



# CONTRACT NO: IDS (WWTP) 03/2024

TENDERS ARE HEREBY INVITED FOR THE APPOINTMENT OF A SERVICE PROVIDER FOR THE COMPLIANCE MONITORING IN TERMS OF THE LICENSE CONDITIONS FOR THE FLIP HUMAN, MAGALIESBURG & PERCY STEWART WASTEWATER TREATMENT WORKS FOR THE PERIOD OF THREE (3) YEARS.

Compulsory Briefing Session will be held on Friday 9 February 2024 at 14:00pm at Mayoral Palour, Civic Centre, Corner Commissioner and Market Street, Krugersdorp, 1740

No visual compulsory briefing session will be available.

NAME OF TENDERER:  
CENTRAL SUPPLIER  
DATABASE (CSD)

MAAA

TELEPHONE No:

TELEFAX No:

E-MAIL ADDRESS:

ADDRESS:

January 2024

Issued by:  
Municipal Manager  
Mogale City Local Municipality  
P O Box 94  
**KRUGERSDORP**  
1740

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**PART A**

**INVITATION TO BID**

**MBD 1**

**YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF MOGALE CITY LOCAL MUNICIPALITY**

BID NUMBER:	<b>IDS (WWTP) 03/2024</b>	CLOSING DATE:	<b>04 March 2024</b>	CLOSING TIME:	<b>11:00</b>
DESCRIPTION	<b>TENDERS ARE HEREBY INVITED FOR THE APPOINTMENT OF A SERVICE PROVIDER FOR THE COMPLIANCE MONITORING IN TERMS OF THE LICENSE CONDITIONS FOR THE FLIP HUMAN, MAGALIESBURG &amp; PERCY STEWART WASTEWATER TREATMENT WORKS FOR THE PERIOD OF THREE (3) YEARS.</b>				
<b>THE SUCCESSFUL BIDDER WILL BE REQUIRED TO FILL IN AND SIGN A WRITTEN CONTRACT FORM (MBD7).</b>					

BID RESPONSE DOCUMENTS MAY BE DEPOSITED IN THE BID BOX SITUATED AT (STREET ADDRESS)

<b>CNR. COMMISSIONER &amp; MARKET STREET</b>				
<b>CIVIC CENTRE</b>				
<b>MOGALE CITY</b>				
<b>KRUGERSDORP</b>				
<b>1740</b>				
<b>SUPPLIER INFORMATION</b>				
NAME OF BIDDER				
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:		OR	CSD No:	
B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE [TICK APPLICABLE BOX]	Yes  <input type="checkbox"/> No			B-BBEE STATUS LEVEL SWORN AFFIDAVIT	<input type="checkbox"/> Yes  <input type="checkbox"/> No
<b>[A B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE/ SWORN AFFIDAVIT (FOR EMES &amp; QSEs) MUST BE SUBMITTED IN ORDER TO QUALIFY FOR PREFERENCE POINTS FOR B-BBEE]</b>					
ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS /SERVICES /WORKS OFFERED?	<input type="checkbox"/> Yes <input type="checkbox"/> No  [IF YES ENCLOSE PROOF]			ARE YOU A FOREIGN BASED SUPPLIER FOR THE GOODS /SERVICES /WORKS OFFERED?	<input type="checkbox"/> Yes <input type="checkbox"/> No  [IF YES, ANSWER PART B:3 ]
TOTAL NUMBER OF ITEMS OFFERED				TOTAL BID PRICE	N/A
SIGNATURE OF BIDDER	.....			DATE	
CAPACITY UNDER WHICH THIS BID IS SIGNED					
<b>BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO:</b>			<b>TECHNICAL CLARIFICATION QUERIES MAY BE DIRECTED TO:</b>		
DEPARTMENT/ DIVISION	Supply Chain Management				
E-MAIL ADDRESS	SCMEnquiries@mogalecity.gov.za				

## PART B TERMS AND CONDITIONS FOR BIDDING

<b>1. BID SUBMISSION:</b>	
1.1.	BIDS MUST BE DELIVERED BY THE STIPULATED TIME TO THE CORRECT ADDRESS. LATE BIDS WILL NOT BE ACCEPTED FOR CONSIDERATION.
1.2.	<b>ALL BIDS MUST BE SUBMITTED ON THE OFFICIAL FORMS PROVIDED–(NOT TO BE RE-TYPED) OR ONLINE</b>
1.3.	THIS BID IS SUBJECT TO THE PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT AND THE PREFERENTIAL PROCUREMENT REGULATIONS, 2017, THE GENERAL CONDITIONS OF CONTRACT (GCC) AND, IF APPLICABLE, ANY OTHER SPECIAL CONDITIONS OF CONTRACT.
<b>2. TAX COMPLIANCE REQUIREMENTS</b>	
2.1	BIDDERS MUST ENSURE COMPLIANCE WITH THEIR TAX OBLIGATIONS.
2.2	BIDDERS ARE REQUIRED TO SUBMIT THEIR UNIQUE PERSONAL IDENTIFICATION NUMBER (PIN) ISSUED BY SARS TO ENABLE THE ORGAN OF STATE TO VIEW THE TAXPAYER’S PROFILE AND TAX STATUS.
2.3	APPLICATION FOR THE TAX COMPLIANCE STATUS (TCS) CERTIFICATE 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 <a href="http://WWW.SARS.GOV.ZA">WWW.SARS.GOV.ZA</a> .
2.4	FOREIGN SUPPLIERS MUST COMPLETE THE PRE-AWARD QUESTIONNAIRE IN PART B:3.
2.5	BIDDERS MAY ALSO SUBMIT A PRINTED TCS CERTIFICATE TOGETHER WITH THE BID.
2.6	IN BIDS WHERE CONSORTIA / JOINT VENTURES / SUB-CONTRACTORS ARE INVOLVED, EACH PARTY MUST SUBMIT A SEPARATE TCS CERTIFICATE / PIN / CSD NUMBER.
2.7	WHERE NO TCS IS AVAILABLE BUT THE BIDDER IS REGISTERED ON THE CENTRAL SUPPLIER DATABASE (CSD), A CSD NUMBER MUST BE PROVIDED.
<b>3. QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS</b>	
3.1.	IS THE ENTITY A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)? <span style="float: right;"><input type="checkbox"/> YES <input type="checkbox"/> NO</span>
3.2.	DOES THE ENTITY HAVE A BRANCH IN THE RSA? <span style="float: right;"><input type="checkbox"/> YES <input type="checkbox"/> NO</span>
3.3.	DOES THE ENTITY HAVE A PERMANENT ESTABLISHMENT IN THE RSA? <span style="float: right;"><input type="checkbox"/> YES <input type="checkbox"/> NO</span>
3.4.	DOES THE ENTITY HAVE ANY SOURCE OF INCOME IN THE RSA? <span style="float: right;"><input type="checkbox"/> YES <input type="checkbox"/> NO</span>
3.5.	IS THE ENTITY LIABLE IN THE RSA FOR ANY FORM OF TAXATION? <span style="float: right;"><input type="checkbox"/> YES <input type="checkbox"/> NO</span>
<p><b>IF THE ANSWER IS “NO” TO ALL OF THE ABOVE, THEN IT IS NOT A REQUIREMENT TO REGISTER FOR A TAX COMPLIANCE STATUS SYSTEM PIN CODE FROM THE SOUTH AFRICAN REVENUE SERVICE (SARS) AND IF NOT REGISTER AS PER 2.3 ABOVE.</b></p>	

