknowledges that:
 - 3.1 any reference in this Performance Guarantee to the Contract is made for the purpose of convenience and shall not be construed as any intention whatsoever to create an accessory obligation or any intention whatsoever to create a suretyship;
 - 3.2 its obligation under the Performance Guarantee is restricted to the payment of money.
- 4 Subject to the Guarantor's maximum liability referred to in 1, the Guarantor hereby undertakes to pay the Employer the sum certified upon receipt of the documents identified in 4.1 to 4.3:
 - 4.1 A copy of a first written demand issued by the Employer to the Contractor stating that payment of a sum certified by the Engineer in an Interim or Final Payment Certificate has not been made in terms of the Contract and failing such payment within seven (7) calendar days, the Employer intends to call upon the Guarantor to make payment in terms of 4.2;
 - 4.2 A first written demand issued by the Employer to the Guarantor at the Guarantor's physical address with a copy to the Contractor stating that a period of seven (7) days has elapsed since the first written demand in terms of 4.1 and the sum certified has still not been paid;
 - 4.3 A copy of the aforesaid payment certificate which entitles the Employer to receive payment in terms of the Contract of the sum Certified in 4.
- 5 Subject to the Guarantor's maximum liability referred to in 1, the Guarantor undertakes to pay to the Employer the Guaranteed Sum or the full outstanding balance upon receipt of a first written demand from the employer to the Guarantor at the Guarantor's physical address calling up this Performance Guarantee, such demand stating that:
 - 5.1 the Contract has been terminated due to the Contractor's default and that this Performance Guarantee is called up in terms of 5; or
 - 5.2 a provisional or final sequestration or liquidation court order has been granted against the Contractor and that the Performance Guarantee is called up in terms of 5; and
 - 5.3 the aforesaid written demand is accompanied by a copy of the notice of termination and/or the provisional/final sequestration and/or the provisional liquidation court order.
- 6 It is recorded that the aggregate amount of payments required to be made by the Guarantor in terms of 4 and 5 shall not exceed the Guarantor's maximum liability in terms of 1.
- 7 Where the Guarantor has made payments in terms of 5, the Employer shall upon the date of issue of the Final Payment Certificate submit an expense account to the Guarantor showing how all monies received in terms of this Payment Guarantee have been expended and shall refund to the Guarantor any resulting surplus. All monies refunded to the Guarantor in terms of this Performance Guarantee shall bear interest at the prime overdraft rate of the Employer's bank compounded monthly and calculated from the date payment was made by the Guarantor to the Employer until the date of refund.
- 8 Payment by the Guarantor in terms of 4 or 5 shall be made with seven (7) calendar days upon receipt of the first written demand to the Guarantor.
- 9 Payment by the Guarantor in terms of 5 will only be made against the return of the original Performance Guarantee by the Employer.

- 10 The Employer shall have the absolute right to arrange his affairs with the Contractor in any manner which the Employer may deem fit and the Guarantor shall not have the right to claim his release from this Performance Guarantee on account of any conduct alleged to be prejudicial to the Guarantor.
- 11 The Guarantor chooses the physical address as stated above for the service of all notices for all purposes in connection herewith.
- 12 This Performance Guarantee is neither negotiable nor transferable and shall expire in terms of 2, where after no claims will be considered by the Guarantor. The original of this Guarantee shall be returned to the Guarantor after it has expired.
- 13 This Performance Guarantee, with the required demand notices in terms of 4 or 5, shall be regarded as a liquid document for the purposes of obtaining a court order.
- 14 Where this Performance Guarantee is issued in the Republic of South Africa the Guarantor hereby consents in terms of Section 45 of the Magistrate's Court Act No 32 of 1944, as amended, to this jurisdiction of the Magistrate's Court of any district having jurisdiction in terms of Section 28 of the said Act, notwithstanding that the amount of the claim may exceed the jurisdiction of the Magistrate's Court.

Signed at

Date

Guarantor's signatory (1)

Capacity

Guarantor's signatory (2)

Capacity

Witness signatory (1)

Witness signatory (2)



DEPARTMENT OF HEALTH: DRIEFONTEIN CLINIC: UPGRADE OF SEWER TREATMENT PLANT

PART C2 - PRICING DATA

C2.1 PRICING INSTRUCTIONS

GCC FOR CONSTRUCTION WORKS (Second Edition 2010)

Project title:	DEPARTMENT OF HEALTH: DRIEFONTEIN CLINIC: UPGRADE OF SEWER TREATMENT PLANT		
Tender no:	ZNTL04204W	Project Code:	WIMS 066058

C2.1 Pricing Instructions

	<p>Where any item is not relevant to this specific contract, such item is marked N/A (signifying "not applicable")</p> <p>The adjustment of the preliminaries each item priced is to be allocated to one or more of the three categories by insertion of "F", "V", "T" as the case may be against the price in the "rate" column immediately preceding the "amount" column, where "F" denotes a fixed amount (amount not varied), "V" denotes an amount variable in proportion to value and "T" denotes an amount variable in proportion to time.</p>
1	<p>MASSES AND MEASURING UNITS</p> <p>These shall be in accordance with the Measuring Units and National Measuring Standards Act No. 76 of 1973 and amendments thereto.</p> <p>The pages of each of these documents are numbered consecutively and before the Tenderer submits his tender he should check the number of pages, and if any are found missing or duplicated, or the figures or writing indistinct, or the documents contain any obvious error, he should apply to the Head : Public Works AT ONCE and have same rectified as no liability whatsoever will be admitted by the Administration in respect of errors in Tender due to the foregoing.</p>
2	<p>PRICES FOR VARIATIONS</p> <p>Where prices or quotations for variations are submitted by the Contractor during the currency of the Contract, it is to be clearly understood that these are for the purpose of consideration by the Head : Public Works and that there is no assumption of acceptance. The Contractor will be notified of acceptance of prices or quotations either by insertion of the amount on the variation order or by written intimation.</p>
3	<p>SCALE</p> <p>The scale to which the Drawings are made is only to be made use of when no figured dimensions are given either on the Drawings or in the tender documents and the figured dimensions are always to be followed though they may not coincide with the scale of the Drawings, but dimensions where possible are to be taken from the buildings.</p>
4	<p>PROVISIONAL ITEMS</p> <p>All items described as "Provisional" shall be used as directed by the Employer and measured and valued or paid for.</p> <p>No work for which "Provisional" items are allowed shall be commenced without written instructions from the Head : Public Works.</p>

5	<p>TIMELY ORDERING OF MATERIALS</p> <p>The Contractor is warned to place all orders for materials or special articles as early as possible, as he will be held solely responsible for any delay in the delivery of such goods.</p> <p>Nevertheless this tender is conditional upon no liability being attached to the Contractor if delivery of materials is rendered impossible by reason of any act of the Government.</p>
6	<p>ELECTRICAL LIGHTING, POWER AND WATER</p> <p>The Contractor shall provide any artificial lighting which may be necessary or required for the proper execution of the works, and provide electric power and water required by all Sub-Contractors, Nominated Sub-Contractors and Sub-Contractors appointed directly by the Employer.</p> <p>The Contractor shall give all notices and pay all fees in connection with temporary electrical and water connections and shall connect temporary Electrical and Water meters for and pay for all current and water consumed.</p> <p>Tenderers are advised that the permanent light fittings and water points of any kind installed in the Works are not to be used to provide temporary lighting and supplement water requirements for construction purposes.</p>
7	<p>IMPORT PERMITS, DUTIES AND SURCHARGES.</p> <p>All tenders by means of which imported products are being called for, must use the rate of exchange 14 days prior to the closing date indicated in the tender documents. If this day falls on a weekend or public holiday, the next working day must be used.</p> <p>Furthermore, Tenderers must submit documentary proof (in the form of a certified copy) from their bank or legally recognised financial institution, clearly indicating what the rate of exchange was 14 days prior to the closing date, as mentioned above.</p> <p>Together with this, the Tenderer must confirm that the tender price relating to an imported product, was based on the rate of exchange 14 days prior to the closing date as mentioned above.</p>
8	<p>STANDARD SYSTEM OF MEASUREMENT WHERE BILLS OF QUANTITIES FORM PART OF THE TENDER DOCUMENTS</p> <p>The work executed under this Contract has been measured in accordance with the;</p> <p style="text-align: center;">SOUTH AFRICAN NATIONAL STANDARDS (SANS 1200)</p> <p>including all amendments unless descriptions of items indicate a deviation and it shall be understood that the system of measurement which is herein adopted is the only system of measurement which will be recognised in connection with this contract. Any contradictions to this system of measurement contained in the "Model Preambles for Trades 2008" shall be disregarded (unless same have been accommodated in the system of measurement) but applicable rates shall be included for all requirements stated and not measured separately in compliance with this system.</p>
9	<p>PRICING OF ROCK EXCAVATIONS</p> <p>It is a condition of this tender that should the tenderer elect to price the Rock Excavation included in this tender, the rates must be market related and should be identically priced for the same classification of excavations and not vary for similar billed items in the different sections.</p>

10	<p>BROAD BASED BLACK ECONOMIC EMPOWERMENT</p> <ol style="list-style-type: none"> 1. It is the deliberate policy of the Provincial Administration of KwaZulu-Natal to foster and to encourage the economic empowerment of Black South Africans. This policy will be implemented without prescription and without prejudicing the principles and the integrity of the Provincial Administration of KwaZulu-Natal. Subject to these constraints and also subject to good business practise and commercial consideration, it is therefore considered appropriate that the Provincial Administration of KwaZulu-Natal should encourage business relationships with companies which actively pursue Affirmative Action and Black Economic Empowerment Programmes. 2. In responding to this tender you are therefore encouraged to devote attention to these two subjects of Affirmative Action and Economic Empowerment. In addition, in considering the appointment of sub-contractors, you are requested to extend the spirit of these policies. 3. The foregoing enunciations of this policy are not intended to be prescriptive nor to preclude any individual or operation from responding to this tender. 				
11	<p>REGISTRATION ON THE CENTRAL SUPPLIERS DATABASE</p> <ol style="list-style-type: none"> 1. In terms of the Public Finance Management Act (PFMA), 1999 (Act No 1 of 1999) Section 38 (1) (a) (iii) and 51 (1) (iii) and Section 76 (4) of PFMA National Treasury developed a single platform, The Central Supplier Database (CSD) for the registration of prospective suppliers including the varification functionality of key supplier information. 2. Prospective suppliers will be able to self - register on the CSD website: www.csd.gov.za 3. Once the supplier information has been varified with external data sources by National Treasury a unique supplier number and security code will be allocated and communicated to the supplier. Suppliers will be required to keep their data updated regularly and should confirm at least once a year that their data is still current and updated. 4. Suppliers can provide their CSD supplier number and unique security code to organs of state to view their varified CSD information. 5. Tenderers are required to fill in clearly, legibly, in bold print and black ink their CSD supplier number in the space hereunder: <table border="1"> <tr> <td>Name of Supplier</td><td></td></tr> <tr> <td>Central Supplier Database (CSD) Supplier Number:</td><td></td></tr> </table>	Name of Supplier		Central Supplier Database (CSD) Supplier Number:	
Name of Supplier					
Central Supplier Database (CSD) Supplier Number:					

12	<p>TAX CLEARANCE REQUIREMENTS</p> <p>It is a condition of tender that the taxes of the successful tenderer must be in order, or that satisfactory arrangements have been made with South African Revenue Service (SARS) to meet the Tenderer's tax obligations. It is a condition of this Offer of Commission that your practice remains in good standing with SARS (South African Revenue Services) in terms of its tax clearance, during the project, which is required to process your payment certificates.</p> <ol style="list-style-type: none"> 1 In order to meet this requirement tenderers are required to apply via e-filing at any SARS branch office nationally. The Tax Compliance Status (TCS) requirements are also applicable to foreign Tenderers / individuals who wish to submit Tenders. 2 SARS will then furnish the Tenderer with a Tax Compliance Status (TCS) PIN that will be valid for a period of 1 (one) year from the date of approval. 3 In tenders where Consortia / Joint Ventures / Sub-contractors are involved, each party must submit a separate Tax Compliance Status (TCS) PIN. 4 Application for Tax Compliance Status (TCS) PIN can be done via e-filing at any SARS branch office nationally or on the website www.sars.gov.za. 5 Tax Clearance Certificates may be printed via eFiling. In order to use this provision, taxpayers will need to register with SARS as eFilers through the website www.sars.gov.za. 6 Tax Clearance Certificates may be printed via eFiling. In order to use this provision, taxpayers will need to register with SARS as eFilers through the website www.sars.gov.za. <table border="1"> <tr> <td>Security PIN Number</td><td></td></tr> <tr> <td>Company / Entity Tax Reference Number</td><td></td></tr> </table>	Security PIN Number		Company / Entity Tax Reference Number	
Security PIN Number					
Company / Entity Tax Reference Number					
13	<p>BILLS OF QUANTITIES/LUMP SUM DOCUMENT</p> <p>The Bills of Quantities document forms part of and must be read and priced in conjunction with all the other documents forming part of the contract documents, the Standard Conditions of Tender, Conditions of Contract, Standard Preambles to all Trades, Specifications, Drawings and all other relevant documentation.</p>				
14	<p>VALUE ADDED TAX</p> <p>The tender price must include for Value Added Tax (VAT). All rates, provisional sums, etc. in the Bills of Quantities must however be net (exclusive of VAT) with VAT calculated and added to the Total Value thereof in the Final Summary.</p>				
15	<p>FIXED PRICE CONTRACT</p> <p>N/A</p>				



DEPARTMENT OF HEALTH: DRIEFONTEIN CLINIC: UPGRADE OF SEWER TREATMENT PLANT

C2.2 - Preliminaries for GCC for Construction works - 2nd Edition 2010

DEPARTMENT OF HEALTH: DRIEFONTEIN CLINIC: UPGRADE OF SEWER TREATMENT PLANT

BILL NO. 1

C2 .2 PRELIMINARY AND GENERAL

	NOTES	UNIT	QUANTITY	RATE	AMOUNT
i)	The agreement is to be the General Conditions of Contract for Works of Civil Engineering Construction (2010) (Second Edition) , published by the S. A. Institution Of Civil Engineering.				
ii)	The Preliminaries are to be the Construction and management requirements for works contracts - Part 1: General engineering and construction works (SANS 1921-1: 2004 Edition 1) prepared by Standards South Africa and shall be deemed to be incorporated herein.				
iii)	Tenderers are referred to the abovementioned documents for the full intent and meaning of each clause thereof (hereinafter referred to by heading and clause number only) for which such allowance must be made as may be considered necessary.				
iv)	Where standard clauses or alternatives are not entirely applicable to this contract such modifications, corrections or supplements as will apply are given under each relevant clause heading.				
v)	Where any item is not relevant to this specific contract such item is marked N/A (signifying "not applicable").				
vi)	Adjustment of the preliminaries: each item priced, is to be allocated to one or more of the three categories, where "F" denotes a fixed amount (amount not to be varied), "V" denotes an amount variable in proportion to value and "T" denotes an amount in proportion to time.				
vii)	Time (T) related Preliminaries will only be adjusted for omissions or additions, issued by the Employer, or delays caused by the Employer, for which variation and extension of time has been granted. See Contract Data .				
	SECTION A: GENERAL CONDITIONS OF CONTRACT				
A1	General (clause 1) F:..... V:..... T:.....	Item			
A2	Basis of Contract (clause 2) F:..... V:..... T:.....	Item			
A3	Engineer (clause 3) F:..... V:..... T:.....	Item			
A4	Contractor's General Obligation (clause 4) F:..... V:..... T:.....	Item			
A5	Time and Related Matters (clause 5) - As referred to in the Contract Data under Special Condition of Contract. The Contract Period shall be deemed to include all Non – Working Days, Special Non – Working Days and the year-end Builders Annual Industry Holiday Periods. F:..... V:..... T:.....	Item			
	Carried forward to collection			R	

		UNIT	QUANTITY	RATE	AMOUNT
A6	Payment and Related Matters (clause 6) F:..... V:..... T:.....	Item			
A7	Quality and Related Matters (clause 7) F:..... V:..... T:.....	Item			
A8	Risk and Related Matters (clause 8) F:..... V:..... T:.....	Item			
A9	Termination of Contract (clause 9) F:..... V:..... T:.....	Item			
A10	Claims and Disputes (clause 10) F:..... V:..... T:.....	Item			
SECTION B: SANS 1921-1:2004 (Edition 1): CONSTRUCTION AND MANAGEMENT REQUIREMENTS FOR WORKS CONTRACTS: PART 1					
Refer to the SCOPE OF WORK for detail requirements:					
B1	Scope F:..... V:..... T:.....	Item			
B2	Normative references F:..... V:..... T:.....	Item			
B3	Definitions F:..... V:..... T:.....	Item			
B4	Requirements for construction and management F:..... V:..... T:.....	Item			
B4.1	General F:..... V:..... T:.....	Item			
B4.2	Responsibilities for design and construction F:..... V:..... T:.....	Item			
B4.3	Planning, programme and method statements F:..... V:..... T:.....	Item			
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		UNIT	QUANTITY	RATE	AMOUNT
B4.4	Quality assurance F:..... V:..... T:.....	Item			
B4.5	Setting out F:..... V:..... T:.....	Item			
B4.6	Management and disposal of water F:..... V:..... T:.....	Item			
B4.7	Blasting F:..... V:..... T:.....	Item			
B4.8	Works adjacent to services and structures F:..... V:..... T:.....	Item			
B4.9	Management of the Works and site F:..... V:..... T:.....	Item			
B4.10	Earthworks F:..... V:..... T:.....	Item			
B4.11	Testing F:..... V:..... T:.....	Item			
B4.12	Materials, samples and fabrication drawings F:..... V:..... T:.....	Item			
B4.13	Equipment F:..... V:..... T:.....	Item			
B4.14	Site establishment F:..... V:..... T:.....	Item			
B4.15	Survey control F:..... V:..... T:.....	Item			
B4.16	Temporary works F:..... V:..... T:.....	Item			
	Carried forward to collection			R	

		UNIT	QUANTITY	RATE	AMOUNT
B4.17	Existing services F:..... V:..... T:.....	Item			
B4.18	Health and safety F:..... V:..... T:.....	Item			
B4.19	Environmental requirements F:..... V:..... T:.....	Item			
B4.20	Alterations, additions, extensions and modifications to existing works F:..... V:..... T:.....	Item			
B4.21	Inspection of adjoining structures, services, buildings and property F:..... V:..... T:.....	Item			
B4.22	Attendance on nominated and selected subcontractors F:..... V:..... T:.....	Item			
	SECTION C: SCOPE OF WORK in accordance with SANS 10403 (The reference to Clauses refer to Table B.1 of SANS 1921-1:2004)				
C1	Certification by recognised bodies - CLAUSE 4.4 F:..... V:..... T:.....	Item			
C2	Agrément certificates - CLAUSE 4.5 F:..... V:..... T:.....	N/A			
C3	Other services and facilities - CLAUSE 4.8 F:..... V:..... T:.....	Item			
C4	Recording of weather - CLAUSE 5.2 F:..... V:..... T:.....	Item			
C5	Management meetings - CLAUSE 5.3 F:..... V:..... T:.....	Item			
C6	Daily records CLAUSE 5.6 F:..... V:..... T:.....	Item			
C7	Bond and guarantees - CLAUSE 5.7 F:..... V:..... T:.....	Item			
	Carried forward to collection			R	

		UNIT	QUANTITY	RATE	AMOUNT
C8	Permits - CLAUSE 5.9 F:..... V:..... T:.....	Item			
C9	Proof of compliance with the law - CLAUSE 5.10 F:..... V:..... T:.....	Item			
SECTION D: SPECIFICATION DATA ASSOCIATED WITH SANS 1921-1:2004 (Table A.1)					
D1	Requirements for drawings, information and calculations for which the contractor is responsible CLAUSE 4.1.7 F:..... V:..... T:.....	Item			
D2	The responsibility strategy assigned to the contractor for the works CLAUSE 4.2.1 F:..... V:..... T:.....	Item			
D3	The planning, programme and method statements - CLAUSE 4.3 F:..... V:..... T:.....	Item			
D4	Samples of materials, workmanship and finishes - CLAUSE 4.12.1 F:..... V:..... T:.....	Item			
D5	Fabrication drawings that the contractor is to provide and deliver to the employer - CLAUSE 4.12.2 F:..... V:..... T:.....	Item			
D6	Office for the foreman CLAUSE 4.14.3 F:..... V:..... T:.....	Item			
D7	Telephone - CLAUSE 4.14.3 F:..... V:..... T:.....	Item			
D8	Office for inspector of works - CLAUSE 4.14.3 F:..... V:..... T:.....	Item			
D9	Telephone in office for inspector of works - CLAUSE 4.14.3 F:..... V:..... T:.....	Item			
D10	Sheds - CLAUSE 4.14.3 F:..... V:..... T:.....	Item			
Carried forward to collection				R	

		UNIT	QUANTITY	RATE	AMOUNT
D11	Provision and erection of signboards - CLAUSE 4.14.6 F:..... V:..... T:.....	Item			
D12	Termination, diversion or maintenance of existing services - CLAUSE 4.17.1 F:..... V:..... T:.....	Item			
D13	Services which are known to exist - CLAUSE 4.17.3 F:..... V:..... T:.....	Item			
D14	Detection apparatus - CLAUSE 4.17.4 F:..... V:..... T:.....	Item			
D15	Additional health and safety requirements - CLAUSE 4.18 F:..... V:..... T:.....	Item			
SECTION E: SPECIFIC PRELIMINARIES					
<u>Section E contains Specific Preliminary items which apply to this contract except where "N/A" (Not Applicable) appears against the item.</u>					
E1	PROPRIETARY BRANDED PRODUCTS The contractor shall take delivery of, handle, store, use apply and/or fix all proprietary branded products in strict accordance with the manufacturers' instruction after consultation with the manufacturer's authorised representative. F:..... V:..... T:.....	Item			
E2	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 Engineer/Principal Agent has specifically authorised in writing, prior to the execution thereof, that costs for such overtime are to be borne by the Employer. F:..... V:..... T:.....	Item			
E3	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 Engineer/Principal Agent and the Structural Engineer for their records. F:..... V:..... T:.....	Item			
Carried forward to collection				R	

	SECTION E: SPECIFIC PRELIMINARIES	UNIT	QUANTITY	RATE	AMOUNT
E4	SITE INSTRUCTIONS Site Instructions issued on site are to be recorded in triplicate in a Site Instruction book which is to be maintained on site by the Contractor. F:..... V:..... T:.....	Item			
E5	LABOUR RECORD At the end of each week the Contractor shall provide the Engineer/Principal Agent with a written record, in schedule form, reflecting the number and description of tradesmen and labourers employed by him and all sub-contractors on the works each day. F:..... V:..... T:..... <i>Note: In the event that the contractor fails to satisfy the requirements of this specification, the Employer (Head: Public Works) may apply any of the sanctions provided in the contract. Sanctions may include the application of a financial penalty of .04% of the Contract Sum per calendar day of which the required report has not been submitted.</i>	Item			
E6	PLANT RECORD At the end of each week the Contractor shall provide the Engineer/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. F:..... V:..... T:.....	Item			
E7	NON CESSION OF MONIES The Contractor shall not cede nor assign his rights or claims to any monies due or to become due under this contract. F:..... V:..... T:.....	Item			
E8	SECTIONAL COMPLETION When it is required that the contract be executed in sections or portions, the tenderer shall allow for all costs in this regard as no claim for additional costs will be entertained. F:..... V:..... T:.....	Item			
E9	LOCAL LABOUR It is a general requirement of this contract that persons normally resident in the locality of the works (Local Labour) be given preference for employment on the contract. Provided, however, that should adequate and appropriate Labour not be available within the locality, others may be employed subject to satisfactory proof being provided that every reasonable endeavour has been made to employ Local Labour. The Contractor shall identify the local community leaders with the purpose of negotiating with them regarding the utilization of Local Labour in the construction process. In this regard, the Contractor shall furthermore give preference, wherever possible to the employment of single heads of households, women and youth. The Contractor shall, in general, maximize the involvement of the local community. F:..... V:..... T:.....	Item			
	Carried forward to collection			R	

		UNIT	QUANTITY	RATE	AMOUNT
E10	IMPORT PERMITS AND DUTIES The responsibility for obtaining the necessary import permits shall rest with the successful Tenderer. No foreign exchange will be arranged or provided by the Administration. Tenderers are to allow in their tenders and pay the ordinary levy imposed on imported items in terms of item 196.10 of Part 8 of Schedule No. 1 of the Customs and Excise Act, 1964 with effect from 1 October 1989. F:..... V:..... T:.....	Item			
E11	CONTRACT PRICE ADJUSTMENT PROVISIONS (CPAP) Notwithstanding anything to the contrary contained in the GCC for Construction Works 2010 2nd Edition, this Contract shall only when the Construction Period exceeds 6 months and the Contract sum exceeds R1,000,000,00 be subject to the Contract Price Adjustment Provisions Indices Application Manual for use with P0151 indices (CPAP) (Revised 1 January 2013) as published by Statistics South Africa. Tenderers are advised that with reference to Clause 3.4.6 of the Contract Price Adjustment Provisions (CPAP) Indices Applications Manual, the Head: Public Works <u>will not accept the submission by Tenderers of lists of additional items.</u> Where this contract is a Lump Sum contract, the contract will be subject to Contract Price Adjustment Provisions (CPAP) only where the contract period equals or exceeds 6 calendar months. The applicable work group shall be WG 180 for domestic buildings or WG 181 for commercial and industrial buildings. F:..... V:..... T:.....	Item			
E12	EPWP CONDITIONS AND SPECIFICATIONS 12.1 EMPLOYMENT TARGETS E12.1 a Employment Targets The contractor needs to provide a realistic estimate on the number of jobs that the project has the potential to create throughout the project duration as the project will be implemented using labour intensive construction methods on elements where it is economical and feasible for this construction method. No of jobs to be created = [Contractor to fill in an estimated number] F:..... V:..... T:..... E12.1 b Employment requirements Tenderers are advised that this contract will be subject to the Expanded Public Works Program (EPWP) aimed at alleviating and reducing unemployment. Tenderers must allow for any costs for the employment of unskilled labour as per the requirements of the EPWP program; 1. 55% of unskilled labour to be women 2. 55% of unskilled labour to be youth aged between 18 and 35 years 3. 2% of unskilled labour to be people living with disability 4. 100% Unskilled labour utilised must reside within the boundaries of the Municipality Ward where this contract is executed, with preference to the local community closest or at the walking distance to the contract site. Wherever possible local skilled tradesmen are to be employed on this contract with the view to maximize utilization of local resources. F:..... V:..... T:.....	Item			
	Carried forward to collection			R	

		UNIT	QUANTITY	RATE	AMOUNT
	<p>E12.1 c Labour rate and payment intervals</p> <p>The contractor should ensure that labour rate paid to unskilled local labour is commensurate to the daily task. When determining the rate, consideration should be given to that EPWP beneficiaries are mostly bread winners in their families, as the program intends alleviating poverty. There should also be consideration that the labour rate promotes creation of expanded number of jobs created and person days of work.</p> <p>Contractors should make endeavours to ensure that labourers, particularly unskilled are remunerated on fortnight basis and prior notification be made should there be a shortfall on their wages.</p> <p>The labour rate for local unskilled shall also be determined in consideration of the location of the project, i.e. for projects implemented in urbanized municipalities will not be the same as that for rural municipalities.</p> <p>F:..... V:..... T:.....</p> <p>12.2 LABOUR INTENSIVE CONSTRUCTION METHOD</p> <p>E12.2 a Labour Intensive Construction (LIC) method</p> <p>On site there must a person(s) having competency in managing and implementing LIC methods.</p> <p>*Foreman @ NQF Level 4 the Unit Standard on Implementing LIC methods on site.</p> <p>*Site Agent/ Managers @ NQF level 5 the Unit Standard on Manage Labour-Intensive Skills Programme both must be CETA accredited</p> <p>F:..... V:..... T:.....</p> <p>E12.2 b Labour Intensive Construction Method</p> <p>Those parts of the contract to be constructed using Labour Intensive methods will be marked in the BoQ with letter LI (indicating Labour Intensive) against every item so designated. Such works will only be constructed using method so indicated.</p> <p>Reference to be made to Guidelines for the implementation of Labour Intensive Infrastructure projects under EPWP. "Scope of Work in Respect of Work Relating to the Expanded Public Works Programme (EPWP)"</p> <p>F:..... V:..... T:.....</p> <p>E12.3 RECORD KEEPING</p> <p>12.3.1 Every employer must keep in the project site office the following minutes of site progress minutes; contractors' monthly site progress reports; accurately recorded attendance register; proof of payment as means to verify authenticity of data in the EPWP Beneficiary form submitted with payment certificates. Copies of submitted EPWP beneficiary data forms should also be kept in the site office.</p> <p>F:..... V:..... T:.....</p> <p>12.3.2 The employer must keep this record for a period of at least three (3) years after the completion of the project in his/her office as the project site office would have been relocated.</p> <p>This should be safely kept for job creation data verifications and periodical audits on projects conducted by National and Provincial Department of Public Works after one (1) or two (2) quarters of submitting captured EPWP Data to the National EPWP coordinating Department.</p> <p>F:..... V:..... T:.....</p>	Item			
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	Carried forward to collection			R	

		UNIT	QUANTITY	RATE	AMOUNT
	<p>E12.4 EPWP REPORTING as per EPWP DATA FORM</p> <p>At the end of each month as part of site progress report and to be attached to every contractors' progress payment certificate; the contractor shall provide the principal agent & Public Works with a written records, as per EPWP data form; which will be reflecting, beneficiaries full name & surname; ID No and job description of labour employed by main contractor and sub-contractors on site. At the end of each month the contractor must submit the following documents to be attached to the Progress payment certificate:</p> <ol style="list-style-type: none"> 1. EPWP monthly data collection form 2. Worker monthly payment upload 3. Worker monthly proof of payment i.e <ol style="list-style-type: none"> 3.1 Acknowledgement of receipt of payment or 3.2 Payslips 3.3 Bank statement highlighted the workers paid 4. Worker monthly training form 5. Monthly attendance register 6. Certified copies of ID's (once off) 7. ID size photos (once off) 8. Proof of UIF 9. Proof of COIDA <p>F:..... V:..... T:.....</p> <p>E12.5 EPWP PROMOTION</p> <p><u>12.5.1 EPWP signage board</u></p> <p>EPWP Program at the project level shall always be promoted through have the projects signage board that embrace EPWP logo at the bottom, correct measurement for this signage board will be provided by the project leader during the site handing over meeting. the standard "HELVETIVA MEDUIM " letters are to be used . Professional title to be 10 mm above line . Line thickness to be 8 mm thick . Space between bottom of the line and bottom of the lettering below the line has to be 100 mm. Letter sizes are as follows : Helvetica meduim 100 mm black upper case to be for project name and owner . Helvetica meduim 75mm black upper case only to be used for professional titles.Project name and owner shall be black lettering on white background.board sizes are as follows : Board to be minomum 2000mm from ground level and to be constructed from reinforced formed chromadek panels minimum 0,6mm thick chromadek. The contractor is responsible for ensuring that the project board remains neatly and safely erected for the full duration including maintenance period,after which the project board and post are to be dismantled and handed to the client in good order.</p> <p>F:..... V:..... T:.....</p> <p><u>12.5.2 Branding of labour apparel</u></p> <p>Contractor & Sub-contractors' labourers shall be provided with EPWP branded Personal Protective Equipment (PPE), reflector vest with EPWP wording at the back is an ideal and cost effective means of promoting program on site.</p> <p>The contractor is then advised to price for both item 17.5.1 and 17.5.2</p> <p>F:..... V:..... T:.....</p>	Item			
		Item			
		Item			
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		UNIT	QUANTITY	RATE	AMOUNT
	<p>E12.6 COMMUNITY LIAISON OFFICER (CLO) UTILISATION OF A COMMUNITY LIAISON OFFICER In addition to the requirements of Clause E9, contained in this document; The Contractor shall allow for and pay any and all costs necessary for the engagement of the services of a Community Liaison Officer (CLO) for the full duration of this contract</p> <p>In the interest of providing a sound service to both the community and the Contractor, a CLO may only manage one project at a given time.</p> <p>A CLO will be identified by the local structures of the ward areas and appointed following fair and transparent interviewing process, to be conducted in the presence of local structures and the contractor representative, in order to assist the Contractor in the procurement of any local labour, etc. required for this project. The Contractor is to liaise with the CLO and afford him any assistance needed in ensuring sound working relations with the local community.</p> <p>Key Responsibilities of the CLO are envisaged to include and not necessary be limited to:</p> <ol style="list-style-type: none"> 1. Assisting local leadership in conducting skills and resources audit which facilitates sourcing labour from within the ward or targeted areas for employment, as required by contractor. 2. Assisting in sourcing labour-only domestic sub-contractors and the procurement of materials from local resources, as required by the contractor. 3. Assisting the contractor by identifying areas of potential conflict and or threats to the project or to stakeholders in the project and recommend appropriate action to the contractor. 4. Assisting contractor and stakeholders in the project in the resolution of any conflict which may arise. 5. Establishing and ensuring that sufficient and open communication channels between the contractor and the work force are maintained. 6. Establish and ensuring that efficient and open communication channels between the contractor and the community are maintained 7. Identifying and reporting to the Contractor regarding issues where communication between stakeholder is necessary, recommend courses of action and facilitate such communications 8. Assisting the Contractor and the work force in the establishment of grievance procedures and necessary recommenda-tion to the Contractor regarding the grievances and solution thereto. 9. Attending to site meetings and project implementation meetings as required by the Contractor and prepare periodic reports as may be required by the Contractor from time to time. 10. Attending to such other duties which are consistent with the functions of a CLO, as may be required by the Contractor from time to time. <p>Tenderers are to price twice the rate of unskilled local labour rate against this item for any and all costs arising out of compliance with the foregoing and in the event of a Tenderer failing to price against this item or making inadequate financial provision against this item for compliance as aforesaid, then no claim for costs or additional cost incurred will be entertained by the Head: Works</p> <p>F:..... V:..... T:.....</p>	Item			
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		UNIT	QUANTITY	RATE	AMOUNT
	<p>E12.7 SKILLS DEVELOPMENT ON SITE</p> <p>Contractor in conforming to the object of EPWP that its beneficiaries need to be capacitated with skills that will render them employable in the future. It is then the responsibility of the Contractor that mandatory life skills are provided to 100% of workforce on site and on the job training to labourers from whom the potential for further development has been identified. The latter is not mandatory to all as it covers technical skills.</p> <p>Contractor should also make provision for the possibility that there might be local youth that will need to be placed on the project with an intention to be provided support towards improving their level of competency and productivity.</p> <p>Contractor shall also provide all necessary on-the-job training to targeted labour to enable such labour to master and advance on techniques required to undertake the work in accordance with requirements of the contract in a manner that does not compromise workers health and safety.</p> <p>F:..... V:..... T:.....</p> <p>E12.8 LABOUR ONLY Sub Contracting for local emerging enterprises</p> <p>Tenderer's are advised that this contract is subject to the Expanded Public Works Programme (EPWP) and the following criteria will apply:</p> <p><u>African Equity Ownership</u></p> <p>a) The Tenderer is to allow for 5% of the total value of works to be undertaken by a Priority Population Group. This percentage excludes the costs of employing local unskilled labour. The allocation of this percentage from the Project, the screening of people, the selection of skills, will be for the Contractor to adjudicate.</p> <p>b) The Priority Population Group consists of women, youth and disabled people.</p> <p>c) The Contractor is to give first option for prospective PPG's from the surrounding areas of the Project. Should there be insufficient suitable people fitting the criteria of PPG's, the Contractor may hire people from further afield. This is to be done only after consultation with the Department of Works EPWP Co-ordinator and the Community Liaison Officer (CLO).</p> <p>d) A Mentor is to be employed by the Contractor, in consultation with the Department of Works for the purposes of quality control and liaison between the Contractor and the selected PPG's on site. The mentor will be responsible for ensuring an acceptable level of quality workmanship and that such work carried out by the PPG's is executed within the time frames stipulated.</p> <p>In so far as possible, the Contractor is encouraged to expand the PPG's skills, knowledge and performance levels.</p> <p>F:..... V:..... T:.....</p>	Item			
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		UNIT	QUANTITY	RATE	AMOUNT
	<p>E12.10 EPWP SCOPE of WORK</p> <p>Note: Contractors are to price any item on the Bill of Quantities having below, bearing in mind that they are regarded as main sources of job creation, whether sub contracted or undertaken by the main contractor.</p> <p>Elements on the scope of work where application of Labour Intensive Construction methods as will indicated with letters (LI) are regarded feasible are as follows;</p> <p>i) Excavating trenches for foundations and any other civil works with the depth not more than 1.5 m</p> <p>ii) All masonry works which include concrete mixing on site; brickwork; plastering; screed works; jointing; etc.</p> <p>iii) Painting, Plumbing, Ironmongery; roof cladding; glazing; tiling; carpentry; flooring; waterproofing; etc.</p> <p>F:..... V:..... T:.....</p> <p>Note: It is a general requirement of this contract that persons normally resident in the ward of the works (local labour) be given preference for employment on the contract. Provided, however, that should adequate and appropriate labour not be available within the ward, others may be employed subject to satisfactory proof being provided that every reasonable endeavour has been made to employ local labour (Local Sub-contractor(s); Skilled; Semi-Skilled and Unskilled). The contractor shall in consultation with the local community leaders with the purpose of negotiating with them regarding the utilization of local resources in the construction process. In this regard, the contractor shall furthermore give preference, wherever possible to the employment of single heads of households, women and youth as well as families declared as most indigent by War on Poverty/ Sukuma Sakhe program profiling process. The contractor should aim, in general, to maximise the involvement of the local community, however workers from other communities should not exceed 20% of all persons working on the project, where local employees possess skills at level of competency that meet contractors requirements.</p> <p><u>Payment for the labour-intensive component of the works</u> Payment for works identified in the Scope of Work as being labour-intensive shall only be made in accordance with the provisions of the Contract if the works are constructed strictly in accordance with the provisions of the Scope of Work. Any non-payment for such works shall not relieve the Contractor in any way from his obligations either in contract or in delict.</p> <p><u>Linkage of payment for labour-intensive component of works to submission of project data</u> The Contractor's payment invoices shall be accompanied by labour information for the corresponding period in a format specified by the employer. If the contractor chooses to delay submitting payment invoices, labour returns shall still be submitted as per frequency and timeframe stipulated by the Employer. The contractor's invoices shall not be paid until all pending labour information has been submitted.</p> <p><u>Applicable labour laws</u> The current Ministerial Determination (also downloadable at www.epwp.gov.za) Expanded Public Works Programmes, issued in terms of the Basic Conditions of Employment Act of 1997 by the Minister of Labour in Government Notice, shall apply to works described in the scope of work as being labour-intensive and which are undertaken by unskilled or semi-skilled workers.</p> <p>F:..... V:..... T:.....</p>	Item			
	Carried forward to collection			R	

		UNIT	QUANTITY	RATE	AMOUNT
E13	HIV/AIDS AWARENESS Tenderers are to price against the following items for compliance with the SPECIFICATION FOR HIV/AIDS AWARENESS bound into this document (The clauses referred to are those of the Specification for HIV/AIDS) E13.1 Provide and maintain a condom dispenser in terms of Clause 5.1a) F:..... V:..... T:..... E13.2 Provide and maintain HIV/AIDS awareness posters terms of Clause 5.1b) F:..... V:..... T:..... E13.3 HIV /Aids Awareness Programme on Site for not less than 90% of workers inclusive of all direct and indirect costs; Engage a qualified service provider as described in the scope of works to conduct an HIV Awareness Programme in terms of Clause 5.2.1a) F:..... V:..... T:..... E13.4 Arrange for workers to attend the HIV Awareness Programme in terms of Clause 5.2.1b) F:..... V:..... T:..... E13.5 Reporting Prepare and attach to claims for payment a brief report in terms of Clause 5.3 (see also HIV/STI Compliance Report included with this document). F:..... V:..... T:..... <i>Note: In the event that the contractor fails to satisfy the requirements of this specification, the employer (Head: Public Works) may apply any of the sanctions provided for in the contract. Sanctions may include the application of a financial penalty of .04% of the Contract Sum per calendar day of which the required reports has not been submitted.</i>	Item			
E14	OCCUPATIONAL HEALTH AND SAFETY ACT NO. 85 OF 1993 Tenderers are to allow for costs in providing a project specific ' Construction Phase Safety, Health and Environmental Plan' in accordance with "Section 2 - Specification Data associated with SANS 1921-1:2004" clause C4.18 in "Part C3 - Scope of Work" F:..... V:..... T:.....	Item			
E15	NOTICE BOARD, SITE OFFICE, ETC. Tenderers are to allow for the provision and removal of a project notice board and a site office in accordance with the Principal Agent's requirements. F:..... V:..... T:.....	Item			
E16	IMPORTED MATERIALS AND EQUIPMENT Where imported items are listed in the tender documents, the tenderer shall provide all information called for, failing which the price of any such item, material or equipment shall be excluded from currency fluctuations. (<i>Refer to T2.14 - Schedule of Imported Materials and Equipment.</i>) F:..... V:..... T:.....	Item			
E17	CONTRACT DOCUMENTS The drawings issues with these Tender documents do not comprise the complete set but serves as a guide only for tendering purposes and for indicating the scope of works to enable the Tenderer to acquaint him 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 legible to the Tenderer he shall, before submitting his Tender, obtain clarification in writing from the principal agent. F:..... V:..... T:.....	Item			
	Carried forward to collection			R	

		UNIT	QUANTITY	RATE	AMOUNT
E18	GENERAL PREAMBLES The Document Preambles will be the "ASAQS Model Preambles for Trades – 2008" and is obtainable from the various Regional Office's of the Department of Public Works 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. F:..... V:..... T:.....	Item			
E19	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. F:..... V:..... T:.....	Item			
E20	EXISTING PREMISES OCCUPIED Refer to Scope of Works Part C3 of this Tender Document for information on the occupation of existing buildings. F:..... V:..... T:.....	Item			
E21	INACCURATE AND DEFECTIVE WORK EXECUTED UNDER PREVIOUS CONTRACT The contractor shall, after taking possession of the site and before commencing the work, check all levels, liners, profiles and the like and satisfy himself as to the dimensional accuracy of all work executed under the previous contract which may affect his work. Should any inaccurate or defective work be found, the contractor shall immediately notify the principal agent in writing requesting his instructions with regard thereto and afford every facility to those rectifying such inaccurate or defective work. F:..... V:..... T:.....	Item			
E22	VIEWING THE SITE IN SECURITY AREAS If the site is situated in a security area and the Tenderer must arrange with the Authorities to obtain permission to enter the site for Tendering purposes. F:..... V:..... T:.....	Item			
E23	COMMENCEMENT OF WORKS IN SECURITY AREAS If the works falls within a security area, the contractor must arrange with the Authorities and give the necessary notices 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. F:..... V:..... T:.....	Item			
E24	ENTRANCE PERMITS TO SECURITY AREAS If the works fall within a security 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 control of the Authority. F:..... V:..... T:.....	Item			
	Carried forward to collection			R	

		UNIT	QUANTITY	RATE	AMOUNT
E25	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. F:..... V:..... T:.....	Item			
E26	PROHIBITION ON TAKING PHOTOGRAPHS In terms of article 119 of the Defence Act, 44 of 1957, it is prohibited to sketch or to take photographs of any military site or installation or any building or civil works thereon or to be in possession of a camera or other apparatus used for taking photographs, except when authorised thereto by or on behalf of the Minister. The same prohibition is also applicable to all Correctional Institutions in terms of article 44.1(e) of the Correctional Services Act 8 of 1959. F:..... V:..... T:.....	Item			
E27	Management of Water Water for Construction purposes must be obtained from alternative water sources (i.e. supply other than water that is produced and distributed by a regulated water service authority from a licenced water treatment works for human consumption), eg dams, rivers, boreholes, springs, rainwater harvesting, recycled sewerage water, etc. The alternative water source shall not be of an inferior quality / standard than that required for construction purposes. The client reserves the right through his agents to test such supplies or request certificates confirming the grade and nature of the water supply. Relevant knowledge of the respective area will be an advantage.				
	Carried forward to collection			R	

SECTION 1

SUMMARY – PRELIMINARY & GENERAL

<u>Collection</u>	Page No.	Amount	
	1	R	
	2	R	
	3	R	
	4	R	
	5	R	
	6	R	
	7	R	
	8	R	
	9	R	
	10	R	
	11	R	
	12	R	
	13	R	
	14	R	
	15	R	
	16	R	
Carried forward to Final Summary		R	

Section No. 1
Preliminary & General
Summary



KWAZULU-NATAL PROVINCE
PUBLIC WORKS
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF HEALTH: DRIEFONTEIN CLINIC: UPGRADE OF SEWER TREATMENT PLANT

PART C2.3 BILL OF QUANTITIES

**WIMS 066058: DRIEFONTEIN CLINIC
UPGRADE OF SEWER TREATMENT PLANT**

Item	Payment Refers	Description	Unit	Actual	Quantity	Rate	Amount
2		<u>BILL 2 : PROVISIONAL SUMS AND TEMPORARY WORKS</u>					
2.1	SANS 1200 A	PROVISIONAL SUMS					
2.1.1	8.5	Compliance Testing					
2.1.1.1	8.1.2.1 (d)	a) Test undertaken by Independent Engineers / Laboratories	Sum		1		
2.1.1.2	8.1.2.1 (d)	b) Overhead, charges and profit on item 2.1.1.1 above	%		10%		
2.1.2		As-Built Survey					
2.1.2.1	8.1.2.1 (d), PSA 7	a) As-built topographical survey of clinic including all infrastructure within the clinic fence.	Sum		1		
2.1.2.2	8.1.2.1 (d)	b) Overhead, charges and profit on item 2.1.2.1 above	%		10%		
2.2	PS 5.3	Borehole investigation as instructed by Engineer	Prov. Sum		1	340 000.00	R 340 000.00
2.2.1	8.1.2.1 (d)	b) Overhead, charges and profit on item 2.2.1 above	%			340 000.00	
2.3		TEMPORARY WORKS					
2.3.1	8.8.2, PS 2	Accommodation of Traffic	Sum		1		
2.3.2	P.S 3	(c) Excavate by hand in soft materials to expose existing services as instructed by Engineer (Prov. Quant.)	m³		50		
2.3.3	8.8.3 & PSA 4.1	(d) Protection of existing structures	m		50		
TOTAL CARRIED FORWARD TO SUMMARY PAGE							

**WIMS 066058: DRIEFONTEIN CLINIC
UPGRADE OF SEWER TREATMENT PLANT**

Item	Payment Refers	Description	Unit	Quantity	Rate	Amount
3		<u>BILL 3 : SITE CLEARANCE</u>				
3.1	SANS 1200 C	SITE CLEARANCE:				
3.1.1	8.2.1	<u>Clear and grub</u>	m ²	200		
3.1.2	8.2.2	Remove and grub large trees and tree stumps of girth				
3.1.2.1		a) Over 1m and upto and including 2m	No.	2		
3.1.3	8.2.5	<u>Take down existing fences</u>				
3.1.3.1		Remove existing 1500mm high mesh fence, including steel posts and store for reinstatement	m	60		
3.1.3.2		Removal of existing 1800mm high mesh fence, including posts and store as directed by the Client	m	115		
3.1.4	8.2.8	<u>Demolish and remove structures</u>				
3.1.4.1		Demolish and removal of existing block/brick retaining walls including concrete foundation and dispose off site for the following widths :				
3.1.4.1.1		110mm block/brick retaining walls	m ²	15		
3.1.4.1.2		230mm block/brick retaining walls	m ²	20		
3.1.4.1.3		345 block/brick retaining walls	m ²	7		
3.1.4.2		Breaking up and removal of existing asphalt surfacing, max. depth 40mm and dispose off	m ²	20		
3.1.4.3		Breaking up and removal of existing concrete kerbs and channels and dispose off	m	100		
3.1.4.4		Remove existing interlocking brick/concrete block paving and dispose off	m ²	83		
3.1.4.5		Remove existing 80mm thick brick/concrete block paving and store for reuse	m ²	20		
3.1.4.6		Demolish and removal of existing stormwater concrete and brick headwalls / manholes not exceeding 1000mm deep	No.	2		
3.1.4.7		Demolish and remove existing uPVC pipes as directed by the Engineer	m	100		
3.1.4.8		Demolish and remove existing unreinforced concrete	m ³	14		
3.1.4.9		Demolish and remove existing reinforced concrete	m ³	14		
3.1.5		Dismantle and store existing elevated storage tank and structure and store as directed by the Client	No.	1		
3.1.6	8.2.9	Transport materials and debris to unspecified sites and dump	m ³ .km	210		
TOTAL CARRIED FORWARD						

**WIMS 066058: DRIEFONTEIN CLINIC
UPGRADE OF SEWER TREATMENT PLANT**

Item	Payment Refers	Description	Unit	Quantity	Rate	Amount
BROUGHT FORWARD						
3.2	SANS 1200 A	Existing Services				
3.2.1		High pressure cleaning of following diameter stormwater pipelines, irrespective of pipe composition:				
3.2.1.1		a) 110mm dia. and upto and including 250mm pipes	m	30		
3.2.1.2		b) greater than 250mm dia. and upto and including 450mm dia. pipes	m	5		
3.2.1.3		c) greater than 450mm dia. and upto and including 600mm dia. pipes	m	5		
3.2.1.4		d) greater than 600mm dia. and upto and including 750mm dia. pipes	m	5		
3.2.1.5		e) greater than 750mm dia pipes	m	5		
3.2.2	8.1.2.1 (d)	c) Relocation and lowering of existing services as directed by the Engineer	Sum	1		
TOTAL CARRIED FORWARD TO SUMMARY PAGE						

**WIMS 066058: DRIEFONTEIN CLINIC
UPGRADE OF SEWER TREATMENT PLANT**

Item	Payment Refers	Description	Unit	Quantity	Rate	Amount
4		<u>BILL 4 : STORMWATER DRAINAGE</u>				
	SABS 1200C	SITE CLEARANCE				
4.1	8.2.1 & PSC 4.2	Clear and grub along route of pipelines	m	50.00		
4.2	8.2.10	Remove topsoil to a Nominal depth of 150mm, stockpile, maintain and reinstate topsoil (100mm) along route of pipeline	m ³	10.00		
	8.3.2 PSDB	<u>Excavation</u>				
4.2.1	8.3.2	(a) Excavate in all materials for trenches, backfill, compact and dispose of surplus material for pipes not exceeding 450mm dia. for:				
4.2.1.1		- 0.0m up to and including 1.5m	m ³	5		
4.2.1.2		- over 1.5m and up to and including 2.0m	m ³	15		
4.2.1.3		- over 2.0m and up to and including 2.5m	m ³	15		
4.2.1.4		- over 2.5m and up to and including 4.5m	m ³	5		
4.2.2	8.3.2	b) Extra over Item (a) above for:				
4.2.2.1		1) Intermediate excavations	m ³	10		
4.2.2.2		2) Hard rock excavations	m ³	10		
4.2.3	8.3.2	c) Excavate and dispose of unsuitable material from trench bottom	m ³	5		
4.2.4	8.3.3.1	Make up deficiency in backfill material:				
4.2.4.1		(a) From other necessary excavations on site	m ³	5		
4.2.4.2	8.3.3.3	Compaction in road reserve	m ³	20		
4.2	SANS 1200 LB	BEDDING (PIPES)				
4.2.1	8.2.1	From trench excavations:				
4.2.1.1		(a) Selected granular material	m ³	1		
4.2.1.2		(b) Selected fill material	m ³	2		
4.2.2	8.2.2.3	From commercial sources:				
4.2.2.1		(a) Selected granular material	m ³	2		
4.2.2.2		(b) Selected fill material	m ³	8		
4.3	SANS 1200 LE	STORMWATER DRAINAGE				
4.3.1	8.2.1	Supply, handle and lay (on a Class C bed selected granular material from trench excavations), and join reinforced concrete pipe culverts:				
4.3.1.1		- 450mm class 100D concrete pipes	m	20		
TOTAL CARRIED FORWARD						

**WIMS 066058: DRIEFONTEIN CLINIC
UPGRADE OF SEWER TREATMENT PLANT**

Item	Payment Refers	Description	Unit	Quantity	Rate	Amount
BROUGHT FORWARD						
4.4	8.2.8	Construct Type A stormwater outlet headwall Complete as per detail on Dwg. No. 484/905	No.	4		
4.5	PA 8	Subsoil Drainage				
4.5.1	PA 8.1.1	Construct new 110mm dia. subsoil drainage line as per Subsoil Detail shown on Dwg. No. 484/905	m	30		
4.5.2		Install rodding eye flush points along subsoil drainage line, as per detail on Dwg. No. 484/906	No.	6		
4.6	8.2.13	The raising or lowering of existing manholes	No.	8		
4.7		Install new Aluminium Gutters - 125mm x 85mm domestic OGEE x 0,6mm -- brackets fixed at 600mm centres 150mm x 125mm industrial OGEE x 0,6mm - brackets fixed at 500mm centres or equally approved.	m	50		
4.8		Install 5000L circular polyurethane water tank 1.82m diameter x 2.255m high, including wire cable, lid, inlet, outlet etc, complete with tank stand base, as detailed on Drawings 484/300	No.	4		
TOTAL CARRIED FORWARD TO SUMMARY PAGE						

**WIMS 066058: DRIEFONTEIN CLINIC
UPGRADE OF SEWER TREATMENT PLANT**

Item	Payment Refers	Description	Unit	Quantity	Rate	Amount
5	SANS 1200 DB, PA 6, PSDB,LD, PS LD	<u>SECTION 5:</u> <u>SEWER RETICULATION</u>				
5.1	SANS 1200C	SITE CLEARANCE				
5.1.1	8.2.1 & PSC 4.2	Clear and grub along route of pipelines	m	320		
5.1.2	8.2.10	Remove topsoil to a Nominal depth of 150mm, stockpile, maintain and reinstate topsoil (100mm) along route of pipeline	m ³	40		
5.2	SANS 1200 DB	<u>Earthworks : Trenching</u>				
5.2.1	8.3.2 PSDB 8	<u>Excavation</u>				
5.2.1.1		(a) Excavate in all materials for trenches, backfill, compact including disposal of surplus/unsuitable material for the following pipes and depths: Over 100mm up to and including 160 mm dia pipes				
		<u>Over</u> and <u>Up to</u>				
5.2.1.1.1		0,00 m 1,50 m	m	200		
5.2.1.1.2		1,51 m 2,00 m	m	80		
5.2.1.1.3		2,01 m 2,50 m	m	20		
5.2.1.1.4		2,51 m 3,00 m	m	10		
5.2.1.1.5		> 3,00 m	m	10		
5.3		<u>(b) Extra over Item 5.2.1.1 above for</u>				
5.3.1		Intermediate material	m ³	171		
5.3.2		Hard Rock excavation	m ³	10		
5.4	SANS 1200 LB	BEDDING (PIPES)				
5.4.1	8.2.1	From trench excavations:				
5.4.1.1		(a) Selected granular material	m ³	3		
5.4.1.2		(b) Selected fill material	m ³	10		
5.4.2	8.2.2.3	From commercial sources:				
5.4.2.1		(a) Selected granular material	m ³	30		
5.4.2.2		(b) Selected fill material	m ³	90		
5.5	8.3.3.3	Compaction in road reserves (only where ordered)	m ³	60		
5.6	SANS 1200 LD, 8.2.1	<u>PIPEWORK</u>				
5.6.1		Supply, handle, lay, bed (class C), joint, backfill and test uPVC sewer pipes, and couplings complete with specials:				
5.6.2		(b) 110 mm nominal dia HD uPVC class 34 pipes	m	100		
5.6.3		(b) 160 mm nominal dia HD uPVC class 34 pipes.	m	300		
TOTAL CARRIED FORWARD						

**WIMS 066058: DRIEFONTEIN CLINIC
UPGRADE OF SEWER TREATMENT PLANT**

Item	Payment Refers	Description	Unit	Quantity	Rate	Amount
BROUGHT FORWARD						
5.7		Sewer Package Plant				
5.7.1	PS6.3	a) Specialist Contractor to design, supply, installation and certification of new CDB Type sewer treatment plant or equally approved. As detailed in Dwg 484/900.	Sum	1		
5.8	8.2.3	Manholes (Etc)				
5.8.1		<u>Construction of precast manhole (1000 mm dia) including precast concrete roof slab and lid, precast concrete frame and levelling rings, extra excavation, channel pieces, etc. for 110/160 mm dia uPVC pipes for the following depths :</u>				
		Over and Up to				
5.8.1.1		0,00 m 1,50 m	No	10		
5.8.1.2		1,51 m 2,00 m	No	8		
5.8.1.3		2,01 m 2,50 m	No	5		
5.8.2		<u>Extra over Item 5.8.1 for SABS 558/1965 type 2A CI cover and frame and levelling rings (to be used in road reserves)</u>	No	2		
5.9	8.2.4	<u>Extra over Item 5.8.1 for construction of drop manholes including extra excavations, formwork, Class 20/20 concrete encasement, pipes joints, bends, fixing brackets and all additional extras, etc as per Detailed Drawing</u>				
5.9.1		0,5 m to 1,0 m	No	3		
5.9.2		1,01 m to 1,5m	No	2		
5.9.3		1,51m to 2,0m	No	1		
5.10	8.2.6	<u>Building Connections (110 mm dia uPVC Class 34 sewer pipes)</u>				
5.11		<u>Direct Connections out of Main Sewer for the following lengths:</u>				
		Over and Up to				
5.11.1		0,00 m 2,00 m	No	5		
5.11.2		2,01 m 4,00 m	No	3		
5.12	8.2.6	<u>Normal Erf Connections into Manhole for the following lengths:</u>				
		Over and Up to				
5.12.1		0,00 m 2,00 m	No	30		
5.12.2		2,01 m 4,00 m	No	10		
TOTAL CARRIED FORWARD						

**WIMS 066058: DRIEFONTEIN CLINIC
UPGRADE OF SEWER TREATMENT PLANT**

Item	Payment Refers	Description	Unit	Quantity	Rate	Amount
BROUGHT FORWARD						
5.16	PSLD 7.1.4	<u>Rodding Eyes</u> Supply and install inclusive of excavation, backfilling, concrete, formwork and cover slabs, complete as per detail drawing for the following depths <u>Over</u> and <u>Up to</u>				
5.16.1		0,00 m 1,00 m	No	5		
5.16.2		1,01 m 1,50 m	No	5		
5.16.3		1,51 m 2,00 m	No	5		
5.17	8.2.7	Encasing and/or protecting slabs for pipes up to 160 mm dia in Class 20/20 concrete where ordered	m³	15		
5.18	8.2.8	Construct in Class 20/20 concrete anchor blocks where required	m³	5		
5.19	PSLD 7	Extra over for Item 5.7.1 for connection into new sewer treatment plant.	No	1		
5.20	PS6.2 & PS6.2.1	Construction of precast Manhole 08 (1000 mm dia) including precast concrete roof slab and lid, precast concrete frame and levelling rings, extra excavation, channel pieces, etc. for 160 mm dia uPVC pipes, excluding equipment, telemetry, pipework as per drawing 484/900.	No	1		
5.21	PS6.4 & PS6.4.1	<u>Pipework : drawing reference 484/900</u>				
5.21.1		a)Amarex N S 50-172/002ULG-120 pump or equally approved including Instalation kits and lifting device.	No	1		
5.21.2		b)50mm Ø galvanised steel pipe - 981mm Long with flanged both ends (FBE)	No	1		
5.21.3		c)50mm Ø Socketed gate valve with flanged both ends (FBE)	No	1		
5.21.4		d)50mm Ø RK swing valve or equally approved with flanged both ends (FBE)	No	1		
5.21.5		e)50mm Ø 90° bend with flanged both ends (FBE)	No	1		
5.21.6		f)50mm Ø galvanised puddle pipe, 500mm Long with flanged both ends (FBE)	No	1		
5.21.7		g)50mm Ø galvanised steel pipe - 2500mm Long with flanged both ends (FBE)	No.	1		
5.21.8		h)Supply and install New telemetry system and back up battery system for New Amarex N S 50-172/002ULG-120 pump or equally approved including equipment.	No	1		
5.22		Construct new soakaway complete as per drawing 484/900.	m	10		
TOTAL CARRIED FORWARD TO SUMMARY PAGE						

**WIMS 066058: DRIEFONTEIN CLINIC
UPGRADE OF SEWER TREATMENT PLANT**

Item	Payment Refers	Description	Unit	Quantity	Rate	Amount
6	SANS 1200	BILL 6 : ROADWORKS				
6.1	8.2.1 & PSC 4.2	Clear and grub	m ²	700		
6.2	SANS 1200 DM	EARTHWORKS (ROADS, SUBGRADE):				
6.2.1	8.2.10	Remove topsoil to a No.minal depth of 150mm, stockpile, maintain and reinstate topsoil (100mm) and dispose of surplus material	m ³	110		
6.2.2		Treatment of road bed				
6.3.2.1	8.3.3	2) Rip insitu material to a depth of 150mm and compact to minimum of 93% modified AASHTO maximum density	m ³	130		
6.3.2	8.3.4	Import to fill				
6.3.2.1		a) Import minimum G7 quality material from commercial source and construct 150mm thick selected subgrade layers to make up levels, compacted to 93% Mod AASHTO density	m ³	250		
6.3.2.1		a) Import minimum G8 quality material from commercial source and construct 150mm thick selected subgrade layers to make up levels, compacted to 93% Mod AASHTO density	m ³	110		
6.4	8.3.7	Cut to spoil				
6.4.1		a) Soft excavation	m ³	250		
6.4.2		b) Intermediate excavation	m ³	100		
6.4.3		c) Hard excavations	m ³	50		
6.5	8.3.13	Surface Finishes				
6.5.1		a) 100mm topsoil to all banks and verges using material from commercial sources	m ²	100		
6.5.2		b) 100mm topsoil to all banks and verges using material from stockpile	m ²	355		
6.5.3		c) Grassing sodding	m ²	355		
6.6	8.3.15	Construct catch water earth drain as directed by engineer	m	150		
6.7	SANS 1200 ME	SUBBASE				
6.7.1	8.3.3	Construct 150mm thick surface finish with G5 quality materials from commercial sources, compacted to 95% Mod AASHTO density	m ³	150		
6.10	SANS 1200 MJ	SEGMENTED PAVING				
6.10.2		Reinstall existing 80mm thick concrete block paving over 20mm thick clean coarse river sand, including of joint filling.	m ²	20		
6.11	SANS 1200 G	CONCRETE SURFACING				
6.11.1	8.2.1	Rough formwork to sidesof concrete surfacing	m ²	60		
6.11.2	8.3.2	High tensile Mesh Ref. 193 reinforcement	m ²	60		
6.11.3	8.4.3	Grade 25/19 for walkways and aprons	m ³	18		
TOTAL CARRIED FORWARD TO SUMMARY PAGE						

**WIMS 066058: DRIEFONTEIN CLINIC
UPGRADE OF SEWER TREATMENT PLANT**

Item	Payment Refers	Description	Unit	Quantity	Rate	Amount
7	SANS 1200 LC	BILL 7 : CABLE DUCTS				
7.1	8.2.1 & PSC 4.2	Clear and grub along route of cable route	m	500		
7.2	8.2.10	Remove topsoil to a No.minal depth of 150mm, stockpile, maintain and reinstate topsoil (100mm) along route of cable route	m ³	50		
7.3		CABLE DUCTS				
7.3.1	8.2.2	Excavation				
7.3.1.1		a) Excavation in all material for trenches, backfill, compact and dispose of surplus material	m	45		
7.3.2		b) Extra-over item				
7.3.2.1		- Intermediate excavation	m	10		
7.4	8.2.5	Supply, lay, bed and prove duct for the following diameters:				
7.4.1		a) 110mm diameter HDPE sleeves	m	100		
7.4.2		a) 160mm diameter HDPE sleeves	m	10		
7.5	8.2.6	Import bedding material where ordered				
7.5.1		a) Clean coarse river sand	m ³	18		
7.5.2		b) 25mpa concrete	m ³	4		
7.6	8.2.8	Cable markers				
7.6.1		a) Route markers	No.	10		
7.6.2		b) Kerb markers	No.	4		
TOTAL CARRIED FORWARD TO SUMMARY PAGE						

**WIMS 066058: DRIEFONTEIN CLINIC
UPGRADE OF SEWER TREATMENT PLANT**

Item	Payment Refers	Description	Unit	Quantity	Rate	Amount
8		<u>BILL 8 : WATER AND FIRE RETICULATION</u>				
8.1	SABS 1200C	SITE CLEARANCE				
8.1.1	8.2.1 & PSC 4.2	Clear and grub along route of pipelines	m	920		
8.1.2	8.2.10	Remove topsoil to a No.minal depth of 150mm, stockpile, maintain and reinstate topsoil (100mm) along route of pipeline	m ³	540		
8.2	SANS 1200 D	EARTHWORKS				
8.2.1		Proving of existing services:				
8.2.2	8.3.8	a) by hand excavation	m ³	50		
8.3	SABS 1200DB	EARTHWORKS (PIPE TRENCHES)				
8.3.1	8.3.2 (a)	Excavate in all materials for trenches backfill, compact and dispose of surplus material for pipes up to 110mm diameter for thr following depths:				
8.3.1.1		Over 0.0m and up to 1.0m	m	85		
8.3.1.2		Over 1.0m and up to 1.5m	m	550		
8.3.1.3		Over 1.5m and up to 2.0m	m	50		
8.3.1.4		Over 2.0m and up to 2.5m	m	20		
8.4	8.3.2 (b)	Extra-over item 8.3.1.1 to 8.3.1.4 for excavation in (Provisional):				
8.4.1		a) Intermediate material	m ³	58		
8.4.2		b) Hard rock material	m ³	10		
8.4.3		c) Boulder excavation, class A	m ³	5		
8.4.4		d) Boulder excavation, class B	m ³	2		
8.5	8.3.2 c)	Excavate and dispose of unsuitable material from trench (provisional)	m ³	23		
8.6	8.3.3	Excavation Ancillaries				
8.6.1	8.3.3.1	Make up deficiency in backfill material (provisional):				
8.6.1.1		a) From other necessary excavations on site	m ³	30		
8.6.1.2		b) From commercial or off-site sources	m ³	10		
8.7	8.3.3.3	Compaction in road reserves	m ³	20		
TOTAL CARRIED FORWARD						

**WIMS 066058: DRIEFONTEIN CLINIC
UPGRADE OF SEWER TREATMENT PLANT**

Item	Payment Refers	Description	Unit	Quantity	Rate	Amount
BROUGHT FORWARD						
8.8	8.3.4	Particular Items				
8.8.1		b) Shore trench in roadway	m	25		
8.9	8.3.4 (b) & PSDB 5.2.2	Temporary Works : Control water inflow from groundwater				
8.9.1		a) Provide equipment	Sum	1		
8.9.2		b) Operate and maintain	Days	20		
8.9.3		c) Remove equipment	Sum	1		
8.10	8.3.5	Existing Services that intersect or adjoin a pipe trench				
8.10.1		<u>Services that intersect a trench</u>				
8.10.1.1		(a) Telkom cables	No.	3		
8.10.1.2		(b) Electricity cables	No.	4		
8.10.1.3		(c) Watermains	No.	14		
8.10.1.4		(d) Sewer	No.	14		
8.10.1.5		(e) Stormwater	No.	5		
8.10.2		<u>Services that adjoin a trench</u>				
8.10.2.1		(a) Telkom cables	m	12		
8.10.2.2		(b) Electricity cables	m	12		
8.10.2.3		(c) Watermains	m	80		
8.10.2.4		(d) Sewer	m	12		
8.10.2.5		(e) Stormwater	m	29		
8.11		Erosion protection and rehabilitation				
8.11.1	PSDB 5.4	Fill and compact selected fill material to 90% MOD AASHTO over area to be exposed to erosion to depths specified by the Engineer	m ³	58		
8.11.2		Sack Breaker for steep slope erosion protection	m ³	23		
8.12	8.3.6	Finishing				
8.12.1	8.3.6.1	Reinstate existing surface complete with all courses with the following surface finishes:				
8.12.1.1		a) Backfill compaction to 93% MOD AASHTO)	m ²	184		
8.12.1.2		d) 25/19 Concrete aprons of thickness 100mm, with mesh ref 193 to centre	m ³	12		
8.12.1.3		e) 25/19 Concrete aprons of thickness 200mm, with mesh ref 245 to centre	m ³	26		
TOTAL CARRIED FORWARD						

**WIMS 066058: DRIEFONTEIN CLINIC
UPGRADE OF SEWER TREATMENT PLANT**

Item	Payment Refers	Description	Unit	Quantity	Rate	Amount
BROUGHT FORWARD						
	SANS 1200L	MEDIUM PRESSURE PIPELINE				
8.13	8.2.1	Supply, lay, bed, test and disinfect portable water pipeline, complete with couplings for the nominal Diameters as schehduled below:				
8.13.1		UPVC Pipe, Class 12				
8.13.1.1		50mm dia	m	10		
8.13.1.2		75mm dia	m	10		
8.13.1.3		110mm dia	m	10		
8.13.2		HDPE, PN12.5 PE100				
8.13.2.1		16mm dia	m	55		
8.13.2.2		20mm dia	m	45		
8.13.2.3		25mm dia	m	50		
8.13.2.4		32mm dia	m	92		
8.13.2.5		40mm dia	m	525		
8.13.2.6		50mm dia	m	250		
8.14	8.2.1	Supply, fix into position on building, test and disinfect pipeline, complete with jointing, couplings and holderbats for the following Nominal Diameters:				
8.14.1		Copper Class 2				
8.14.1.1		15mm dia	m	30		
8.14.1.2		22mm dia	m	60		
8.14.1.3		28mm dia	m	35		
8.14.1.4		35mm dia	m	10		
8.14.1.5		42mm dia	m	10		
8.14.1.6		54mm dia	m	10		
8.15	8.2.5	Supplying, laying and bedding of the following specials, fittings complete with jointing and couplings				
		HDPE Compression Fittings - Bends				
8.15.1		90° Equal Elbows				
8.15.1.1		16mm dia	No.	20		
8.15.1.2		20mm dia	No.	18		
8.15.1.3		25mm dia	No.	19		
8.15.1.4		32mm dia	No.	5		
8.15.1.5		40mm dia	No.	35		
8.15.1.6		50mm dia	No.	26		
8.16		90° Male Elbows				
8.16.1		25mm x ¾" dia	No.	17		
8.16.2		32mm x 1" dia	No.	19		
8.17		90° Female Elbows				
8.17.1		16mm x ½" dia	No.	12		
8.17.2		25mm x ¾" dia	No.	12		
8.17.3		32mm x 1" dia	No.	5		
8.17.4		40mm x 1½" dia	No.	8		
8.17.5		50mm x 2" dia	No.	14		
TOTAL CARRIED FORWARD						

**WIMS 066058: DRIEFONTEIN CLINIC
UPGRADE OF SEWER TREATMENT PLANT**

Item	Payment Refers	Description	Unit	Quantity	Rate	Amount
BROUGHT FORWARD						
8.18		HDPE Compression Fittings - Tees				
8.18.1		Equal Tees				
8.18.2		40mm dia	No.	14		
		50mm dia	No.	14		
8.19		HDPE Compression Fittings - Tees				
8.19.1		Reducing Tees				
8.19.1.1		50mm x 20mm x 50mm dia	No.	12		
8.19.1.2		50mm x 25mm x 50mm dia	No.	27		
8.19.1.3		50mm x 32mm x 50mm dia	No.	19		
8.19.1.4		50mm x 40mm x 50mm dia	No.	8		
8.20		HDPE Compression Fittings - Female Adaptor				
8.20.1		75mm x 3" dia	No.	3		
8.21		HDPE Compression Fittings - Reducing Couplings				
8.21.1		25mm x 16mm dia	No.	35		
8.21.2		40mm x 25mm dia	No.	35		
8.21.3		50mm x 25mm dia	No.	14		
8.22		HDPE Compression Fittings - End Caps				
8.22.1		40mm dia	No.	5		
8.22.2		50mm dia	No.	5		
8.23		HDPE Compression Fittings - Flanged Adaptors				
8.23.1		50mm dia	No.	13		
8.23.2		75mm dia	No.	3		
8.24		Magnum Polypropylene Saddles with with ring and gasket				
8.24.1		110mm dia. x ½"	No.	3		
8.24.2		110mm dia. x ¾"	No.	2		
8.24.3		110mm dia. x 1"	No.	2		
8.24.4		110mm dia. x 1¼"	No.	1		
8.24.5		160mm dia. x ½"	No.	4		
8.24.6		160mm dia. x ¾"	No.	5		
8.24.7		160mm dia. x 1"	No.	2		
8.24.8		160mm dia. x 1¼"	No.	3		
8.24.9		160mm dia. x 1½"	No.	3		
8.25	8.2.2	Extra-over item 2.2.1 for supplying, laying, fixing and testing of the following specials and fittings for use with Copper pipes	No.	1		
8.26		Copper Compression Fittings - Copper to Male Adaptors				
8.26.1		15mm dia (½")	No.	35		
8.26.2		22mm dia (¾")	No.	53		
8.26.3		28mm dia (1")	No.	37		
8.26.4		35mm dia (1¼")	No.	20		
8.26.5		42mm dia (1½")	No.	25		
8.26.6		54mm dia (2")	No.	42		
TOTAL CARRIED FORWARD						

**WIMS 066058: DRIEFONTEIN CLINIC
UPGRADE OF SEWER TREATMENT PLANT**

Item	Payment Refers	Description	Unit	Quantity	Rate	Amount
BROUGHT FORWARD						
8.27		Copper Compression Fittings - Copper to Female Adaptors				
8.27.1		15mm dia (½")	No.	35		
8.27.2		22mm dia (¾")	No.	27		
8.27.3		28mm dia (1")	No.	19		
8.27.4		35mm dia (1¼")	No.	15		
8.27.5		42mm dia (1½")	No.	10		
8.27.6		54mm dia (2")	No.	25		
8.28		Copper Compression Fittings - Copper to Copper Couplings				
8.28.1		15mm dia	No.	12		
8.28.2		22mm dia	No.	27		
8.28.3		28mm dia	No.	19		
8.28.4		35mm dia	No.	12		
8.28.5		42mm dia	No.	8		
8.28.6		54mm dia	No.	14		
8.29	8.2.3	Extra over items 2.2.1 & 2.1.2 for the supply, fixing and bedding of Valves				
8.30		Supply and install Complete Stainless Steel - Ball valve assemblies for the diameters stated (all jointing material to be supplied by the Contractor and allowed for in the rate).				
8.30.1		½" Threaded Ball valve	No.	12		
8.30.2		¾" Threaded Ball valve	No.	27		
8.30.3		1" Threaded Ball valve	No.	19		
8.30.4		1¼" Threaded Ball valve	No.	2		
8.30.5		1½" Threaded Ball valve	No.	8		
8.30.6		2" Threaded Ball valve	No.	14		
8.31		Supply and install Complete valve assembly to suite diameters below. As detailed on the standard drawing 343/902 (all jointing material to be supplied by the Contractor and allowed for in the rate) Resilient Seal Gate Valve				
8.31.1		50mm dia	No.	18		
8.32		Galvanised Mild Steel - VJ Coupling				
8.32.1		50mm uPVC & 50mm dia	No.	5		
8.33	8.2.11	Anchor/thrust Blocks				
8.33.1		Construction of anchor / thrust blocks and pedestals in Grade 20/19 concrete as per detail. Price to include for formwork, trimming of excavations, reinforcing, etc.	m ³	10		
8.34		Testing				
8.34.1		Testing of mains to SABS 0400	Sum	1		
8.35		De-commissioning of Valves, Fittings and Pipework				
8.35.1		De-commission existing air valves, scour valves, air valves and isolating valves Not in use	No.	10		
TOTAL CARRIED FORWARD						

**WIMS 066058: DRIEFONTEIN CLINIC
UPGRADE OF SEWER TREATMENT PLANT**

Item	Payment Refers	Description	Unit	Quantity	Rate	Amount
BROUGHT FORWARD						
8.36	8.2.1	Provision of bedding from trench excavation				
8.36.1		a) Selected granular material	m ³	12		
8.36.2		b) Selected fill materials	m ³	35		
8.37	8.2.2	Supply only of bedding by importation				
8.37.1	8.2.2.1	From other necessary excavations				
8.37.1.1		a) Selected granular material	m ³	6		
8.37.1.2		b) Selected fill material	m ³	18		
8.38	8.2.3	Extra over items 2.2.1 & 2.1.2 for the supply, fixing and bedding of Valves				
8.39	8.2.2.3	From Commercial Sources				
8.39.1		a) Selected granular material	m ³	69		
8.39.2		b) Selected fill material	m ³	202		
8.40	8.2.3	Concrete bedding cradle (prov.)	m ³	4		
8.41	8.2.4	Encasing of pipes in concrete	m ³	5		
8.42		Supply and lay 19mm stone bedding	m ³	10		
8.43		Supply and lay Kaymat U14 or similar	m ²	220		
8.44	PS 5.2.1	Water Infrastructure Supply, design, install, deliver and set-up new 35KL pressed steel ground tank, Abeco tank or equally approved.	Sum	1		
8.46	8.2.1	Supply, install Galvanised Mild steel pipes complete with couplings for elevated tanks and rectangular ground tank				
8.46.1		a) 40mm NB SANS 62 Class Medium pipe	m	30		
8.46.2		b) 50mm NB SANS 62 Class Medium pipe	m	25		
8.47		Construct Brick Valve chambers as per drawing 484/904 complete.	No	4		
8.48	8.2.13 & PV	a) Supply and Install 50mm Ø Isolating Valves in brick chamber	No.	4		
8.49	8.2.13 & PV	b) Supply and Install 50mm Ø Non return valve in brick chamber	No.	4		
8.50		Construct 2.3m x 1m x 1.5m high pump chamber with 230mm with 7Mpa facebrick on existing rectangular tank slab including 150mm thk. 25Mpa concrete roof slab (Y12 - reinforcement = 0.5t) for potable water and fire water pump assembly.	No.	2		
TOTAL CARRIED FORWARD						

**WIMS 066058: DRIEFONTEIN CLINIC
UPGRADE OF SEWER TREATMENT PLANT**

Item	Payment Refers	Description	Unit	Quantity	Rate	Amount
BROUGHT FORWARD						
5.50		Pumps				
8.50.1		Supply, deliver and install of fire water pump set, controls and telemetry for Etanorm 040-025-200 GB 10 PO pumps (KSB or equally approved) centrifugal pump set (1 run and 1 standby) as specified and manufacturers recommendation. The pumps are to be complete with axial suction nozzles and discharge nozzles pointing radially upwards. Shaft to be equipped with replaceable shaft sleeve/ shaft protecting sleeve in the shaft seal area. Impeller trimmed to match the specifcied duty point. The pump duties are as follows: Nominal Flow: - 5.4 m³/h Pump Static Head: - 40 m Pumo Max Speed: - 2880 rev/min	No.	2		
8.50.2		Supply, deliver and install of potable water pump set, controls and telemetry for Etanorm 040-025-160 GG 10 PO pumps (KSB or equally approved) centrifugal pump set (1 run and 1 standby) as specified and manufacturers recommendation. The pumps are to be complete with axial suction nozzles and discharge nozzles pointing radially upwards. Shaft to be equipped with replaceable shaft sleeve/ shaft protecting sleeve in the shaft seal area. Impeller trimmed to match the specifcied duty point. The pump duties are as follows: Nominal Flow: - 3.0 m³/h Pump Head: - 25 m Pumo Max Speed: - 2840 rev/min	No.	2		
8.51		Fire hose reels				
8.52		For the Supply, delivery, installation and commissioning 580mm Diameter metal fire hose reel complete with mounting frame, hose guard and nozzle, 20mm fire hose 30m long with 25mm water connection all as per SABS543-1992	No.	4		
8.53		Fire hose reel standard RED, PVC cover suitable for all weather conditions for the above specified hose reel.	No.	4		
8.54		Testing and Commissioning				
8.55		Allow for testing, commissioning and issuing of compliance certificates as required for the complete installations as specified.	No.	1		
TOTAL CARRIED FORWARD TO SUMMARY PAGE						