**NB: FAILURE TO PROVIDE ANY OF THE ABOVE PARTICULARS MAY RENDER THE BID INVALID.**

**NO BIDS WILL BE CONSIDERED FROM PERSONS IN THE SERVICE OF THE STATE.**

SIGNATURE OF BIDDER: .....

CAPACITY UNDER WHICH THIS BID IS SIGNED: .....

DATE: .....

ADVERTISED IN: The Star  
 PUBLISHING DATE: Monday 29 January 2024  
 TENDER NOTICE: IDS (WWTP) 03/2024

**MOGALE CITY LOCAL MUNICIPALITY**

Tenders are hereby invited for the following Office: Infrastructure Development Services: Wastewater Treatment Plant.

**TENDER NO: IDS (WWTP) 03/2024**

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**No visual compulsory briefing session will be available.**

**Adjudication: 80/20**

Tenders will be evaluated using Functionality evaluation criteria of **19** points of which the service provider is required to score the minimum of **12** points in order to be considered for further evaluation.

Tenders will be evaluated using the 80/20 preference point system which awards 80 points for Functionality and 20 points for Specific goals in accordance with the table below:

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)
Local enterprise: <ul style="list-style-type: none"> <li>• Within the boundaries of the Municipality</li> </ul>	X	10		

<ul style="list-style-type: none"> <li>• Outside the boundaries of the Municipality</li> <li>• Within the boundaries of Gauteng</li> <li>• Outside of the boundaries of Gauteng Province</li> </ul>	X	6		
	X	4		
	X	0		
Historically Disadvantaged persons	X	10		

**Documents Collection:** Documents can be downloaded from the e-portal at [www.etenders.gov.za](http://www.etenders.gov.za) or [www.mogalecity.gov.za](http://www.mogalecity.gov.za).

Technical Enquiries: [scmenquiries@mogalecity.gov.za](mailto:scmenquiries@mogalecity.gov.za)

**Documents available:** As from **Monday 29 January 2024** on [www.etenders.gov.za](http://www.etenders.gov.za) or [www.mogalecity.gov.za](http://www.mogalecity.gov.za)

**Closing date: 04 March 2024**

**Time: 11:00**

**Tender Box**

Venue: Tender boxes are situated at the reception desk of the Supply Chain Management Unit, situated on the upper level of the West Wing of the Mogale City Civic Centre, Corner Commissioner and Market Streets in Krugersdorp.

**A. MANDATORY DOCUMENTS:**  
**(IF NOT PROVIDED THE BID WILL BE INSTANTLY DISQUALIFIED.)**

1. Fully completed and signed the Compulsory Briefing Session attendance register.
2. The bidding entity must submit Municipal account which is not more than three (3) months / ninety (90) days plus in arrears at the time of the closing date.
3. The director(s) of the bidding entity / Joint Venture / consortium must submit Municipal account which is not more than three (3) months / ninety (90) days plus in arrears at the time of the closing date.
4. The bidding entity must submit a valid signed lease agreement or rental statement which is in the name of the business and or the directors.  
Further, the municipal account of the responsible person must be attached.
5. If the Bidding Entity operates from Informal settlement and is not responsible for municipal account / services:
  - 5.1. The bidder must submit Confirmation on Municipality / Metro letterhead signed and stamped from the ward Councilor / delegate with contact details.
6. If the bidding entity operates from parents' place / director's place or any other place and is not responsible for Municipal account / Services.

- 6.1. The bidder must submit the property owner's Municipal account and Sworn Affidavit of the property owner with the original stamp from the Commissioner of Oaths.
7. If the bidding entity's property and director 's property is new and has not been registered nor received any Municipal account, a Conveyancer's letter must be submitted as confirmation with the date of transfer.
8. Submit Central Supplier Database (CSD) Registration Report or Summary Report.
9. Authority of Signatory must be completed and signed in case of a business not sole proprietor or one-person business or board of director's resolution authorizing signature to sign off the bid documents.
10. Completed and signed the below Municipal Bidding Documents:
  - 10.1. MBD 1: Invitation to tender
  - 10.2. MBD 4. Declaration of Interest.
  - 10.3. MBD 6.1 Preferential Points
  - 10.4. MBD 8: Declaration of bidders past supply chain management practices
  - 10.5. MBD 9: Certificate of independent bid determination.

**B. BIDDING TENDER CONDITIONS:**  
**(NON- COMPLIANCE WITH THE BELOW WILL LEAD TO BIDDER BEING NON-RESPONSIVE).**

11. All suppliers of good & services are urged to register in the National Treasury web based Central Suppliers Database with Effect from 1 July 2016 @ [www.csd.gov.za](http://www.csd.gov.za).
12. As per National Treasury Instruction No.4 A of 2016/2017 National Treasury Supplier Database, organs of state must ensure that suppliers awarded business with the State are registered on the CSD prior to award letter/purchase order/signed contract being issued.
13. Tenders by joint ventures are to be accompanied by the Document Formation of the joint venture, duly registered and authenticated by a Notary Public or other official deputized to witness sworn statements. This document must define precisely the conditions under which the joint venture will function, the period for which it will function, the persons authorized to represent and obligate it, the address for correspondence, the participation of several firms forming the joint venture and any information necessary to permit a full appraisal of its functioning, including a clause to the effect that the members of the joint venture are jointly and severally bound.
14. No electronic signature will be accepted in the bidding document. The bidder's signature must always be signed by hand in black ink.
15. No late tender will be accepted.
16. Telefax or e-mail tenders will not be accepted.
17. All bids must be submitted on the official and original forms and must not be re-typed, copied or scanned. Tenders must only be submitted on the bid documents as provided by Mogale City Local Municipality.
18. Tenders must be completed in black ink, hand written and must not be typed.
19. The use of tipp-ex is not allowed on the bid documents.
20. Bids completed in pencil will be regarded as invalid bids.
21. No page(s) must be removed from the original tender document.
22. Requirements for sealing, addressing, delivery, opening and assessment of tenders are stated in the tender document;