WIMS 066058: DRIEFONTEIN CLINIC
UPGRADE OF SEWER TREATMENT PLANT

Item	Payment Refers	Description	Unit	Quantity	Rate	Amount
9	P.S 8 & PE	<u>BILL 9 - ELECTRICAL AND TELEMETRY</u>				
9.1		<u>CABLING</u>				
9.1.1		<u>Power Cables:</u>				
9.1.1.1		Power cable, PVC/SWA/PVC 3C 1,5mm ²	m	97		
9.1.1.2		Power cable, PVC/SWA/PVC 3C 2,5mm ²	m	553		
9.1.1.3		Power cable, PVC/SWA/PVC 4C 10mm ²	m	77		
9.1.1.4		Power cable, PVC/SWA/PVC 4C 16mm ²	m	115		
9.2		<u>Control Cables:</u>				
9.2.1		Control cable, PVC/SWA/PVC 4C 1,5mm ²	m	10		
9.2.2		Control cable, PVC/SWA/PVC 3C 1,5mm ²	m	10		
9.3		<u>Earthing Cables:</u>				
9.3.1		Earthing cable - insulated, 1x1,5m ²	m	97		
9.3.2		Earthing cable - insulated, 1x2,5m ²	m	553		
9.4		<u>Instrument Cables:</u>				
9.4.1		Dekabon - 1 pair	m	132		
9.4.2		Dekabon - 2 pair	m	220		
9.4.3		Dekabon - 4 pair	m	350		
9.5		<u>Communication Cables:</u>				
9.5.1		CAT 5E	m	156		
9.5.2		CAT 6	m	53		
9.6		<u>CABLE TERMINATIONS</u>				
9.6.1		<u>Power Cables:</u>				
9.6.1.1		Power cable, PVC/SWA/PVC 3C 1,5mm ²	No.	8		
9.6.1.2		Power cable, PVC/SWA/PVC 3C 2,5mm ²	No.	16		
9.6.1.3		Power cable, PVC/SWA/PVC 4C 10mm ²	No.	2		
9.6.1.4		Power cable, PVC/SWA/PVC 4C 16mm ²	No.	2		
TOTAL CARRIED FORWARD						

**WIMS 066058: DRIEFONTEIN CLINIC
UPGRADE OF SEWER TREATMENT PLANT**

Item	Payment Refers	Description	Unit	Quantity	Rate	Amount
BROUGHT FORWARD						
9.7		<u>Control Cables:</u>				
9.7.1		Control cable, PVC/SWA/PVC 4C 1,5mm ²	No.	10		
9.7.2		Control cable, PVC/SWA/PVC 3C 1,5mm ²	No.	8		
9.8		<u>Earthing Cables:</u>				
9.8.1		Earthing cable - insulated, 1x1,5m ²	No.	10		
9.8.2		Earthing cable - insulated, 1x2,5m ²	No.	8		
9.9		<u>Instrument Cables:</u>				
9.9.1		Dekabon - 1 pair	No.	10		
9.9.2		Dekabon - 2 pair	No.	22		
9.9.3		Dekabon - 4 pair	No.	4		
9.10		<u>TRENCHING</u>				
9.10.1		<u>Trenching:(Power)</u>				
9.10.1.1		Excavate for services 600wide by 600Deep				
9.10.1.1.1		In ground m ³	m ³	228		
9.10.1.1.2		In hard ground m ³	m ³	25		
9.10.1.1.3		In rock m ³	m ³	5		
9.11		<u>PIPEWORK</u>				
9.11.1		Supply, handle, lay, bed (class C), joint and backfill uPVC pipes, and couplings complete with specials:				
9.11.1.1		(a) 160 mm nominal dia HD uPVC class 34	m	250		
9.12		<u>CABLE TRAYS & TRUNKING</u>				
9.12.1		Supply and install cable trays and trunking as per specification. Includes supports, fixings and sundry materials.				
9.12.1.1		Galvanised steel cable ladder 100mm	m	28		
9.12.1.2		Galvanised steel cable ladder 100mm risers/droppers	m	2		
9.12.1.3		Galvanised steel cable ladder 100mm bends	m	2		
9.12.1.4		Galvanised steel cable ladder 100mm Tees	m	2		
9.12.1.5		Galvanised steel P8000 trunking	m	35		
TOTAL CARRIED FORWARD						

**WIMS 066058: DRIEFONTEIN CLINIC
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Item	Payment Refers	Description	Unit	Quantity	Rate	Amount
BROUGHT FORWARD						
9.13		<u>SMALL POWER AND LIGHTING</u>				
9.13.1		Supply and install including all fixings and and sundry materials.				
9.13.1.1		20mm Galvanised conduit (lighting)	m	45		
9.13.1.2		25mm Galvanised conduit (Power & Controls)	m	189		
9.13.1.3		Paddle Flow switch 15L/S	No.	8		
9.13.1.4		Emergency stop stations for motors	No.	8		
9.13.1.5		63amp 3 phase and neutral welding socket, type WACO or similar approved	No.	2		
9.13.1.6		15amp 3-pin weather proof 250V single switched socket outlet	No.	10		
9.13.1.7		15amp Single lever weather proof light switch	No.	4		
9.13.1.8		Surface mounted IP65 vapour proof linear LED 40W light fitting	No.	8		
9.13.1.9		Photo electric cell with mounting accessories	No.	2		
9.13.1.10		600/1000 grade PVC insulated stranded copper conductors drawn into conduit or trunking	m	100		
9.13.1.11		1,5mm² red, black, green	m	300		
9.13.1.12		2,5mm² Red, black, green		200		
9.13.1.13		CCG Boxes	No.	10		
9.13.1.14		32amp 3 phase and neutral isolator, type WACO or similar approved	No.	8		
9.13.1.15		32amp 1 phase and neutral isolator, type WACO or similar approved	No.	8		
9.13.1.16		Cable and core identification	Lot	1		
9.13.1.17		Commissioning and testing of complete system	Sum	1		
9.13.1.18		Supply as-built documentation	Sum	1		
9.14		<u>DISTRIBUTION KIOSK AND MCC'S</u>				
9.14.1		Supply and install including all fixings and and sundry materials.				
9.14.1.1		Single Line Diagram – Main LV Kiosk as per drawing S1079 S01 T0	No.	1		
9.14.1.2		MCC Schematic – Potable Water Treatment Plant as per drawing S1079_S02_T0	No.	1		
9.14.1.3		MCC Schematic – CBD Treatment Plant as per drawing S1079 S03 T0	No.	1		
TOTAL CARRIED FORWARD TO SUMMARY PAGE						

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UPGRADE OF SEWER TREATMENT PLANT**

Item	Payment Refers	Description	Unit	Quantity	Rate	Amount
10		BILL 10 : STRUCTURES AND FENCES				
10.1	SANS 1200 D	EARTHWORKS				
10.1.1	8.3.2	(a) Excavate in all materials for structures and dispose of surplus material	m ³	227		
10.1.2	8.3.4	Import G7 quality backfill material and compact in maximum 200mm thick layers to 95% Mod AASHTO density	m ³	25		
	SANS 1200 GA, DA, SANS 2001-CM1, PSGA	CONCRETE (SMALL WORKS)				
10.2		Sewer treatment concrete tank as per Draing 484/301 & 484/302				
10.2.1	8.2	FORMWORK				
10.2.1.1	8.2.1	Rough vertical plane				
10.2.1.1.1		a) for external walls below ground level	m ²	80		
10.2.1.2	8.2.2	b) Smooth vertical plane				
10.2.1.2.1		c) for internal walls, cover slab and floor slabs below ground level	m ²	100		
10.2.2	8.4	CONCRETE				
10.2.2.1	8.4.2	Concrete Strength - 15MPa/19 - 50 mm thick mix blinding layer	m ²	8		
10.2.2.2	8.4.3	Concrete Strength - 30MPa/19mm concrete containing 'Penetron Admix with Tracer', 20 year warranty, dosed at 0,8% by weight of cementitious content, all to manufacturer's specifications & details.	m ³	105		
10.2.3	8.3	REINFORCEMENT				
10.2.3.1	8.3.2	Reinforcement to tank bases, walls and roof slab as per bending schedules 484/BS##	t	13.5		
10.4		Rectangular storage tank support base as per drawing 484/304				
10.4.1	8.4	CONCRETE				
10.4.1.1	8.4.2	Concrete Strength - 10MPa/19mm - 50 mm thick mix blinding layer	m ²	43		
10.4.1.2	8.4.3	Concrete Strength - 30MPa/19mm concrete	m ³	22		
10.4.2	8.3	REINFORCEMENT				
10.4.2.1	8.3.2	Reinforcement to tank bases, walls and roof slab as per bending schedules 484/BS##	t	3.5		
10.5	PF 8	FENCING AND GATES				
10.5.1		a) 1800mm high x 3000mm wide galvanised steel vehicle entrance swing gate Complete with locking mechanism built within gate framework, hinge and security fixtures to match existing fenceline.	Sum	1		
10.5.2		b) 1500mm high x 1000mm wide galvanised steel access gate Complete with locking mechanism built within gate framework, hinge for pump chamber.	Sum	1		
10.5.3		Reinstate existing 1500mm high mesh fence, including steel posts	m	60		
TOTAL CARRIED FORWARD TO SUMMARY PAGE						

**WIMS 066058: DRIEFONTEIN CLINIC
UPGRADE OF SEWER TREATMENT PLANT**

**BILL OF QUANTITIES
FINAL SUMMARY**

SECTION	AMOUNT
SECTION 1: PRELIMINARY AND GENERAL	
SECTION 2: PROVISIONAL SUMS AND TEMPORARY WORKS	
SECTION 3: SITE CLEARANCE	
SECTION 4: STORMWATER	
SECTION 5: SEWER RETICULATION	
SECTION 6: ROADWORKS	
SECTION 7: CABLE DUCTS	
SECTION 8: WATER AND FIRE RETICULATION	
SECTION 9: ELECTRICAL AND TELEMETRY	
SECTION 10: STRUCTURES AND FENCING	
SUB TOTAL (A)	
VALUE-ADDED TAX (VAT @ 15%)	
TOTAL	



DEPARTMENT OF HEALTH: DRIEFONTEIN CLINIC: UPGRADE OF SEWER TREATMENT PLANT

PART C3. SCOPE OF WORKS

C3.1 SCOPE OF WORKS GCC FOR CONSTRUCTION WORKS (Edition 2 of 2010)			
Scope of Works complied in accordance with SANS 10403 where reference is made to this part of SANS 1921-1:2004			
Project title:	DEPARTMENT OF HEALTH: DRIEFONTEIN CLINIC: UPGRADE OF SEWER TREATMENT PLANT		
Tender no:	ZNTL04204W	Project Code:	WIMS 066058
1	<p><u>SECTION 1</u></p> <p><u>EXTENT OF THE WORKS</u></p> <p>1.1 EMPLOYERS OBJECTIVES</p> <p>Upgrade existing domestic, fire water supply and reticulation by installing new pipes, water storage tanks, pumps, pump house, boreholes investigations, etc., whilst the existing system remains in operation, and switching over to the new system upon completion.</p> <p>1.2 OVERVIEW OF THE WORKS</p> <p>This contract entails upgrades to existing bulk sewer, potable water, fire and vehicle access infrastructure at Driefontein Clinic, Emnambithi/Ladysmith Rural, Emnambithi/ Ladysmith Local Municipality, KwaZulu-Natal.</p> <p>The works consists primarily of the following:</p> <ul style="list-style-type: none"> •Replacement of the existing below ground sewer network at the clinic, •Construct and install a new CBD package plant type sewerage system, •Construction of concrete aprons around the treatment plant, •Construction of new access Road directly to the treatment plant, •Alterations to water supply network and Provision for water storage, •Investigation of the sustainability and refurbishing the existing borehole <p>1.3 EXTENT OF THE WORKS</p> <p>The extent of works are within the boundaries of the Hospital and are depicted in the site plan attached.</p> <p>1.4 LOCATION OF THE WORKS</p> <p>The site is situated within the premises of the Driefontein Clinic. Directions to the facilities : Follow N3 towards Ladysmith town, turn onto N11 towards Ladysmith town and then follow road information signage to Driefontein Clinic. The site encompasses the a Main clinic facility and staff residences. GPS Co-ordinates for the site are 28°20'36.3"S 29°42'09.7"E</p> <p>1.5 TEMPORARY WORKS</p> <p>All temporary work to comply with the Occupational Health and safety Act (Act 85 of 1993)</p>		
2	<p><u>ENGINEERING</u></p> <p>2.1 EMPLOYER'S DESIGN</p> <p>All designs to comply with relevant Engineering Drawings and Specification.</p> <p>2.2 DESIGN BRIEF</p> <p>Refer to Engineering Drawings and Specifications.</p> <p>2.3 DRAWINGS</p> <p>Refer to Part C5 of the Contract Data for list of drawings annexured to this document.</p>		

2.4	<p>DESIGN PROCEDURES</p> <p>Not applicable</p>
3	<p><u>PROCUREMENT</u></p> <p>3.1 PREFERENTIAL PROCUREMENT PROCEDURES</p> <p>This tender will be subject to the implementation of the Preferential Procurement Regulations, 2022, pertaining to the Preferential Procurement Policy Framework Act, Act Number 5 of 2000 and the relevant Supply Chain Management Legislation and the KwaZulu-Natal Supply Chain Management Policy Framework published by the KwaZulu-Natal Provincial Treasury. Tenderders are referred to www.kzntreasury.gov.za for access to the relevant documents.</p> <p>Tenderders are advised to familiarize themselves with the contents of the KwaZulu-Natal Supply Chain Management Policy Framework regarding Preference Point Systems, evaluation of tenders appeals and other matters.</p> <p>3.2 RESOURCE STANDARD PERTAINING TO TARGETED PROCUREMENT</p> <p>NOTE : This project will be adjudicated as not exceeding R 50,000 000,00</p> <p>3.3 SCOPE OF MANDATORY SUBCONTRACT WORK</p> <p>As per Part T2.36 Quality Criteria.</p> <p>3.4 PREFERRED SUBCONTRACTORS/SUPPLIERS</p> <p>Not applicable</p> <p>3.5 SUBCONTRACTING PROCEDURES</p> <p>Not applicable</p>
4	<p><u>CONSTRUCTION</u></p> <p>4.1 APPLICABLE SANS 2001 STANDARDS FOR CONSTRUCTION WORKS</p> <p>The Contractor is referred to the "South African Nation Standards / South African Bureau of Standards 1200" for full descriptions of materials and methods referred to in these Bills of Quantities documents, insofar as they apply. The Contractor is advised to study the Standards and Specification metioned above, before pricing Bills of Quantities/Lump Sum documents.</p> <p>Wherever the words "shall be deemed to be included in the description", "shall be stated" or other words having the same effect, appear in the Standard System, it shall be deemed that all descriptions in these Bills of Quantities document incorporated such inclusions and statements whether specifically stated or not.</p> <p>The Contractor is hereby informed that risk of collapse and keeping excavations free from water (excluding subterranean water) generally are deemed to be included in the descriptions unless accommodated in the system of measurement. Please refer to the Geotechnical Investigation report when included at the end of these tender documents.</p> <p>Whenever reference is made to "Sub-Contractor", "Nominated Sub-Contractor" or the like in the specifications included or referred to in these Bills of Quantities/Lump Sums documents, it shall be deemed to mean "Contractor" as defined.</p>

4.2	<p>APPLICABLE NATIONAL AND INTERNATIONAL STANDARDS</p> <p>Although not bound in or issued with this document, the following SANS 1200 Standard Specifications for Civil Engineering Construction as approved by the Council of the South African Bureau of Standards shall form part of the Contract Documents. The Contractor shall be in possession of these Standard Specifications and their related SABS 0120 Code of Practice (latest edition) which apply equally and shall keep a copy thereof on site for reference by himself or the Engineer for the duration of the Contract.</p>																
4.3	<p>PARTICULAR / GENERIC SPECIFICATIONS</p> <p>The Contractor is referred to the following documents whether attached to this document or not:</p> <table border="0"> <thead> <tr> <th><u>SPECIFICATION</u></th><th><u>PAGES</u></th></tr> </thead> <tbody> <tr> <td>Specification for HIV/AIDS Awareness (CIDB)</td><td>Part C3.2</td></tr> <tr> <td>Specific Construction, Safety, Health and Environmental Plan</td><td>Annexure 6</td></tr> <tr> <td>Standard Preambles for all Trades (Rev 3) - DOH 2009</td><td>1 to 95</td></tr> <tr> <td>South African National Standards 1200 (SANS 1200)</td><td>All</td></tr> <tr> <td>South African National Standards 10400 (SANS 10400)</td><td>All</td></tr> <tr> <td>Amendments to the Standard Specifications</td><td>Part C3.4</td></tr> <tr> <td>Particular Specifications</td><td>Part C3.5</td></tr> </tbody> </table>	<u>SPECIFICATION</u>	<u>PAGES</u>	Specification for HIV/AIDS Awareness (CIDB)	Part C3.2	Specific Construction, Safety, Health and Environmental Plan	Annexure 6	Standard Preambles for all Trades (Rev 3) - DOH 2009	1 to 95	South African National Standards 1200 (SANS 1200)	All	South African National Standards 10400 (SANS 10400)	All	Amendments to the Standard Specifications	Part C3.4	Particular Specifications	Part C3.5
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4.4	<p>CERTIFICATION BY RECOGNIZED BODIES</p> <p>Only contractors registered with the Electrical Contracting Board of South Africa in accordance with the Regulations of the Occupational Health and Safety Act will be accepted and permitted to do work under this contract.</p>																
4.5	<p>AGRÉMENT CERTIFICATES</p> <p>Not applicable</p>																
4.6	<p>PLANT AND MATERIAL PROVIDED BY THE EMPLOYER</p> <p>Not applicable</p>																
4.7	<p>SERVICES AND FACILITIES PROVIDED BY THE EMPLOYER</p> <p>Not applicable</p>																
4.8	<p>OTHER SERVICES AND FACILITIES</p> <p>The Contractor shall provide any artificial lighting which may be necessary or required for the proper execution of the works, and provide electric power and water required by all Sub-Contractors, Nominated Sub-Contractors and Sub-Contractors appointed directly by the Administration.</p> <p>The Contractor shall give all notices and pay all fees in connection with temporary electrical and water connections and shall connect temporary Electrical and Water meters for and pay for all current and water consumed.</p> <p>The Contractor is advised that the permanent light fittings and water points of any kind installed in the Works are not to be used to provide temporary lighting and supplement water requirements for construction purposes.</p>																
5	<p><u>MANAGEMENT</u></p>																
5.1	<p>APPLICABLE SANS 1921 STANDARDS</p> <p>Tenderders are referred to SECTION 2 : SPECIFICATION DATA ASSOCIATED WITH SANS 1921-1:2004 IN THIS DOCUMENT</p>																
5.2	<p>RECORDING OF WEATHER</p> <p>The Contractor shall keep record of abnormal climatic conditions to facilitate the adjudication of claims for extension of the contract period.</p>																

	The Contractor shall allow in his programme for the following number of days for rain days (rain > 10mm per day) as per the table below:				
	CURRENT YEAR			YEAR + 1	YEAR + 2
	January	w/days		3	3
	February	w/days		3	3
	March	w/days		3	3
	April	w/days		3	3
	May	w/days		3	3
	June	w/days		3	3
	July	w/days		3	3
	August	w/days		3	3
	September	w/days		3	3
	October	w/days		3	3
	November	w/days		3	3
	December	w/days	3	3	3
5.3	MANAGEMENT MEETINGS				
	<p>In order to facilitate the smooth functioning of the Works and to ensure the closest co-operation between all the parties concerned, the Employer will call for regular meetings to be held on the site, at which a senior member of the Contracting firm and the General Foreman of the Works will always be required to be present.</p> <p>In addition to the above, other persons will be required to attend these meetings as and when their presence is necessary, e.g., Consultants in all disciplines, representatives of the various Sub-Contractors, etc.</p> <p>Proper minutes of these meetings will be kept by the Employer/Principal Agent and copies will be circulated to all persons attending the meetings and to others who need to be kept informed.</p>				
5.4	FORMS FOR CONTRACT ADMINISTRATION				
	<p>The Employer shall provide all necessary forms.</p>				
5.5	ELECTRONIC PAYMENTS				
	<p>The Contractor shall provide all required information to the Employer to facilitate electronic payments upon request.</p>				
5.6	DAILY RECORDS				
	<p>The Contractor shall keep daily records of people and equipment employed as well as a site diary in respect of work performed on the site.</p> <p>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 Sub-Contractors on the works each day.</p> <p>At the end of each week the Contractor shall provide the Principal Agent with a written record, in schedule form reflecting the number, type and capacity of all plant, excluding hand tools, currently used on the works.</p>				
5.7	BONDS AND GUARANTEES				
	<p>The Contractor shall within 14 calendar days after receiving notice from the Engineer and prior to 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 bonds, guarantees, proof of insurance and any other documentation to be provided in terms of the conditions of contract identified in the Contract Data.</p>				
5.8	PAYMENT CERTIFICATES				
	<p>Requirements will be in accordance with the Employers prescriptions.</p>				

5.9	<p>PERMITS</p> <p>The Contractor is advised that, in the case of an existing building or institution, all security measures in force will remain in operation and he must acquaint himself and his Employees with them as he and his Employees will at all times be subject to these measures.</p> <p>The Contractor will on no account extend his operations beyond the confines of the building site as indicated by the Employer and must ensure that all his Employees are made aware of these limits. Any Employee disregarding this instruction and found outside the limit of the building site without authority, shall be redeployed immediately and shall not again be employed on this Contract.</p> <p>The Contractor will be responsible for ensuring that this instruction is strictly enforced and must provide and remove upon completion or when directed, such other necessary temporary barriers, fences, etc., as may be required and is to allow opposite this item for any charges he may wish to make in this connection.</p> <p>The Employer will accept no responsibility whatsoever for damage to or the loss of plant, materials, etc., from the site</p>
5.10	<p>PROOF OF COMPLIANCE WITH THE LAW</p> <p>The following certificates must be provided before first delivery is taken:</p> <ul style="list-style-type: none"> - HIV/STI Report (Bound into this document) - Electrical Compliance Certificate - Plumbing Compliance Certificate - Lightning Certificate - Soil Protection Certificate - Concrete test and cube certificates - Soil compaction certificates - Electrical and Mechanical test certificates - Plumbing and drainage pressure test certificates - SANS 10400-A:2010 compliance certificates - Latest National Building Regulation
5.11	<p>INSURANCE PROVIDED BY THE EMPLOYER</p> <p>Not Applicable</p> <p><u>SECTION 2</u></p> <p><u>SPECIFICATION DATA ASSOCIATED WITH SANS 1921-2004</u></p>
Clause Numbers	<p>4.1.7 The requirements for drawings, information and calculations for which the Contractor is responsible are:</p>
	<p>All Prefabricated designs/items must be submitted for approval 30 days prior to erections.</p>
	<p>4.2.1 The responsibility strategy assigned to the Contractor for the works is:</p>
	<p>Strategy A</p>
	<p>4.2.2 The structural engineer is:</p>
	<p>MAP AFRICA CONSULTING ENGINEERS</p>
4.2.3	<p>Drawings & other info are to be submitted in accordance with the contractors programme</p>
	<p>N/A</p>
4.3	<p>The planning, programme and method statement are to comply with the following:</p>
	<p>The programme and method statement are to clearly indicate the proposed processes, methods and means by</p>

4.12.1	<p>Samples of materials</p> <p>The work is to be executed with materials of the best specified and in the most substantial and workmanlike manner under the inspection of the Employer and to his satisfaction. The Contractor shall furnish, without delay, such samples as called for or may be called for by the Employer, who may reject all materials or workmanship not corresponding with the approved sample.</p> <p>The samples of materials, workmanship and finishes that the Contractor is to provide and deliver to the employer are:</p> <ul style="list-style-type: none"> - Brick sample - Fence sample
4.12.2	<p>Fabrication drawings that the contractor is to provide to the employer are:</p> <p>None</p>
4.12.3	<p>Office accommodation, equipment, accommodation for site meetings and other facilities for use by the employer and his agents are:</p> <p>OFFICE FOR FOREMAN</p> <p>Provide, erect, maintain and remove at completion a suitable temporary office for the Contractor or his Foreman, perfectly secured, lighted and ventilated and having a desk with drawers.</p> <p>TELEPHONE</p> <p>The Contractor shall provide a telephone on the site for the use of the Contractor and all Sub-Contractors for the duration of the Contract, and must make the necessary application for connection, give all notices and pay all fees, rentals and charges for the service and also for all calls.</p> <p>OFFICE FOR INSPECTOR OF WORKS</p> <p>Provide, erect, maintain and remove at completion a suitable temporary office for the Engineer, perfectly secured, lighted and mechanically ventilated (air-conditioned) and having a desk with drawers.</p> <p>TELEPHONE IN OFFICE FOR INSPECTOR OF WORKS</p> <p>N/A</p>

	SHED
	Provide, erect, maintain and remove at completion, ample temporary sheds for the proper storage of materials and for the use of the workmen, and remove when no longer required.
4.14.6	The requirement for provision and erection of signboards are:
	Supply, erect, maintain and remove at completion a painted notice board, size overall 2800 x 2345 mm high sign written to detail as Drawing No. T9506 which drawing is available from offices of the Department of Public Works. Only the official notice board is to be displayed on the site and no Sub-Contractor's boards will be permitted. The Contractor, at his own cost, may provide a board on which all sub-contract firms' names may be sign written. The notice board is to be to the approval of the Employer and is to be maintained in first class condition and placed where directed at the entrance to the site and remain there for the duration of the Contract.
4.17.1	Requirement for the termination, diversion or maintenance of existing services:
	Should the Contractor come in contact with any underground cables or pipes during excavations, immediate notification must be made to the Employer and all work in the vicinity of such cables, pipes, etc., shall cease until authority to proceed has been obtained from the Employer. Should the Contractor damage underground cables or pipes resulting in a disruption of services to an existing institution such damage shall be repaired immediately.
4.17.3	Services which are known to exist on the site:
	The Contractor is to prove all known services and keep accurate records of all proven services.
4.17.4	Requirement for detection apparatus
	None
4.18	ADDITIONAL HEALTH AND SAFETY REQUIREMENTS ARE:
	<p>By the submission of a tender, any Tenderder will, if awarded the contract to which this tender document relates, be deemed to be the mandatory as envisaged by Section 37 (2) of the Act. As a mandatory the successful Tenderder will be deemed to be the "principal contractor" and an employer in his/her/their own right with duties as prescribed in the Act and accordingly will be deemed to have agreed to be solely responsible for ensuring that in connection with the service to which this tender document relates, all work will be performed and machinery and plant used in accordance with the Act. Should the Contractor, for whatever reason be unable to perform as required by the Act, the Contractor undertakes to inform the Employer accordingly.</p> <p>Tenderders are advised that it is a Condition of this Tender that a 'Construction Phase Safety, Health and Environmental Plan' specifically relates to the project for which tenders are being submitted and must be prepared by the Tenderder and submitted with the other tender documents at the time of tender. Failure to do so Tenderders are therefore advised to study the 'Construction Safety, Health and Environmental Specification' which is issued as part of this tender document, the Model Preambles to Trades - 2008, any project Specification included in this tender document and any and all drawings which are referred to and issued as part of this tender document before preparing their own project specific 'Construction Phase Safety, Health and Environmental Plan'. Tenderders are also advised that such a plan which is submitted with a tender but is incomplete or considered inadequate by the Employer or his Representative will invalidate the tender.</p> <p>The Contractor will be deemed to have satisfied himself with his obligations in terms of the Act and to have allowed for all costs arising from compliance with the Act as no claim for extra costs arising from compliance with, and obligations in terms of the Act will be entertained.</p>
4.22	WORK BY NOMINATED AND SELECTED SUBCONTRACTORS COMPRISE:
	[Provide list of applicable contractors]

C3.2 - SPECIFICATION FOR HIV/AIDS AWARENESS

1 Scope

This generic specification contains requirements applicable to the reduction of the risk of transfer of the HIV virus between and among construction workers and the local community through the following four strategies:

- a) raising awareness about HIV/AIDS;
- b) providing construction workers with access to condoms;
- c) HIV counselling, testing and referral services; and
- d) Sexually Transmitted Infection diagnosis and treatment.

2 Normative references:

The following standard contains provisions that, through reference in this text, constitute provisions of this standard:

SANS 4074 ISO 4074, *Condom Rubbers*

3 Definitions and Abbreviations

3.1 Definitions

Construction Worker: all persons in the employ of the contractor or in the employ of any of the subcontractors contracted by the contractor.

Local Community: the communities local to the site which are most likely to have contact with the construction worker and, in particular, sex workers in those communities.

Service provider: the natural or juristic person recognised by the South African Department of Health as specialist in conducting Aids Awareness Programmes.

3.2 Abbreviations

STI: Sexually transmitted infection

HIV: Human Immunodeficiency Virus

AIDS: Acquired Immune Deficiency Syndrome

4 Objectives

The objectives are to:

- a) reduce the risk of transfer of the HIV virus between and among construction workers and the local community;
- b) raise awareness amongst construction workers and the local community of the risk of infection with the HIV virus;
- c) promote early diagnosis; and
- d) assist affected individuals to access care and counselling.

5 Requirements

5.1 General requirement

The contractor shall, in order to satisfy the objectives stated in 4:

- a) make condoms complying with the requirements of SABS ISO 4074 available to all construction workers at readily accessible points on the site, suitably protected from the elements, for the duration of the contract;
- b) either place and maintain HIV/AIDS awareness posters of size of not less than A1 in areas which are highly trafficked by construction workers, or provide construction workers with a pamphlet, in languages largely understood by construction workers, which
- c) encourage voluntary HIV/STI testing;
- d) provide information concerning counselling, support and care of those that are infected services; and
- e) comply with the requirements of 5.2.

The provisions of 5.1 c) and d) do not apply to this contract.

5.2 HIV awareness programme

5.2.1 The contractor shall:

- a) engage a qualified service provider as described in the scope of works to conduct an HIV Awareness Programme which is structured to achieve the outcomes stated in 5.2.3 for contract workers as soon as a construction workers camp is established and populated or, where no such camp is established, within two weeks of the commencement of a significant portion of the works and at subsequent intervals, if any, provided for in the scope of works; and
- b) arrange for, provide a suitable venue, and instruct all construction workers to attend the HIV Awareness Programme and notify the Employer's Representative of the date, time and venue whenever a session with construction workers is conducted.

Note: The National Department of Public Works maintains a list of qualified service providers.

5.2.2 The contractor shall do nothing to dissuade construction workers from attending such an HIV Awareness Programme and shall take all reasonable steps to ensure that a minimum of 90% of construction workers engaged in the works attend such a programme, when it is conducted.

5.2.3 The outcomes of the HIV Awareness Programme shall as a minimum, result in contract workers exposed to such a programme being able to:

- a) communicate the existence of problems of HIV and be able to outline the consequences of transmission of HIV to or from the local community;
- b) recall and communicate the mode of HIV transmission and preventative measures including the proper use of the condom.

The HIV/ Aids awareness programme described in 5.2 is to be repeated at four month intervals throughout the duration of the contract. (Four times in total, including the initial one at the start of the contract)

5.3 Reporting

- 5.3.1** The contractor shall prepare and attach to his claims for payment a brief report which outlines how the actions taken by the contractor in the period for which payment is claimed satisfy the requirements and a schedule which lists the names, identity numbers, trade / occupation and name of employer of all construction workers exposed to the programme (see **HIV/STI Compliance Report**).
- 5.3.2** The employer's representative shall certify the report and schedule described in 5.3.1 whenever a claim for payment is issued to the employer.

Note: In the event that the contractor fails to satisfy the requirements of this specification, the employer (Head: Public Works) may apply any of the sanctions provided for in the contract. Sanctions may include the application of a financial penalty of .04% of the Contract Sum.

The *HIV /Aids* awareness programme described in 5.2 shall in addition *be conducted* for the benefit of the local community on two occasions in the community centre nearest to the building site. The contractor shall be *responsible* for inviting identifiable community-based *institutions and organisations, churches, and schools to participate in the programme.*

C3.3 - HIV/STI COMPLIANCE REPORT

Pro-forma reporting format in terms of the SPECIFICATION FOR HIV/AIDS AWARENESS

Project Code:

WIMS 066058

Payment Claim number:

Period covered by payment claim:

1. Distribution of condoms (briefly describe where and how condoms are distributed).

2. Posters / pamphlets (briefly describe where posters were placed / how pamphlets were distributed).

3. Voluntary testing (briefly describe the actions taken / information provided to promote testing).

4. Counselling, support and care (summarise information provided).

5. HIV awareness programme (briefly describe action).

[illegible]

For Contractor:

Date: _____

Date: _____



DEPARTMENT OF HEALTH: DRIEFONTEIN CLINIC: UPGRADE OF SEWER TREATMENT PLANT

PART C4. SITE INFORMATION

C4.1 SITE INFORMATION

GCC FOR CONSTRUCTION WORKS (2 Edition of 2010)

Project title:	DEPARTMENT OF HEALTH: DRIEFONTEIN CLINIC: UPGRADE OF SEWER TREATMENT PLANT		
Tender No.	ZNTL04204W	Project Code:	WIMS 066058

C4.1 Site Information

C4.1 GENERAL

- (a) Driefontein Clinic is situated in the Alfred Duma Local Municipality, within the uThukela District Municipality, Kwazulu Natal.
- Directions to the facilities : Follow N3 towards Ladysmith town, turn onto N11 towards Ladysmith town and then follow road information signage to Driefontein Clinic. The site encompasses the a Main clinic facility and staff residences. GPS Co-ordinates for the site are 28°20'36.3"S 29°42'09.7"E.
- The site is a fully occupied and operational Health institution with pedestrian and vehicular commuters utilising the facility. Most of the works will be constructed in restricted spaces and the Contractor is to ensure that rates allow for this. The site is generally confined within the facilities boundaries with minor exceptions where tie-in points and road access will be located outside the perimeter confines.

C4.2 GEOTECHNICAL INVESTIGATION REPORT

- (a) The Geotechnical Report undertaken for this Project as been included as Annexure 8 in this document.

C4.3 SITE LOCALITY PLAN





DEPARTMENT OF HEALTH: DRIEFONTEIN CLINIC: UPGRADE OF SEWER TREATMENT PLANT

PART C5 - DRAWINGS / ANNEXURES

C5.1 - LIST OF DRAWINGS/ANNEXURES

DEPARTMENT OF HEALTH: DRIEFONTEIN CLINIC: UPGRADE OF SEWER TREATMENT PLANT

Tender No.:	ZNTL04204W	Project Code:	WIMS 066058
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The following drawings/annexure's shall be issued during the Tender period to form part of the tender documentation. Where applicable, drawings/annexure's could be re-issued to the Contractor at commencement of the construction phase.

DRAWING NO

DESCRIPTION

Civil Drawings	
484/900	Bulk Sewer Reticulation Layout
484/901	Bulk Sewer Long-sections
484/902	Sewer Manhole – Channelling Details
484/903	Sewer Ring Manhole and Details
484/904	Bulk Water Reticulation Layout
484/905	Roadway Layout
484/906	Standard Details
Structural Drawings	
484/300	Polyethylene Water Tank Support Structure
484/300a	Specifications
484/301	CBD Detention Tank Structural Layout and Details
484/302	CBD Detention Tank Sections and Details
484/304	Rectangular Steel Water Storage Tank Support Structure
Electrical Drawings	
S1079_S01	Main LV Kiosk SLD
S1079_S02	MCC Schematic Drawing - Potable Water System
S1079_S03	MCC Schematic Drawing - CBD Treatment Plant
S1079_S04	Electrical Site Reticulation

ANNEXURES

Annexure 1	Amendments to the Standard Specifications
Annexure 2	General Electrical Specifications
Annexure 3	Map of Tender submission location
Annexure 4	Joint Venture Agreement
Annexure 5	Health and Safety Specification
Annexure 6	Health and Safety Bill of Quantities
Annexure 7	Builders Lien Agreement
Annexure 8	Geotechnical Investigation Report
Annexure 9	EPWP Employment Contract
Annexure 10	Attendance Register - Infrastructure and Other projects
Annexure 11	EPWP Data Collection tool for Phase 3 system
Annexure 12	Monthly Data, Worker Payment and Worker Training Capture Form



KWAZULU-NATAL PROVINCE
PUBLIC WORKS
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF HEALTH: DRIEFONTEIN CLINIC: UPGRADE OF SEWER TREATMENT PLANT

ANNEXURES



DEPARTMENT OF HEALTH: DRIEFONTEIN CLINIC: UPGRADE OF SEWER TREATMENT PLANT

ANNEXURE 1

AMENDMENTS TO THE STANDARD SPECIFICATIONS

PROJECT SPECIFICATIONS

PREAMBLE

The Project Specification, consisting of three parts, forms an integral part of the contract and supplements the Standard Engineering Specifications.

Part 1 Contains Additional Project Specifications further to Part C3.1 of the Tender Document..

Part 2 Amendments and additions to the Standard Engineering Specifications

Part 3 Particular Specifications.

In the event of any discrepancy between a part or parts of the Standard or Particular Specifications and the Project Specification, the Project Specification shall take precedence. In the event of a discrepancy between the Specifications, (including the Project Specifications) and the drawings and / or the Bill of Quantities, the discrepancy shall be resolved by the Engineer before the execution of the work under the relevant item.

PART 1 ADDITIONAL PROJECT SPECIFICATIONS

PS.1 ACCOMMODATION OF TRAFFIC

PS.1.1 General

The Contractor shall make provision for accommodating all pedestrian and vehicular movement in the area of the works. Allowance shall be made in the relevant rates for any barricades and signs required. Accommodation of traffic, where applicable, shall comply with SANS 1921-2 : 2004 : Construction and Management Requirements for Works Contracts, Part 2 : Accommodation of Traffic on Public Roads occupied by the Contractor. The Contractor shall obtain this specification from Standards South Africa if accommodation of traffic will be involved on any part of the construction works.

Clause 4.10.4 of SANS 1921-2 : 2004 shall be replaced with the following :

“Road signs and markings shall comply with the requirements of SANS 1200 MM and / or The South African Road Traffic Signs Manual - Volume 2 : Roadworks Signing”.

PS.1.2 Basic Requirements

The travelling public shall have the right of way on roads, and the Contractor shall make use of approved methods to control the movement of his equipment and vehicles so as not to constitute a hazard on the road.

The Contractor shall ensure that all road signs, barricades, delineators, flagmen and speed controls are effective and that courtesy is extended to the public at all times.

Failure to maintain road signs, warning signs or flicker lights, etc, in a good condition shall constitute ample reason for the Engineer to suspend the work until the road signs, etc, have been repaired to his satisfaction.

The Contractor may not commence constructional activities affecting existing roads before adequate provision has been made to accommodate traffic in accordance with the requirements of this document and the South African Road Traffic Signs Manual.

The Contractor shall construct and maintain all temporary drainage works necessary for temporary deviations. The Contractor shall ensure that the existing property accesses are maintained at all times. Where necessary the Contractor shall make allowance in the rates for completing the work required to the accesses out of normal hours.

PS.1.3 Traffic Safety Officer

Where warranted by traffic conditions on or near the site, the Contractor shall nominate a suitable member of his staff as traffic safety officer to be responsible for the arrangement and maintenance of all the measures for the accommodation of traffic for the duration of the project. Duties of the traffic safety officer shall be in compliance with the Occupational Health and Safety Act 1993 and the Construction Regulations 2003.

PS.1.4 Payment

The Contractor's tendered rates for the relevant items in the Bill of Quantities shall include full compensation for all possible additional costs which may arise from this, and no claims for extra payment due to inconvenience as a result of the *modus operandi* will be considered.

PS.1.5 Pedestrian movement

The Contractor shall make provision for accommodating all pedestrian movements in the area of the works. Allowance shall be made in the relevant rates for any barricades and signs required.

PS.1.6 Temporary Reinstatement

Provided always that if in the course or for the purpose of the execution of the works or any part thereof any road or way shall have been broken up, then notwithstanding anything herein contained:

- (a) if the permanent reinstatement of such road or way is to be carried out by the appropriate authority or by some person other than the contractor (or any subcontractor to him), the contractor shall at his own cost and independently of any requirement of or notice from the Engineer be responsible for the making good of any subsidence or shrinkage or other defect, imperfection or fault in the temporary reinstatement of such road or way, and for the execution of any necessary repair or amendment thereof from whatever cause the necessity arises, until the end of the period of maintenance in respect of works beneath such road or way until the authority or other person as aforesaid shall have taken possession of the site for the purpose of carrying out permanent reinstatement (whichever is the earlier), and shall indemnify and save harmless that Council against and from any damage or injury to the Council or to third parties arising out of or in consequence of any neglect or failure of the Contractor to comply with the foregoing obligations or any of them and against and from all claims, demands, proceedings, damages, costs, charges and expenses whatsoever in respect thereof or in relation thereto.
- (b) where the authority or person as aforesaid shall take possession of the site as aforesaid in sections or lengths, the responsibility of the contractor under paragraph (a) of this subclause shall cease in regard to any such section or length at the time possession thereof is so taken, but shall during the continuance of the said period of maintenance continue in regard to any length of which possession has not been taken and the indemnity given by the contractor under the said paragraph shall be construed and have effect accordingly.

PS.2 STORMWATER

Minor works will be required. These include :

- Construction of new stormwater manholes and stormwater inlets
- Construction on stormwater pipework
- Construction of stormwater open channels and earth channels

PS.2.1 Blockage Stormwater

The Contractor shall be responsible for ensuring that cementitious sludge, sand and rubble from the works do not enter the stormwater reticulation system. The Contractor shall be liable for any costs incurred by the Employer or others as a result of blockages in the reticulation system attributed to failure to comply with the above requirement.

PS.3 ELECTRICAL PLANT

Tenderers are to read this clause in conjunction with Clauses PS.2 and PS.5.

PS.3.1 General

Various types of electrical cables including high voltage, low voltage, street lighting and domestic connection cables are affected by the contract. Close liaison will therefore be necessary throughout the contract. Any damage to these will be for the account of the contractor

PS.3.2 Street Lighting

The existing lighting shall remain. It is a requirement that the street lighting be operational at all times, and care shall be taken when working in the vicinity of these cables. Any damage to these will be for the account of the contractor

PS.3.3 MV / LV Cables

Certain M.V, L.V. cables will be required to be protected from the works. Any damage to these will be for the account of the contractor.

PS.3.4 Relocation of Existing Services

Should it be necessary to adjust the line, level and / or position of any service not catered for in the contract to enable the construction to proceed the Contractor shall on no account effect such adjustment himself but shall notify the Engineer who will arrange for the work to be carried out at no cost to the Contractor.

PS.4 TELKOM S.A. LIMITED PLANT

The tenderers attention is drawn to the fact that Telkom cables exist in the contract area. Any damage to these will be for the account of the contractor

PS.5 MANAGEMENT OF THE ENVIRONMENT

The Contractor shall pay special attention to the following:

PS.5.1 Natural Vegetation

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

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

PS.5.2 Fires

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

PS.5.3 Environmental Management Plan

In addition to the above, all requirements according to the Environmental Management Plan as detailed in C3.3, Particular Specifications, will be adhered to.

PART 2 AMENDMENTS TO THE STANDARD SPECIFICATIONS

INTRODUCTION

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

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

PS.C SITE CLEARANCE

PSC REF.	SABS 1200C	SITE CLEARANCE (As applicable to SABS 1200 C)
	1.	SCOPE This specification covers the removal of vegetation, boulders of size up to 0.15m ³ , surface obstructions and removal of structures, not directly associated with or incidental to any excavation.
2	3.	MATERIALS
2.1	3.1	Disposal Of Material Add the following :- "The Contractor shall make his own arrangements for disposal of material".
3	5.	CONSTRUCTION
3.1	5.1	Areas To Be Cleared And Grubbed Clearing is required along the new fence line and roadway verges
3.2	5.3	Clearing Add the following new Sub-Clause
3.2.1	5.3.1	Remove and Replace Fence (New Sub-Clause) Where the stormwater pipelines route crosses an existing fence, a section of fencing not exceeding 10m in length shall be temporarily removed for the construction of the pipeline. The fencing shall be reinstalled to original condition immediately the pipeline is backfilled in the vicinity of removed fence. The contractor shall erect a temporary fence at the end of each day's operations over the section of the removed fence.
3.3	5.5	Reclear Surfaces The Contractor shall clear areas prior to commencing construction in the specific area. Consequently reclearing will not be paid for and the costs of reclearing will be to the Contractors account.
4.	8	MEASUREMENT AND PAYMENT
4.1	8.2.1	Clear and Grub Add the following new Sub-Clause : The payment width for trenches shall be the minimum base widths as stipulated in clause PSDB 3.4. The payment area for structures shall be the nett concrete plan foundation as per clause PSDB 3.5.
4.2	8.2.9	Transport materials and debris to unspecified dump sites and spoil Delete the Sub-Clause and substitute: "The Contractor shall make his own arrangements for disposal of material at his own cost and is deemed to be included for in rates tendered".

PSC REF.	SABS 1200C	SITE CLEARANCE (As applicable to SABS 1200 C)
4.3	8.2.10	Replace Clause: - Remove topsoil to a nominal depth of 150mm and stockpile With the following :- Remove topsoil to a nominal depth of 150mm, stockpile, maintain and reinstate topsoil (100mm) along route of

PS.DA EARTHWORKS (SMALL WORKS)

PS DA REF.	SABS 1200DA	EARTHWORKS (Small Works) (As Applicable to SABS 1200 DA)
1	3	MATERIALS
1.1	3.2.1	Embankments & Backfill Embankment material shall be compacted to 90% modified AASHTO density.
1.2	3.3	Backfilling and Embankments Add new Sub-Clause: Sufficient material arising from excavations for structures, foundations, footing and the like and which is suitable for forming embankments and backfilling against finished structures shall be temporarily stockpiled in the vicinity of the structures. All other material from the excavations shall be disposed of as directed by the Engineer.
2	4	PLANT
2.1	4.3	Compaction Plant Add new Sub-Clause: Where plant is used for applying the dynamic load, controlling the moisture content and grading or mixing shall be capable of achieving the compaction specified using the material available for the construction of the works
3	5	CONSTRUCTION
3.1	5.1.1	Barricading and Lighting (Refer SANS 1921-1 Clause 4.18.2 and 4.18.3) Delete the Sub-Clause and substitute: Without limiting any obligation which the Contractor may have in terms of any Act, Ordinance or other legislation, the Contractor shall ensure that all excavations which are accessible to the public or which is adjacent to a public road or thoroughfare, or by which the safety of persons may be endangered are protected as set out in clause 13 of the General Safety Regulations of the Occupational Health and Safety Act, 1993 and that watchmen are employed to ensure that barricades, barriers and lights are effective at all times. Trench excavations shall be protected by means of at least two horizontal double sided 'red/white: chevron tapes approved by the Engineer. The tapes shall be stretched tightly between supports along both sides and ends of the excavation at levels approximately 0,45m and 1, 12m above the ground. The supports shall consist of poles or iron standards securely planted in solid ground at not more than 10m centres so as to enclose the spoil and the excavations Bridges for vehicles and/or pedestrians shall be provided along the route of the work as and where may be considered necessary by the Engineer. They shall consist of a number of suitably sized steel plates laid across open excavated trenches. They shall be protected on each side by a stout two rail time fence, at least 1 m high, consisting of 150 x 75mm time verticals set

PS DA REF.	SABS 1200DA	EARTHWORKS (Small Works) (As Applicable to SABS 1200 DA)
		<p>firmly into the ground, 75mm x 50mm rails securely fastened to them. At least 4 lamps or reflective markers must be provided at each crossing.</p> <p>Where construction is in, or across, public roads the barricades or barriers and temporary road signs shall be erected. All such signs and positioning thereof shall comply with the requirements set out in Road Note 13 read in conjunction with the SA Road Traffic Signs Manual.</p>
3.2	5.1.1.2	<p>Safeguarding of Excavations (Refer SANS 1921-1 Clause 4.18.3)</p> <p>In sub-clause a) delete the words "Machinery and Occupational Safety Act" in the third and forth lines and substitute "regulations to the Occupational Health and Safety Act, 1993"</p>
3.3	5.1.3	<p>Existing Services (Refer SANS 1921-1 Clause 4.17)</p> <p>Add to the Sub-Clause:</p> <p>All existing services on the site may not be shown on the Drawings or be visible on the site. The Engineer may order excavation by hand in order to search for and expose services. An item has been included in the Bill of Quantities to cover the cost of such work if so ordered by the Engineer.</p> <p>Where a service is damaged because of the Contractor's negligence, he shall be liable for the costs involved in the repair of the service and any other costs consequent upon the interruption of the damaged services.</p>
3.4	5.1.5	<p>Excessive Pollution (Refer SANS 1921-1 Clause 4.19)</p> <p>Add the words "noise and", before the word "dust" in the first line.</p>
3.5	5.1.6	<p>Excavated Material Not to Endanger or Interfere (Refer SANS 1921-1 Clause 4.10)</p> <p>Delete the last sentence and substitute:</p> <p>"All material that is unsuitable or not required for backfilling shall be disposed of within the Project Area and spread. No additional payment will be made for these activities."</p>
3.6	5.1.8	<p>Road Traffic Control</p> <p>Delete from the third and fourth lines and words "and such barricades and warning lights as are ordered" and add:</p> <p>An item has been included in the Bill of Quantities to cover the relevant costs.</p>
3.7	5.2.1	<p>Site Preparation</p> <p>Delete the last sentence and substitute:</p> <p>"Material so removed shall be disposed of by the Contractor to Sites designated by the Engineer".</p>
3.8	5.2.2	<p>Excavation (Refer SANS 1921-1 Clause 4.10)</p>

PS DA REF.	SABS 1200DA	EARTHWORKS (Small Works) (As Applicable to SABS 1200 DA)
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Add to the Sub-Clause:

(h) Where outside shuttering is ordered by the Engineer. the excavations shall be carried out for an extra width of not more than 600mm all around the structure, measured from the base of the face to be shuttered. to allow for the shuttering to be fixed. this extra excavation and refilling where necessary is to be measured and paid for under quantities allowed for this purpose in the Schedule. Outside shuttering shall be used for the construction of all major structures unless ordered otherwise by the Engineer.

(i) Where permanent concrete is to be placed against an excavated face. the excavation shall be trimmed to ensure that there is no projection greater than 20mm protruding into the excavation profile.

(j) The Contractor shall not spoil, waste or stockpile excavated material without approval.

3.9	5.2.3.1	<p>Embankments</p> <p>In the thirteenth line delete "600mm" and substitute "300mm" In the sixteenth line delete "300mm" and substitute "150mm" Delete the nineteenth line and substitute the following: Each layer shall be compacted to achieve 90% modified AASHTO density except where indicated otherwise on the Drawings</p>
3.10	5.2.3.2	<p>Restricted Backfill and Compaction at Structures</p> <p>Delete the eighth and ninth lines and substitute: Not exceeding 200mm and compacted by means of mechanical tampers to achieve a 90% modified AASHTO density except where indicated otherwise on the Drawings.</p>
3.11	5.2.5.2	<p>Topsoiling</p> <p>Delete the wording of Sub-Clause 5.2.5.2 and replace with the following:</p> <p>Where scheduled, topsoil shall be placed on all surfaces and on embankments and shall be lightly compacted by wheeled vehicles or by tamping, and trimmed neatly to the required lines grades and levels. The final thickness of topsoil after compaction shall be at least 100mm. Prior to topsoiling, the surfaces to be topsoiled shall be prepared by pulling horizontal ruts into the soil with the tines of a front-end loader or other suitable method to retard erosion of the topsoil</p>
3.12	5.2.5.3	<p>Grassing</p> <p>In addition to complying with the requirements of this Subclause the Contractor shall comply with Particular Specs PG (according to the type of grassing scheduled) :</p>
3.13	5.2.6.1	<p>Freehaul</p> <p>Delete the wording of Sub-Clause 5.26.1 and replace with the following:</p>

PS DA REF.	SABS 1200DA	EARTHWORKS (Small Works) (As Applicable to SABS 1200 DA)
		All haul will be regarded as freehaul. No overhaul will be paid under this contract.
3.14	5.5.6.2	Overhaul
		Delete the Sub-Clause:
4	6	TOLERANCES
4.1	6.3	Excavation by Mechanical Means
		Add to the Sub-Clause:
		Where bulk excavation is carried out by earthmoving equipment, such excavation will only be allowed to within a level of 300mm, or less as ordered by the Engineer, above the general level to which the ground has to be reduced, the balance of the bulk excavation being carried out by hand or by other means approved by the Engineer.
5	7	TESTING
5.1	7.1	Tests to the Contractors Account
		The Contractor shall make arrangements with a soils testing laboratory to undertake the following tests and to pass the test results to the Engineer. The costs of such tests shall be included in the rates tendered for the appropriate item in the Bill of Quantities.
		a) <i>Material imported from outside the Contract Site as working surfaces, subgrade improvement or for fill material</i>
		One CBR and indicator test per 200m ² of compacted material brought on site, (river sand will normally be exempted from this requirement). A sample and one CBR and indicator test of the material proposed for importation shall be submitted to the Engineer for approval prior to the commencement of importation.
		b) <i>Fill material in place</i>
		One density and moisture content per 100m ² of compacted fill
		c) <i>Compacted subgrade or finished level</i>
		One density and moisture content per 100m ² of compacted surface area.
		Should any of the above density tests fail to comply with the specified requirements, the Contractor shall at his own expense remedy the failure and submit a new test to the Engineer.
5.2	7.2	Determination of Compaction
		Add to the Sub-Clause:
		Determination of the standard of compaction achieved shall be carried out in accordance with Standard methods of testing road construction materials

PS DA REF.	SABS 1200DA	EARTHWORKS (Small Works) (As Applicable to SABS 1200 DA)
		published by the Department of Transport Division of National Roads, Publication TMH.1.
5.3	7.2 a)	<p>Tests at the Employer's Request (New Sub-Clause)</p> <p>Where CBR, indicator tests and the like are required on materials from within the Contract Site the Contractor shall also make arrangements with a soils testing laboratory to undertake these tests, the costs of which have been allowed for in the Bill of Quantities as a provisional sum. Payment for such tests will be per sample tested and reported to the Engineer.</p>
6	8	MEASUREMENT AND PAYMENT
6.1	8.1.1	<p>Basic Principles</p> <p>Delete the third line of the first sentence and substitute:</p> <p>"material in backfilling, forming embankments, etc., including any necessary additional offloading, stock-piling and reloading and the cost of disposal of any"</p> <p>In the seventh line delete "Drawing DA-2" and substitute "Fig DA-2"</p>
6.2	8.1.2	<p>Basic Principles</p> <p>Delete the first line of the first sentence and substitute:</p> <p>"Excavations which are required to be backfilled, or partially backfilled, will be measured as if taken out"</p> <p>Delete the fifth and sixth lines and substitute:</p> <p>"other such structures, the volume will be measured from the finished outline of the concrete, or the blinding to the concrete (as the case may be), as shown on the Drawings.</p>
6.3	8.1.3	<p>Basic Principles</p> <p>Delete the third line and substitute:</p> <p>"will be measured as part of the bulk excavation or restricted excavation, as applicable".</p>
6.4	8.3.1(a)	<p>Excavation</p> <p>Add to the Sub-Clause:</p> <p>Where removal to greater depths is ordered, the area measured for payment will unless otherwise scheduled, be increased pro rata to the average increase in depth.</p>
6.5	8.3.1(b)	<p>Excavation</p> <p>Drawing DA-1 in the third line to read "Fig DA-1"</p> <p>Delete the third line of the second sentence and substitute:</p>

PS DA REF.	SABS 1200DA	EARTHWORKS (Small Works) (As Applicable to SABS 1200 DA)
		"-ation, offloading to stockpile, stockpiling and reloading as may be necessary, spreading or backfilling, compacting and watering"
6.6	8.3.1(c)	Excavation "Drawing DA-1" in the last line to read "Fig DA-1"
6.7	8.3.2(a)	Restricted Excavation Drawing DA-2 in the fourth line to read "Fig DA-2"
6.8	8.3.4	Importation of Materials Delete the last five lines and substitute:
6.9	8.3.4.1	for embankment construction The rate shall cover the cost of royalties (if any) and acquiring suitable material, loading, transporting with freehaul distance, unloading, spreading in layers not exceeding 150mm thick, watering, compacting to 90% Mod AASHTO density, trimming slopes of embankment to required outline all in accordance with the Specifications. The rate shall also include for carrying out density testing and the disposal of any surplus material.
6.10	8.3.4.2	for backfilling around structures The rate shall cover the cost of royalties (if any) and acquiring suitable material. loading, transporting with freehaul distance, unloading, and spreading in layers not exceeding 150mm thick, watering. compacting to 90% Mod AASHTO density, trimming upper surfaces to the required outline all in accordance with the Specifications.
6.11	8.3.9	Additional Compaction (New Sub-Clause) Where so scheduled additional compaction over that required to achieve 90% Mod AASHTO density in order to achieve the scheduled higher density shall be paid for by the volume so compacted Unit m ³ The rate shall include for all additional plant, labour and materials necessary to achieve the additional compaction scheduled.
6.12	8.3.10	Survey of Surrounding Structures before Blasting (New Sub-Clause) The rate shall cover the cost to examine and measure up any buildings, houses or structures in the vicinity of the proposed blasting and establish and record together with the owners thereof the extent of cracking or damage that may exist before commencement of blasting operations.
6.13	8.3.11	Photographic Record (New Sub-Clause) The rate shall cover the cost of providing a photographic record of neighbouring structures before blasting commences.

PS.DB EARTHWORKS (PIPE TRENCHES)

PS DB REF.	SABS 1200DB	EARTHWORKS (Pipe Trenches) (As Applicable to SABS 1200 DB)
1.	1.	<p>SCOPE</p> <p>Add the following :-</p> <p>“Excavation for manholes, headwalls and associated pipe works are also covered by this section.</p>
2.		MATERIALS
2.1	3.1	<p>Classes of Excavation</p> <p>The provision of PSD 2.1 shall apply.</p>
2.2	3.5	<p>Backfill Materials</p> <p>Add the following :</p> <p>“c) The Contractor shall take positive steps to avoid burying or contaminating material which would be suitable for use as backfill as described in a) and b)”. </p>
2.3	3.6	<p>Materials for Reinstatement of Roads and Paved Areas</p> <p>Delete the Sub-Clause and substitute:</p> <p>Material used in the reinstatement of roadways shall fall into the following relevant categories:</p> <p>(a) Foundation material recovered from the excavation of trenches across existing roadways, which, if so instructed by the Engineer, shall be set aside and re-used as fill material.</p> <p>(b) New material, which shall conform to the requirements of:</p> <p>(i) Clause 3.2.1 of SABS 1200 ME for the Subbase, new 150mm G5 layer compacted to 95% MOD AASHTO</p> <p>(ii) Clauses 3.2 and 3.3 of SABS 1200 MF for the basecourse, new 150mm G2 layer compacted to 100% MOD AASHTO</p> <p>(iii) Clause 3.2.2 of SABS 1200 ME for the Gravel Subgrade, new 150mm G5 layer compacted to 93% MOD AASHTO</p> <p>(iv) Clause 3 of SABS 1200 MH for the asphalt surfacing, new 50mm continuously graded, TRH8, coarse medium grade, 70/50 PEN binder to 96% Marshall Density</p>
3		CONSTRUCTION
3.1	5.1.2.3	<p>Sloping Ground</p> <p>Delete the Sub-Clause and substitute:</p> <p>The Contractor shall be responsible throughout the duration of the Contract, inclusive of the Defects Liability Period, for the provision of all soil erosion preventative measures necessary to protect the trenches, pipeline(s) and land utilised by the Contractor during the Contract from any adverse effects of soil erosion, settlement, scour, etc., resulting from the construction of the Works.</p>

PS DB	SABS	EARTHWORKS (Pipe Trenches)
REF.	1200DB	(As Applicable to SABS 1200 DB)

Cross embankments, generally extending across the full width of the working strip, consisting of low earth mounds shaped to rounded form and so oriented as to have a fall of 1% along their length, shall be constructed with compacted material having a minimum density of 90% modified AASHTO density and minimum dimensions and maximum spacings dependent on the slope of the ground along the length of the pipeline, as indicated in the following table:

Slope of Ground	Minimum Height	Minimum Base Width	Maximum Spacing
0%-2%	No cross-embankments required		
2% - 5%	300 mm	1,2 m	55m
5% - 10%	300 mm	1,2 m	40 m
10%-15%	375 mm	1,5 m	30m
Greater than 15%	450 mm	1,7m	20 m

The height of the cross-embankments for a distance of 1metre on either side of the trench centreline shall be raised 150 mm above the remainder of the cross-embankment to allow for settlement. In order to form a satisfactory drainage channel upstream of each cross-embankment (at a slope of 1%) the crown over the backfilled trench shall be removed for a distance of 0,5 m upstream of the cross-embankment.

Cross-embankments shall be constructed to the same minimum standards and dimensions indicated above wherever artificial slopes have been formed on the working strip or other areas used during construction and, with the approval of the Engineer, are permitted to be so left.

Payment will be made for the construction of cross-embankments in accordance with Sub-Clause 4.2.3, provided construction thereof has been either ordered or approved by the Engineer prior to the commencement of such construction.

3.2

5.1.2.4

Cross-Walls in Trenches (New Sub-Clause)

Where ordered by the Engineer, the Contractor shall place sacks of earth as sack breakers or cross walls around and above the pipe up to ground level, prior to backfilling, as a soil erosion measure. Such sacks shall be filled with selected material free of stones in excess of 50 mm maximum dimension. One sack breaker shall consist of these sacks packed tightly against the trench bottom, pipe and actual trench sides, and against each other to form a solid cross wall at least 0,5 m thick from the bottom of the trench to the surface.

An item has been included in the Bill of Quantities to cover the cost of the supply, installation and maintenance of sack breakers.

PS DB REF.	SABS 1200DB	EARTHWORKS (Pipe Trenches) (As Applicable to SABS 1200 DB)																		
3.3	5.1.4	<p>Existing Services</p> <p>Services constructed under this contract or that which shall become redundant as a result of this contract will not be considered as existing services for payment.</p> <p>The contractor must allow for all necessary liaisons with the relevant Authorities and any delays that may be incurred due to work resulting there from is deemed to be included in rates tendered.</p> <p>Only partial payment will be made if backfill is not complete and trimmed to finished levels.</p>																		
3.4	5.2	<p>Minimum Base Width (Sub clause 5.2 and 8.2.3)</p> <p>For pipes up to 110mm external diameter laid at a depth not exceeding 1,0 metres</p> <table><tr><td>Base Width W</td><td>650mm</td></tr><tr><td>Minimum side space</td><td>250mm</td></tr></table> <p>For pipes of nominal diameter less than 300 mm, laid at depths not exceeding 1,5mm</p> <table><tr><td>Nominal diameter (mm)</td><td>150</td><td>200</td><td>225</td></tr><tr><td>Base width (mm)</td><td></td><td>600</td><td>700</td><td>750</td></tr><tr><td>Minimum side space (mm)</td><td></td><td>200</td><td>200</td><td>200</td></tr></table> <p>Note: for all other diameters, SANS 1200DB will apply</p>	Base Width W	650mm	Minimum side space	250mm	Nominal diameter (mm)	150	200	225	Base width (mm)		600	700	750	Minimum side space (mm)		200	200	200
Base Width W	650mm																			
Minimum side space	250mm																			
Nominal diameter (mm)	150	200	225																	
Base width (mm)		600	700	750																
Minimum side space (mm)		200	200	200																
3.5	5.4	<p>Excavations</p> <p>Add the following: -</p> <p>“Excavations for manholes and chambers shall be taken out simultaneously with the trench excavations to the net plan dimensions of the structure.</p> <p>The Contractor shall excavate pipe trenches progressively and will not be permitted to pass over hard sections of the excavation to proceed with soft excavation at further points along the trench.</p> <p>In no case shall the Contractor excavate more than 300m ahead of the pipe laying gang. The requirements of this clause may be relaxed as far as any road crossing are concerned, at the discretion of the Engineer...”</p>																		
3.6	5.5	<p>Trench Bottom</p> <p>Delete the following:</p> <p>“.... in the manner directed” and insert “.... in areas to be arranged by the Contractor acceptable to the Engineer”.</p> <p>Add the following:-</p> <p>“When the trench bottom is unsuitable due to waterlogged conditions, at the instruction of the Engineer, the Contractor shall excavate for and lay a crushed stone mat, the stone having a maximum particle size of 19mm.</p>																		

PS DB REF.	SABS 1200DB	EARTHWORKS (Pipe Trenches) (As Applicable to SABS 1200 DB)
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Completion of Backfilling

After the pipes have been laid, no backfilling shall be undertaken until the pipes have been inspected and approved by the Engineer. The Contractor may use his discretion as to whether to backfill around joints before the pipeline is hydraulically tested and should he decide to backfill the joints he will be responsible for the locating of any leaks and no extra payment will be made for any re-excavation and subsequent reinstatement.

3.7 5.6 Backfilling

3.7.1 5.6.2 Materials for Backfilling

Add the following:-

"The Contractor is to indicate to the Engineer if unsuitable material for Imported material for backfilling shall be obtained from designated areas or commercial sources and paid for as specified in SABS 1200 DB Clause 8.3.3.1 on written instruction from the Engineer."

4 7 TESTING

4.1 7.1 Tests to the Contractors Account

The Contractor shall arrange with a soils testing laboratory to undertake the following tests and to pass the test results to the Engineer. The costs of such tests shall be included in the rates tendered for the appropriate item in the Bill of Quantities.

a) *Material imported from outside the Contract Site as working surfaces, subgrade improvement or for fill material*

One CBR and indicator test per 200m³ of compacted material brought on site, (river sand will normally be exempted from this requirement). A sample and one CBR and indicator test of the material proposed for importation shall be submitted to the Engineer for approval prior to the commencement of importation.

b) *Fill material in place*

One density and moisture content per 100m³ of compacted fill

d) *Compacted subgrade or finished level*

One density and moisture content per 200m² of compacted surface area.

Should any of the above density tests fail to comply with the specified requirements, the Contractor shall at his own expense remedy the failure and submit a new test to the Engineer.

4.2 7.2 **Determination of Compaction**

Add to the Sub-Clause:

Determination of the standard of compaction achieved shall be carried out in accordance with Standard methods of testing road construction materials published by the Department of Transport Division of National Roads, Publication TMH.1.

PS DB REF.	SABS 1200DB	EARTHWORKS (Pipe Trenches) (As Applicable to SABS 1200 DB)
4.3	7.2 a)	Tests at the Employer's Request (New Sub-Clause) Where CBR, indicator tests and the like are required on materials from within the Contract Site the Contractor shall also make arrangements with a soils testing laboratory to undertake these tests, the costs of which have been allowed for in the Bill of Quantities as a provisional sum. Payment for such tests will be per sample tested and reported to the Engineer.
5	8	MEASUREMENT AND PAYMENT
5.1	8.1	Add the following : "The bottom of excavations for manholes and headwalls in soft ground shall be thoroughly rammed and consolidated and compacted to 95% Mod AASHTO at the Contractor's expense before any concrete is placed".
5.1.1	8.3.2	Supply, lay, joint, bed and test pipeline Replace the clause with the following: Excavation in all materials for trenches, backfilling with selected material and compaction to densities for areas subject to Traffic loads, and disposal of surplus/unsuitable material. <i>Add the following paragraph:</i> "The measured quantity of completed pipe length will only be included in the payment certificate when the pipeline has satisfied the test after the completion of the backfill to ground level - See PSLD 7.2.8. Prior to this, payment will be made as materials on site. The payment for the rate tendered will be deemed to include for backfilling"
5.2	8.3.4	PARTICULAR ITEMS
5.2.1	8.3.4 (a)	Shoring Where trenches are excavated in close proximity to structures, these lengths of trench must be adequately supported to prevent any damage to the structures. The Contractor will be held responsible for any damage to the structures resulting from subsidence of foundations or related causes which may be attributed to his negligence. It must also be noted that sites with poorly consolidated embankments will require shoring in the trenches.
5.2.2	8.3.4 (b)	Control Water Inflow Rates tendered under this item shall include for all cost for control of water to trench excavations of site. Separate items will not be detailed for different section of the work. Excavations are to be kept sufficiently dry to permit construction work to be carried out without detriment to the quality of the finished work.
5.2.3	8.3.4(c)	Cross Embankments (New Sub-Clause) Payment for cross embankments will be by volume of embankment constructed in accordance with the specification. Cross Embankments.....Unit: m ³

PS DB REF.	SABS 1200DB	EARTHWORKS (Pipe Trenches) (As Applicable to SABS 1200 DB)
5.3	8.3.7	<p>ACCOMMODATION OF TRAFFIC</p> <p>The minimum requirement for physical barriers, watching and barricading as set out in this clause must be met and shall be paid for under the relevant item of the schedule of quantities.</p>
5.4	8.3.8	<p>Erosion Protection and Rehab (New Sub-Clause)</p> <p>Fill and compact selected fill material to 90% MOD AASHTO over area to be exposed to erosion to depths specified by Engineer.</p>
5.5	8.3.9	<p>Sack Breakers (New Sub-Clause)</p> <p>Sack breakers shall be installed from the bottom of the bedding to 300 mm below finished ground level</p> <p>Sack Breakers.....Unit: m²</p>

PS.GA CONCRETE (SMALL WORKS)

PS GA REF.	SABS 1200GA	CONCRETE (Small Works) (As Applicable to SABS 1200 GA)
1.	1.	SCOPE
		This Specification covers the requirements for the structural concrete work for the proposed pump stations and small chambers and manholes.
2	3	MATERIALS
2.1	3.2	CEMENT
2.1.1	3.2.1	Applicable Specifications
		Tenders shall be based on the use of one of the following cement types, which comply with specification SABS ENV 197-1.
		(a) CEM 1 32,5 (previously known as OPC)
		(b) CEM 11/A-S 32,5 or CEM 11/A-V 32,5 or CEM 11/A-W 32,5 (previously known as PC 15)
		Extenders such as Slag or Fly Ash may only be included in concrete mixes where the cement type used is CEM 1 32,5. Where an extender is included, it shall not be used in quantities exceeding 15% of the cement content.
2.1.2	3.2.2	Storage of Cement
		Cement shall not be kept in storage for longer than 6 weeks within 10 km of the coast and not longer than 10 weeks inland.
2.2	3.4	AGGREGATES
		Aggregates from beaches and the like (No reference)
		Aggregates from beaches, dredged from the sea or river estuaries, or from cretaceous deposits, may not be used.
2.2.1	3.4.2	Use of "Plums"
		"Plums" will not be permitted.
3	4.0	PLANT
3.1	4.4	FORMWORK

PS GA REF.	SABS 1200GA	CONCRETE (Small Works) (As Applicable to SABS 1200 GA)
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3.1.1

4.4.3

Ties (Clause 4.4.3)

Ties may be left in the concrete provided they are cut back to a depth at least equal to the specified cover of the reinforcement and filled as specified below.

Holes left by the removal of ties shall be made good with a well rammed sand cement mortar of the same strength and colour when dry as the parent concrete.

4

5

CONSTRUCTION

4.1

5.1

REINFORCEMENT (Clause 5.1)

4.1.1

5.1.2

Fixing (Clause 5.1.2)

Welding of reinforcement will not be allowed.

Concrete used to make cover spacers shall be of the same grade as the parent concrete.

Wire ties around reinforcement shall not encroach on the specified cover.

4.1.2

5.1.3

Cover (Clause 5.1.3)

Delete Subclause 5.1.3 and add the following:

The cover to reinforcement shall be as follows unless specifically shown otherwise on the drawings.

SECTION	COVER mm
Foundations	60
Columns	50
Walls and Beams	40
Slabs	30

4.2

5.2

FORMWORK (Clause 5.2)

4.2.1

5.2.1

Classification of Finishes (Clause 5.2.1)

4.2.1.1

Unless otherwise specified, all formwork shall be "smooth".

4.2.2

5.2.2

Preparation of Formwork (Clause 5.2.2)

4.2.2.1

Chamfers (No reference)

Exposed edges or corners of smooth formwork shall generally be chamfered 20 x 20 mm.

4.3

5.4

CONCRETE (Clause 5.4)

4.3.1

5.4.1

Quality (Clause 5.4.1)

4.3.1.1

Durability (No reference)

PS GA REF.	SABS 1200GA	CONCRETE (Small Works) (As Applicable to SABS 1200 GA)
		The exposure condition for concrete shall be assumed "severe", and the maximum water:cement ratio in all reinforced concrete shall not exceed 0,53.
4.3.1.2	5.4.1.4	Prescribed mix concrete (Clause 5.4.1.4)
		Delete Subclause 5.4.1.4 and insert the following:
4.3.1.2.1		<u>No Fines concrete</u> (No reference)
		No fines concrete shall be composed of cement and stone in the proportions by volume of 1 part cement to 3 parts 26 mm stone and 3 parts 13 mm stone with sufficient water added for workability.
		No fines blinding shall be covered with a thin layer of coarse river sand which shall be lightly broomed into the blinding and kept damp until the concrete is cast on top. The blinding shall be kept clean at all times.
4.3.1.2.2		<u>Granolithic Concrete</u> (No reference)
		The coarse aggregate shall be hard durable cubical stone from an approved source and shall pass a 9,53 mm sieve and be retained on a 4,75 mm sieve.
		The sand shall pass a 4,75 mm sieve, not more than 20 % shall pass a 0,300 mm sieve, and not more than 5% shall pass a 0,150 mm sieve.
		The mix proportions shall be 1 cement : 1 sand : 2 coarse aggregate by mass. The cement:water ratio shall not be more than 0,45.
4.3.1.3	5.4.1.5	Strength Concrete (Clause 5.4.1.5)
4.3.1.3.1		<u>Cement Content and Aggregate Sizes</u> (No reference)
		Without relieving the contractor of his responsibilities in terms of Subclause 5.4.1.5 the minimum cement content, for durability, of the various grades of concrete shall be as stated hereunder.

PS GA REF.	SABS 1200GA	CONCRETE (Small Works) (As Applicable to SABS 1200 GA)
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CONCRETE GRADE (MPa)	MINIMUM CEMENT CONTENT (kg/m³)	NORMAL USE UNLESS OTHERWISE SPECIFIED
15	200	Mass concrete filling and blinding.
20	250	Unreinforced structures.
25	300	Low stressed reinforced structures.
30	325	Normal reinforced structures.

The normal size of coarse aggregate shall generally be 26 mm but in concrete sections less than 100 mm thick the nominal size shall be reduced to 13 mm. In mass concrete work the nominal size may be increased to 38 mm.

4.3.1.3.2 Reduction in Cement Content (No reference)

No consideration will be given to reducing the minimum cement content specified in Subclause 3.3.1.3.1.

4.3.1.4 5.4.1.6 Ready-Mixed Concrete (Clause 5.4.1.6)

The production of concrete off-site will only be allowed when this is done by an approved ready-mixed concrete company.

4.3.2 **5.4.8 Concrete Surfaces** (Clause 5.4.8)

4.3.2.1 5.4.8.2 Wood-Floated Finish (Clause 5.4.8.2)

Wood-floated surfaces shall first be given a finish as specified in Subclause 5.4.8.1 of SABS 1200 GA and, after the concrete has hardened sufficiently, the screeded surface shall be wood-floated, either by hand or machine, only sufficiently to produce a uniform surface free from screed marks.

4.3.2.2 5.4.8.2 Steel-Floated Finish (Clause 5.4.8.2)

Steel-floated surfaces shall be treated as specified in PSGA.3.3.2.1 except that, when the moisture film has disappeared and the concrete has hardened sufficiently to prevent laitance from being worked to the surface, the screeded surface shall be steel-trowelled under firm pressure to produce a dense, smooth, uniform surface free from trowel marks.

4.3.2.3 Power-Floated Finish (No reference)

Power-floated surfaces shall be treated as specified in PSGA.3.3.2.1, except that the screeded surface shall be power-floated to produce a high quality dense, smooth, uniform surface free from trowel marks.

5 **6.0 TOLERANCES** (Clause 6.0)

5.1 6.4 PERMISSIBLE DEVIATIONS (Clause 6.4)

Unless otherwise specified, all concrete shall be constructed to Degree of Accuracy II.

PS GA REF.	SABS 1200GA	CONCRETE (Small Works) (As Applicable to SABS 1200 GA)
6	8.0	MEASUREMENT AND PAYMENT (Clause 8.0)
6.1	8.1	MEASUREMENT AND RATES (Clause 8.1)
6.1.1	8.1.3	Concrete (Clause 8.1.3)
6.1.1.1	8.1.3.1	Concrete to Overbreak (Clause 8.1.3.1)
		No allowance will be made for concrete required to make up overbreak in rock material and to make up over excavation in material other than rock. The rate for concrete cast against the ground shall include for any such make up.
6.1.1.2		No-Fines Blinding (No reference)
		The cost of sand broomed into no-fines blinding shall be included in the rates for no-fines blinding.