23. In the event of a mistake having been made on the pricing schedule, it shall be crossed out in ink and be accompanied by initials at each and every alteration. The Municipality reserves the right to reject the bid if corrections are not made in accordance with the above.
24. The lowest or any tender will not necessarily be accepted, and Mogale City reserves the right to accept a tender in whole or in part.
25. The Municipality reserves the right to appoint and not to appoint.
26. The validity period for this tender is ninety (90) days.
27. A Corporate social responsibility contribution of two (2) percent inclusive of 15%VAT will be levied on all companies/ service providers appointed as successful bidders if such companies are not based in the area of jurisdiction of Mogale City.
28. The Municipality reserves the right to negotiate a fair market related price with recommended bidders after a competitive bidding process or price quotations.
29. Fees shall be inclusive of VAT for all registered VAT vendors.
30. All bid Fees must be in RSA currency and inclusive of VAT.
31. In the instance of a term tender (period longer than one year), please indicate the estimated annual price increase and the intervals of such increases, failure to indicate the escalation will lead to a disqualification.
32. Bids will be opened immediately after the closing date and time in a venue to be indicated.
33. No bids will be accepted from persons in the service of state as it is defined in the Municipal Finance Management Act and Regulations.
34. The supply Chain Management Policy of Mogale City Local Municipality allow persons aggrieved by decisions or actions taken by the municipality in the implementation of its supply chain management system, to lodge within fourteen (14) days of the decision or action a written objection or complaint to the municipality against the decision or action.
35. Tender documents may be downloaded from e-tender portal at [www.etenders.gov.za](http://www.etenders.gov.za) as well as [www.mogalecity.gov.za](http://www.mogalecity.gov.za).

**C. ESSENTIAL DOCUMENTS**

**(THIS WILL NOT RESULT IN A DISQUALIFICATION OF A BIDDER).**

36. Tax Clearance Certificate / Tax Compliance Status documents with Pin.

Each company within the Joint Venture / Consortium must submit Tax Clearance Certificate or a copy of Tax Compliance Status document with Pin.

37. Copies of director's ID not older than three (3) months, not a copy of a certified copy.
38. Bids must be submitted in original and an electronic copy in PDF format submitted on a USB drive.
39. Completed and signed the Declaration of Municipal Account.

**OFFICE OF THE MUNICIPAL MANAGER**



**DECLARATION OF BIDDER/S MUNICIPAL ACCOUNT(S)**

**NAME OF BIDDING ENTITY.....**

Declaration in terms of paragraph 38(1)(d)(i) of the Supply Chain Management Policy of the MCLM irrespective of the contract value of the bid:

**NB: Please not that this declaration must be completed and signed by all bidders**

- (i) I, the undersigned hereby declare that the signatory to this tender document; is duly authorised and further declare:
- (ii) That the bidding entity as well as all its directors /shareholders must submit Municipal account which is not more than three (3) months in arrears or valid lease agreement which is in the name of the business and or the directors, which must stipulate who is responsible for payment of municipal services.
- (iii) That the copy of the lease agreement/municipal account in the name of the bidding entity and Lessee will only be accepted if water and lights are part of lease payment.
- (iv) I acknowledge that should it be found that any Municipal Rates and Taxes or Municipal charges as set out in (ii) above are in arrears for more than three (3) months, the bid will be rejected and MCLM may take such remedial action as is required, including the rejection of the bid and/or termination of the contract. (Unless if the bidder has attached proof of the payment arrangement of the arrears to the bid document as at the closing date of the submission of bids)
- (v) The following account/s of the bidding entity has reference:

**Municipality**

**Account number**

.....

.....

.....

.....

**(NB: if insufficient space above, please submit on a separate page)**

- (vi) If the Bidding Entity operates from home/ family place / director’s place or any other place and is not responsible for Municipal account, the bidder must sign **Declaration of Municipal Account.**

	Yes	No
➤ Bidding entity who operates from informal settlement		
NB: if yes, the Bidding Entity operates from informal settlement and is not responsible for Municipal account/services;  • The bidder must submit confirmation on Municipality/Metro letterhead signed and stamped from the ward councilor/delegate.		
➤ Bidding entity who operates from a property owned by a director / member / partner		
Bidding entity who operates from somebody else’s property (non-Rental paying)  N.B: If yes, attach confirmation affidavit of the property owner confirming who is responsible for payment of water and lights.		
➤ Bidding entity who rent premises from a landlord  N.B: Attach valid lease agreement which stipulate who is responsible for payment of Municipal services or Rental statement		
Other (Please specify)		

Signed at ..... this ..... day .....20.....

Name of Duly Authorised Signatory (Please print)

.....

Authorised Signature: .....

As witness: 1 .....

2 .....

**(vii)** If the Bidding Entity operates from home/ family place and is not responsible for municipal account, the bidder must submit Sworn Affidavit. **(Applicable to Joint Venture / Consortium only)**

	Yes	No
➤ Bidding entity who operates from informal settlement		
NB: if yes, the Bidding Entity operates from informal settlement and is not responsible for Municipal account/services.  • the bidder must submit confirmation on Municipality/Metro letterhead signed and stamped from the ward councilor/delegate.		
➤ Bidding entity who operates from a property owned by a director / member / partner		
1.		
2.		
➤ Bidding entity who operates from somebody else's property (non-Rental paying) N.B: If yes, attach confirmation affidavit of the property owner confirming who is responsible for payment of water and lights.		
➤ Bidding entity who rent premises from a landlord N.B: Attach lease agreement which stipulate who is responsible for payment of Municipal services.		
Other (Please specify)		

Signed at ..... this ..... day ..... 20.....

Name of Duly Authorised Signatory (Please print) .....

Authorised Signature: .....

As witness: 1 .....

2 .....



## T2.2.4 MCLM 2% CORPORATE SOCIAL RESPONSIBILITY

### Mogale City Corporate Social Responsibility

In terms of Mogale City Corporate Responsibility, non-Mogale City based Services Providers will contribute two (2) percent of the Contract value to Mogale City.

Please provide your registered address: .....