PS.LB BEDDING

PS LB REF.	SABS 1200 LB	BEDDING (As Applicable to SABS 1200 LB)
1	1	<p>SCOPE</p> <p>This specification covers the supply and laying of bedding for buried pipes carrying fluids flowing under pressure gravity.</p>
2	2.3	<p>DEFINITIONS</p> <p><u>Stone Bedding</u></p> <p>In wet subsurface conditions, the Engineer may specify the use of 19mm crushed stone as specified is SABS 1083.</p>
3	3	MATERIALS
3.1	3.1	<p>Selected Granular Material (Subclause 3.1)</p> <p>The material specified in Subclause 3.1 is designated selected Granular Material I. An alternative material, Selected Granular Material II, shall be selected soil of a granular nature that has a PI not exceeding 6 and that is free from vegetation and from lumps and stones of diameter exceeding 15mm, and has a compactibility factor not exceeding 0,5.</p>
3.2	3.2	<p>Selected Fill Material (Subclause 3.2)</p> <p>The material specified in Subclause 3.2 is designated Selected Fill material I. An alternative material, Selected Fill Material II, shall be material that has a PI not exceeding 18 in the case of ferricretes or 14 for other material that is free from vegetation and from lumps and stones of diameter exceeding 30mm.</p>
3.3		<p>Bedding and Selected Granular Fill for Subsoil Drains</p> <p>Bedding For Subsoil Drains</p> <p>Bedding for subsoil drains shall be 19mm single sized crushed for concrete complying with the requirements for SABS 1083. It shall be placed 100mm thick under the pipes and to provide a cover of 200mm to the subsoil pipe, and shall be fully wrapped in a geofabric blanket Grade C, with a minimum lap of 150mm.</p> <p>The width of trench for subsoil drains shall conform to the requirements of subclause of SABS 1200 DB for construction, measurement and payment.</p> <p><u>Selected Material Fill for Subsoil Drains</u></p> <p>Selected fill for Subsoil Drains shall be a singularly graded river sand with a permeability of not less than 1×10^{-3} cm/second measured under constant head on the material compacted to visual optimum density.</p> <p>The contract shall provide the result of permeability tests to the Engineer at the rate of one test for every 100m³ of material placed.</p> <p>Selected fill material shall be placed in a layer 150mm thick or selected fill material shall be placed in a layer as detailed on the drawings.</p>

PS LB REF.	SABS 1200 LB	BEDDING (As Applicable to SABS 1200 LB)						
3.4		<p>Bedding</p> <p>uPVC and HDPE pipes shall be considered as flexible and bedded as per Drawing LB-2 (SABS 1200). All other pipes shall be considered rigid, and Class C bedding as per drawing LB-1(c) (SABS 1200) provided, except where the pipes are concrete encased.</p> <p>The following classes of bedding are to be used under the conditions specified.</p> <p><u>Class C</u> In servitudes where cover to pipes exceeds 600mm. Within street reserves where cover exceeds 800mm. Under street carriageways where cover exceeds 1000mm.</p> <p><u>Class B</u> Within street reserves where cover is greater than 500mm but less than 800mm. Steep gradient where instructed.</p> <p><u>Concrete Encasing</u> Where cover is less than 500mm. River or stream crossings. Steep gradients where instructed.</p>						
4	6	TOLERANCES						
4.1	6.1	<p>Moisture Content and Density</p> <p>The degree of accuracy shall be II.</p>						
5	8	MEASUREMENT AND PAYMENT						
5.1	8.1.6	<p>Freehaul</p> <p>All haul of material for bedding cradle and selected fill obtained from excavations on site shall be regarded as freehaul.</p>						
6	8.2	SCHEDULES ITEMS						
6.1	8.2.1	<p>Provision of bedding from Trench Excavation</p> <p>Refer to PS LB5.1.</p>						
6.2		<p>Selected Granular Material for Subsoil Drains</p> <table border="1"> <thead> <tr> <th>Payment Refer</th><th>Description</th><th>Unit</th></tr> </thead> <tbody> <tr> <td>"PSLB 6.2</td><td>Supply 19mm crushed stone</td><td>m³</td></tr> </tbody> </table> <p>The rate shall cover all items sub clause 8.2.2.3. The rate for subsoil shall include for placing of filter material.</p>	Payment Refer	Description	Unit	"PSLB 6.2	Supply 19mm crushed stone	m ³
Payment Refer	Description	Unit						
"PSLB 6.2	Supply 19mm crushed stone	m ³						

PSLE STORMWATER DRAINAGE

PS LE REF.	SABS 1200 LE	STORMWATER DRAINAGE (As Applicable to SABS 1200 LE)
1	3	MATERIALS
1.1	3.1	CULVERT UNITS AND PIPES
		(d) Skewed ends
		ADD THE FOLLOWING:
		"Skewed ends for pipe culverts may be cut on Site using an approved concrete saw."
1.2	3.4	MANHOLES, CATCHPITS, AND ACCESSORIES
		ADD THE FOLLOWING:
		"Bricks shall be engineering bricks complying with the requirements of SABS 227."
2	5	CONSTRUCTION
2.1	5.2	BEDDING AND LAYING
2.1.1	5.2.2	Pipe culverts
		ADD THE FOLLOWING:
		"The class of bedding required for the various pipe culverts is shown on the Drawings." Unless otherwise stated in the Schedule of quantities or indicated on the drawing, pipes with spigot and socket joints shall be used. Butt ended pipes will not be permitted. Where pipes are cut, the ends shall be made good with an epoxy concrete mix so as to prevent rusting of the reinforcement or deterioration of the concrete."
2.1.2	5.2.6	Benching
		ADD THE FOLLOWING:
		Delete "granolithic plaster" and replace by "concrete topping consisting of a 1:2:3 cement, sand and 7 mm stone mix by weight. The sand proportion may be varied between 1,5 and 2,5 to obtain ideal workability."
2.2	5.8	BACKFILLING AROUND STRUCTURES
		Material used to backfill around manholes that fall within the road reserve must comply with SABS 1200 LB subclause 3.1. Material used to backfill around other manholes must comply with SABS 1200 DB subclause 3.5. Material adjacent to the walls of the manholes must be watered and mixed to its optimum moisture content, and compacted in layers not exceeding 150 mm in the compacted state. Compaction must be minimum 100% MOD AASHTO for non101016-06 Proj Specs Portion 1&2 (Rev 1).doc

PS LE REF.	SABS 1200 LE	STORMWATER DRAINAGE (As Applicable to SABS 1200 LE)
		5.133 cohesive material, and minimum 93% of MOD AASHTO density for cohesive materials. Backfilling around the structure must be carried out in even layers to avoid uneven side forces."
3	6	TOLERANCES
3.1	6.6	PIPES INTO MANHOLES / CATCHPITS
		Pipes may protrude up to 300mm into a manhole/catchpit. This relaxation will only be permitted if the pipe does not have to be cut. The "dead space" formed at the end of the manhole is to be suitably benched off to prevent the collection of silt and rubbish."
3.2	6.7	AS-BUILT DETAILS
		The Contractor shall submit as-built levels, distances between manholes and the grades of pipelines for which he requires payment, at the time he submits his monthly payment claim. A sample form is obtained from the Engineer."
4	8	MEASUREMENT AND PAYMENT
4.1	8.2	SCHEDULED ITEMS
4.1.1	8.2.1	REPLACE: -
		Supply and lay concrete pipe culverts
		WITH:-
		Supply, lay on a Class C bed (selected granular material from trench excavations), and join reinforced concrete spigot and socket stormwater pipes and including for cutting ends at structures:
		ADD THE FOLLOWING TO THE SUB CLAUSE:
		"The tendered rate shall also cover the cost of any additional work to wrap joints as specified in 5.2.2 and caulk lifting eyes. In addition to the sub clause the rate tendered will also include for the cutting of pipes at ends where required"
4.1.2	8.2.8	Supply and installation of manholes, catchpits and the like:
		REPLACE THE CONTENTS OF THE ITEM WITH THE FOLLOWING:
		"Separate items are listed for manholes and catchpits etc. with reference to depths and type. The rate shall cover the cost of any excavation in all material (including disposal of surplus) and backfilling with suitable material in accordance with PSLE 5.8 (including importation of material if required) additional to what is measured under the relevant pipe trench item (refer to SABS 1200 DB 8.2.2 and 8.2.3). The rate shall further cover the cost for building the manholes and catchpits, complete as per drawings, including all covers and frames, the supply of all labour, plant and materials required to complete the structures as inlet channelling, building in connecting pipes, any benching required and backfilling structures, complete as shown on the relevant drawings. The depth category of manholes and catchpits shall be measured as the difference between the cover level and the deepest invert level."

PSME SUBBASE

PS ME REF.	SABS 1200 ME	SUBBASE (As Applicable to SABS 1200 ME)
1	3	MATERIALS
1.1	3.2	PHYSICAL PROPERTIES
1.1.1	3.2.1	<p>Subbase material</p> <p>REPLACE THE CONTENTS OF PARAGRAPH (a) WITH THE FOLLOWING:</p> <p>"(a) The maximum particle dimension of the gravel shall not exceed 63 mm."</p> <p>REPLACE THE CONTENTS OF PARAGRAPH (d) WITH THE FOLLOWING:</p> <p>"(d) The CBR at specified density shall be 45 for unstabilized material as well as for stabilized material prior to stabilization."</p> <p>DELETE PARAGRAPH (e).</p>
1.1.2	3.2.2	<p>Gravel shoulder and gravel wearing course material</p> <p>REPLACE THE CONTENTS OF THIS SUBCLAUSE WITH THE FOLLOWING:</p> <p>"The material used for gravel shoulders and gravel wearing course shall comply with the following:</p> <p>(a) The PI shall not be less than 6 and not more than (3 x GM) + 10.</p> <p>(b) The maximum particle dimension of the gravel shall not exceed 40 mm.</p> <p>(c) The CBR shall be greater than 15 at 93% of modified AASHTO density."</p>
2	5	CONSTRUCTION
2.1	5.2	EXCAVATION
2.1.1	5.2.2	<p>Borrow pits</p> <p>INSERT THE WORDS "designated by the Engineer and" BETWEEN THE WORDS "pits" AND "established" IN THE FIRST LINE.</p>
2.2	5.8	<p>WEED-KILLER</p> <p>The subbase layer shall be treated before compaction by applying and mixing in granular HYVAR X or TENOC X weed-killer in accordance with the manufacturer's instructions. An approved equivalent may be used.</p> <p>101016-06 Proj Specs Portion 1&2 (Rev 1).doc 5.137</p>

PS ME REF.	SABS 1200 ME	SUBBASE (As Applicable to SABS 1200 ME)
2.3	5.9	INSECTICIDE An approved insecticide such as Termidan or an approved equivalent shall be applied strictly in accordance with the manufacturer's instructions over the total area of the subbase. The instructions indicate whether the poison is to be applied before or after compaction of the layer."
3	8	MEASUREMENT AND PAYMENT
3.1	8.1	BASIC PRINCIPLES INSERT A SEMICOLON IN THE FIRST LINE OF PARAGRAPH (b) AFTER THE WORDS "will be paid for once only" AND DELETE THE REST OF THE PARAGRAPH. AMEND PARAGRAPH (d) AS FOLLOWS: "(d) that, in the case of material from a commercial source or from borrow pits selected by the Contractor, no additional payment will be made for the class of excavation, method of processing (except stabilizing), or overhaul."
3.2	8.3	SCHEDULED ITEMS
3.2.1	8.3.2	Construct the subbase course/shoulders/gravel wearing course with material from designated excavations (a) Compacted to at least 95% of modified AASHTO density..... Unit: m ³ (b) Compacted to at least 97% of modified AASHTO density..... Unit: m ³ REPLACE THE CONTENTS OF SUBITEM (a) WITH THE FOLLOWING: "The rate for (a) shall include full compensation for excavating and selecting subbase material, for loading and transporting the material, and for either placing the material on the road or stockpiling the material for later use. When material is stockpiled, the rate shall include compensation for shaping and grading the stockpile so that it is free-draining."
3.2.2	8.3.3	Construct the subbase course/shoulders/gravel wearing course with material from commercial sources or designated borrow areas REPLACE THE HEADING OF THIS ITEM WITH THE FOLLOWING: 8.3.3 Construct the subbase course/shoulders/gravel wearing course with material from commercial sources" (a) Compacted to at least 95% of modified AASHTO density..... Unit: m ³ (b) Compacted to at least 97% of modified AASHTO density..... Unit: m ³ ADD THE FOLLOWING PARAGRAPH: "This item shall also apply to the construction of subbase course/shoulders/gravel wearing course with material from borrow pits selected by the Contractor." 101016-06 Proj Specs Portion 1&2 (Rev 1).doc 5.138
3.2.3	8.3.9	Overhaul (haul exceeding 2 km): REPLACE THE CONTENTS WITH THE FOLLOWING: "No haul will be paid."

REF.	1200 ME	(As Applicable to SABS 1200 ME)
3.2.4	8.3.11	<p>Treatment of subbase with:</p> <p>(a) Weed-killer..... Unit: m²</p> <p>(b) Insecticide..... Unit: m²</p> <p>The tendered rates shall include full compensation for supplying, spreading and mixing in or applying the poison.</p> <p>Only areas that were treated on the written instructions of the Engineer will be measured for payment."</p> <p>101016-06 Proj Specs Portion 1&2 (Rev 1).doc 5.139</p>

PSMK KERBING AND CHANNELLING

PS MK REF.	SABS 1200 MK	KERBING AND CHANNELLING (As Applicable to SABS 1200 MK)
1	3	MATERIALS
1.1	3.1	<p>CONCRETE</p> <p>ADD THE FOLLOWING:</p> <p>"The Contractor shall timeously submit the concrete mix design for cast in-situ kerbing to the Engineer for approval and no kerbing shall be placed before the mix design has been approved."</p>
2	5	CONSTRUCTION
2.1	5.2	<p>PRECAST CONCRETE KERBING AND CHANNELLING</p> <p>Substitute the first sentence of MK 5.2 with the following:</p> <p>Precast concrete kerbing and channelling shall be laid and bedded on a concrete base complying with PSMK 3.9.</p>
2.2	5.11	<p>TRANSITION SECTIONS AND INLET AND OUTLET STRUCTURES</p> <p>DELETE THE WORDS "and with the requirements of the Project Specification" IN THE SECOND PARAGRAPH.</p>
3	7	TESTING
3.1	7.2	CAST-IN-SITU AND EXTRUDED KERBING AND CHANNELLING
3.1.1	7.2.1	<p>General tests</p> <p>DELETE THIS SUBCLAUSE.</p>
3.1.2	7.2.2	<p>Alternative tests</p> <p>REPLACE THE HEADING AND CONTENTS OF THIS SUBCLAUSE WITH THE FOLLOWING:</p> <p>7.2.2 Tests</p> <p>The Contractor shall carry out a minimum of three cube crushing tests per 300 m of kerbing placed. The cost of such tests shall be deemed included in the rates tendered for kerbing.</p> <p>One cube crushing test shall consist of a set of six cubes made with concrete taken from the mixer, the kerbing machine or from any part of the work as ordered.</p> <p>If, after 28 days in an approved laboratory, after three cubes of any set of six cubes have been tested, the average crushing strength is found to be more than 3 MPa below the specified strength, the kerbing represented by the cubes will be rejected.</p> <p>101016-06 Proj Specs Portion 1&2 (Rev 1).doc</p> <p>5.146</p> <p>The Contractor may apply for resubmission of the rejected section on the basis of cores drilled from this section and tested for the estimated actual</p>

PS MK REF.	SABS 1200 MK	KERBING AND CHANNELLING (As Applicable to SABS 1200 MK)
		crushing strength in accordance with SABS method 865 (excluding Appendix A). The cost of drilling and testing the cores is for the Contractor's account, regardless of the outcome of the tests on the cores. The number of cores required will be determined by the Engineer and the criterion for rejection or acceptance of the section represented by the cores shall be as specified above for cubes."
3.2	7.3	RESPONSIBILITY FOR THE COST OF TESTING DELETE THIS SUBCLAUSE.
4	8	MEASUREMENT AND PAYMENT
4.1	8.2	SCHEDULED ITEMS
4.1.1	8.2.1	Concrete kerbing REPLACE "5.8.2" IN THE THIRD LINE OF PARAGRAPH (e) WITH "5.8.3".
4.1.2	8.2.3	Variation of tests on extruded kerbing DELETE THIS SUBCLAUSE. ADD THE FOLLOWING ITEM:
4.1.2	8.2.14	Removal of existing kerbing and: (a) Disposing of them off the Site..... Unit: m (b) Reusing them elsewhere on the Site..... Unit: m The tendered rates shall include full compensation for providing all labour and equipment, excavations, lifting the kerbs and, in the case of subitem (a), loading and transporting the kerbs from the Site and, in the case of subitem (b), cleaning the kerbs, and temporarily storing them and relaying them elsewhere on the Site." 101016-06 Proj Specs Portion 1&2 (Rev 1).doc 5.147

ANNEXURE 2

PARTICULAR SPECIFICATIONS

In addition to the Standardized and Project Specifications the following Particular Specifications shall apply to this contract and are bound in hereafter.

PA : SUBSOIL DRAINAGE

PG : GRASSING

PF : FENCING

PT : AS-BUILT TOPOGRAPHICAL SURVEY

PA SUBSOIL DRAINAGE

PA 1 SCOPE

This specification covers the construction of subsoil drainage systems.

PA 2 INTERPRETATION

Not applicable.

PA 3 MATERIALS

PA 3.1 Classes of Excavation

Material shall be classified in accordance with SABS 1200 DB.

PA 3.2 Pipes

Pipes for subsurface drains shall have a specified internal diameter, which shall not be less than 100mm, and shall be one of the following types :

- a) Perforated pitch fibre pipes complying with SABS 921;
- b) Perforated or slotted unplasticised PVC pipes complying with SABS 791.

The size of perforations in perforated pipes shall in all cases be 8 mm diameter \pm 1,5mm and the number of perforations per metre shall not be less than 26 for 100mm pipe and 52 for 150mm pipe. Perforations shall be spaced in two rows for 100mm pipes and four rows for 150mm pipes.

Slotted pipes shall have a slot width of 8mm with a tolerance of 1,5 mm in width. The arrangement of slots shall be to the Engineer's approval but the total slot areas shall not be less than specified for perforations.

Pipes without slots or perforations that are required for transporting subsoil water from the subsoil drain proper to the point of discharge, shall be unperforated pitch fibre, PVC or concrete pipes complying with SABS 677 Class A.

PA 3.3 Filter Materials

Permeable filter materials for subsurface drains shall consist of sand and/or crushed stone of suitable grading. Use may also be made of synthetic fibre filter fabrics.

All aggregates shall comply with SABS 1083.

PA 4 PLANT

Not applicable.

PA 5 CONSTRUCTION

PA 5.1 Trench Bottom

The requirements of SABS 1200 LE shall apply.

PA 5.2 Bedding and Laying

PA 5.2.1 General

Trenches for pipe drains shall be excavated to the dimensions and gradients shown on the Drawings or directed by the Engineer.

A layer of permeable material of the class and thickness as shown on the drawings shall be placed on the bottom of the trench and lightly tamped and finished to the required gradient.

Pipes of the type and size required shall then be firmly bedded on the permeable material true to level and grade, coupled where required and the trench backfilled with further permeable material to such height above the pipes as shown on the drawings or directed by the Engineer. The permeable material shall be lightly compacted and finished to the required level. Further layers of finer permeable material shall then be placed, lightly compacted and finished to an even surface as directed by the Engineer. The remainder, if any, of the trench shall be backfilled with approved impermeable material as required by the Engineer, in layers not exceeding 100mm and compacted to at least the same density as the surround material. The trench must be specially protected against the ingress of water before completing the impermeable layer.

Permeable material must be placed in layers of not more than 300 mm at a time and lightly compacted. The total thickness of each type of permeable material must be carefully controlled, and when placing the thinner layers, suitable spacers must be used for this purpose. When placing successive layers and lower layer must not be walked on or disturbed more than can be avoided. Care shall be taken to prevent the contamination of the subsoil drains during construction and all permeable material contaminated by soil or silt shall be removed and replaced by the Contractor at his own expense.

Where spigot and socket pipes are used, the socket end shall be laid upgrade with the spigot fully entered into the adjacent socket. Where plain butt joint pipes are used they shall be laid firmly together to prevent infiltration of backfill material. Perforated and slotted pipes shall be joined by couplers. Perforated pipes shall be laid with the perforations on top or in the bottom as instructed.

The higher end of subsoil pipe drains shall be sealed off with a loose concrete cap of Class 20/19 concrete as shown on the drawings and at the lower end the pipe drain shall be built into a concrete head wall providing a positive outlet or connected to stormwater pipes or culverts.

Any section of a subsoil drain constructed from pipes without perforations or slots shall be backfilled with impermeable backfill material as described above. Where suitable, the excavated material may be used for backfilling.

PA 5.2.2 Polyethylene Sheeting

Where shown on the drawings or directed by the Engineer, trenches for subsurface pipe drains shall be lined with approved polyethylene sheeting 0,15 mm thick. The polyethylene sheet shall cover the bottom of the trench and shall extend upward on both sides for a distance as directed by the Engineer in each particular case, to form a waterproof channel. Joints in the polyethylene sheeting shall be heat welded together or lapped for 200mm minimum.

PA 5.2.3 Synthetic Filter Fabrics

Where specified for use of subsoil drains, filter blankets and other applications, synthetic fibre filter fabrics shall be procured, furnished and installed as specified and shown on the Drawings. Filter fabric shall not be exposed to direct sunlight for prolonged periods and protected from mechanical damage during installation and construction.

PA 6 TOLERANCES

PA 7 TESTING

PA 8 MEASUREMENT AND PAYMENT

PA 8.1 Scheduled Items

The tendered rate shall include for excavation, supply and laying of pipe, bidum and 19mm stone encasement,, drainage core sheeting, backfilling, etc. of the subsoil drainage line all in accordance with the Subsoil Drainage Detail A & B shown on Drawing No. 468/901. The unit of measurement paid will be per **meter (m)** length of pipe laid.

The tendered rate shall include full compensation for installation of the rodding eye and connection into the subsoil pipes including any additional cost of fittings measured extra over scheduled item 8.1.2.

PG GRASSING

PG 1 SCOPE

The area where grassing is to be carried out and the type of grassing to be used will be decided by the Engineer on site.

Generally, however, road verges will be planted, landscaped areas will be hydroseeded and nursery sodding will be used in particular areas where it is necessary to ensure the early establishment of grass cover as a protection against erosion by wind and/or water.

As soon as practicable, all landscaped areas, banks and road verges shall be grassed.

Tenderers shall allow under the relevant items in the Schedule of Quantities, for grassing by planting rooted grass stringers or for hydroseeding of grass sodding as specified.

Provisional items have also been included in the Schedule of Quantities to cover the cost of protecting grassed surfaces by the spraying of a plastic soil consolidating agent and by the application of a suitable fabric sheeting as specified in later Clauses.

PG 2 GRASS PLANTING

The area to be grassed, which will be decided on site, shall be planted with rooted grass stringers of "Cynodon dactylon", a sample of which is to be submitted to the Engineer for approval before use.

The grass shall be planted at a distance of no more than 150 mm apart in both directions.

Before planting any grass, agricultural lime shall be spread over the whole area to be grassed at a rate of 30 gm per m² and this shall be lightly raked into the soil. Under no circumstances will the Contractor be allowed to drive any wheeled or tracked vehicles over the surface once it has been prepared for planting.

After planting, the surface of the soil shall be made smooth and free of humps or depressions, either by careful raking or by adding topsoil, or both. The Contractor shall allow in his prices for maintenance, weeding and watering so that the grass becomes established to the satisfaction of the Engineer.

PG 3 NURSERY SODDING

PG 3.1 Sodds shall be well rooted Cynodon Dactylon with not more than 30% of other grasses. The thickness of sod shall be 30 mm or more when measured between boards and the area shall be not less than 0,15 square metres. Sodds should not break or crumble during handling and placing.

PG 3.2 A blinding layer of 40 mm good loamy topsoil from the site stockpiles shall be spread first.

PG 3.3 Fertilize with an approved 3.2.1 (22) fertilizer spread at the rate of 20 gms per square metre mixed with topsoil.

PG 3.4 The sodds shall be neatly laid in horizontal rows, each row breaking joint with the previous row and the interstices filled with topsoil.

PG 3.5 Six weeks thereafter, fertilize again at the same rate.

PG 4 HYDROSEEDING

PG 4.1 GENERAL

The work shall include the hydroseeding of cut and fill slopes and landscaped areas and initial maintenance of the seeded areas. No hydroseeding shall take place between the 1st April and 31st August.

PG 4.2 MATERIALS

PG 4.2.1 Seed

The seed type and composition shall be as follows:

Substitutes will not be accepted except where adequate proof is given as to unavailability of the type specified.

The composition of seed types for a 5000 litre hydroseeding mixture (sufficient to cover 1000 m²) shall be as follows:

Cynodon Dactylon	500 g
Cynodon NK37 Giant	1000 g
Axonopus Compressis	500 g

All seed supplied shall be labelled in accordance with the Government Seed Act No. 20 of 1961 and the Contractor shall produce such certification as the Engineer may require to verify compliance with the Act.

The seed type and composition may be varied by the Engineer.

PG 4.2.2 Fertilizer

Fertilizer shall be 3.2.1 granular (22) which is to be included in each tank load (5000 litres) at the rate of 20 kg per tank added and mixed.

PG 4.2.3 Compost

The Contractor shall incorporate in each 5000 litres tank load, 0,5 m³ of relatively fresh chicken manure. The manure shall not contain more than 10% other materials such as wood shavings, soil, feathers, etc.

PG 4.2.4 Mulch

The mulching agent shall consist of either wood cellulose fibre mulch or fresh threshed hay or straw and shall be free of contaminants. The mulch shall be suitably prepared, so that when mixed it will become uniformly suspended and form a homogenous slurry.

The mulching agent shall be applied at a rate of 120 kg per 5000 litre tank.

PG 4.3 EQUIPMENT

The seed mixture shall be applied by a "Hydroseeder" type distributor approved by the Engineer.

The distributor shall incorporate a built in agitator system and be capable of even and regulated distribution with a spray range of 25 metres.

PG 4.4 PREPARATION OF UNDISTURBED SOIL:

Undisturbed soil shall be prepared by thoroughly loosening to a minimum depth of 75 mm by hand picking or rotovating and where future maintenance will be required, all loose stone larger than 75 mm removed from the surface.

PG 4.5 PREPARATION OF CRUSTY TOPSOIL:

Where a crust has formed on topsoil, it shall be thoroughly loosened before hydroseeding.

PG 4.6 APPLICATION OF HYDROSEEDING MIXTURE:

The seed, fertilizer, compost and mulch shall be added and mixed before application. The mixture shall be applied at a rate of 5000 litre/1000 m² uniformly over the area to be hydroseeded.

PG 4.7 WATERING:

The Contractor shall apply water as specified for grassing. Water shall be uniformly applied with a fine spray which will not disturb growth or cause erosion.

PG 5 ADDITIONAL PROTECTIVE MEASURES

PG 5.1 DESCRIPTION:

In addition to hydroseeding or grassing the Engineer may order the following additional protective measures:

- a) The spraying of a plastic soil consolidating agent on cut slopes subject to erosion after hydroseeding or grassing.
- b) The application of a suitable fabric sheeting over the hydroseeded or grassed area.

PG 5.2 MATERIALS:

- a) Plastic Soil Consolidation Agent

The soil consolidation agent shall consist mainly of a dispersion of plastic materials such as "Surfasol" or similar approved. The grade of consolidation agent to be used for the soil encountered shall be to the approval of the Engineer.

- b) Protective Fibre Sheeting

Fibre sheeting shall be "Bemnet" or similar approved. The grade of the sheeting shall be to the approval of the Engineer.

PG 5.3 APPLICATION:

- a) Plastic Soil Consolidation

The agent shall be mixed and uniformly sprayed at the rate recommended by the manufacturers by a "Hydroseeder" type machine immediately after hydroseeding or grassing is completed.

- b) Protective Fibre Sheeting

Immediately after grassing or hydroseeding, the mat shall be laid unstretched, loosely, and evenly in contact with the soil.

All vertical and horizontal joints shall have a nominal overlap in the line of flow and be temporarily secured by wooden pegs.

The whole area shall then be permitted along the invert of drains.

PG 6 MAINTENANCE OF GRASSED AREAS

On completion of the planting, sodding, or hydroseeding, the treated areas shall be well watered.

Thereafter the Contractor shall ensure that the treated areas are not permitted to dry out. Any grass which fails to grow shall be replaced by the Contractor, at his own expense, with fresh grass or seed until full cover is attained.

When, in the opinion of the Engineer, full grass cover has been obtained on any stage of the work, the Engineer shall issue a certificate to that effect and the Contractor's maintenance period on that stage of the grassing shall cease.

Maintenance shall include for keeping the grassed area free of weeds, for weekly mowing of the grass once it has grown sufficiently, and for making good any erosion or settlement of the surface by application of approved topsoil and replanting with stringers, sodding or hydroseeding as the case may be.

PG 7 METHOD OF PAYMENT

PG 7.1 Grassing shall be measured in square metres, separate items being provided for grassing slopes steeper than 1 in 4 or flatter than 1 in 4.

PG 7.2 In the case of grassing of planting rooted stringers, the rates shall include for supplying and planting the grass and maintaining it as specified. Extra-over rates will be paid for adding agricultural lime and fertilizer at the specified rates where directed.

PG 7.3 The rate for grassing with sods shall include for:

- a) Loading from stockpile, carting and spreading, the topsoil;
- b) The two applications of fertilizer as specified;
- c) Supplying and planting the sods; and
- d) The maintenance of the grassing as specified.

PG 7.4 The rate for hydroseeding shall include for the preparation of the ground prior to spraying, the provision of all spraying equipment, the supplying and applying of the hydroseed mixture, including seed, fertilizer, compost and mulch, and the maintenance of the hydroseeded area as specified.

PG 7.5 The protection of the grass areas by means of plastic soil consolidation and by the application of protective fibre sheeting shall be measured per square metre and shall include for the supply of all plant, labour and materials as specified.

PT AS-BUILT TOPOGRAPHICAL SURVEY

PT 1 SCOPE

The scope requires a full topographical survey to be undertaken of all infrastructure, new and existing, within the perimeter fencing of the Hospital.

PT 2 INTERPRETATION

- The following details are to be captured by a Professionally Registered Topographical Surveyor:
- Survey to be based on WG31 and MSL of the area.
- The street address, cadastral description and datum (reference) point must be indicated, together with the 'north' point.
- A digital terrain model must be taken at not more than 10m spacing to give a contour interval of 0.5m
- All buildings, services and other features must be surveyed.
- All visible services must be investigated and measured giving invert and pipe sizes of each manhole surveyed.
- All street furniture, road markings and levels on both top and bottom of kerbs must be provided.
- Cadastral data must be investigated and plotted showing all sub divisions and servitudes (including the existing servitudes).
- All existing and new services must be surveyed and plotted giving all:
 - Invert levels and pipe sizes at each manhole, surveyor to make arrangements to have all equipment and manpower to open and clean existing manholes.
 - Pipe alignments (sewer/stormwater) together with direction of flows.
 - All water points (taps, valves, markers, header tanks, water meters, etc.). Where possible/applicable, sizes and routes must be shown.
- Survey existing and new electrical cables, manholes, sleeves and substations.
- Survey and plotting onto a drawing existing and new Telkom services, cables, fiber optic cables, manholes, sleeves and telephone take-off points including: telephone manholes, sleeves, overhead/underground telephone cables and cellular masts.
- All full list of all point descriptions.
- Information must be supplied in 'dxf', 'dwg' and (Model Maker version 8) 'tot' format.

PT 3 MATERIALS

Not applicable.

PT 4 PLANT

Not applicable.

PT 5 CONSTRUCTION

Not applicable.

PT 6 TOLERANCES

Not applicable.

PT 7 TESTING

Not applicable.

PT 8 MEASUREMENT AND PAYMENT

PT 8.1 Scheduled Items

The Contractor will need to provide the Principal Agent with 3No. Quotations from Registered Professional Surveyor's for the provision of the topographical survey required. The contractor will be compensated for the provision of the survey in accordance with the quotation and for the mark-up that the Contractor stipulates in the Bill of Quantities



DEPARTMENT OF HEALTH: DRIEFONTEIN CLINIC: UPGRADE OF SEWER TREATMENT PLANT

ANNEXURE 2

ELECTRICAL SPECIFICATIONS



DRIEFONTEIN CLINIC – LILLIPUT UPGRADES ELECTRICAL PROJECT SPECIFICATION

FOR:

Ladysmith
Durban

OUR PROJECT NUMBER:

S1079

DATE:

07-09-2023

Comprising the following sections:

1. DEFINITIONS.
2. TECHNICAL SPECIFICATION.
3. NOTES TO TENDERERS.
4. PROVISIONAL BILLS OF QUANTITIES

1. SECTION ONE: DEFINITIONS:

The following terms shall have the respective meanings hereby assigned to them in the interpretation of these Specifications, for the performance of the contract:

- | | | | |
|------|---|---|---|
| 1.1. | THE CONSULTING ENGINEERS OR THE ENGINEERS | : | IJKA SERVICES |
| 1.2. | CLIENT | : | Department of Health |
| 1.3. | A TENDER | : | A firm and binding price for the complete execution of the contract as herein defined. |
| 1.4. | A TENDERER | : | Any firm or individual who submits a tender. |
| 1.5. | THE CONTRACTOR | : | That firm or individual whose tender is accepted by the Client for the due performance of the contract. |
| 1.6. | THE CONTRACT | : | The Contract entered into between the successful tenderer and the Main builder for the due completion of the works as hereinafter defined. |
| 1.7. | THE WORKS | : | The entire electrical installation as specified or implied in the following pages of these Specifications, Bills of Quantities and the relevant drawings. |
| 1.8. | THE SITE | : | Driefontein Clinic, Ladysmith. |

SECTION TWO : DETAILED TECHNICAL SPECIFICATION

- 2.2. SCOPE OF CONTRACT AND SPECIAL CONDITIONS.
- 2.3. ELECTRICITY SUPPLY.
- 2.4. DISTRIBUTION BOARDS.
- 2.5. LIGHTING FITTINGS.
- 2.6. INSTALLATION OF CONDUITS.
- 2.7. GEYSERS.
- 2.8. TELEPHONE AND DATA REQUIREMENTS.
- 2.9. BUS TRUNKING.
- 2.10. POWER SKIRTING.
- 2.11. CIRCUITS AND OUTLETS.
- 2.12. POWER FACTOR CORRECTION EQUIPMENT.
- 2.13. ATTENDANCE AND COMMISSIONING.
- 2.14. LIGHTNING PROTECTION.
- 2.15. TESTING AND COMMISSIONING.
- 2.16. DOCUMENTATION.
- 2.17. SCHEDULE OF ELECTRICAL OUTLETS.
- 2.18. SCHEDULE OF MATERIALS AND EQUIPMENT.
- 2.19. TRENCHING
- 2.20. GENERATOR
- 2.21. MINIATURE SUBSTATION

2.2. SCOPE OF CONTRACT AND SPECIAL CONDITIONS:**2.2.1. Scope of Installation:**

The contract consists of the complete electrical installation as shown on the drawings and covered in the Bills of Quantities.

2.2.2. Scope of Contract:

The electrical contractor shall have to execute his work in strict conformity with a programme agreed with the Client.

No claims shall be entertained due to any changes in the programme, occupation dates etc...

The onus shall fall on the electrical contractor to keep him informed of the required programme and to comply with any amendments thereto.

The successful tenderer will be required to start work shortly after the contract has been awarded.

2.2.3. Nature of Building Construction:

The structures generally consist of a steel roof and column structure with fill in brickwork.

2.2.4. Municipal and Statutory Requirements:

All electrical work shall comply with the "Code of Practice for the Wiring of Premises" as laid down by SANS 10142, latest addition including all amendments.

Tenderers shall ensure that the types of equipment and methods of installation, which they propose to use, are acceptable to the Polokwane Electricity Department, hereinafter referred to as the "Council".

Tenderers are advised to obtain from the Council all Municipal Codes of Practice covering the electrical installation specified herein. No claim in regard to the requirements of Municipal Codes of Practice will be entertained after the closing date.

All materials and equipment installed shall bear the SABS mark. Where no SABS specification exists for a particular type of equipment, the relevant British Standard or IEC Specification shall be met.

The contractor shall advise the Engineer of any discrepancies between the SANS and Municipal requirements. The Engineer will resolve these items with the authorities and instruct the Contractor accordingly.

2.2.5. Bills of Quantities:

This Specification includes Bills of Quantities for the entire electrical installation as specified herein.

Tenderers shall submit, on the closing date, a total value for the entire installation, as well as sub-totals for the value of the Bills.

The Bills of Quantities, priced in detail, shall be submitted on the closing date of the tender.

Tenderers shall submit, on the closing date, an inclusive fixed price as required by the Form of Tender.

The Specification should be studied carefully before the Bills are priced.

2.3. **ELECTRICITY SUPPLY:**

2.3.1. **General:**

Both premises receive 400V supply's from the Supply Authority.

2.4. **DISTRIBUTION BOARDS:**

General:

These general requirements shall also apply to main low voltage board.

The enclosures shall be metal clad mild steel material.

All outgoing feeder MCB's and control/metering equipment on boards shall be clearly labelled by means of engraved traffolyte labels to indicate the function of all equipment, and sub boards and circuits fed from each feeder MCB.

The distribution boards shall be supplied complete with adequately sized legend cards and holders.

Each MCB module shall be numbered consecutively with engraved traffolyte labels in aluminium rail (i.e. three numbers for 3-phase MCB's).

Where MCB type numbers are specified, these refer to the CBI range of equipment. Type numbers shall be strictly adhered to, as the equipment has been arranged in cascading sequences to limit fault levels.

Boards shall be fitted with engraved traffolyte labels with wording "The equipment on this distribution board has been designed for the cascading system of fault current limiting and any additional/replacement equipment must have identical characteristics and rupturing capacity".

Each board shall be provided with an engraved label indicating designation and size plus origin of feeder cable plus earth wire. Refer to the schematic diagram for cable details.

All busbars and jumper leads shall be copper.

Neutral and earth bars shall be of adequate capacity for present and future circuits (one conductor per terminal).

All contactors specified shall be rated for AC-3 duty, with 240V continuously rated coils.

All time switches specified shall be of the quartz type with minimum 40 hour rechargeable battery reserve.

The incoming terminals of all local main switches shall be effectively shrouded to prevent inadvertent contact with live terminals, when the switch is in the "off" position.

All meters shall be of Elster, GEC, Sangamo, Mitsubishi or equal and approved manufacture, protected by fused inputs. All metering C.T's shall be Class 1.

Tenderers shall allow for the appointment of a specialist contractor to carry out an infra red photographic survey on all distribution boards to determine the location of any "hot spots" representing bad connections/defective contacts etc...

Should any "hot spots" be found these shall be attended to and a further survey carried out to confirm that they have been eliminated.

The Contractor shall hand over to the Engineer a complete photographic record of the survey.

Proper Manufacturer's blank spaces for MCB's shall be filled with purpose made dummy MCB's. Plastic strips will not be acceptable.

Every distribution board shall be fitted with approved solid state surge arrestors to SABS IEC 61643-1 (Protection category: IP20) on each phase and the neutral conductor. The arrestors shall incorporate status indication markers. 40kA units shall be used for all distribution boards.

Workshop drawings for distribution boards shall be submitted in triplicate to the Engineer for approval. The boards shall be manufactured by a firm approved by the Engineer.

2.4.1. Main Distribution Board (Units):

This board shall be of the surface mounted fully metal clad type, with lockable doors, which shall be of the surface mounted metal clad cabinet type.

Incoming mains shall enter from the back and outgoing feeder conductors shall exit via the top and bottom.

The board shall be finished in orange.

Refer to drawings for maximum size constraints and access considerations.

2.5. **LIGHTING FITTINGS:**

2.5.1. General:

All lighting fittings shall be supplied by the contractor for which the total net cost (excluding Value Added Tax and discounts) is listed in the Bills of Quantities.

All lighting fittings shall be mounted and connected by the contractor; the cost thereof shall be included in the general contract price in the appropriate spaces in the Bills of Quantities.

All switch start and discharge type control gear shall be guaranteed for five years. All other components of fittings, including LED, fluorescent and discharge lamps shall be guaranteed for a period of twelve months from date of commissioning of fittings, against defective materials and/or bad workmanship.

The guarantees are in addition to the Employer's common law rights and in no way constrain or vitiate these rights.

Ballasts and control gear shall bear the S.A.B.S. mark.

All lamps specified shall be supplied and installed by the contractor, for which the price shall be included in the appropriate space in the Bills of Quantities.

Fluorescent lamps shall be T5 16mm cool white unless otherwise indicated, and shall be rated for continuous sustained lumen output as specified by the applicable SABS, BS or IEC recommendations.

Prior to manufacture, a sample of each luminaire shall be submitted for the architect's approval.