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

Please indicate if you are a Mogale based:

YES	NO
-----	----

If not Mogale City based, a person duly authorized by the tenderer must complete and sign the declaration herewith in detail.

### Declaration by Tenderer

I, the undersigned hereby declare and confirm that we accept the contribution towards the Mogale City Corporate Social Responsibility, by the deduction of two percent (2%) on all payment made.

Signed

Date

Name

Position

Tenderer



**MBD 4**

**DECLARATION OF INTEREST**

1. No bid will be accepted from persons in the service of the state<sup>1</sup>.
2. Any person, having a kinship with persons in the service of the state, including a blood relationship, may make an offer or offers in terms of this invitation to bid. In view of possible allegations of favouritism, should the resulting bid, or part thereof, be awarded to persons connected with or related to persons in service of the state, it is required that the bidder or their authorised representative declare their position in relation to the evaluating/adjudicating authority.

**3 In order to give effect to the above, the following questionnaire must be completed and submitted with the bid.**

- 3.1 Full Name of bidder or his or her representative:.....
- 3.2 Identity Number: .....
- 3.3 Position occupied in the Company (director, trustee, hareholder<sup>2</sup>):.....
- 3.4 Company Registration Number: .....
- 3.5 Tax Reference Number:.....
- 3.6 VAT Registration Number: .....
- 3.7 The names of all directors / trustees / shareholders members, their individual identity numbers and state employee numbers must be indicated in paragraph 4 below.
- 3.8 Are you presently in the service of the state? **YES / NO**
- 3.8.1 If yes, furnish particulars. ....  
 .....  
 .....

<sup>1</sup>MSCM Regulations: “in the service of the state” means to be –

- (a) a member of –
  - (i) any municipal council;
  - (ii) any provincial legislature; or
  - (iii) the national Assembly or the national Council of provinces;
- (b) a member of the board of directors of any municipal entity;
- (c) an official of any municipality or municipal entity;
- (d) an employee of any national or provincial department, national or provincial public entity or constitutional institution within the meaning of the Public Finance Management Act, 1999 (Act No.1 of 1999);

- (e) a member of the accounting authority of any national or provincial public entity; or
- (f) an employee of Parliament or a provincial legislature.

<sup>2</sup> Shareholder” means a person who owns shares in the company and is actively involved in the management of the company or business and exercises control over the company.

3.9 Have you been in the service of the state for the past twelve months? ..... **YES / NO**

3.9.1 If yes, furnish particulars.....

3.10 Do you have any relationship (family, friend, other) with persons in the service of the state and who may be involved with the evaluation and or adjudication of this bid? ..... **YES / NO**

3.10.1 If yes, furnish particulars.

.....  
.....

3.11 Are you, aware of any relationship (family, friend, other) between any other bidder and any persons in the service of the state who may be involved with the evaluation and or adjudication of this bid? **YES / NO**

3.11.1 If yes, furnish particulars

.....  
.....

3.12 Are any of the company’s directors, trustees, managers, principle shareholders or stakeholders in service of the state? **YES / NO**

3.12.1 If yes, furnish particulars.

.....  
.....

3.13 Are any spouse, child or parent of the company’s directors trustees, managers, principle shareholders or stakeholders in service of the state? **YES / NO**

3.13.1 If yes, furnish particulars.

.....  
.....

3.14 Do you or any of the directors, trustees, managers, principle shareholders, or stakeholders of this company have any interest in any other related companies or business whether or not they are bidding for this contract. **YES / NO**

3.14.1 If yes, furnish particulars:

.....  
.....

4. Full details of directors / trustees / members / shareholders.

Full Name	Identity Number	State Employee Number

.....  
**Signature**

.....  
**Date**

.....  
**Capacity**

.....  
**Name of Bidder**





**MOGALE CITY LOCAL MUNICIPALITY**

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

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

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

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

	POINTS
<b>FUNCTIONALITY</b>	80
<b>SPECIFIC GOALS</b>	20
<b>Total points for Functionality and SPECIFIC GOALS</b>	<b>100</b>

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

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

## 2. DEFINITIONS

- (a) **“tender”** means a written offer in the form determined by an organ of state in response to an invitation to provide goods or services through price quotations, competitive tendering process or any other method envisaged in legislation;
- (b) **“price”** means an amount of money tendered for goods or services, and includes all applicable taxes less all unconditional discounts;
- (c) **“rand value”** means the total estimated value of a contract in Rand, calculated at the time of bid invitation, and includes all applicable taxes;
- (d) **“tender for income-generating contracts”** means a written offer in the form determined by an organ of state in response to an invitation for the origination of income-generating contracts through any method envisaged in legislation that will result in a legal agreement between the organ of state and a third party that produces revenue for the organ of state, and includes, but is not limited to, leasing and disposal of assets and concession contracts, excluding direct sales and disposal of assets through public auctions; and
- (e) **“the Act”** means the Preferential Procurement Policy Framework Act, 2000 (Act No. 5 of 2000).
- (f) **“comparative price”** means the price after the factors of a non-firm price and all unconditional discounts that can be utilized have been taken into consideration;
- (g) **“consortium or joint venture”** means an association of person for the purpose of combining their expertise, property, capital, efforts, skill and knowledge in an activity for the execution of a contract;
- (h) **“contract”** means the agreement that results from the acceptance of a bid by an organ of state;
- (i) **“EME”** means an Exempted Micro Enterprise as defined by Codes of Good Practice issued in terms of section 9 (1) of the Broad Based Black Economic Empowerment Act, 2003 (Act No. 53 of 2003);
- (j) **“Firm price”** means the price that is only subject to adjustments in accordance with the actual increase or decrease resulting from the change, imposition, or abolition of customs or excise duty and any other duty, levy, or tax, which, in terms of the law or regulation, is binding on the contractor and demonstrably has an influence on the price of any supplies, or the rendering costs of any service, the execution of the contract;
- (k) **“functionality”** means the measurement according to predetermined norms, as set out in the bid documents, of a service or commodity that is designed to be practical and useful, working or operating, taking into account, among other factors, the quality, reliability, viability and durability of a service and the technical capacity and ability of a bidder;
- (l) **“non-firm prices”** means all prices other than “firm” prices;
- (m) **“person”** includes a juristic person;
- (n) **“QSE”** means a Qualifying Small Enterprise as defined by Codes of Good Practice issued in terms of section 9 (1) of the Broad- Based Black Economic Empowerment Act, 2003 (Act No. 53 of 2003)
- (o) **“rand value”** means the total estimated value of a contract in South African currency, calculated at the time of the bid invitations, and includes all applicable taxes and excise duties;
- (p) **“sub-contract”** means the primary contractor’s assigning, leasing, making out work to, or employing, another person to] support such primary contractor in the execution of part of a project in terms of the contract
- (q) **“total revenue”** bears the same meaning assigned to this expression in the Codes of Good Practice on Black Economic Empowerment, issued in terms of section 9 (1) of the Broad-Based Economic Empowerment Act and promulgated in the Government Gazette on 9 February 2007;
- (r) **“trust”** means the arrangement through which the property of one person is made over or bequeathed to a trustee to administer such property for the benefit of another person.