2.5.2. Schedule of Light Fittings:

See Bills of quantities.

2.5.3. Installation:

Where pertaining conduit boxes shall be surface mounted and shall consist of 65 diameter conduit boxes. Light fittings shall be 240 Volt rated, mounted as stated.

2.5.4. Security and Area Lighting:

Light fittings shall be mounted on the structural steel elevations in the positions shown on the drawings and switched via strategically positioned photocells.

These light fittings shall be wired with 2.5mm² wiring, as indicated.

2.6. **INSTALLATION OF CONDUITS:**

It shall be the responsibility of the electrical contractor to ensure that conduits laid on surface beds or onto decking plates, for the purpose of being cast into slabs, are adequately protected from possible damage by dumper trucks or wheel barrows used by the building contractor during pouring of concrete. No additional costs will be entertained in this regard, during the entire construction period.

Where multiple runs of conduit occur within the structure, a minimum distance of 100mm shall be maintained between adjacent conduits, as to not adversely affect the concrete's integrity. Conduiting shall be PVC type.

2.7. **GEYSERS:**

None.

2.8. **DATA REQUIREMENTS:**

A conduit and draw box system shall be provided as shown on the drawings.

2.9. Bus Trunking:

Nil.

2.10. **POWERSKIRTING:**

None

2.11. **CIRCUITS AND OUTLETS:**

2.11.1. General Requirements:

Standard SSO's shall be approved wired with 2,5mm² PVC + 2,5mm² PVC green earth wire unless otherwise indicated.

Three phase isolators shall consist of a T.P. isolator, surface mounted onto the wall. Circuit wiring shall be 4 x 6 mm² + 4mm² PVC green.

Lighting circuits shall be wired with 2 x 2,5mm² + 2,5 PVC green.

All conduits shall be surface mounted and be of galvanised conduit.

2.12. POWER FACTOR CORRECTION EQUIPMENT:

None.

2.13. ATTENDANCE AND COMMISSIONING:

The Contractor shall allow for attendance on specialist contractors carrying out the following installations:

- Mechanical systems.

2.14. LIGHTNING PROTECTION AND EARTHING:

Lightning protection will be allowed for within the MCC's.

Earthing requirements as per SANS 10142

2.15. TESTING AND COMMISSIONING:

The **Contractor** shall submit Certificates of Compliance by An Accredited Person on forms as published by the Electrical Contracting Board of SA in terms of the Occupational Health and Safety Act, for each distribution board installed.

The forms shall be fully completed, signed and returned to the **Engineer** prior to the permanent energising of each distribution board. The **Engineer** reserves the right to require the **Contractor** to re-test any or all of the distribution boards in his presence.

2.16. DOCUMENTATION:

The **Contractor** shall submit a set of marked up drawings indicating any deviations of installations from the **Engineers** designs (e.g. cable routes, etc...).

A Schedule of Materials and Equipment shall be provided on completion of the contract, detailing for each item:

- Manufacturer and type/model number.
- Supplier's name and contact telephone number.
- Supplier's guarantee conditions.
- Technical specification brochures.

The schedule shall cover all equipment and materials employed on the project.

2.17. SCHEDULE OF ELECTRICAL OUTLETS:**Note:**

Circuit outlet reference numbers used on the drawings must be interpreted as follows:

- | | | | |
|------|------|---|--|
| e.g. | A2-5 | : | Indicates the fifth outlet on circuit 2 fed from DB-A. |
| | B8 | : | Indicates the only outlet on circuit 8 fed from DB-B. |

2.18. **SCHEDULE OF MATERIALS AND EQUIPMENT:**

NOTE: Tenderers who wish to supply any alternative makes must obtain prior approval in writing from the Engineer. Where any items are specified with remark "or equal and approved", this shall not relieve the Contractor from the need of obtaining such approval.

<u>ITEM:</u>	<u>MAKE OR MANUFACTURE:</u>	<u>REMARKS:</u>
Boards	Switchboard Manufacturers, PITT or Gamma	All boards shall be internally wired and shall be manufactured by one firm of board manufacturers. If required, sample boards shall be submitted for inspection and approval.
MCB's	CBI.	MCB Class "B" (S.A.B.S. - 5kA rupturing capacity) or as otherwise specified.
Isolators	CBI	
Socket Outlets and Lighting Switches	Crabtree (Rocker type).	
Time Switches	Heinemann, Horstmann, Sangamo, or equal and approved.	16A S.P. solid state reserve.
Contactors	ABB, Schneider, or equal and approved.	With 240V operating coil.
HRC Fused Switches	F.P.E. Siemens, V & H or equal and approved.	
ACB's	CBI	Rupturing capacities as specified.
3-phase socket outlets	Busch-Jaeger or equal and approved	25A, 3-phase and earth (interlocked).
Floor outlet boxes and ducting	Cabstrut, O-Line, Electroduct (Pty) Ltd., or equal and approved	

2.19. TRENCHING

Cable sleeve trenches shall be 600 deep by 600 wide. The Contractor shall price for trenching in 'Pickable Soil'. Re-instating cable trenches shall be done in layers of 150mm depth.

The Contractor shall remove all rocks or sharp objects that can damage the cable. Tape shall be placed 300 below the final level as a protection measure.

Final compaction shall meet the 93% ASHTO standard.

SECTION THREE : NOTES TO TENDERERS

1. Value Added Tax is to be included in the tender prices to the extent required by the applicable Sales Tax Act and subsequent amendments.
2. The successful tenderer will be required to place the order for light fittings upon written instructions from the Engineer.

The light fitting supplier will manufacture, supply, deliver and off-load fittings on site.

The electrical contractor shall be responsible for the reception on site of all light fittings, for all handling, stacking, mounting, connecting, and for handing over in full working order. Tenderers shall include the cost thereof in the Contract Sum.
3. Tenderers are advised to discuss hoisting facilities with the Client as to security, temporary services available, positioning of plant and material storage, insurances, taking delivery of materials delivered to site, etc..., but all tenders are to include for the provision of all necessary plant, equipment, tools, sheds, facilities, etc..., which are not normally provided by the Main Contractor for the execution and completion of the work. No claims whatsoever will be considered in respect of this item.
4. The successful tenderer will be required to provide everything necessary for the work including all hoisting and testing equipment, fixing working platforms, etc.

DRAWING SCHEDULE

<u>DRAWING NUMBER</u>	<u>DRAWING DESCRIPTION</u>	<u>LOCATION</u>
S1079_S01	Single Line Diagram – Main LV Kiosk	Clinic
S1079_S02	MCC Schematic – Potable Water Treatment Plant	Clinic
S1079_S03	MCC Schematic – CBD Treatment Plant	Clinic
S1079_S04	Site Reticulation Layout	Clinic

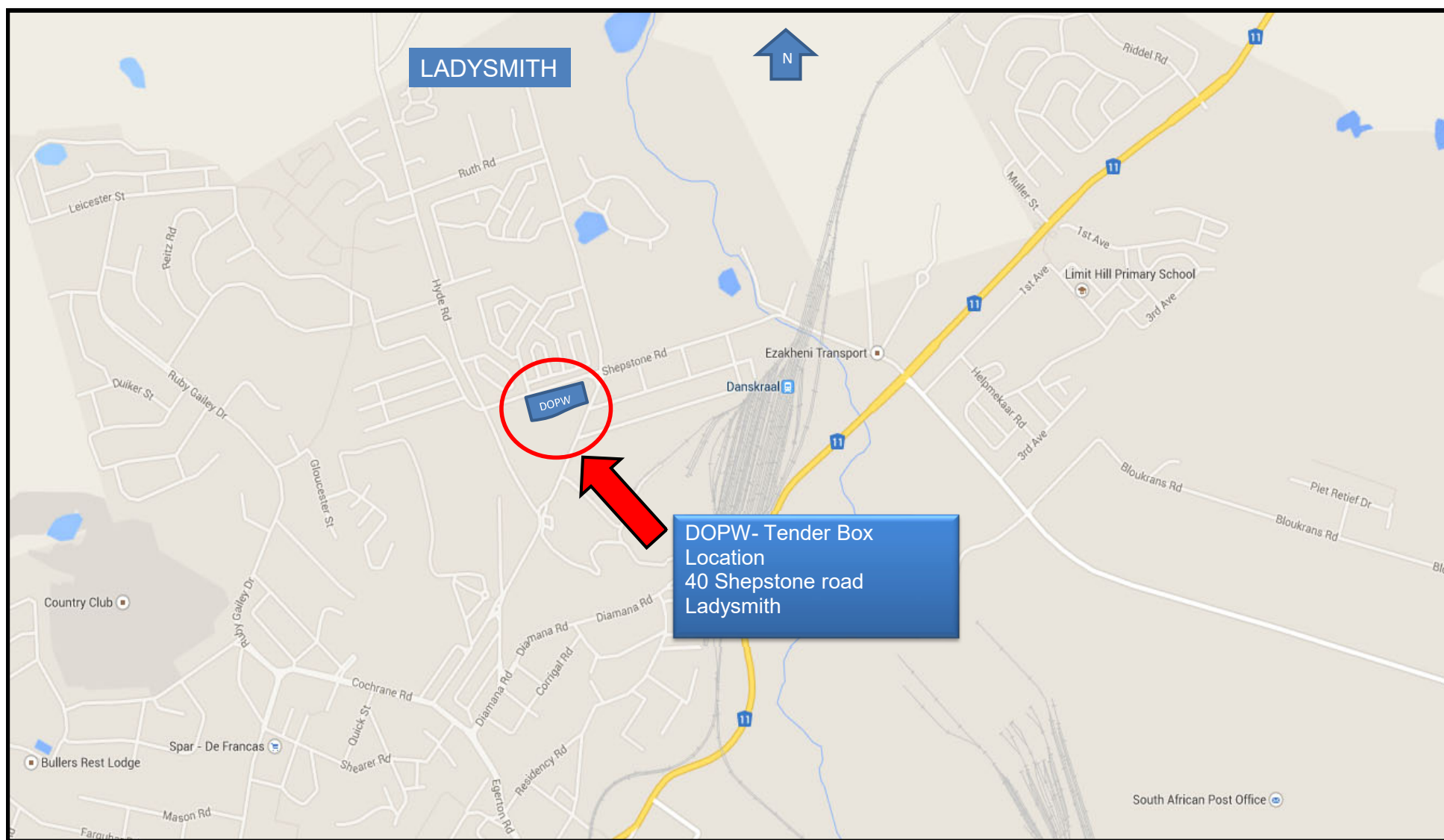


KWAZULU-NATAL PROVINCE
PUBLIC WORKS
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF HEALTH: DRIEFONTEIN CLINIC: UPGRADE OF SEWER TREATMENT PLANT

ANNEXURE 3

MAP OF TENDER SUBMISSION LOCATION





DEPARTMENT OF HEALTH: DRIEFONTEIN CLINIC: UPGRADE OF SEWER TREATMENT PLANT

ANNEXURE 4

JOINT VENTURE AGREEMENT



Annexure 4
Joint Venture Agreement
(March 2004)
(First Edition of CIDB document 1017)

1. **PREAMBLE**

This agreement is made and entered into by and between

of the first part and

of the second part and

of the third part.

(allow for additional parties as necessary).

Whereas the foregoing parties have resolved to form a Joint Venture under the title of

for the exclusive purposes of securing and/or executing the Contract to be awarded by

(name of Employer)

to the KZN Department of Public Works in respect of the following project:

for *(brief description of Contract)*

DEPARTMENT OF HEALTH: DRIEFONTEIN CLINIC: UPGRADE OF SEWER TREATMENT PLANT

Now it is hereby agreed as follows :

2. **DEFINITIONS AND INTERPRETATION**

2.1 **Definitions**

The following words and expressions shall have the meanings indicated, except where the context otherwise requires. Defined terms and words are, in general, signified in the text of the Agreement by the use of capital initial letters, but the absence of such letters does not necessarily signify that a term, or word, is not defined.

'Agreement' means the agreement between the Members of the Joint Venture and includes this model form of agreement together with the Preamble, Specific Provisions, if any, Schedules 'A', 'B' and 'C' and any relevant Documents prepared prior to the signing of the Agreement and appended thereto.

'Contract' means the contract with the Employer for the supply of the Deliverables, for the purposes of securing and executing which, the Joint Venture has been formed.

'Deliverables' means the works and/or services, equipment, materials, goods, etc. to be furnished by the Joint Venture to the Employer in terms of the Contract.

'Document' means any written, drawn, typed, printed, or photographic material, which relates to the Agreement.

'Employer' means the person, or body, which is to award the Contract and will employ the Joint Venture if it is awarded the Contract.

'Joint Venture' means the joint venture formed by the Members in accordance with the Agreement.

'Management Committee' means the body established in terms of the Agreement to manage all aspects of the work of the Joint Venture in securing and executing the Contract and in meeting the provisions for the Agreement.

'Member' means a person, or body which, being a party to the Agreement, is a member of the Joint Venture.

'Member's Interest' means the proportion expressed as a percentage, which the total monetary value of all resources provided and contributions made by a Member towards the execution by the Joint Venture of the Contract bears to the total of such values by all Members and, unless otherwise indicated in the Agreement, represents the extent to which the Member participates in the fortunes of the Joint Venture.

'Representative' means the person representing a Member on the Management Committee.

'Schedules' means Schedules 'A', 'B' and 'C' which set out general, financial and other information relating to the Members and the obligations, duties, rights, risks and benefits arising from their participation in the Joint Venture.

'Specific Provisions' means the variations, if any, required to this standard form of agreement for the specific purposes of the Agreement.

2.2 Interpretation

Unless inconsistent with the context, an expression in the Agreement which denotes:

- any gender shall include the other genders
- a natural person shall include a juristic person and vice versa
- the singular shall include the plural and vice versa

2.3 Headings

The headings to clauses of the Agreement shall not be considered part thereof, nor shall the words they contain be taken into account in the interpretation of any clause.

2.4 Law

The Agreement shall be construed in accordance with and governed by the laws of the Republic of South Africa and the English language versions shall prevail.

2.5 Language

English shall be exclusively used by the Members in the preparation of Documents unless otherwise indicated.

2.6 Conflict between Agreement and Contract

Should any provision of the Agreement be in conflict with the terms of the Contract, the Agreement shall be amended to the approval of the Management Committee so as to eliminate the conflict.

3. **JOINT VENTURE GENERAL**

3.1 Establishment and Purpose

The Joint Venture established by the Members in terms of the Agreement is an unincorporated association with the exclusive purposes of securing and executing the Contract for the benefit of the Members.

3.2 Termination

The operation of the Joint Venture and the validity of the Agreement shall terminate if and when it becomes evident that the Joint Venture will not be awarded the Contract, or, if the Joint Venture secures the Contract, when all obligations and rights of the Joint Venture and the Members in connection with the Contract and the Agreement have ceased and/or been satisfactorily discharged.

Unless otherwise decided by the Management Committee, the Agreement shall not terminate if a Member changes its name, or is taken over by, or merged with, another body.

This agreement will terminate when any one of the Members resigns, are liquidated or opts out of this agreement and the Joint Venture will be in breach of contract with the Employer and their contract could be cancelled.

3.3 Exclusivity

Unless otherwise agreed by the Management Committee, or provided for in the Contract no Member shall engage in any activity related to the Contract other than as a Member of the Joint Venture and Members shall ensure that their subsidiaries and other bodies over which they have control comply with this requirement.

3.4 Participation of Members

Except as may otherwise be stipulated in the Agreement, each Member shall be responsible for all costs incurred by it prior to the date of inception of the Agreement.

Subsequent to the date of inception of the Agreement, each Member shall, participate in the operations, risks, responsibilities and fortunes of the Joint Venture including, inter alia, the provision of funding, sureties, guarantees, insurances, human and other resources and participation in profits and losses to the extents indicated in the Schedules. Participation in any aspect not covered in the Schedules shall, if an agreement cannot be reached between the Members, be to the same extents as indicated by the Members Interests.

3.5 Management

The affairs of the Joint Venture shall be directed and controlled by the Management Committee, as set out in Section 4 hereof.

3.6 Confidentiality

All matters relating to the Agreement and the Contract shall be treated by the Members as confidential and no such matter shall be disclosed to any third party without the prior written approval of the Management Committee.

No Member shall be party to the dissemination of publicity relating to the Contract, or the Agreement, without the prior written approval of the Management Committee and the Employer.

3.7 Assignment

No Member shall cede, assign, or in any other way make over any of its rights, or obligations, under the Agreement without the prior written consent of the Management Committee.

3.8 Subcontracting

No Member shall subcontract any obligation, work or duty for which it is, itself, responsible in terms of the Agreement without the prior written consent of the Management Committee.

3.9 Variations to Agreement

No variation, modification, or waiver of any part of the Agreement shall be of any force, or effect, unless unanimously agreed by the Members and reduced to writing.

3.10 Liability

Each Member warrants that it will indemnify the other Members against all legal liabilities arising out of, or in connection with the performance of its obligations under the Agreement.

It is acknowledged by the Members that they may be held jointly and severally liable in respect of claims against the Joint Venture by the Employer or third parties.

4. MANAGEMENT OF JOINT VENTURE

4.1 General

The affairs of the Joint Venture shall be directed, controlled and managed by the Management Committee, which, within the terms of the Agreement and the Contract, shall have full authority to bind the Members in all matters relating to the affairs of the Joint Venture.

Communication between the Joint Venture and the Employer, or third parties, relating to the Contract shall be conducted exclusively by the Management Committee, or by such person as it may delegate to perform this function.

The Management Committee shall have the power to appoint a project manager and/or such other persons as it may see fit to appoint for the purpose of executing the Contract and may delegate such of its powers, responsibilities and duties as it may consider necessary, or desirable, to persons or bodies appointed or seconded for this purpose.

Such administrative functions as are necessary to ensure the effective operation of the Management Committee shall be performed by its chairman.

4.2 Management Committee

4.2.1 Composition

The Management Committee shall, unless otherwise agreed by all the Members, consist of one Representative of each Member and each Member shall be obliged, at all times, to maintain a Representative on the Management Committee.

Each member shall, not later than three working days after the signing of the Agreement, appoint its Representative and notify the other Members of the name and contact details of the Representative. Such Representative shall have the power to bind the Member that he represents in all matters relating to the execution of the Contract and the performance of the Agreement.

A Member shall be entitled, after giving the other Members not less than three working days written notice of his intention to do so, appoint, remove and/or replace, an alternate who shall, at any meeting of the Management Committee from which the Representative whom he represents is absent, be vested with all rights and powers and subjected to all the obligations of the absent Representative.

The chairman of the Management Committee shall be the Representative of the Member which has the largest Member's Interest. If two, or more, Members have the same, largest Member's Interest, the chairmanship shall rotate between the Representatives of such Members at three monthly intervals, the order of rotation to be determined by ballot.

Notwithstanding the foregoing, the chairmanship of the Management Committee may be determined, or changed, at any time by unanimous decision of the Management Committee.

No remuneration shall be paid by the Joint Venture to Representatives or their alternates for serving on the Management

4.2.2 *Meetings*

Meetings of the Management Committee shall take place at such times and places as the Management Committee may determine, provided that the chairman shall convene a meeting of the Management Committee to be held not later than ten working days after he has been requested, in writing, by a Member to do so. Not less than five working days written notice of any meeting of the Management Committee shall be given to all Representatives and their alternates.

The Management Committee may permit, or invite, persons other than Representatives or alternates to attend any of its meetings, but such persons shall not have voting rights.

4.2.3 *Decisions*

Each Representative shall have one vote on the Management Committee and where, in terms of this clause, a casting vote is required, this shall be exercised by the chairman.

All decisions of the Management Committee shall, desirably, be unanimous. Accordingly, if unanimity cannot, initially, be achieved in regard to a decision, the meeting at which that decision is sought shall be adjourned for a period of 48 hours to enable Representatives to consult with their principals. If, on resumption of the adjourned meeting, unanimity can still not be achieved, the decision, provided it is not one requiring unanimity of the Members, shall be taken by majority vote and, in the event of a tie, the chairman shall exercise a casting vote.

A Member not satisfied with a majority decision of the Management Committee may declare a dispute, to be dealt with in terms of Clause 8 hereof, but the majority decision shall, nevertheless, be implemented with immediate effect.

Decisions of the Management Committee, whether taken at a meeting, or otherwise, shall be recorded in written minutes, which shall be distributed by the chairman to reach the Representatives not later than five working days after those decisions were taken. Such minutes shall be deemed to have been affirmed by the Representatives unless written notice of dissent is received by the chairman not later than three working days after receipt of the minutes by the Representative.

4.2.4 Powers and duties

The functions, responsibilities and powers of the Management Committee shall include, inter alia, those listed below:

- 4.2.4.1 Formulating overall policy in regard to the achievement of the objectives of the Joint Venture.
- 4.2.4.2 Managing the day to day affairs of the Joint Venture.
- 4.2.4.3 Monitoring, directing and co-ordinating the activities of the Members to ensure that the objectives of the Joint Venture are achieved and that the obligations and responsibilities of the individual Members are met.
- 4.2.4.4 Monitoring and controlling the financial affairs of the Joint Venture and ensuring that proper books of account and financial records relating to affairs of the Joint Venture are maintained in an approved form and submitted to the Management Committee for approval at regular intervals, which shall not be longer than one month.
- 4.2.4.5 Determining the necessity for and the details of any changes in the duties and responsibilities of Members provided that any resulting changes in Members' Interests shall be unanimously approved by the Members.
- 4.2.4.6 Determining the terms and conditions of employment of personnel and the emoluments applicable to staff seconded to the Joint Venture by the Members.
- 4.2.4.7 Controlling and approving the appointment of all subcontractors.
- 4.2.4.8 Procuring, after the completion of the Contract and the release of all bonds, guarantees and sureties given in respect of the performances of the Joint Venture and the Members, the preparation and auditing of a final set of accounts, on the basis of which the final profits, or losses, attributable to the individual Members shall be determined and any necessary adjustments effected.

5 RESOURCES OF JOINT VENTURE

The resources to be utilised by the Joint Venture in securing and executing the Contract shall, insofar as these are to be provided directly by the Members, be as set out in the Schedules and may, from time to time, be amended by decision of the Management Committee, provided that the Member's Interests are not, except with the unanimous approval of the Members, affected thereby.

Similarly, specific areas of responsibility of the Members for the performance of work and the provision of facilities shall be as set out in the Schedules and may, from time to time, be amended by decision of the Management Committee, provided that the Members' Interest are not, except with the unanimous approval of the Members, affected thereby.

5.1 Schedule 'A' (General)

Schedule 'A' shall contain general information relating to the Joint Venture including, inter alia, the following :

1. The Employer's name and address.
2. A brief description of the Contract and the Deliverables.
3. The name, physical address, communications addresses and domicilium citandi et executandi of each Member and of the Joint Venture.
4. The Members' Interests.
5. A statement indicating whether, or not, Specific Provisions apply to the Agreement.
6. A schedule of insurance policies which must be taken out by the Joint Venture and by the individual Members.
7. A Schedule of sureties, indemnities and guarantees that must be furnished by the Joint Venture and by the individual Members.
8. Details of the persons, who, in the event of failure by the Members to reach agreement on the appointments of mediator and arbitrator, will nominate appointees to these positions in terms of Clauses 8.2 and 8.3.

5.2 Schedule 'B' (Financial)

Schedule 'B' shall contain information regarding the financial affairs of the Joint Venture including, inter alia, the following :

1. The working capital required by the Joint Venture and the extent to which and manner whereby this will be provided and/or guaranteed by the individual Members from time to time.
2. The banking accounts that are to be opened in the name of the Joint Venture and the manner in which these are to be operated.
3. The rates of interest that will be applicable to amounts by which Members are in debit, or credit, to the Joint Venture.
4. The names of the auditors and others, if any, who will provide auditing and accounting services to the Joint Venture.
5. The intervals at which interim financial accounts and forecasts will be prepared for approval by the Management Committee.
6. Insofar as not covered in Schedule 'C', the basis on which contributions of various types by the Members towards the work of the Joint Venture in securing, executing, managing and satisfactorily completing the Contract, will be valued.
7. The basis on which profits and/or surplus cash will, if available from time to time, be distributed to Members.
8. The basis upon which losses, if any, are to be apportioned to Members.

5.3 Schedule 'C' (Contributions by Members)

Schedule 'C' shall set out the contributions of various types, other than cash, that will be made by the individual Members towards the work and obligations of the Joint Venture and shall, as far as possible, indicate the monetary values to be placed on such contributions, which may include, inter alia, the following :

1. Staff seconded to the Joint Venture.
2. Work carried out and services provided to, or on behalf of, the Joint Venture.
3. Plant, equipment, facilities etc. made available for use by the Joint Venture.
4. Materials and goods supplied to, or on behalf of, the Joint Venture.
5. Licences, sureties, guarantees and indemnities furnished to, or on behalf of, the Joint Venture.
6. Joint Venture Disclosure form required for the Contract.

6. BREACH OF AGREEMENT

If a Member breaches any material provision of the Agreement, or delays or fails to fulfil its obligations in whole, or in part, and does not remedy the situation within fourteen calendar days of receipt of notice from the Management Committee, or another Member, to do so, the other Members shall have the right, without prejudice to any other rights arising from the default, to summarily terminate the Agreement and re-assign the defaulting Member's rights and obligations in the Joint Venture as they see fit and withhold any moneys due to the defaulting member by the Joint Venture.

Each Member shall indemnify the other Members against all losses, costs and claims which may arise against them in the event of the Agreement being terminated as a result of breach of the Agreement by the said Member.

7. INSOLVENCY OF MEMBER

Should a Member be placed in liquidation, or under judicial management, whether provisionally or finally, or propose any compromise with its creditors, the other Members shall be entitled to proceed in terms of Clause 6, as if the Member had breached the Agreement.

8. DISPUTES

8.1 Settlement

The Members shall negotiate in good faith and make every effort to settle any dispute, or claim, that may arise out of, or relate to, the Agreement.

If agreement cannot be reached, an aggrieved Member shall, if he intends to proceed further in terms of Clause 8.2 hereof, advise all other Members in writing that negotiations have failed and that he intends to refer the matter to mediation in terms of Clause 8.2.

8.2 Mediation

Not earlier than ten working days after having advised the other Members, in terms of Clause 8.1, that negotiations in regard to a dispute have failed, an aggrieved Member may require that the dispute be referred, without legal representation, to mediation by a single mediator.

The mediator shall be selected by agreement between the Members, or, failing such agreement, by the person named for this purpose in Schedule 'A'. The costs of the mediation shall be borne equally by all Members.

The mediator shall convene a hearing of the Members and may hold separate discussions with any Member and shall assist the Members in reaching a mutually acceptable settlement of their differences through means of reconciliation, interpretation, clarification, suggestion and advice. The Members shall record such agreement in writing and thereafter they shall be bound by such agreement.

The mediator is authorised to end the mediation process whenever in his opinion further efforts at mediation would not contribute to a resolution of the dispute between the Members.

8.3 Arbitration

Where a dispute or claim is not resolved by mediation, it shall be referred to arbitration by a single arbitrator to be selected by agreement between the Members or, failing agreement, to be nominated by the person named for this purpose in Schedule 'A'.

The Member requiring referral to arbitration shall notify the other Members, in writing, thereof, not later than thirty calendar days after the mediator has expressed his opinion, failing which the mediator's opinion shall be deemed to have been accepted by all Members and shall be put into effect.

Arbitration shall be conducted in accordance with the provisions of the Arbitration Act No. 42 of 1965, as amended, and in accordance with such procedure as may be agreed by the Members or, failing such agreement, in accordance with the rules for the Conduct of Arbitrations published by the Association of Arbitrators and current at the date that the arbitrator is appointed.

The decisions of the arbitrator shall be final and binding on the Members, shall be carried into immediate effect and, if necessary, be made an order of any court of competent jurisdiction.

9. DOMICILIUM

The Members choose domicilium citandi et executandi for all purposes of and in connection with the Agreement as stated in Schedule 'A'. A Member shall be entitled to change his domicilium from time to time, but such change shall be effective only on receipt of written notice of the change by all other Members.

Member No. 1

Thus done and signed at _____ this ____ day of _____ 20__

For and on behalf of _____ [Company]

by [name] _____ who warrants his authority to do so.

As witnesses 1. _____ As witnesses 2. _____

Member No. 2

Thus done and signed at _____ this ____ day of _____ 20__

For and on behalf of _____ [Company]

by [name] _____ who warrants his authority to do so.

As witnesses 1. _____

As witnesses 2. _____

Member No. 3

Thus done and signed at _____ this _____ day of _____ 20____

For and on behalf of _____ [Company]

by [name] _____ who warrants his authority to do so.

As witnesses 1. _____

As witnesses 2. _____

[Allow for additional parties as necessary].



DEPARTMENT OF HEALTH: DRIEFONTEIN CLINIC: UPGRADE OF SEWER TREATMENT PLANT

ANNEXURE 5

HEALTH AND SAFETY SPECIFICATION



KWAZULU-NATAL PROVINCE

PUBLIC WORKS
REPUBLIC OF SOUTH AFRICA

Occupational Health and Safety Specification (OHSE SPEC)

**Project Name: UTHUKELA DISTRICT: DRIEFONTEIN CLINIC:
UPGRADE TO SEWER TREATMENT PLANT**

WIMS no.: 066 058

OHS Rep.: S.C. Mkhize

Region: MIDLANDS REGION

District: UTHUKELA DISTRICT

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1. Introduction

The KwaZulu Natal Department of Public Works is deemed as the " **Client**" in terms of the definitions of Construction Regulations of 2014 as published in *Government Gazette No. 37305*. The Construction Regulations of 2014 under CR (5) (1) stipulates that the client must prepare a suitable, sufficiently documented and coherent site specific Occupational Health and Safety Specification for the intended construction work based on the baseline risk assessment.

The purpose of this Occupational Health and Safety Specification document (which hereinafter will be referred to as OHSE Spec) is to provide designers and the successful tenderer with essential OHS information to ensure effective safety management during the design and construction phase of the project.

This OHSE Spec forms an integral part of the contract between the Client and the Principal Contractor, so as to ensure compliance with the Occupational Health and Safety Act, Act 85 of 1993 and its applicable regulations and must serve as the basis for the Principal Contractor to develop his/her Project Safety, Health and Environmental Management Plan. As with any other plan for it to be implemented and managed effectively it requires the allocation of sufficient funds to achieve the objectives set out in the plan. In line with this requirement Construction Regulation 5(1)(g) requires the Client to ensure that the Principal Contractor has made adequate provisions for the cost of Health and Safety Measures in their tenders.

It must be noted that this OHSE Spec as much as it is detailed it is not exhaustive and the onus is on the Principal Contractors to ensure that they comply with Section 8 of the OHS Act, Act 85 of 1993 which states that "*Every Employer shall provide and maintain, as far as is reasonably practicable, a working environment that is safe and without risk to the health of his employees.*" this means that Principal Contractors as they are employers in their own right must at all times ensure continuous assessments are done for continued provision and maintenance of a healthy and safe working environment.

2. Definitions

For the purpose of the OHSE Spec, the abbreviations or definitions given hereunder shall apply and the reference to on gender will also apply to the other gender.

“CR” refers to the Construction Regulations 2014

“Agent (Pr.CHSA)” means a competent person who acts as a representative for a Client in terms of regulation (5)5.

“Client” means Department of Public Works

“Competent person” means a person who-

- (a) Has in respect of the work or task to be performed the required knowledge, training and experience and, where applicable, qualifications, specific for that work or task: Provided that where appropriate qualifications and training are registered in terms of the provisions of the National Qualifications Framework Act, 2000 (Act No.67 of 2000), those qualifications and that training must be regarded as the required qualifications and training; and
- (b) Is familiar with the OHS Act, Act 85 of 1993 and with the applicable regulations made under the Act;

"ConstructionManager (Site Agent)" means a competent person responsible for the management of the physical construction processes and the coordination, administration and management of resources on a construction site;

"Construction Site" means a work place where construction work is being performed;

"Construction Supervisor" means a competent person responsible for supervising construction activities on a construction site;

"Construction Vehicle" means a vehicle used as a means of conveyance for transporting persons or material, or persons and material, on and off the construction site for the purposes of performing construction work;

"Construction work" means any work in connection with –

- (a) The construction, erection, alteration, renovation, repair, demolition or dismantling of or addition to a building or any similar structure; or
- (b) the construction, erection, maintenance, demolition or dismantling of any bridge, dam, canal, road, railway, runway, sewer or water reticulation system; or the moving of earth, clearing of land, the making of excavation, piling, or any similar civil engineering structure or type of work;

"Construction Work Permit" means a document issued in terms of regulation 3 of the Construction Regulations 2014;

"Contractor" means an employer who performs construction work;

"Demolition Work" means a method to dismantle, wreck, break, pull down or knock down of a structure or part thereof by way of manual labour, machinery, or the use of explosives;

"Fall Protection Plan" means a documented plan, which includes and provides for-

- (a) All risks relating to working from a fall risk position, considering the nature of work undertaken;
- (b) The procedures and methods to be applied in order to eliminate the risk of falling; and
- (c) A rescue plan and procedures;

"Health and Safety File" means a file, or other record containing the information in writing required by these Regulations;

"Health and Safety Plan" means a site, activity or project specific documented plan in accordance with the client's health and safety specification;

"Health and Safety Specification" means a site, activity or project specific document prepared by the client pertaining to all health and safety requirements related to construction work;

"Medical Certificate of Fitness" means a certificate contemplated in regulation 7(8) of Construction Regulations 2014;

"Principal Contractor" means an employer appointed by the client to perform construction work;

"Safety Officer" – a person deemed competent by SACPCMP under the relevant category of registration.

"Professional Engineer or Professional Certificated Engineer" means a person holding registration as either a Professional Engineer or Professional Certificated Engineer in terms of the Engineering Profession Act, 2000 (Act No. 46 of 2000);

3. Scope of Application

This OHSE Specification document stipulates the minimum Occupational Health, Safety, and Environmental requirements that the tenderer need to address in his/her OHSE Plan. This Specification also addresses legal compliance, hazard identification, risk assessment, risk control, and the promotion of a Health and Safety culture amongst those working on the project.

This Specification also makes provision for the protection of persons other than employees. This OHSE Spec is exclusively applicable to the following project pending any change of scope which may necessitate changes to the OHSE Specification;

UTHUKELA DISTRICT: DRIEFONTEIN CLINIC: UPGRADE TO SEWER TREATMENT PLANT

This OHSE Specification further seeks to achieve the following;

- a) To provide Principal Contractors with the Structure of the Detailed OHSE Plans they will have to prepare and submit for this project. **See Annexure A**
- b) Provide the overarching framework within which the Principal Contractor is required to demonstrate compliance with certain requirements for occupational health and safety established by the Occupational Health and Safety Act, Act 85 of 1993, all applicable regulations and Client Specific Requirements. **See Annexure B**
- c) To bring to the attention of the Bidding Principal Contractors that they need to make an undertaking that the costs for executing the project includes the costs of complying with the OHS Act, Act 85 of 1993, all applicable regulations including Client Specific requirements. Such undertaking is made by appending signatures on the OHS Declaration for Tenders. **See Annexure C (Replace T2.6)**
- d) Ensure that the Principal Agent as the Professional Service Provider appointed by the Department to manage the project on its behalf in terms of the Conditions of Contract applicable to this project ensures that the contents of this document and the attached Baseline Risk Assessment are taken into consideration during design by all professions appointed and that the OHSE Specification is incorporated into the tender documents. **See Annexure D**

4. Contractual Issues

Acceptance by the Principal Contractor of the contract with KZN DOPW shall constitute acknowledgement that the Principal Contractor has familiarised him/herself with the contents of the OHSE Spec and that he/she will comply with all its obligations in respect thereof.

Due to fact that this document is based on legislative requirements, the Client requires that all Contractors comply with the requirements of this document and all other relevant legislative requirements not covered by this document.

The Client or its duly appointed Construction H&S Agent reserves the right to stop any Principal Contractor or Sub-Contractors from working whenever Safety, Health or Environmental requirements are being violated as required by regulation 5(1)(q). Any resultant costs of such work stoppages will be for the relevant Contractor's account.

The requirements as specified by the Client in this document must not be deemed to be exhaustive and the Client reserves the right to make changes as and when the Client deems fit to address issue of OHSE Compliance.

The Client will not entertain any claim of any nature whatsoever which arises as a result of costs incurred or delays being experienced due to the Contractor not complying with the requirements of this document and/or any other applicable legislative requirements imposed on the Contractor.

5. Administrative Requirements

a) Notification of Construction Work

The successful tenderer must at least within 07 working days before commencing with construction work notify the Provincial Director in writing using **Annexure "2"**. A copy of the notification once stamped by a DoL Official must be submitted to the client prior to commencing with construction work.