### 3. FORMULAE FOR PROCUREMENT OF GOODS AND SERVICES

#### POINTS AWARDED FOR PRICE

##### 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**

or

**90/10**

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

Where

Ps = Points scored for price of tender under consideration

Pt = Price of tender under consideration

Pmin = Price of lowest 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 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)
Local enterprise: <ul style="list-style-type: none"> <li>• Within the boundaries of the Municipality</li> <li>• Outside the boundaries of the Municipality</li> <li>• Within the boundaries of Gauteng</li> <li>• Outside of the boundaries of Gauteng Province</li> </ul>	<p style="text-align: center;">X</p> <p style="text-align: center;">X</p> <p style="text-align: center;">X</p> <p style="text-align: center;">X</p>	<p style="text-align: center;">10</p> <p style="text-align: center;">6</p> <p style="text-align: center;">4</p> <p style="text-align: center;">0</p>		
Historically Disadvantaged persons	X	10		

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

4.1 Name of company/firm:.....

4.2 VAT registration number:.....

4.3 Company registration number:.....

4.4 TYPE OF COMPANY/ FIRM

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

[TICK APPLICABLE BOX]

4.5 DESCRIBE PRINCIPAL BUSINESS ACTIVITIES

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

4.6 COMPANY CLASSIFICATION

- Manufacturer
  - Supplier
  - Professional service provider
  - Other service providers, e.g. transporter, etc.
- [TICK APPLICABLE BOX]

4.7 MUNICIPAL INFORMATION

**Municipality where business is situated:** .....

**Registered Account Number:** .....

**Stand Number:**.....

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

4.9 I/we, the undersigned, who is / are duly authorised to do so on behalf of the company/firm, certify that the points claimed, based on the B-BBE status level of contribution indicated in paragraph 7 of the foregoing certificate, qualifies the company/ firm for the preference(s) shown and I / we acknowledge that:

- i) The information furnished is true and correct;
- ii) The preference points claimed are in accordance with the General Conditions as indicated in paragraph 1 of this form;
- iii) In the event of a contract being awarded as a result of points claimed as shown in paragraph 7, the contractor may be required to furnish documentary proof to the satisfaction of the purchaser that the claims are correct;
- iv) If the B-BBEE status level of contribution has been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the purchaser may, in addition to any other remedy it may have –
  - (a) disqualify the person from the bidding process;
  - (b) recover costs, losses or damages it has incurred or suffered as a result of that person’s conduct;
  - (c) cancel the contract and claim any damages which it has suffered as a result of having to make less favourable arrangements due to such cancellation;
  - (d) restrict the bidder or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, 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.

10. **Previous experience**

Provide the following information on relevant previous experience (indicate specifically projects of similar or larger size and/or which is similar with regard to type of work).

Description	Value (R, VAT excluded)	Year(s) executed	Reference		
			Name	Organization	Tel no

**10.1 Staffing Profile**

Provide information on key staff you intend utilizing on this contract, should it be awarded to you.

<b>Name</b>	<b>Position in your organization</b>	<b>Qualifications</b>	<b>Experience</b>

**10.2 Infrastructure and resources available to execute this contract**

**10.2.1 Physical facilities**

<b>Description</b>	<b>Address</b>	<b>Area (m<sup>2</sup>)</b>

**10.3 Plant and equipment**

<b>Description : Plant and equipment owned (or to be rented)</b>	<b>Number of units</b>



**10.4 List of shareholders by Name, Position, Identity number, Citizenship, HDI status and ownership as relevant.**

Name	Date/Position Occupied in Enterprise	ID Number (please attach certified copies of ID's)	Date RSA Citizenship obtained	HDI	Women	Disabled	Youth (person not older than 35 years of age)	% of business/enterprise owned
							<b>Total</b>	<b>100%</b>

8.14 List of shareholders by Name, percentage (%) of business/enterprise owned, residential address.

Full Name	Identity (ID) Number (please attached certified copies of ID's)	% of business/ enterprise owned	Residential address

**9. AUTHORITY FOR SIGNATORY**

Please note that the sole proprietors or “one person business” are not required to submit an official and duly signed authority of signatory.

Signatories for close corporations and companies shall confirm their authority by signing on behalf of the company/firm **by attaching to this page** a duly signed and dated copy of the relevant resolution of their members or their board of directors, as the case may be.

**An example for a company is shown below:**

Printed on company letterhead:

“ By resolution of the board of directors passed on \_\_\_\_\_20\_\_\_\_\_

Mr \_\_\_\_\_

has been duly authorized to sign all documents in connection with the bid for

Tender \_\_\_\_\_ No\_\_\_\_\_

and any Contract, which may arise there from on behalf of

\_\_\_\_\_

SIGNED ON BEHALF OF THE COMPANY \_\_\_\_\_

IN HIS CAPACITY AS \_\_\_\_\_ CAPACITY AS \_\_\_\_\_

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

SIGNATURE OF SIGNATORY: \_\_\_\_\_

AS WITNESSES: 1 \_\_\_\_\_

2 \_\_\_\_\_

10. I/we, the undersigned, who is / are duly authorised to do so on behalf of the company/firm, certify that the points claimed, based on the B-BBE status level of contribution indicated in paragraph 7 of the foregoing certificate, qualifies the company/firm for the preference(s) shown and I / we acknowledge that:
- (i) The information furnished is true and correct.
  - (ii) The preference points claimed are in accordance with the General Conditions as indicated in paragraph 1 of this form.
  - (iii) In the event of a contract being awarded as a result of points claimed as shown in paragraph 7, the contractor may be required to furnish documentary proof to the satisfaction of the purchaser that the claims are correct;
  - (iv) If the B-BBEE status level of contribution has been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the purchaser may, in addition to any other remedy it may have –
    - (a) disqualify the person from the bidding process;
    - (b) recover costs, losses or damages it has incurred or suffered as a result of that person's conduct;
    - (c) cancel the contract and claim any damages which it has suffered as a result of having to make less favourable arrangements due to such cancellation;
    - (d) restrict the bidder or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, 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

.....

**SIGNATURE(S) OF TENDERER(S)**

**SURNAME AND NAME:** .....

**DATE:** .....

**ADDRESS:** .....

.....

.....



## MOGALE CITY LOCAL MUNICIPALITY

### DECLARATION OF BIDDER'S PAST SUPPLY CHAIN MANAGEMENT PRACTICES

- 1 This Municipal Bidding Document must form part of all bids invited.
- 2 It serves as a declaration to be used by municipalities and municipal entities in ensuring that when goods and services are being procured, all reasonable steps are taken to combat the abuse of the supply chain management system.
- 3 The bid of any bidder may be rejected if that bidder, or any of its directors have:
  - a. abused the municipality's / municipal entity's supply chain management system or committed any improper conduct in relation to such system;
  - b. been convicted for fraud or corruption during the past five years;
  - c. willfully neglected, reneged on or failed to comply with any government, municipal or other public sector contract during the past five years; or
  - d. been listed in the Register for Tender Defaulters in terms of section 29 of the Prevention and Combating of Corrupt Activities Act (No 12 of 2004).
- 4 **In order to give effect to the above, the following questionnaire must be completed and submitted with the bid.**

Item	Question	Yes	No
4.1	<p>Is the bidder or any of its directors listed on the National Treasury's Database of Restricted Suppliers as companies or persons prohibited from doing business with the public sector?</p> <p>(Companies or persons who are listed on this Database were informed in writing of this restriction by the Accounting Officer/Authority of the institution that imposed the restriction after the <i>audi alteram partem</i> rule was applied).</p> <p><b>The Database of Restricted Suppliers now resides on the National Treasury's website(<a href="http://www.treasury.gov.za">www.treasury.gov.za</a>) and can be accessed by clicking on its link at the bottom of the home page.</b></p>	<p>Yes</p> <input type="checkbox"/>	<p>No</p> <input type="checkbox"/>
4.1.1	<p>If so, furnish particulars:</p>		

4.2	Is the bidder or any of its directors listed on the Register for Tender Defaulters in terms of section 29 of the Prevention and Combating of Corrupt Activities Act (No 12 of 2004)? <b>The Register for Tender Defaulters can be accessed on the National Treasury's website (<a href="http://www.treasury.gov.za">www.treasury.gov.za</a>) by clicking on its link at the bottom of the home page.</b>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
4.2.1	If so, furnish particulars:		
4.3	Was the bidder or any of its directors convicted by a court of law (including a court of law outside the Republic of South Africa) for fraud or corruption during the past five years?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
4.3.1	If so, furnish particulars:		
<b>Item</b>	<b>Question</b>	<b>Yes</b>	<b>No</b>
4.4	Does the bidder or any of its directors owe any municipal rates and taxes or municipal charges to the municipality / municipal entity, or to any other municipality / municipal entity, that is in arrears for more than three months?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
4.4.1	If so, furnish particulars:		
4.5	Was any contract between the bidder and the municipality / municipal entity or any other organ of state terminated during the past five years on account of failure to perform on or comply with the contract?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
4.7.1	If so, furnish particulars:		

### CERTIFICATION

**I, THE UNDERSIGNED (FULL NAME) .....CERTIFY THAT THE INFORMATION FURNISHED ON THIS DECLARATION FORM TRUE AND CORRECT. I ACCEPT THAT, IN ADDITION TO CANCELLATION OF A CONTRACT, ACTION MAY BE TAKEN AGAINST ME SHOULD THIS DECLARATION PROVE TO BE FALSE.**

.....  
**Signature**

.....  
**Date**

.....  
**Position**

.....  
**Name of Bidder**



MBD 9

## CERTIFICATE OF INDEPENDENT BID DETERMINATION

I, the undersigned, in submitting the accompanying bid:

**IDS (WWTP) 03/2024: TENDERS ARE HEREBY INVITED FOR THE APPOINTMENT OF A SERVICE PROVIDER FOR THE COMPLIANCE MONITORING IN TERMS OF THE LICENSE CONDITIONS FOR THE FLIP HUMAN, MAGALIESBURG & PERCY STEWART WASTEWATER TREATMENT WORKS FOR THE PERIOD OF THREE (3) YEARS.**  
(Bid Number and Description)

in response to the invitation for the bid made by: **MOGALE CITY LOCAL MUNICIPALITY**  
(Name of Municipality / Municipal Entity)

do hereby make the following statements that I certify to be true and complete in every respect:

I certify, on behalf of: \_\_\_\_\_ that:  
(Name of Bidder)

1. I have read and I understand the contents of this Certificate;
2. I understand that the accompanying bid will be disqualified if this Certificate is found not to be true and complete in every respect;
3. I am authorized by the bidder to sign this Certificate, and to submit the accompanying bid, on behalf of the bidder;
4. Each person whose signature appears on the accompanying bid has been authorized by the bidder to determine the terms of, and to sign, the bid, on behalf of the bidder;
5. For the purposes of this Certificate and the accompanying bid, I understand that the word "competitor" shall include any individual or organization, other than the bidder, whether or not affiliated with the bidder, who:
  - (a) has been requested to submit a bid in response to this bid invitation;
  - (b) could potentially submit a bid in response to this bid invitation, based on their qualifications, abilities or experience; and
  - (c) provides the same goods and services as the bidder and/or is in the same line of business as the bidder
6. The bidder has arrived at the accompanying bid independently from, and without consultation, communication, agreement or arrangement with any competitor. However communication between partners in a joint venture or consortium<sup>3</sup> will not be construed as collusive bidding.

7. In particular, without limiting the generality of paragraphs 6 above, there has been no consultation, communication, agreement or arrangement with any competitor regarding:
- (a) prices;
  - (b) geographical area where product or service will be rendered (market allocation)
  - (c) methods, factors or formulas used to calculate prices;
  - (d) the intention or decision to submit or not to submit, a bid;
  - (e) the submission of a bid which does not meet the specifications and conditions of the bid; or
  - (f) bidding with the intention not to win the bid.
8. In addition, there have been no consultations, communications, agreements or arrangements with any competitor regarding the quality, quantity, specifications and conditions or delivery particulars of the products or services to which this bid invitation relates.
9. 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.

<sup>3</sup> **Joint venture or Consortium means an association of persons for the purpose of combining their expertise, property, capital, efforts, skill and knowledge in an activity for the execution of a contract.**

10. 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.