6. Appointment of a Fulltime/ Part time Safety Officer

The Principal Contractors will have to appoint a competent Construction H&S Officer as per the following criteria;

- *Full Time Safety Officer shall be appointed and will be full time onsite.*

Annexure A

Structure of the Detailed OHSE Plan

A detailed OHSE Plan is to be submitted by the successful tenderer as per section 8 above. The following are the minimum standard legal documentation that must form part of the OHSE Plan based on the risks attached in executing this project –

UTHUKELA DISTRICT: DRIEFONTEIN CLINIC: UPGRADE TO SEWER TREATMENT PLANT

1. The notification to commence with construction work made to the Provincial Director of Labour using Annexure 2. *(Filled in only to be submitted on approval of the Safety Plan)*
2. Letter of Good Standing with Compensation Commissioner or Compensation insurer
3. The Contractor's Health, Safety & Environmental Policy, signed by the chief executive officer, which outlines the Contractor's OHSE compliance objectives and how they will be achieved.
4. Pre-Construction risk assessment
5. Relevant checklists and registers.
6. Site specific OHSE Organogram
7. Preliminary Induction Program
8. Environmental Management Plan
9. Public Safety Management Plan
10. Traffic Management Plan
11. Exposure to Hazardous Biological Management Plan
12. Proof of competency for the following legal appointees;
 - 12.1. *Construction Manager –(Detailed CV reflecting qualification, relevant experience and references from previous clients)*
 - 12.2. *Construction Work Supervisor - Detailed CV reflecting qualification, relevant experience and references from previous clients.*
 - 12.3. *Construction H&S Officer – SAMTRAC or equivalent*
 - 12.4. *Risk Assessor – SAMTRAC or equivalent*
 - 12.5. *Fall Protection Planner – SAQA US 229994 or equivalent*

12.6. *Electrician – wireman’s licence*

Legal appointments to be appointed	
Prior Site Handover	After Site Handover on commencement with Construction work
<ul style="list-style-type: none"> • Construction Manager • Construction Work Supervisor • Assistant Construction Work Supervisors • Construction H&S Officer • Risk Assessor • Fall Protection Planner 	<ul style="list-style-type: none"> • Scaffold Erectors • Scaffold Inspectors • Excavation inspector • Explosive actuated fastening device controller • First Aider • Emergency co-ordinator • Fire Marshalls • Fire team members • Portable Electrical tool inspector • Hand tools inspector • Housekeeping inspector • Stacking and storage inspector • Temporary electrical installation inspector • Temporary works inspector • Mobile plant Operator • Flammable liquids Storage Inspector • Hazardous substance storage inspector

Annexure B

Client Specific Requirements

Items	Client Specific Requirements
Site Office location	<ul style="list-style-type: none"> The location of the site office should be in an area that will not require visitors to pass through or enter area where construction work is active and will not require the re-location of the office as the project progresses.
Public Safety	<ul style="list-style-type: none"> When working in a occupied facility the contractors risk assessment and subsequent safe work method statement must take into consideration the negative effect the Contractors activities may have on the health and safety of the occupants of the facility and make provisions for the implementation of all reasonably practicable measures to ensure the health and safety of the occupants of the building.
Extreme weather conditions	<ul style="list-style-type: none"> If the weather condition poses a threat to the health & safety of employees be it extreme heat, cold, lighting or any adverse weather condition appropriate safety measures have to be taken.
Change to scope of work	<ul style="list-style-type: none"> Should there be changes to the original scope of work, the Principal Agent must inform appointed Construction Health and Safety Agent to effect changes to the OHSE Specification.
Safety Plan Submission	<ul style="list-style-type: none"> The successful Tenderer must submit a copy of the detailed OHSE Plan for approval and keep the original for onsite use during construction. The principal Contractor will not be allowed to start site establishment before his/her SHE Plan has been approved in writing.
Bylaws	<ul style="list-style-type: none"> The Principal Contractor must incorporate any aspects of the Local Municipal bylaws which affect the, Safety and Environmental wellbeing of the employees and the public into his/her OHSE Plan and ensure compliance to such bylaws.
Risk assessment for construction work	<ul style="list-style-type: none"> To comply with CR(9) and to also address environmental issues <i>See the attached baseline risk assessment to be considered by both the designer and the principal contractor.</i>
Fall protection	<ul style="list-style-type: none"> To comply with CR (10), Edge protection and protection of floor openings need to be of such a manner as to properly protect employees from falling off elevated positions or falling into floor openings
Structures	<ul style="list-style-type: none"> To comply with CR (11)
Temporary work	<ul style="list-style-type: none"> To comply with CR (12)
Excavations	<ul style="list-style-type: none"> To comply with CR(13) and the following; If the risk exists of a person in an excavation being enclosed in an event of a collapse the following will apply; shoring sufficient to prevent

	<p>enclosure, any excavated material must be placed at least 1metre from the edge and at the maximum angle of repose to the horizontal.</p> <ul style="list-style-type: none"> • No excavation may affect the stability of any adjoining structure or road unless steps have been taken as identified by an Engineer or a Technologist. • Adequate provisions must be made to ensure that water is drained from excavations where water may enter such excavations as a result of seepage or rain • All excavations made by the Principal or Sub Contractors must be barricaded by means of solid barricading and barricading tape may only be used to make such barricading more visible
Scaffolding	<ul style="list-style-type: none"> • To comply with CR(16) and the following; • Scaffolding Inspectors and Scaffolding Erectors must be different individuals. • Scaffold Harness must be used on Scaffolding, normal Harnesses may not be used on scaffolding • Sufficient Scaffolding material e.g., tags, trapdoors etc. need to be on site as determined by the activities on site • Scaffold bases may not be supported by materials such as bricks and chipboard. Suitable material needs to be used as per SANS 10085
Explosive actuated fastening device	<ul style="list-style-type: none"> • To comply with CR (21)
Construction vehicles and mobile plant	<ul style="list-style-type: none"> • To comply with CR (23) and the following;
Electrical installations and machinery on construction sites	<ul style="list-style-type: none"> • To comply with CR (24)
Use and temporary storage of flammable liquids on construction sites	<ul style="list-style-type: none"> • To comply with CR (25)
Water environments	<ul style="list-style-type: none"> • To comply with CR (26)
Housekeeping and general safeguarding on construction sites	<ul style="list-style-type: none"> • To comply with CR (27) and the following; • Contractor to designate areas for placing refuse and rubble prior to being removed from site • Contractor must implement a daily task site clean-up for all activities these should cover work areas, stairways, walkways etc. to free of any construction debris obstruction. • Refuse to be separated for recycling purposes • Hazardous materials such as asbestos may not be included in general rubble and need to be disposed of as per applicable legislative requirements

Stacking and storage on construction sites	<ul style="list-style-type: none"> • To comply with CR (28)
Fire precautions on construction sites	<ul style="list-style-type: none"> • To comply with CR (29) and the following; • No smoking may be permitted on site except in designated smoking areas
Construction employees' facilities	<ul style="list-style-type: none"> • To comply with CR (30) and the following; • Gender signs to be placed at appropriate locations • All welfare facilities to be kept in a hygienic condition at all times • Employees to be trained in good hygiene practices
Public Safety & Signage	<ul style="list-style-type: none"> • The Principal Contractor engaged in construction work must ensure that each person working on or visiting a site, and the general public in the vicinity of the construction site, shall be made aware of the dangers likely to arise from onsite activities and the precautions to be observed to avoid or minimise those dangers. • Appropriate signage shall be posted at conspicuous points within and around the perimeter of the site. The steps to comply with this requirement must be outlined in the OHSE Plan. • The public or visitors may only be permitted on site if they go through an appropriate health and safety induction detailing hazards and risks they may be exposed to and what measures are in place to control these hazards and risks • The entire project site must be secured against unauthorized access and provided with appropriate warning signage. Where roadways or walkways must be encroached or closed due to work, adequate barriers shall be installed to safely redirect the flow of vehicles and pedestrians and protect them from construction activities. • Whenever it is necessary to maintain public use of work areas (such as sidewalks, ramps, entrances to buildings, corridors, or stairways), the public shall be protected with appropriate guardrails, barricades, temporary fences, overhead protection, or temporary partitions and hoarding. The public must also be adequately protected from any work created hazards, such as excavations. Appropriate warnings, signs, warning lights and instructional safety signs shall be conspicuously posted and placed where necessary. • The public must also be protected from falling debris and objects from the project site. Overhead protection shall be provided that will fully protect the public and be capable of withstanding the maximum forces that could be applied from potential falling objects. Special attention shall also be given to developing adequate means to protect against wind-blown debris and construction-related materials.

On Site Health and Safety Training & Induction	<ul style="list-style-type: none"> • The Principal Contractor shall ensure that all site personnel and visitors undergo a risk-specific health & safety induction training session before starting work or being permitted to enter the site. A record of attendance shall be kept in the health & safety file. • The Principal Contractor shall ensure that, on site periodic toolbox talks take place at least once per week. These talks should deal with risks relevant to the construction work at hand. A record of attendance shall be kept in the health & safety file. The above should also cover all sub-contractors that are onsite. • All Contractors have to comply with this minimum requirement. Environmental issues to be included in toolbox talks where required.
General Record Keeping	<ul style="list-style-type: none"> • The Principal Contractor and all Sub Contractors must keep and maintain Health and Safety records to demonstrate compliance with this Specification, The OHS Act 85/1993; and with the Construction Regulations of 2014. The Principal Contractor shall ensure that all records of incidents/accidents, training, inspections; audits, etc. are kept in a health & safety file held in the site office, which must be present on site at all times. The Principal Contractor must ensure that every Sub Contractor opens its own health & safety file, maintains the file and makes it available on request.
Health & Safety Audits, Monitoring and reporting	<ul style="list-style-type: none"> • The Client or its duly appointed Agent shall conduct monthly health & safety audits. The Principal Contractor is obligated to conduct similar audits on all Sub Contractors appointed by them at least once a month. Detailed audit reports must be presented and discussed at all levels of project management meetings and a copy of such audit will be provided to the Client or its duly appointed Agent within 7 working days of such audit. Copies of the Client's audit reports shall be kept in the Principal Contractors Health & Safety File.
Emergency Procedures	<ul style="list-style-type: none"> • The Principal Contractor shall submit a detailed Emergency Plan for approval by the Client prior to commencement on site. The plan shall detail the response procedure including the following key elements: <ol style="list-style-type: none"> 1. List of key competent personnel; 2. Details of emergency services; 3. Actions or steps to be taken in the event of the specific types of emergencies; 4. Information on hazardous material/situations.
First Aid Boxes and First Aid Equipment	<ul style="list-style-type: none"> • The appointed First Aider(s) to be in possession of a valid first aid training certificate Level 2. Valid certificates are to be kept in the Site Safety File. All Sub Contractors with more than 5 employees shall supply their own first aid box, except if otherwise agreed upon between Principal and Sub- Contractor in writing.
Accident / Incident Reporting and Investigation	<ul style="list-style-type: none"> • Injuries are to be categorised into Near miss, first aid, LTI, fatal etc. Fatal accidents to be reported in addition to applicable legislative requirements to the Client or its duly appointed Agent with immediate effect. The Principal Contractor must stipulate in its construction phase OHSE Plan how it will handle each of these categories. When reporting injuries to the Client, these categories shall be used. The Principal Contractor shall investigate all injuries, with a report being forwarded to the Client immediately. All Sub- Contractors have to report on the

	abovementioned categories of injuries to the Principal Contractor at least monthly. All categories of incidents/accidents must be in the Statistics Section of the Monthly Audit Reports, submitted to the Client or it's duly appointed Agent.
Hazards and Potential Situations	<ul style="list-style-type: none"> • The Principal Contractor shall immediately notify other Sub Contractors as well as the Client of any hazardous or potentially hazardous situations that may arise during performance of construction activities. • Should a hazardous situation require work stoppages, the work must be stopped and corrective steps taken such as the issue of Written Safe Work Procedures and the issue of Personal Protective Equipment.
Personal Protective Equipment (PPE) and Clothing	<ul style="list-style-type: none"> • The Principal Contractor must ensure that all workers are issued with the required PPE as required by the risks associated with the activities they perform .The minimum PPE to be worn on site will be Safety Shoes/Boots, Hard Hats, Overalls. No Visitors may enter the site without Safety Shoes/Boots and Hardhats. The Principal Contractor and all Sub Contractors shall make provision and keep adequate quantities of SABS approved PPE on site at all times.All employees issued with PPE to be trained in correct use, records of training and issue to be kept in the Site SHE File .Procedure to be in place to deal with: <ul style="list-style-type: none"> • 1 Lost or stolen PPE; • 2 Worn out or damaged PPE replacement. • 3. Employees not utilising PPE as required • The above procedure applies to Principal Contractors and their appointed Sub- Contractors, as they are all employers in their own right.
Permits	<ol style="list-style-type: none"> 1) The Principal Contractor shall prepare and issue the required written permits relating to but not limited to the following: <ul style="list-style-type: none"> • Hot Work • Roof Work; and • Electrical work (both temporary and permanent) • Confined Space Entry 2) The Principal Contractor must ensure that where permits are required that they are properly implemented and adhered to.
Speed Restrictions and Protections	<p>Unless otherwise stipulated, the maximum speed limit on sites must be limited to 10 km/h.</p> <ol style="list-style-type: none"> 1) Vehicle movement routes on site must be clearly indicated where applicable. 2) Signage to ensure the safe movement of vehicles on site, as well as to ensure the health and safety of all employees and visitors on site, must be displayed in strategic locations.
Hazardous Chemical Substances (HCS)	<ol style="list-style-type: none"> 1) To comply with Hazardous Chemical Substances Regulations as published in Government Notice No. R. 1179 dated 25 August 1995. 2) In addition to the abovementioned, Material Safety Data Sheets must be kept on site for all materials, which may contain hazardous chemical substances
Vessels under Pressure (VUP)	To comply with Pressure Equipment Regulations as published in Government Notice R. 734 dated 15 July 2009.

Fire Extinguishers and Fire Fighting Equipment	<ol style="list-style-type: none"> 1) The Principal Contractor and Sub-Contractors must allow for and provide adequate provision of regularly serviced temporary fire fighting equipment located at strategic points on site, specific for the classes of fire likely to occur. 2) The appropriate notices and signs must be allowed for and be erected as required 3) Contractors may not utilize fire protection equipment belonging to the Client without prior consent
Ladders and Ladder Work	<ol style="list-style-type: none"> 1) The Principal Contractor must allow for and ensure that all ladders are inspected at least monthly, are in a good safe working order, are the correct height for the task, extend at least 1m above the landing, are fastened and secured and are placed at a safe angle. 2) Records of inspections must be kept in a register on site.
General Machinery	To comply with Driven Machinery Regulations as published in Government Notice No. R. 1010 dated 18 July 2003
Portable Electrical Tools and Hand Tools	<ol style="list-style-type: none"> 1) The Principal Contractor shall ensure that all electrical tools, electrical distribution boards, extension leads, and plugs are kept in a safe working order. 2.) The Principal Contractor shall ensure that all portable electrical Equipment, is clearly numbered, inspected by a Competent appointed person and records of such inspections to be kept on record in an appropriate register on the site SHE file 3) The Principal Contractor shall allow for and ensure the following in relation to hand Tools: That a "Competent Person" undertakes routine inspections and records are kept on site. That only authorized trained persons use the tools. That safe working procedures apply. That PPE is provided and used.
High Voltage Electrical Equipment Installations and Equipment	<ol style="list-style-type: none"> 1) All Employees must be made aware of the presence and location of High Voltage Equipment such as underground cables and overhead lines, and ensure that the necessary precautionary steps are taken where work has to be executed in the vicinity of such equipment. 2) Precautionary measures such as Isolation and Lock-Out of electrical systems or the use of electrically isolated tools must be used.
Adequate Lighting	All Contractors must allow for and ensure that adequate lighting is provided to allow for work to be carried out safely.
Transportation of Workers	<ol style="list-style-type: none"> 1) In addition to CR 23 the following will apply The Principal Contractor and Sub-Contractors shall not: <ul style="list-style-type: none"> • Transport persons together with goods or tools unless there is an appropriate area or section of the vehicle in which to store such goods. • Transport persons on the back of trucks except if a proper canopy (properly covering the sides and top) has been provided with suitable seating areas.

	<ul style="list-style-type: none"> • Permit workers to stand or sit on the edge of the transporting vehicle. • Transport workers in LDVs unless they are closed/covered and have the correct number of seats for the passengers • No driver may transport more than six people on the back of a 1 Ton LDV and more than four passengers on the back of a ½ Ton LDV. <p>2) The driver of any LDV may not permit more than two passengers to occupy the cab of any LDV.</p> <p>3) Drivers of such vehicles must have a valid driver's license for the code of vehicle being driven by them.</p> <p>4) No servicing of vehicles will be permitted on a Construction Site. No Vehicles or machinery leaking oil will be permitted on site due to the risk posed to the environment.</p> <p>5) Any oil or diesel spilled on site must be cleaned up as per accepted environmental practice</p> <p>In the event that Earth Moving Machinery is present on site the following must be adhered to:</p> <ul style="list-style-type: none"> • Drivers of vehicles must be instructed to avoid parking behind earth moving machinery in order to ensure that their vehicles are visible to the operators of earth moving machinery. • Right of way must be afforded to earth moving machinery at all times. • Vehicles must only be permitted to park, where possible, in designated areas
Occupational Hygiene	<p>1) Occupational exposure is a major problem and all Contractors must ensure that proper health and hygiene measures are put in place to prevent exposure to these hazards.</p> <p>2) All Contractors must prevent inhalation, ingestion and absorption of any harmful chemical or biological agents</p> <p>3) Water to be utilized for drinking purposes may only be drawn from taps designated for drinking water purposes. Fire hydrants and fire hose reels may not be utilized for drinking water purposes.</p>
Environmental Management	<ul style="list-style-type: none"> • The Principal Contractor and Sub-Contractors must comply with the requirements of NEMA Act..... • The Principal Contractor must develop a waste management plan, implement and maintained it onsite • Cement mixing to be done at a predetermined location on site which must include a solid, slab, and bunded edges to prevent runoff • Contaminated run off water from the site must be treated such as to ensure that it does not pose a risk to the environment • Any material which may have a harmful effect when disposed of by normal means must be disposed of in an appropriate manner to eliminate its harmful effect on the environment after disposal. • The Principal Contractor must allow for and ensure that adequate procedures are implemented and maintained to ensure that waste

	<p>generated is placed in suitable receptacles and removed from the site promptly.</p> <ul style="list-style-type: none"> • Plans to deal with spillages must be in place and maintained. • No waste materials (liquid or solid) may be disposed of in drains. • No burning of waste material may take place on site as such material being burned may result in pollution of the air or give off toxic vapours which could be harmful to the health of employees or any other person present on site.
Alcohol and other Drugs	<ul style="list-style-type: none"> • No alcohol and other drugs will be allowed on site without the express permission of the Principal Contractor • No person may be under the influence of alcohol or any other drugs while on the construction site. • Any person on the construction site who is on prescription drugs must inform his/her Employer accordingly and the Employer shall in turn report this to the Principal Contractor immediately. • Any person on the construction site who is suffering from any illness/condition that may have a negative effect on his/her safety performance must report this to his/her Employer, who in turn must report this to the Principal Contractor forthwith. • Any person on the construction site who is suspected of being under the influence of alcohol or other drugs must be removed from site immediately and be instructed to report back the next day for a preliminary inquiry. A full disciplinary procedure must be followed by the Contractor concerned and a copy of the disciplinary action must be forwarded to the Principal Contractor for his records.
Hazardous Biological Agents Regulations	<ul style="list-style-type: none"> • Exposure to Hazardous Biological agent Management Plan that will include exposure to Covid 19 and other Biological agent related to sewer treatment facilities. • Issue Based Risk Assessment need to be developed with the necessary mitigating measures such as training in good personal hygiene practises.

Annexure C

CONTRACTOR'S SAFETY, HEALTH AND ENVIRONMENTAL DECLARATION FOR TENDERS

INTRODUCTION

In terms of *Construction Regulation 5(1)(h)* of the *Construction Regulations of February 2014* a Contractor may only be appointed to perform construction work if the Client is satisfied that the Contractor has the necessary competencies and resources to carry out the work safely in accordance with the *Occupational Health and Safety Act, Act 85 of 1993* and the *Construction Regulations of February 2014*. In line with this requirement the Contractor is required to read through this document carefully, sign it and submit it with his/her Tender.

DECLARATION

1. I the undersigned hereby declare and confirm that I am fully conversant with the Occupational Health and Safety Act, Act 85 of 1993, the Construction Regulations of February 2014 and the Construction Safety, Health and Environmental Specification attached in the tender document.
2. I hereby declare that my company and its employees has the necessary competency and resources to safely carry out the construction work under this contract in compliance with the Occupational Health and Safety Act, Act 85 of 1993, the Construction Regulations of February 2014 and the Construction Safety, Health and Environmental Specification.
3. I hereby confirm that adequate provisions has been made in my tender to cover the cost of all Safety, Health and Environmental duties and responsibilities imposed on me by the Occupational Health and Safety Act, Act 85 of 1993, the Construction Regulations of February 2014 and the Construction Safety, Health and Environmental Specification.
4. I confirm that I may not commence with any part of construction work under the contract until my Construction Safety, Health and Environmental Plan has been approved in writing by the Client.
5. I hereby confirm that copies of the following documentation will be kept on site for viewing and inspection purposes for the duration of the construction work:
 - a) Client's Construction Safety, Health and Environmental Specification
 - b) Approved Construction Safety, Health and Environmental Plan
 - c) Occupational Health and Safety Act, Act 85 of 1993, and
 - d) Construction Regulations of February 2014.
6. I agree that my failure to complete and execute this declaration to the satisfaction of the Client will mean that I am unable to comply with the requirements of the Occupational Health and Safety Act, Act 85 of 1993 and Construction Regulations 2014, and accept that my tender will be rejected.

Signature:.....

Date:.....

(Person duly authorised to sign on behalf of Tenderer)

Annexure D
Baseline Risk Assessment

Please note that this is a Baseline Risk Assessment and not a detailed Risk Assessment.
Activities as listed below may not be in the sequence preferred by the Contractor or may be conducted at the same time

		UTHUKELA DISTRICT: DRIEFONTEIN CLINIC: UPGRADE TO SEWER TREATMENT PLANT									
REF NO				RISK ASSESSOR			SC MKHIZE	REVISION	5	DATE	09/03/2023
Likelihood		Consequence		RISK VALUE= LIKELYHOOD X CONSEQUENCE			RISK RANKING				
Rare	1	Negligible	1				Score			RANKING	
Unlikely	2	Minor	2				0-5			1	
Possible	3	Moderate	3				6-10			2	
Likely	4	Major	4				11-16			3	
Almost certain	5	Severe	5				17-20			4	
							21-25			5	
MAIN ACTIVITY											
REF NO	SUB ACTIVITY	HAZARDS SHE	HEALTH RISK	ENVIRO MENTAL RISK	PUBLIC RISK	PURE RISK	RECOMMENDED RISK CONTROL MEASURE	RESIDUAL RISK	Risk Prioritisation Number		

MAIN ACTIVITY	Site establishment								
REF NO	SUB ACTIVITY	HAZARDS SHE	HEALTH RISK	ENVIRO MENTAL RISK	PUBLIC RISK	PURE RISK	RECOMMENDED RISK CONTROL MEASURE	RESIDUAL RISK	Risk Prioritisation Number
1									
1.1	Clearing of vegetation (manually)	1.Venomous snakes/ insects 2.Poisonous Vegetation 3. Sharp objects 4.Hot climatic conditions etc.	1.Snake bites, death 2. Skin rashes. Death 3. cuts, abrasions 4. Heat exhaustion etc.	None	None	3x5=15	HIRA, Appointed Competent Supervision and Management, Training, PPE, Method Statements, regular water intake etc.	1X5 =5	1
1.2	Clearing vegetation (Mechanically)	1.Venomous snakes, and insects 2.Poisonous vegetation 3.Hot Climatic conditions, 4.Dust 5.Noise 6.Vibration 7.Moving vehicles 8. HCS etc.	1.Snake bites ,skin rashes death, 2. Skin rashes. 3. Heat exhaustion 5.Dust inhalation 6. Work related upper limb disorder 7.Fractures, death, damage 8. Dermatitis etc.	None	None	3x5-15	HIRA, Appointed Competent Supervision and Management, Training, PPE,Flagmen, Method Statements, regular breaks etc.	1X5 =5	1

1.3	Loading/Off-loading materials and equipment (Mechanical)	1.Uncontrolled movement of loads 2. Limbs caught between surfaces 3.Heated surfaces, 4. HCS 5. Sharp edges. 6.Moving vehicles.	1.Fractures,death,damage 2. Abrasions. Fractures, Cuts. 3.Burns 4. Dermatitis 5. Cuts 6.Vehicle/property Equipment damage, Fractures, Death etc.	1.Contamination of resources – oil leaks, fuel spillage	1.Death, Fractures , Damage etc.	4x5=20	HIRA,,Competent Management, Competent Supervision, safe systems of work, competent operators, Flagmen, Medical Fitness Certificates ,Vehicle maintenance records, signage and barricading, training. PPE etc.	3x3=9	2
1.4	Loading/Off Loading materials and equipment (Manual)	1.Uncontrolled Movement. 2.Sharp edges 3.Caught Between Surfaces 4.Falling Materials 5.Incorrect Lifting methods 6. Spillage etc.	1.Muscular strain 2.Cuts, abrasions 3.Brusing, fractures 4.Crushing ,cuts 5.Lower back injuries 6. Dermatitis etc.	1.Contamination of resources due to spillage of HCS if present	none	4x5=20	HIRA,,Competent Management, Competent Supervision, safe systems of work, competent operators, Medical Fitness Certificates ,Vehicle maintenance records, signage and barricading, training in collect lifting methods, PPE etc.	3x3=9	2

REF NO	SUB ACTIVITY	HAZARDS SHE	HEALTH RISK	ENVIRO MENTAL RISK	PUBLIC RISK	PURE RISK	RECOMMENDED RISK CONTROL MEASURE	RESIDUAL RISK	Risk Prioritisation Number
1.5	Fencing/ Hoarding the site	1.Manual Handling 2.Struck by 3.Sharp edges 4.Physical exertion 5.Tripping Hazards 6. Hidden services , etc.	1. Muscular strain 2.Brusing, fractures 3.Cuts, abrasion 4.Dehydration 5.Fractures, grazing 6. Electrocuton, death etc.	None	1.Tripping, cuts etc.	3x4=12	HIRA, Competent Management, Competent Supervision, safe systems of work, competent operators, Cable Detection Equipment usage, Medical Fitness Certificates, signage and barricading, training. PPE etc.	1x2=2	1
1.6	Positioning of equipment and site office on site (mechanical)	1.Uncontrolled movement of loads 2. Limbs caught between surfaces 3.Heated surfaces, 4. HCS 5. Sharp edges. 6.Moving vehicles.	1.Fractures,death,damage 2. Abrasions. Fractures, Cuts. 3.Burns 4. Dermatitis 5. Cuts 6.Vehicle/property Equipment damage, Fractures, Death etc.	1.Contamination of resources – oil leaks, fuel spillage	1.Death, Fractures , Damage etc.	4x5=20	HIRA,,Competent Management, Competent Supervision, safe systems of work, competent operators Flagmen, Medical Fitness Certificates ,Vehicle maintenance records, signage and barricading, training. PPE etc.	3x3=9	2

REF NO 1	SUB ACTIVITY	HAZARDS SHE	HEALTH RISK	ENVIRO MENTAL RISK	PUBLIC RISK	PURE RISK	RECOMMENDED RISK CONTROL MEASURE	RESIDUAL RISK	Risk Prioritisation Number
1.7	Electrical Connection to the Site Office	1.Electricity 2.Sharp edges, 3.Physical Exertion 4. Poor working posture etc.	1. Electrocution, death 2.Cuts 3.Muscular strain, etc.	None	None	4x5=20	HIRA ,Competent Supervision and Management, Insulated tools ,Lock out, testing and tagging , permit issue, PPE etc.	2x3=6	2
1.8	Water connection to site office area	1.Sharp edges ,2.Hot climatic conditions, 3.Physical exertion, 4.Poor working posture etc.	1.Cuts, 2. Heat stroke, 3.Muscular strain, 4. Back strain etc.	None	None	2x2=4	HIRA, Competent Management, Competent Supervision, safe systems of work, Medical Fitness Certificates, training. PPE etc.	1x1=1	1

MAIN ACTIVITY	Water Storage Facility- Elevated Tank								
REF NO	SUB ACTIVITY	HAZARDS SHE	HEALTH RISK	ENVIRO MENTAL RISK	PUBLIC RISK	PURE RISK	RECOMMENDED RISK CONTROL MEASURE	RESIDUAL RISK	Risk Prioritisation Number
2									
2.1	Setting Out and Levelling	1.Tripping, 2.struck by object, 3.bumping against,	1.Backstrain 2. dust inhalation 3.cuts and abrasions	none	none	3x2=6	HIRA, Competent Management, Competent Supervision, safe systems of work, Medical Fitness Certificates, training. PPE etc.	2x1=2	1
2.2	Excavation for the base of water storage facility	1.Physical exertion 2.Sharp edges 3.Dust 4.Abrasive Materials 5.Hot climatic Conditions 6.Bump against Etc.	1.Muscular strain 2.Cuts, lacerations 3. Dust inhalation 4.Abrasions 5.Heat exhaustion 6. Bruising etc.	None	None	3x3=9	HIRA, Competent Management, Competent Supervision, safe systems of work, Tools and equipment inspections , continuous housekeeping signage, barricading, training. PPE etc.	2x2=4	1

REF NO 2	SUB ACTIVITY	HAZARDS SHE	HEALTH RISK	ENVIRO MENTAL RISK	PUBLIC RISK	PURE RISK	RECOMMENDED RISK CONTROL MEASURE	RESIDUAL RISK	Risk Prioritisation Number
2.3	Compaction (Mechanical)	1.Noise, 2.Dust 3.Vibration 4.Heated surfaces, 5.High impact Moving Components HCS etc.	1.Noise induced hearing loss, 2.Dust Inhalation 3.White finger syndrome 4.Burns 5. Fractures etc.	1.Spillage of oil/diesel- contamination of natural resources	1.Noise exposure etc.	4x5=20	HIRA, Competent Management, Competent Supervision, safe systems of work, maintenance records. Tools and equipment inspections, Competent Operators Medical Fitness Certificates, continuous housekeeping signage, barricading, training. PPE etc.	3x3=9	2
2.4	Soil poisoning	1.HCS 2.Hot climatic conditions etc.	1.HCS ingestion, inhalation and absorption 2. Heat exhaustion etc.	1.Spillage of HCS- contamination of natural resources	1.Exposure to HCS due to poor control and work procedures and possible medical reaction	3x5=15	HIRA, Competent Management, Competent Supervision, safe systems of work, MSDS. Tools and equipment inspections, Competent Operators Medical Fitness Certificates, continuous housekeeping, signage, barricading, training. PPE etc.	3x3=9	2

REF NO 2	SUB ACTIVITY	HAZARDS SHE	HEALTH RISK	ENVIRO MENTAL RISK	PUBLIC RISK	PURE RISK	RECOMMENDED RISK CONTROL MEASURE	RESIDUAL RISK	Risk Prioritisation Number
2.5	Cement mixing & Concrete base pouring	1.HCS, 2. Physical exertion 3.Repetitive motion, 4.Hot climatic conditions etc.	1.Dermatitis 2.Muscular strain 3.Heat Exhaustion etc.	1.Discarding of unused cement- contamination of natural resources	None	2x2=4	HIRA, Competent Management, Competent Supervision, safe systems of work, maintenance records. Tools and equipment inspections, Medical Fitness Certificates, continuous housekeeping signage, barricading, training. PPE etc.	1x1=1	1
2.5	Assembling and Erection of 10 M high tank support tower	1.Noise 2.Dust 3. Heated surfaces 4.HCS 5.Mobile crane 6. Lifting Equipment 7. Machinery 8. Fall etc.	1.Noise induced hearing Loss 2.Dust inhalation 3.Burns 4.Dermatitis 5.Fractures , death etc.	1.Contamination of resources – fuel and oil spillage etc.	Noise exposure, dust inhalation	4x5=20	HIRA, Competent Management, Competent Supervision, safe systems of work, maintenance records, Competent Operators Medical Fitness Certificates, continuous housekeeping signage and solid barricading, training. PPE etc.	3x3=9	2

REF NO	SUB ACTIVITY	HAZARDS SHE	HEALTH RISK	ENVIRO MENTAL RISK	PUBLIC RISK	PURE RISK	RECOMMENDED RISK CONTROL MEASURE	RESIDUAL RISK	Risk Prioritisation Number
2.6	Assembling and hoisting of water tank onto the support structure	1.Noise 2.Dust 3. Heated surfaces 4.HCS 5.Mobile crane 6. Lifting Equipment 7. Machinery 8. Fall etc.	1.Noise induced hearing Loss 2.Dust inhalation 3.Burns 4.Dermatitis 5.Fractures , death etc.	1.Contamination of resources – fuel and oil spillage etc.	Noise exposure, dust inhalation	4x5=20	HIRA, Competent Management, Competent Supervision, safe systems of work, maintenance records, Competent Operators Medical Fitness Certificates, continuous housekeeping signage and solid barricading, training. PPE etc.	3x3=9	2
2.7	Connection of water tank to the existing facility	1.Sharp edges ,2.Hot climatic conditions, 3.Physical exertion, 4.Poor working posture etc.	1.Cuts, 2. Heat stroke, 3.Muscular strain, 4. Back strain etc.	None	None	2x2=4	HIRA, Competent Management, Competent Supervision, safe systems of work, Medical Fitness Certificates, training. PPE etc.	1x1=1	1

MAIN ACTIVITY	Borehole								
REF NO	SUB ACTIVITY	HAZARDS SHE	HEALTH RISK	ENVIRO MENTAL RISK	PUBLIC RISK	PURE RISK	RECOMMENDED RISK CONTROL MEASURE	RESIDUAL RISK	Risk Prioritisation Number
3									
3.1	Clearing of vegetation (manually)	1.Venomous snakes/ insects 2.Poisonous Vegetation 3. Sharp objects 4.Hot climatic conditions etc.	1.Snake bites, death 2.Skin rashes., Death 3. cuts, abrasions 4. Heat exhaustion etc.	None	None	3x5=15	HIRA, Appointed Competent Supervision and Management, Training, PPE, Method Statements, regular water intake etc.	1x5 =5	1
3.2	Drilling	1.Flying Particles 2.Underground services 3.Vibration 4.Noise 5. Dust	1.Eye injuries 2.Electrocution 3.Noise induced hearing loss 4. Dust inhalation 5.Cuts	1.Contamination of resources – fuel and oil spillage etc	1.Noise induced hearing loss 2. Dust inhalation	3x2=6	HIRA, Appointed Competent Supervision and Management, Training, PPE, Method Statements	1x2=2	1
3.3	Equipment Installation (Pump)	1.Sharp edges 2.Climatic conditions, 3.Physical exertion, 4.Poor working posture etc	1.Cuts, 2.Muscular strain, 3. Back strain	None	None	3x2=6	HIRA, Appointed Competent Supervision and Management, Training, PPE, Method Statements	2x2=4	1

REF NO 3	SUB ACTIVITY	HAZARDS SHE	HEALTH RISK	ENVIRO MENTAL RISK	PUBLIC RISK	PURE RISK	RECOMMENDED RISK CONTROL MEASURE	RESIDUAL RISK	Risk Prioritisation Number
3.4	Electrical Connection inclusive of Commissioning and testing	1.Electricity 2.Sharp edges, 3.Physical Exertion 4. Poor working posture etc.	1. Electrocution, death 2.Cuts 3.Muscular strain, etc.	None	None	4x5=20	HIRA ,Competent Supervision and Management, Insulated tools ,Lock out, testing and tagging , permit issue, PPE etc.	2x3=6	2
4	Installation of Jo-Jo tank								
4.1	Base Brick Work tank stand	1.Abrasive surfaces 2.Poor working posture 3.Climatic conditions 4.Cement Dust 4.HCS etc.	1. Abrasions 2.Muscular strain 3.Heat exhaustion 4.Dermatitis 5. Lung Infection etc.	1.Discarding of unused cement- contamination of natural resources	None	3x3=9	HIRA, Competent Management, Competent Supervision, safe systems of work. Tools and equipment inspections, Medical Fitness Certificates, continuous housekeeping signage, training. PPE etc.	2x2=4	1
4.2	Position of Jojo tanks	1.Manual Handling 2. Climatic conditions 3. Falls	1. Muscular strain 2. Cuts 3. Fracture	None	None	3x2=6	HIRA, Competent Management, Competent Supervision, safe systems of work. Tools and equipment inspections, Medical Fitness Certificates, continuous housekeeping signage, training. PPE etc.	1x1=1	1

MAIN ACTIVITY	Attending to existing sewer treatment plant - LilPit System								
REF NO	SUB ACTIVITY	HAZARDS SHE	HEALTH RISK	ENVIRO MENTAL RISK	PUBLIC RISK	PURE RISK	RECOMMENDED RISK CONTROL MEASURE	RESIDUAL RISK	Risk Prioritisation Number
5									
5.1	Replacing the damaged/affected members of the System (Manual Handling)	1.Physical exertion 2.Sharp edges 3.Dust 4.Abrasive Materials 5.Hot climatic Conditions 6.Bump against Etc.	1.Muscular strain 2.Cuts, lacerations 3. Dust inhalation 4.Abrasions 5.Heat exhaustion 6. Bruising etc.	Contamination of natural resources due to split sewer	None	3x3=9	HIRA, Competent Management, Competent Supervision, safe systems of work, Tools and equipment inspections, Competent Operators Medical Fitness Certificates, continuous housekeeping signage, barricading, training. PPE etc.	2x2=4	1
5.2	Testing & Commissioning	1.Electricity	1. Electrocution, death 2.Cuts 3.Muscular strain, etc.	None	None	4x5=20	HIRA ,Competent Supervision and Management, Insulated tools ,Lock out, testing and tagging , permit issue, PPE etc.	2x3=6	2

MAIN ACTIVITY	Electrical Installation								
REF NO	SUB ACTIVITY	HAZARDS SHE	HEALTH RISK	ENVIRO MENTAL RISK	PUBLIC RISK	PURE RISK	RECOMMENDED RISK CONTROL MEASURE	RESIDUAL RISK	Risk Prioritisation Number
6									
6.1	Barricading / fencing site off	1.Manual Handling 2.Struck by 3.Sharp edges 4.Physical exertion 5.Tripping Hazards 6. Hidden services , etc.	1. Muscular strain 2.Brusing, fractures 3.Cuts, abrasion 4.Dehydration 5.Fractures, grazing 6. Electrocuton, death etc.	None	1.Tripping, cuts etc.	3x4=12	HIRA, Competent Management, Competent Supervision, safe systems of work, competent operators, Cable Detection Equipment usage, Medical Fitness Certificates, signage and barricading, training. PPE etc.	1x2=2	1
6.2	Excavation (manual)	1.Physical exertion 2.Sharp edges 3.Dust 4.Abrasive Materials 5.Hot climatic Conditions 6.Bump against Etc.	1.Muscular strain 2.Cuts, lacerations 3. Dust inhalation 4.Abrasions 5.Heat exhaustion 6. Bruising etc.	None	None	3x3=9	HIRA, Competent Management, Competent Supervision, safe systems of work, Tools and equipment inspections, Competent Operators Medical Fitness Certificates, continuous housekeeping signage, barricading, training. PPE etc.	2x2=4	1

REF NO 6	SUB ACTIVITY	HAZARDS SHE	HEALTH RISK	ENVIRO MENTAL RISK	PUBLIC RISK	PURE RISK	RECOMMENDED RISK CONTROL MEASURE	RESIDUAL RISK	Risk Prioritisation Number
6.3	Laying of underground Cable	1.Poor working posture, 2.Dust 3.Restricted working space 4.Abrasive surfaces 5.Sharp edges etc.	1.Muscular strain 2.Dust Inhalation 3.Bruzing 4. Grazing 5. Cuts etc.	None	None	2x3=6	HIRA, Competent Management, Competent Supervision, safe systems of work. Tools and equipment inspections, Medical Fitness Certificates, continuous housekeeping signage, training. PPE etc.	1x2=2	1
6.4	Grinding	1. Flying particles 2.Electricity 3.Vibration 4.Noise 5. Dust 6.High speed rotating components etc.	1. Eye injuries 2.Electrocution 3. White finger Syndrome 4.Noise induced hearing loss 5. Dust inhalation 6.Cuts etc.	None	1.Noise 2.Eye Injuries 3.Dust etc.	3x4=12	HIRA, Competent Management, Competent Supervision, safe systems of work. Tools and equipment inspections, Medical Fitness Certificates, continuous housekeeping signage, screening, training. PPE etc.	2x2=4	1
6.5	Chasing on walls	1.Repetitive motion 2.Sharp edges 3.Struck by 4.Noise, 5. Flying particles etc.	1.Muscular strain 2.Fractures 3.Noise induced hearing loss etc.	None	None	3x3=9	HIRA, Competent Management, Competent Supervision, safe systems of work. Tools and equipment inspections, Medical Fitness Certificates, continuous housekeeping signage, training. PPE etc.	1x1=1	1

REF NO 6	SUB ACTIVITY	HAZARDS SHE	HEALTH RISK	ENVIRO MENTAL RISK	PUBLIC RISK	PURE RISK	RECOMMENDED RISK CONTROL MEASURE	RESIDUAL RISK	Risk Prioritisation Number
6.4	Wiring	1.Abrasive surfaces 2.Poor working posture	1. Abrasions 2.Muscular strain	None	None	3x2=6	HIRA, Competent Management, Competent Supervision, safe systems of work. Tools and equipment inspections, Medical Fitness Certificates, continuous housekeeping signage, training. PPE etc.	2x1=2	1
6.5	Fitting of fixtures	1.Abrasive surfaces 2.Poor working posture	1. Abrasions 2.Muscular strain	None	None	3x2=6	HIRA, Competent Management, Competent Supervision, safe systems of work. Tools and equipment inspections, Medical Fitness Certificates, continuous housekeeping signage, training. PPE etc.	2x1=2	1

MAIN ACTIVITY	Plumbing								
REF NO	SUB ACTIVITY	HAZARDS SHE	HEALTH RISK	ENVIRO MENTAL RISK	PUBLIC RISK	PURE RISK	RECOMMENDED RISK CONTROL MEASURE	RESIDUAL RISK	Risk Prioritisation Number
7									
7.1	Excavation (manual)	1.Physical exertion 2.Sharp edges 3.Dust 4.Abrasive Materials 5.Hot climatic Conditions 6.Bump against Etc.	1.Muscular strain 2.Cuts, lacerations 3. Dust inhalation 4.Abrasions 5.Heat exhaustion 6. Bruising etc.	None	None	3x3=9	HIRA, Competent Management, Competent Supervision, safe systems of work, Tools and equipment inspections, Competent Operators Medical Fitness Certificates, continuous housekeeping signage, barricading, training. PPE etc.	2x2=4	1
7.2	Chiselling and chasing	1.Repetitive motion 2.Sharp edges 3.Struck by 4.Noise, 5. Flying particles etc.	1.Muscular strain 2.Fractures 3.Noise induced hearing loss etc.	None	None	3x3=9	HIRA, Competent Management, Competent Supervision, safe systems of work. Tools and equipment inspections, Medical Fitness Certificates, continuous housekeeping signage, training. PPE etc.	1x1=1	1
7.3	Laying of underground sewer line	1.Poor working posture, 2.Dust 3.Restricted working space 4.Abrasive surfaces 5.Sharp edges	1.Muscular strain 2.Dust Inhalation 3.Bruising 4. Grazing 5. Cuts etc.	None	None	2x3=6	HIRA, Competent Management, Competent Supervision, safe systems of work. Tools and equipment inspections, Medical Fitness Certificates, continuous	1x2=2	1

		etc.					housekeeping signage, training. PPE etc.		
REF NO	SUB ACTIVITY	HAZARDS SHE	HEALTH RISK	ENVIRO MENTAL RISK	PUBLIC RISK	PURE RISK	RECOMMENDED RISK CONTROL MEASURE	RESIDUAL RISK	Risk Prioritisation Number
7									
7.4	Backfilling and levelling	1.Noise dust, 2.Hot climatic conditions 4.Heated surface 5.Vibration 6.Moving equipment and machinery	1.Noise induced hearing loss 2.Heat exhaustion 3.Dermatitis 4. Burns 5.Work related upper limb disorder 6.Fractures, death, ,dust inhalation ,burns, etc.	None	Struck by falling material, tripping etc.	3x3=9	HIRA, Competent Management, Competent Supervision, safe systems of work. Tools and equipment inspections, Medical Fitness Certificates, continuous housekeeping signage, barricading, training. PPE etc.	2x2=4	1
7.5	Sanitary Fittings	1.Abrasive surfaces 2.Poor working posture	1. Abrasions 2.Muscular strain	None	None	3x2=6	HIRA, Competent Management, Competent Supervision, safe systems of work. Tools and equipment inspections, Medical Fitness Certificates, continuous housekeeping signage, training. PPE etc.	2x1=2	1

MAIN ACTIVITY	General On site Activities								
REF NO	SUB ACTIVITY	HAZARDS SHE	HEALTH RISK	ENVIRO MENTAL RISK	PUBLIC RISK	PURE RISK	RECOMMENDED RISK CONTROL MEASURE	RESIDUAL RISK	Risk Prioritisation Number
8									
8.1	Grinding	1. Flying particles 2.Electricity 3.Vibration 4.Noise 5. Dust 6.High speed rotating components etc.	1. Eye injuries 2.Electrocution 3. White finger Syndrome 4.Noise induced hearing loss 5. Dust inhalation 6.Cuts etc.	None	1.Noise 2.Eye Injuries 3.Dust etc.	3x4=12	HIRA, Competent Management, Competent Supervision, safe systems of work. Tools and equipment inspections, Medical Fitness Certificates, continuous housekeeping signage, screening, training. PPE etc.	2x2=4	1
8.2	Chiselling	1.Repetitive motion 2.Sharp edges 3.Struck by 4.Noise, 5. Flying particles etc.	1.Muscular strain 2.Fractures 3.Noise induced hearing loss etc.	None	None	3x3=9	HIRA, Competent Management, Competent Supervision, safe systems of work. Tools and equipment inspections, Medical Fitness Certificates, continuous housekeeping signage, training. PPE etc.	1x1=1	1
8.3	Painting	1.Repetitive Motion 2.HCS 3. High environmental temperatures	1.Muscular Strain 2. Dermatitis 3. Heat exhaustion	1. Contamination of natural resources due to wrong disposal of waste	None	3x2=6	HIRA, Competent Management, Competent Supervision, safe systems of work. Tools and equipment inspections, Medical Fitness Certificates, continuous	1x1=1	1

							housekeeping signage, training. PPE etc.		
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Hazardous Biological Agents BASELINE RISK ASSESSMENT

The Hazardous Biological Agents hazard identification and risk assessment aims to determine the level of risk exposure on site and for contractors to implement the control measures.