.....  
Signature

.....  
Date

.....  
Position

.....  
Name of Bidder



---

**GENERAL CONDITIONS OF CONTRACT**

**THE NATIONAL TREASURY**

**Republic of South Africa**



**GOVERNMENT PROCUREMENT  
GENERAL CONDITIONS OF CONTRACT  
JULY 2010**

**GOVERNMENT PROCUREMENT:  
GENERAL CONDITIONS OF CONTRACT**  
July 2010

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**GOVERNMENT PROCUREMENT: GENERAL CONDITIONS OF CONTRACT**  
**THE NATIONAL TREASURY: Republic of South Africa 3**  
**General Conditions of Contract**

**1. Definitions** 1. The following terms shall be interpreted as indicated:

- 1.1 "Closing time" means the date and hour specified in the bidding documents for the receipt of bids.
- 1.2 "Contract" means the written agreement entered into between the purchaser and the supplier, as recorded in the contract form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.
- 1.3 "Contract price" means the price payable to the supplier under the contract for the full and proper performance of his contractual obligations.
- 1.4 "Corrupt practice" means the offering, giving, receiving, or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution.
- 1.5 "Countervailing duties" are imposed in cases where an enterprise abroad is subsidized by its government and encouraged to market its products internationally.
- 1.6 "Country of origin" means the place where the goods were mined, grown or produced or from which the services are supplied. Goods are produced when, through manufacturing, processing or substantial and major assembly of components, a commercially recognized new product results that is substantially different in basic characteristics or in purpose or utility from its components.
- 1.7 "Day" means calendar day.
- 1.8 "Delivery" means delivery in compliance of the conditions of the contract or order.
- 1.9 "Delivery ex stock" means immediate delivery directly from stock actually on hand.
- 1.10 "Delivery into consignees store or to his site" means delivered and unloaded in the specified store or depot or on the specified site in compliance with the conditions of the contract or order, the supplier bearing all risks and charges involved until the goods are so delivered and a valid receipt is obtained.
- 1.11 "Dumping" occurs when a private enterprise abroad market its goods on own initiative in the RSA at lower prices than that of the country of origin and which have the potential to harm the local industries in the RSA.

**GOVERNMENT PROCUREMENT: GENERAL CONDITIONS OF CONTRACT THE NATIONAL TREASURY: Republic of South Africa 4**

- 1.12 "Force majeure" means an event beyond the control of the supplier and not involving the supplier's fault or negligence and not foreseeable. Such events may include, but is not restricted to, acts of the purchaser in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes.
- 1.13 "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 bidder, and includes collusive practice among bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the bidder of the benefits of free and open competition.
- 1.14 "GCC" means the General Conditions of Contract.
- 1.15 "Goods" means all of the equipment, machinery, and/or other materials that the supplier is required to supply to the purchaser under the contract.
- 1.16 "Imported content" means that portion of the bidding price have been or are still To be imported (whether by the supplier or his subcontractors) and which costs Are inclusive of the costs abroad, plus freight and other direct importation costs such as landing costs, dock dues, import duty, sales duty or other similar tax or duty at the South African place of entry as well as transportation and handling charges to the Factory in the Republic where the goods covered by the bid will be manufactured.
- 1.17 "Local content" means that portion of the bidding price, which is not included in the imported content provided that local manufacture does take place.
- 1.18 "Manufacture" means the production of products in a factory using labour, materials, components and machinery and includes other related value-adding activities.
- 1.19 "Order" means an official written order issued for the supply of goods or works or the rendering of a service.
- 1.20 "Project site," where applicable, means the place indicated in bidding documents.
- 1.21 "Purchaser" means the organization purchasing the goods.
- 1.22 "Republic" means the Republic of South Africa.
- 1.23 "SCC" means the Special Conditions of Contract.
- 1.24 "Services" means those functional services ancillary to the

## **GOVERNMENT PROCUREMENT: GENERAL CONDITIONS OF CONTRACT THE NATIONAL TREASURY: Republic of South Africa 5**

Supply of the goods, such as transportation and any other incidental services, such as installation, commissioning, provision of technical assistance, training, catering, gardening, security, maintenance and other such obligations of the supplier covered under the contract.

1.25 "Supplier" means the successful bidder who is awarded the contract to maintain and administer the required and specified service(s) to the State.

1.26 "Tort" means in breach of contract.

1.27 "Turnkey" means a procurement process where one service provider assumes total responsibility for all aspects of the project and delivers the full end product service required by the contract.

1.28 "Written" or "in writing" means hand-written in ink or any form of electronic or mechanical writing.

### **2. Application**

2.1 These general conditions are applicable to all bids, contracts and orders including bids for functional and professional services (excluding professional services related to the building and construction industry), sales, hiring, letting and the granting or acquiring of rights, but excluding immovable property, unless otherwise indicated in the bidding documents.

2.2 Where applicable, special conditions of contract are also laid down to cover specific goods, services or works.

2.3 Where such special conditions of contract are in conflict with these general conditions, the special conditions shall apply.

### **3. General**

3.1 Unless otherwise indicated in the bidding documents, the purchaser shall not be liable for any expense incurred in the preparation and submission of a bid. Where applicable a nonrefundable fee for documents may be charged.

3.2 Invitations to bid are usually published in locally distributed news media and on the municipality/municipal entity website.

### **4. Standards**

4.1 The goods supplied shall conform to the standards mentioned in the bidding documents and specifications.

### **5. Use of contract documents and information inspection**

5.1 The supplier shall not, without the purchaser's prior written consent, disclose the contract, or any provision thereof, or any specification, plan, drawing, pattern, sample, or information furnished by or on behalf of the purchaser in connection therewith, to any person other than a person employed by the supplier in the performance of the contract. Disclosure to any such employed person shall be made in confidence and shall.

**GOVERNMENT PROCUREMENT: GENERAL CONDITIONS OF CONTRACT  
THE NATIONAL TREASURY: Republic of South Africa 6**

extend only so far as may be necessary for purposes of such performance.

5.2 The supplier shall not, without the purchaser's prior written consent, make use of any document or information mentioned in GCC clause 5.1 except for purposes of performing the contract.

5.3 Any document, other than the contract itself mentioned in GCC clause 5.1 shall remain the property of the purchaser and shall be returned (all copies) to the purchaser on completion of the supplier's performance under the contract if so required by the purchaser.

5.4 The supplier shall permit the purchaser to inspect the supplier's records relating to the performance of the supplier and to have them audited by auditors appointed by the purchaser, if so required by the purchaser.