ACTIVITY / IDENTIFIED POTENTIAL AREA OF EXPOSURE TO Hazardous Biological Agents	HAZARDS SHE	HEALTH RISK	RECOMMENDED RISK CONTROL MEASURE
Exposure of employees entering the workplace with Hazardous Biological Agents	1.Contracting Infection that can ,cause illness 2.Exposure to Hazardous Biological Agents	1.Respiratory infection that can lead to fatality's 2. Fever, cough, fatigue	1. Promotion and training in good personal hygiene practises. 2.Hygiene requirements (handwashing etc.) and symptoms of 3. CV19 included with Induction. 4.CV19 Information posters placed in accessible locations in the workplace 5.All employees and visitors, to receive induction training 6.Adequately train identified personnel to perform regular COVID-19 screenings 7. Provide compulsory medical screening equipment and keep documented record of screenings and should an employee be tested positive, then such an

Display symptoms within the workplace	<p>1. Transmitting the virus on to other employees, causing illness and possible death</p> <p>2. Enhancing the possibility of spreading the Covid 19 pandemic</p>	<p>1. Bacteria(Hepatitis B)</p> <p>2. Influenza</p> <p>3. Burn and skin irritation</p>	<p>1. The individual will be advised seek medical attention.</p> <p>2. Relevant PPE to be issued All employees to receive awareness training on biological agents and personal hygiene (Toolbox talks)</p> <p>3. Compulsory medical surveillance and keep documented record</p> <p>4. Vaccination to prevent employees from contracting bacteria(Hepatitis B)</p>
Contaminated workplace	<p>Workers catching infection due to contaminated surfaces, causing illness and possible death</p>	<p>1. Bacteria(Hepatitis B)</p> <p>2. Influenza</p> <p>3. Burn and skin irritation</p>	<p>1. Promotion and training in good personal hygiene practises.</p> <p>2. Hand sanitisers to be placed in readily accessible locations.</p> <p>Extra hygiene requirements enforced.</p> <p>3. PPE to be issued Clean and disinfect objects that are regularly touched</p>
Use of handtools or equipment onsite	<p>Workers catching CV19 due to working closely with infected colleagues, causing illness and possible death</p>	<p>1. fever, dry cough</p> <p>2. Tiredness, aches and pains</p> <p>sore throat, diarrhoea</p> <p>conjunctivitis, headache</p> <p>loss of taste or smell, a rash on skin, or discolouration of fingers or toes</p>	<p>1. Daily disinfecting of all work surfaces, construction work vehicles, portable working tools and equipment prior to resuming construction work.</p> <p>2. Hand sanitisers to be placed in readily accessible locations.</p> <p>3. A formal training program implemented to cover risks, symptoms and control measures.</p> <p>4. All employees to receive awareness training on COVID-19 and personal hygiene (Toolbox talks)</p>

Transportation of workers to workplace	Workers catching CV19 due to sitting closely with infected colleagues, causing illness and possible death	1.fever, dry cough 2.Tiredness, aches and pains sore throat, diarrhoea conjunctivitis, headache loss of taste or smell, a rash on skin, or discolouration of fingers or toes	1. Adhere to general travel ban by SA Government no over crowding in the transport 70% load capacity 2. Social Distancing policy implemented. All work areas and activities been reevaluated for the possibility of implementing social distancing (no handshaking, deferring large meetings etc.) 3.Relevant PPE to be issued Clean and disinfect objects that are regularly touched 4.CV19 Information posters placed in accessible locations in the workplace 5.All employees and visitors, to receive induction training
Change rooms and dinning facility	A worker catches CV19 because a colleague continues working despite being unwell, causing further spread of disease and possible death	1.fever, dry cough 2.Tiredness, aches and pains sore throat, diarrhoea conjunctivitis, headache loss of taste or smell, a rash on skin, or discolouration of fingers or toes	1.decontamination of all facility regularly and provide hygiene requirements (handwashing etc.) and 2.CV19 Information posters placed in accessible locations in the workplace 3.Relevant PPE to be issued Clean and disinfect objects that are regularly touched 4. Provision of hand sanitisers, paper towel, soap and water for employee's onsite. 5. Hand sanitizers should be strategically placed at entrances and common areas. 6. Dining facilities and change rooms onsite be arranged to allow for half a meter physical distancing.
First Aid Training	Workers exposed to CV19 due to providing First Aid in the workplace or during CPR	1.fever, dry cough 2.Tiredness, aches and pains sore throat, diarrhoea conjunctivitis, headache	1.Proper training of First Aid staff 2.Use of correct equipment while giving First Aid 3.Maintaining proper mannequin hygiene 4.Relevant PPE to be issued Clean and disinfect objects that are regularly touched

		loss of taste or smell, a rash on skin, or discolouration of fingers or toes	
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SAMPLE OHS BILL OF QUANTITIES TO BE RETURNED WITH SHE PLAN SUBMISSION

HEALTH AND SAFETY IMPLEMENTATION AND MANAGEMENT COSTING

The Contractor must complete this sample sheet and submit with his SHE Plan. Items may be added or removed as required by the Contractor.

ITEM	DESCRIPTION	UNIT	QUAN- TITY	MONTHS (Indicative)	RATE	AMOUNT (a)x(b)
1	<u>MEDICALS</u>					
1.1	Pre-employment medical	Nr.				

1.2	Psychological medical for working at heights	Nr.				
1.3	Psychological medical for working motorized equipment & construction machinery	Nr.				
1.4	Routine medical as per requirement of job activities	Nr.				
1.5	Re-medicals - yearly	Nr.				
	OTHER ITEMS					
	TOTAL					
2	<u>PERSONAL AND GENERAL PROTECTIVE EQUIPMENT</u>					
2.1	Overalls Blue					
2.2	Hard Hats					
2.3	Safety Boots/Shoes. Steel toecap Gumboots					
2.4	Gloves					
2.5	Hearing Protection					
2.6	Eye Protection					
2.7	Reflective vests					
2.8	Orange Star Netting - 1.2m High	m				
2.9	Orange Plastic road cones	Nr.				
2.10	Dust masks	Nr.				
	OTHER ITEMS					
	TOTAL					
3	FIRE FIGHTING					
3.1	Fire extinguishers - 4.5Kg	Nr.				
3.2	Training	Nr.				
3.3	Other - Drip trays	Nr.				
	OTHER ITEMS					
	TOTAL					
4	HEALTH AND SAFETY PERSONNEL					
4.1	Full Time Safety Officer	Nr.				
4.2	Fire Watchers	Nr.				

4.3	First aiders	Nr.				
4.4	Construction Phase SHE Plan					
	OTHER ITEMS					
	TOTAL					
5	FACILITIES					
5.1	Provision of ablution facilities	Nr.				
5.2	Service and maintenance of ablution facilities	Nr.				
5.3	Provision of eating areas	Nr.				
5.4	Cleaning of Lay down and other storage areas	Nr.				
5.5	Wash hand basin	Nr.				
5.6	Hot and Cold running water	Nr.				
	OTHER ITEMS					
	TOTAL					
6	FALL PREVENTION / PROTECTION					
6.1	Safety harnesses with double lanyards	Nr.				
6.2	Lanyard extenders	Nr.				
6.3	Scaffold hooks	Nr.				
6.4	Lifelines and vertical fall arrest systems	Nr.				
6.5	Scaffolding – material, erection and inspection (Estimate for project)	Nr.				
6.6	Temporary hand railing material and kick flats	Nr.				
6.7	Chin Straps/Toolbags/Wrist straps	Nr.				
	OTHER ITEMS	Item				
	TOTAL					
7	VEHICLE / MOBILE EQUIPMENT UPGRADE FOR USE ON SITE					
7.1	Rotating orange light	Nr.				
7.2	Flag as per procedure	Nr.				
7.3	Fire extinguisher - 4.5Kg	Nr.				

7.4	First aid box	Nr.				
7.5	Reflector tape	m				
7.6	Danger Tape	Rolls				
7.7	Signage	Nr.				
7.8	Directional control Signage	N/r				
	OTHER ITEMS					
	TOTAL					
9	INSURANCES					
9.1	COVID cover for the project	Nr.				
9.2	Liability insurances	Nr.				
	TOTAL					
10	FIRST AID					
10.1	First aid boxes	Nr.				
10.2	Rescue equipment and stretchers	Nr.				
10.3	Replenishment of boxes and other supplies	Nr.				
	OTHER ITEMS					
	TOTAL					
11	TRAINING					
11.1	SHE Representative	Nr.				
11.2	Supervisor A2	Nr.				
11.3	First Aid Level 1	Nr.				
11.4	Fire Fighting	Nr.				
11.5	Legal Liability	Nr.				
11.6	Scaffold Inspector					
11.7	Scaffold Erector					
11.8	Basic Working at Heights					

	OTHER ITEMS					
	TOTAL					
12	SIGNAGE					
12.1	All signage as required by law: regulatory, warning and information	Nr				
	OTHER ITEMS					
	TOTAL					
13	ELECTRICAL					
13.1	Locks required for lockouts	Nr.				
13.2	Tags	Nr.				
13.3	Permit books	Nr				
13.4	Callipers	Nr				
13.5	Key safes	Nr				
	OTHER ITEMS					
	TOTAL					
14	PLANT & SCAFFOLDING					
14.3	Scaffolding and related items eg Tags, Signage etc					
	OTHER ITEMS					
15	COVID 19 MANAGEMENT REQUIREMENTS					
15.1	Cloth Masks (2 per employee)	Nr				
15.2	Disposable Masks (Visitors and temp replacement for lost cloth masks etc)	Nr				
15.3	Face shields (First Aiders only)	Nr				
15.4	Additional Cleaning staff to maintain hygiene standards	Nr				
15.5	Non- Contact Temperature scanners (2x per site entrance)	Nr				
15.6	Spray Bottles (1 and 5l)	Nr				
15.7	Sanitiser (70% alcohol based)	Qty				
15.8	Sanitising fluids(eg Jik)	Qty				
15.9	Wiping materials eg Cloths, "Wipes"	Qty				

15.10	Disposal of contaminated materials eg wipes, rags etc					
15.11	Covid signage , posters, checklists etc					
15.12	Covid training (First Aiders,Covid Manager, Compliance officer etc					
15.2	Site Sanitisation on Covid positive diagnosis					
	OTHER ITEMS					
	TOTAL					



DEPARTMENT OF HEALTH: DRIEFONTEIN CLINIC: UPGRADE OF SEWER TREATMENT PLANT

ANNEXURE 6

HEALTH AND SAFETY BILL OF QUANTITIES

HEALTH AND SAFETY IMPLEMENTATION COSTING

Contractor to give a breakdown of his Health and Safety costs on this sheet.

ITEM	DESCRIPTION	UNIT	QUAN- TITY	MONTHS (Indicative)	RATE	AMOUNT
			(a)		(b)	(a) x (b)
1	MEDICALS					
1.1	Pre-employment medical	Nr.	-			
1.2	Re-medicals - yearly	Nr.	-			
	TOTAL					
2	PERSONAL PROTECTIVE EQUIPMENT					
2.1	Overalls	Nr.				
2.2	Hard Hats	Nr.				
2.3	Safety boots/shoes	Nr.				
2.4	Gloves	Nr.				
2.5	Gumboots steel toe cap	Nr.				
2.6	Safety glasses	Nr.				
2.7	Reflector Bibs	Nr.				
2.8	Barricading Material	M				
2.9	Dust masks	Box 20				
	TOTAL					
3	FIRE FIGHTING					
3.1	Fire extinguishers - 4.5Kg	Nr.				
3.2	Surveys - Annual Service	Nr.				
	TOTAL					
4	HEALTH AND SAFETY PERSONNEL					
4.1	Safety Manager	Nr.				
4.2	Safety Officer	Nr.				
4.3	Construction Phase Safety, Health, Environmental and Waste Management Plan	Nr.				
	TOTAL					
5	FACILITIES					
5.1	Provision of ablution facilities	Nr.				
5.2	Service and maintenance of ablution facilities	Nr.				
5.3	Provision of eating areas	Nr.				
5.4	Cleaning of Lay down and other storage areas	Nr.				
5.5	Wash hand basin	Nr.				
5.6	Hot and Cold running water	Nr.				
5.7	Degreasing & Toilet soap	Nr.				
	TOTAL					

6	FALL PREVENTION / PROTECTION					
6.1	Safety harnesses with double lanyards	Nr.				
6.2	Safety harnesses with Scaffold hooks	Nr.				
6.3	Lifelines and vertical fall arrest systems	Nr.				
6.4	Scaffolding – material, erection and inspection (Estimate for project)	Nr.				
6.5	Temporary hand railing material and kick flats	Nr.				
6.6	Chin Straps	Nr.				
	TOTAL					
7	FIRST AID					
7.1	Replenishment of boxes and other supplies	Nr				
	TOTAL					
8	TRAINING					
8.1	SHE Representative	Nr.				
8.2	First Aid Level 1	Nr.				
8.3	Fire Fighting	Nr.				
	TOTAL					
9	SIGNAGE					
9.1	All Signage as required by Law, regulatory, warning and information	Nr.				
9.2	Posters for awareness	Nr.				
	TOTAL					
10	ELECTRICAL					
10.1	Replacement of Locks required for lockouts	Nr.				
10.2	Replacement of tags	Nr.				
10.3	Replacement for Permit books	Nr.				
10.4	Replacement of Callipers	Nr.				
	TOTAL					
11	OTHERS (Project Specific)					
11.1		Nr.				
	TOTAL					
GRAND TOTAL TO BE CARRIED TO THE PRELIMINARIES AND GENERAL IN BILL OF QUANTITIES						



DEPARTMENT OF HEALTH: DRIEFONTEIN CLINIC: UPGRADE OF SEWER TREATMENT PLANT

ANNEXURE 7

BUILDERS LIEN AGREEMENT

WAIVER OF CONTRACTOR'S LIEN

DEFINITIONS

Contractor: _____

Employer: Head: Public Works (KZN Department of Public Works: Province of KwaZulu-Natal)

Agreement: GCC FOR CONSTRUCTION WORKS - SECOND EDITION 2010

Works (description):

**DEPARTMENT OF HEALTH: DRIEFONTEIN CLINIC: UPGRADE OF SEWER
TREATMENT PLANT**

Site:

Kwa-Zulu Natal: Uthukela District Municipality: Alfred Duma Local Municipality: Ward Nr.
17

AGREEMENT

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

Thus done and signed at _____ on _____
[Date]

Name of signatory

Capacity of signatory

As witness

For and on behalf of the contractor who by
signature hereof warrants authorisation
hereto



DEPARTMENT OF HEALTH: DRIEFONTEIN CLINIC: UPGRADE OF SEWER TREATMENT PLANT

ANNEXURE 8

GEOTECHNICAL INVESTIGATION REPORT



DEPARTMENT OF HEALTH: DRIEFONTEIN CLINIC: UPGRADE OF SEWER TREATMENT PLANT

ANNEXURE 9

EPWP EMPLOYMENT CONTRACT



(Insert Your Company Logo)

(This shall serve as the cover page on employment contracts for local labour)

EMPLOYMENT AGREEMENT

BETWEEN

[CONTRACTOR NAME].....

AND

[WORKER NAME].....

1. PARTIES

The Parties to this Agreement are -

1.1. Contractor: _____

herein represented by: _____

duly authorised thereto

And

1.2. Mr / Me: _____

[worker's name]

2. DEFINITIONS AND INTERPRETATION

2.1. In this Agreement and any Annexure thereto, unless inconsistent with or otherwise indicated by the context-

“Agreement” means the contents of this Agreement.

“Company” means the company that employs the worker

“Department” means the Department of Public Works

“Worker” is a person that performs a specific or necessary task or who completes tasks in a certain way

“EPWP” The Expanded Public Works Programme is a government programme aimed at the alleviation of poverty and unemployment. The programme ensures the full engagement on Labour Intensive Methods of Construction (LIC) to contractors for skills development. The EPWP focuses at reducing unemployment by increasing economic growth by means of improving skills levels through education and training and improving the enabling environment for the industry to flourish.

3. PURPOSE

The purpose of this agreement is to:-

Ensure that the agreement is binding to both the Worker and the Employer.

4. TERMS AND CONDITIONS

- The worker will have no entitlement to the benefits of a full time employee, namely;

- The worker should not have the expectation that this contract will be renewed or extended.
- The worker will be subject to all laws, rules, policies, codes and procedures applicable to the;

- The worker must meet the standards and requirements of the contractor
- The worker must render his/her services during normal working hours of minimum of forty to fifty five hours in any week; which comprise of an eight-hour working day in a five-day week.

5. REMUNERATION

The worker will receive compensation to the amount of R_____00 which must be paid by the 25th or on the last day of each month.

6. ROLES AND RESPONSIBILITIES

6.1 Employer / Worker

- Work for _____ in terms of the period as specified in the employment agreement contract.
- Be available for and participate in all learning and work experience required by the company.
- Comply with workplace policies and procedures.
- Complete any attendance or any written assessment tools supplied by the contractor to record relevant workplace experience.
- Demonstrate willingness to grow and learn through work experience.

Provide the following documentation to the employer,

- Certified identity document not longer than 3 months
- ID size photos
- Sign employment contract

6.2 Employer

- Employ the worker for a period specified in the agreement.
- Provide the worker with appropriate work based experience in the work environment.
- Facilitate payments of wages / stipends.
- Keep accurate records of workers.
- Where a worker/ learner is disabled, the employer will have to provide in the additional needs e.g. special materials, learning aids and in some cases physical or professional support (such aids remain the property of the employer).
- Keep up to date records of learning and discuss progress with the intern on a regular basis.
- Apply fair disciplinary, grievance and dispute resolution procedures to the worker.
- Prepare an orientation/ induction course to introduce worker/ learner to the workplace and specific workplace requirements.
- Ensure the daily attendance register is signed by the worker.

7. DURATION.

This agreement commences on: _____

and

expires on: _____

8. BREACH.

If either party commits any breach of the terms of this contract (and fails to rectify it within 30 days of receipt of a written notice calling it to do so, then) the other party shall be entitled to terminate the contract or to claim specific performance without prejudice to any of its other legal rights, including its rights to claim damages.

9. CONDITIONS OF EMPLOYMENT

9.1. Meal Breaks

- 9.1.1 A worker may not work for more than five hours without taking a meal break of at least thirty minutes duration.
- 9.1.2 An employer and worker may agree on longer meal breaks.
- 9.1.3 A worker may not work during a meal break. However, an employer may require a worker to perform duties during a meal break if those duties cannot be left unattended and cannot be performed by another worker. An employer must take reasonable steps to ensure that a worker is relieved of his or her duties during the meal break.
- 9.1.4 A worker is not entitled to payment for the period of a meal break. However, a worker who is paid on the basis of time worked must be paid if the worker is required to work or to be available for work during the meal break.

9.2. Special Conditions for Security Guards (Only applicable to security Guards)

- 9.2.1 A security guard may work up to 55 hours per week and up to eleven hours per day.
- 9.2.2 A security guard who works more than ten hours per day must have a meal break of at least one hour or two breaks of at least 30 minutes each.

9.3. Weekly Rest Period

Every worker must have two days off every week. A worker may only work on their day off to perform work which must be done without delay and cannot be performed by workers during their ordinary hours of work ("emergency work").

9.4. Work on Sundays and Public Holidays

- 9.4.1 A worker may only work on a Sunday or public holiday to perform emergency or security work.
- 9.4.2 Work on Sundays is paid at the ordinary rate of pay.
- 9.4.3 A task-rated worker who works on a public holiday must be paid;
- (a) the worker's daily task rate, if the worker works for less than four hours;
 - (b) double the worker's daily task rate, if the worker works for more than four hours.
- 9.4.4 A time-rated worker who works on a public holiday must be paid
- (a) the worker's daily rate of pay, if the worker works for less than four hours on the public holiday;
 - (b) double the worker's daily rate of pay, if the worker works for more than four hours on the public holiday.

9.5 Sick leave

- 9.5.1 Only workers who work more than 24 hours per month have the right to claim sick-pay in terms of this clause.
- 9.5.2 A worker who is unable to work on account of illness or injury is entitled to claim one day's paid sick leave for every full month that the worker has worked in terms of a contract.
- 9.5.3 A worker may accumulate a maximum of twelve days' sick leave in a year.
- 9.5.4 Accumulated sick-leave may not be transferred from one contract to another contract.
- 9.5.5 An employer must pay a task-rated worker the worker's daily task rate for a day's sick leave.
- 9.5.6 An employer must pay a time-rated worker the worker's daily rate of pay for a day's sick leave.
- 9.5.7 An employer must pay a worker sick pay on the worker's usual payday.
- 9.5.8 Before paying sick-pay, an employer may require a worker to produce a certificate stating that the worker was unable to work on account of sickness or injury if the worker is
- (a) absent from work for more than two consecutive days; or
 - (b) absent from work on more than two occasions in any eight-week period.

- 9.5.9 A medical certificate must be issued and signed by a medical practitioner, a qualified nurse or a clinic staff member authorised to issue medical certificates indicating the duration and reason for incapacity.
- 9.5.10 A worker is not entitled to paid sick-leave for a work-related injury or occupational disease for which the worker can claim compensation under the Compensation for Occupational Injuries and Diseases Act.

9.6. Maternity Leave

- 9.6.1 A worker may take up to four consecutive months' unpaid maternity leave.
- 9.6.2 A worker is not entitled to any payment or employment-related benefits during maternity leave.
- 9.6.3 A worker must give her employer reasonable notice of when she will start maternity leave and when she will return to work.
- 9.6.4 A worker is not required to take the full period of maternity leave. However, a worker may not work for four weeks before the expected date of birth of her child or for six weeks after the birth of her child, unless a medical practitioner, midwife or qualified nurse certifies that she is fit to do so.
- 9.6.5 A worker may begin maternity leave as follows;
- (a) four weeks before the expected date of birth; or
 - (b) on an earlier date
 - (i) if a medical practitioner, midwife or certified nurse certifies that it is necessary for the health of the worker or that of her unborn child; or
 - (ii) if agreed to between employer and worker; or
 - (c) on a later date, if a medical practitioner, midwife or certified nurse has certified that the worker is able to continue to work without endangering her health.
- 10.6 A worker who has a miscarriage during the third trimester of pregnancy or bears a stillborn child may take maternity leave for up to six weeks after the miscarriage or stillbirth.

9.7. Family responsibility leave

9.7.1 Workers, who work for at least four days per week, are entitled to three days paid family responsibility leave each year in the following circumstances;

- (a) when the employee's child is born;
- (b) when the employee's child is sick;
- (c) in the event of a death of
 - (i) the employee's spouse or life partner;
 - (ii) the employee's parent, adoptive parent, grandparent, child, adopted child, grandchild or sibling.

9.8. Keeping Records

9.8.1 Every employer must keep a written record on site for the duration of the project and three (3) year after completion records should consists of at least the following;

- (a) the worker's name and position;
- (b) copy of an acceptable worker identification
- (c) in the case of a task-rated worker the number of tasks completed by the worker;
- (d) in the case of a time-rated worker, the time worked by the worker;
- (e) payments made to each worker in a form of Proof of Payment, Payroll registers and the acknowledgement of payment receipt signed by the worker.

9.8.2 The employer must keep this record for a period of at least three years after the completion of the EPWP.

9.9. Payment

9.9.1 An employer must pay all wages at least monthly in cash or by cheque or into a bank account.

9.9.2 A worker may not be paid less than the Ministerial Determination wage rate.

9.9.3 A task-rated worker will only be paid for tasks that have been completed.

9.9.4 An employer must pay a task-rated worker within five weeks of the work being completed and the work having been approved by the manager or the contractor having submitted an invoice to the employer.

9.9.5 A time-rated worker will be paid at the end of each month.

9.9.6 Payment must be made in cash, by cheque or by direct deposit into a bank account designated by the worker.

9.9.7 Payment in cash or by cheque must take place

- (a) at the workplace or at a place agreed to by the worker;
- (b) during the worker's working hours or within fifteen minutes of the start or finish of work;
- (c) in a sealed envelope which becomes the property of the worker.

9.9.8 An employer must give a worker the following information in writing

- (a) the period for which payment is made;
- (b) the numbers of tasks completed or hours worked;
- (c) the worker's earnings;
- (d) any money deducted from the payment;
- (e) the actual amount paid to the worker.

9.9.9 If the worker is paid in cash or by cheque, this information must be recorded on the envelope and the worker must acknowledge receipt of payment by signing for it.

9.9.10 If a worker's employment is terminated, the employer must pay all monies owing to that worker within one month of the termination of employment.

9.10. Inclement weather

If no work has begun on site, and if an employee has reported for work, the employee will be paid for four hours. Should work be stopped after the first four hours, the employee will be paid for the hours worked. Where the employer has given employees notice on the previous working day that no work will be available due to inclement weather, then no payment will be made.

9.11. Deductions

9.11.1 An employer may not deduct money from a worker's payment unless the deduction is required in terms of a law.

9.11.2 An employer must deduct and pay to the SA Revenue Services any income tax that the worker is required to pay.

9.11.3 An employer who deducts money from a worker's pay for payment to another person must pay the money to that person within the time period and other requirements specified in the agreement of Law; court order or arbitration

9.11.4 It is the responsibility of the employers to arrange for all persons employed on a Project to be covered in terms of the Unemployment Insurance Fund Contributions Act, 2002 (Act No. 4 of 2002)

9.11.5 An employer may not require or allow a worker to

- (a) repay any payment except an overpayment previously made by the employer by mistake;

- (b) state that the worker received a greater amount of money than the employer actually paid to the worker; or
- (c) pay the employer or any other person for having been employed.

9.12. Health and Safety

9.12.1 Employers must take all reasonable steps to ensure that the working environment is healthy and safe.

9.12.2 A worker must;

- (a) work in a way that does not endanger his/her health and safety or that of any other person;
- (b) obey any health and safety instruction;
- (c) use any personal protective equipment or clothing issued by the employer;
- (d) report any accident, near-miss incident or dangerous behaviour by another person to their employer or manager.

9.13. Compensation for Injuries and Diseases

9.13.1 It is the responsibility of the employers to arrange for all persons employed on a Project to be covered in terms of the Compensation for Occupational Injuries and Diseases Act, 130 of 1993 as amended by COIDA Act 61, 1997.

9.13.2 A worker must report any work-related injury or occupational disease to their employer or manager.

9.13.3 The employer must report the accident or disease to the Compensation Commissioner.

9.13.4 An employer must pay a worker who is unable to work because of an injury caused by an accident at work 75% of their earnings for up to three months. The employer will be refunded this amount by the Compensation Commissioner. This does NOT apply to injuries caused by accidents outside the workplace such as road accidents or accidents at home.

9.14. Termination

9.14.1 The employer may terminate the employment of a worker for good cause after following a fair procedure.

9.14.2 A worker will not receive severance pay on termination.

9.14.3 A worker is not required to give notice to terminate employment. However, a worker who wishes to resign should advise the employer in advance to allow the employer to find a replacement.

9.14.4 A worker **who is absent for more than three consecutive days** without informing the employer of an intention to return to work will have terminated the contract. However, the worker may be re-engaged if a position becomes available.

9.14.5 A worker who does not attend required training events, without good reason, will have terminated the contract. However, the worker may be re-engaged if a position becomes available.

Notice procedure is as follows;

- One week if employed for four weeks or less
- Two weeks if employed for more than four weeks but not more than a year
- Four weeks if employed for one (1) year or more

9.15. Certificate of Service

9.15.1 On termination of employment, a worker is entitled to a certificate stating;

- (a) the worker's full name;
- (b) the name and address of the employer;
- (c) the Project on which the worker worked; the work performed by the worker;
- (d) any training received by the worker;
- (e) the period for which the worker worked on the Project; and
- (f) any other information agreed on by the employer and worker.

9.16. DOMICILE

The address to which notices and all legal documents may be delivered or served are as follows:

Employee Details

Name & Surname: _____

ID No: _____

Residential Address: _____

Contact No: _____

Date of Employment: _____

To be supervised by: _____ Main Contractor:
or Sub Contractor:

Category of employment: _____ Skilled:
Semi-skilled:
Unskilled:

For Skilled & Semi-skilled state the trade: _____

Period of employment: Fixed for until when your services are still required on site

I confirm that I have been inducted and fully understand the condition of my appointment.

Employee Signature: _____ Witness by SGB/CLO: _____

Signature by Witness: _____

Employer Details

Name & Surname: _____

Designation: _____

Contact No: _____ Signature: _____



DEPARTMENT OF HEALTH: DRIEFONTEIN CLINIC: UPGRADE OF SEWER TREATMENT PLANT

ANNEXURE 10

ATTENDANCE REGISTER - INFRASTRUCTURE AND OTHER PROJECTS



EXPANDED PUBLIC WORKS PROGRAMME

The Attendance Register for on-site Workers

Reporting month: _____
Surname: _____

Cell No: _____
First Name: _____

Project Name: **DEPARTMENT OF HEALTH: DRIEFONTEIN CLINIC: UPGRADE OF SEWER TREATMENT PLANT**

Project Code: **WIMS 066058**

Tender No **ZNTL04204W**

IDENTITY NUMBER: _____

Day	Date	Time In	Signature	Time Out	Signature	Report On Any Formal Training Provided In The Reporting Month
WEEK 1						
MONDAY						
TUESDAY						
WEDNESDAY						
THURSDAY						
FRIDAY						
WEEK 2						
MONDAY						
TUESDAY						
WEDNESDAY						
THURSDAY						
FRIDAY						
WEEK 3						
MONDAY						
TUESDAY						
WEDNESDAY						
THURSDAY						
FRIDAY						
WEEK 4						
MONDAY						
TUESDAY						
WEDNESDAY						
THURSDAY						
FRIDAY						
WEEK 5						
MONDAY						
TUESDAY						
WEDNESDAY						
THURSDAY						
FRIDAY						
Total Days worked						



DEPARTMENT OF HEALTH: DRIEFONTEIN CLINIC: UPGRADE OF SEWER TREATMENT PLANT

ANNEXURE 11

EPWP DATA COLLECTION TOOL FOR PHASE 3 SYSTEM

BUSINESS PLAN

Reference No	
Profile ID	
Project Name	
Project Details	
Project Name	
Project Reference Number	
Project description	
Project Start Date	
Project End Date	
Estimated Budget	
Project Location	
Province	
District/Metro Municipality	
Local Municipality/Metro Region	
Latitude (in decimal format)	
Longitude (in decimal format)	
Public Body Details	
Public body sphere	
Reporting public body that is the project owner (and will report on the project)	
Implementing public body type	
Public body that will implement the project	
IDP reference number allocated to the project	
EPWP Details	
EPWP Sector	
EPWP Program	
EPWP Sub programme	
Budget Amount	
April 2014/March 2015	
April 2015/March 2016	
Total Budget Amount	
Wages	
UIF	
COIDA	
Training	
Administration	
Equipment and materials	
Other	
Describe other	
Outputs and Training	
Output	
Description	
Target Quantity	
Number of persons to be trained	
Contact person	
Title	
Initials	
First Name	
Surname	
Email	
Tel (Office)	
Fax Number	
Cell Number	
Physical Address 1	
Physical Address 2	
Physical Address 3	
Physical Address 4	
Postal Address 1	
Postal Address 2	
Postal Address 3	
Postal Address 4	



DEPARTMENT OF HEALTH: DRIEFONTEIN CLINIC: UPGRADE OF SEWER TREATMENT PLANT

ANNEXURE 12

**MONTHLY DATA, WORKER PAYMENT AND WORKER TRAINING
CAPTURE FORM**

KZN PUBLIC WORKS

Monthly Data collection for LOCAL Labour



Name of Contractor: _____

Project Code: **WIMS 066058**

Project location name (area): _____

Name of Project: _____

DEPARTMENT OF HEALTH: DRIEFONTEIN CLINIC: UPGRADE OF SEWER TREATMENT PLANT

Reporting month: _____

Project location (Ward No.): _____

No	First Name	Initial	Surname	Beneficiary Details													Experience/Literacy				Location Details				Household Details																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
				ID number										D.O.B	Gender F/M	Disability Y/N	Start Date on the current month	End Date on the current month	Total days worked	Job description	Registered on UIF (Y/N)	Registered with COIDA (Y/N)	Are you receiving any Gov grant? (Y/N)	1st Language	Other Language 1	Other Language 2	Education Level (See Codes below)	Highest Level of Education	Address	Ward No.	Cell No.	Nationality	No. of people in Household	No. of Dependants in Household	No. of Children attending school																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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- Education Levels – use the codes (1,2,3) on the excel spreadsheet
- o (1) Unknown
 - o (2) No Schooling
 - (3) Grade 1-3 (Sub A – Std 1)
 - (4) Grade 4 (Std 2) ABET 1
 - (5) Grade 5-6 (Std 3-4) ABET 2
 - (6) Grade 7-8 (Std 5-6) ABET 3
 - (7) Grade 9 (Std 7) ABET 4
 - (8) Grade 10-11 (Std 8-9)
 - (9) Grade 12 (Std 10)
 - (10) Post Matric

Contractor sign: _____

DPW Official/Consultant sign: _____

EPWP Official sign: _____

Designation: _____

Designation: _____

Designation: _____

Date: _____

Date: _____

Date: _____

Contact no: _____

Contact no: _____

Contact no: _____

KZN PUBLIC WORKS



KWAZULU-NATAL PROVINCE
PUBLIC WORKS
REPUBLIC OF SOUTH AFRICA



Worker payment capture form for LOCAL Labour

Name of Contractor: _____

Project Code: **WIMS 066058**

Name of Project: **DEPARTMENT OF HEALTH: DRIEFONTEIN
CLINIC: UPGRADE OF SEWER TREATMENT
PLANT**

Reporting month: _____

Payment Upload

No.	First Name	Initials	Surname	Identity No.	D.O.B	Job Description	Daily Wage Rate	Total Paid Days	Total Amount Paid	Total days Worked Days
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										

Contractor sign: _____
Designation: _____
Date: _____
Contact no: _____

DPW Official/Consultant sign: _____
Designation: _____
Date: _____
Contact no: _____

EPWP Official sign: _____
Designation: _____
Date: _____
Contact no: _____

KZN PUBLIC WORKS

Worker Training capture form for LOCAL Labour



KWAZULU-NATAL PROVINCE
PUBLIC WORKS
REPUBLIC OF SOUTH AFRICA



EXPANDED PUBLIC WORKS PROGRAMME
EMPLOYMENT GROWTH THROUGH PUBLIC WORKS

Name of Contractor: _____

Name of Project: _____

**DEPARTMENT OF HEALTH: DRIEFONTEIN CLINIC: UPGRADE
OF SEWER TREATMENT PLANT**

Project Code: _____

WIMS 066058

Reporting month: _____

Training														
No	Name	Surname	ID No.	Job description	Course Name	Was training Accredited or Non - accredited by a relevant SETA	Start date on current month	End date on current month	Training Days Paid	Training Days Not Paid	Total Number of Training Days	Cost per trainee	Is training complete or on - going	Name of Training Provider
1														
2														
3														
4														
5														
6														
7														
8														
9														
10														
11														
12														
13														
14														
15														

Contractor sign: _____

Designation: _____

Date: _____

Contact no: _____

DPW Official/Consultant sign: _____

Designation: _____

Date: _____

Contact no: _____

EPWP Official sign: _____

Designation: _____

Date: _____

Contact no: _____

Location

Locality Name	
Municipality	
Subplace	
Ward	
Government Facility	
Latitude	
Longitude	
Physical Address/Location	