**6. Patent Rights**

6.1 The supplier shall indemnify the purchaser against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the goods or any part thereof by the purchaser.

6.2 When a supplier developed documentation / projects for the municipality / municipal entity, the intellectual, copy and patent rights or ownership of such documents or projects will vest in the municipality / municipal entity.

**7. Performance security**

7.1 Within thirty (30) days of receipt of the notification of contract award, the successful bidder shall furnish to the purchaser the performance security of the amount specified in SCC.

7.2 The proceeds of the performance security shall be payable to the purchaser as compensation for any loss resulting from the supplier's failure to complete his obligations under the contract.

7.3 The performance security shall be denominated in the currency of the contract, or in a freely convertible currency acceptable to the purchaser and shall be in one of the following forms:

(a) a bank guarantee or an irrevocable letter of credit issued by a reputable bank located in the purchaser's country or abroad, acceptable to the purchaser, in the form provided in the bidding documents or another form acceptable to the purchaser; or

(b) a cashier's or certified cheque.

7.4 The performance security will be discharged by the purchaser and returned to the supplier not later than thirty (30) days following the date of completion of the supplier's performance obligations under the contract, including any warranty obligations, unless otherwise specified.

**GOVERNMENT PROCUREMENT: GENERAL CONDITIONS OF CONTRACT THE NATIONAL  
TREASURY: Republic of South Africa 7**

**8. Inspections, tests and analyses**

8.1 All pre-bidding testing will be for the account of the bidder.

8.2 If it is a bid condition that goods to be produced or services to be rendered should at any stage be subject to inspections, tests and analyses, the bidder or contractor's premises shall be open, at all reasonable hours, for inspection by a representative of the purchaser or organization acting on behalf of the purchaser.

8.3 If there are no inspection requirements indicated in the bidding documents and no mention is made in the contract, but during the contract period it is decided that inspections shall be carried out, the purchaser shall itself make the necessary arrangements, including payment arrangements with the testing authority concerned.

8.4 If the inspections, tests and analyses referred to in clauses 8.2 and 8.3 show the goods to be in accordance with the contract requirements, the cost of the inspections, tests and analyses shall be defrayed by the purchaser.

8.5 Where the goods or services referred to in clauses 8.2 and 8.3 do not comply with the contract requirements, irrespective of whether such goods or services are accepted or not, the cost in connection with these inspections, tests or analyses shall be defrayed by the supplier.

8.6 Goods and services which are referred to in clauses 8.2 and 8.3 and which do not comply with the contract requirements may be rejected.

8.7 Any contract goods may on or after delivery be inspected, tested or analysed and may be rejected if found not to comply with the requirements of the contract. Such rejected goods shall be held at the cost and risk of the supplier who shall, when called upon, remove them immediately at his own cost and forthwith substitute them with goods, which do comply with the requirements of the contract. Failing such removal the rejected goods shall be returned at the suppliers cost and risk. Should the supplier fail to provide the substitute goods forthwith, the purchaser may, without giving the supplier further opportunity to substitute the rejected goods, purchase such goods as may be necessary at the expense of the supplier.

8.8 The provisions of clauses 8.4 to 8.7 shall not prejudice the right of the purchaser to cancel the contract on account of a breach of the conditions thereof, or to act in terms of Clause 22 of GCC.

**9. Packing**

9.1 The supplier shall provide such packing of the goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in the contract. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packing, case size

## **GOVERNMENT PROCUREMENT: GENERAL CONDITIONS OF CONTRACT**

### **THE NATIONAL TREASURY: Republic of South Africa 8**

weights shall take into consideration, where appropriate, the remoteness of the goods' final destination and the absence of heavy handling facilities at all points in transit.

9.2 The packing, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the contract, including additional requirements, if any, and in any subsequent Instructions ordered by the purchaser.

#### **10. Delivery and documents**

10.1 Delivery of the goods and arrangements for shipping and clearance obligations, shall be made by the supplier in accordance with the terms specified in the Contract.

#### **11. Insurance**

11.1 The goods supplied under the contract shall be fully insured in a freely Convertible currency against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery in the manner specified.

#### **12. Transportation**

12.1 Should a price other than an all-inclusive delivered price be required, this shall be specified.

#### **13. Incidental Services**

13.1 The supplier may be required to provide any or all of the following services, including additional services, if any:

- (a) Performance or supervision of on-site assembly and/or commissioning of the supplied goods;
- (b) Furnishing of tools required for assembly and/or maintenance of the supplied goods;
- (c) Furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied goods;
- (d) performance or supervision or maintenance and/or repair of the supplied goods, for a period of time agreed by the parties, provided that this service shall not relieve the supplier of any warranty obligations under this contract; and
- (e) Training of the purchaser's personnel, at the supplier's plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied goods.

13.2 Prices charged by the supplier for incidental services, if not included in the contract price for the goods, shall be agreed upon in advance by the parties and shall not exceed the prevailing rates charged to other parties by the supplier for similar services.

#### **14. Spare parts**

14.1 As specified, the supplier may be required to provide any or all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the supplier:



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- (a) such spare parts as the purchaser may elect to purchase from the supplier, provided that this election shall not relieve the supplier of any warranty obligations under the contract; and;
- (b) in the event of termination of production of the spare parts:
  - (i) advance notification to the purchaser of the pending termination, in sufficient time to permit the purchaser to procure needed requirements; and
  - (ii) following such termination, furnishing at no cost to the purchaser, the blueprints, drawings, and specifications of the spare parts, if requested.

**15. Warranty**

15.1 The supplier warrants that the goods supplied under the contract are new, unused, of the most recent or current models, and that they incorporate all recent improvements in design and materials unless provided otherwise in the contract. The supplier further warrants that all goods supplied under this contract shall have no defect, arising from design, materials, or workmanship (except when the design and/or material is required by the purchaser's specifications) or from any act or omission of the supplier, that may develop under normal use of the supplied goods in the conditions prevailing in the country of final destination.

15.2 This warranty shall remain valid for twelve (12) months after the goods, or any portion thereof as the case may be, have been delivered to and accepted at the final destination indicated in the contract, or for eighteen (18) months after the date of shipment from the port or place of loading in the source country,

Whichever period concludes earlier, unless specified otherwise.

15.3 The purchaser shall promptly notify the supplier in writing of any claims arising under this warranty.

15.4 Upon receipt of such notice, the supplier shall, within the period specified and with all reasonable speed, repair or replace the defective goods or parts thereof, without costs to the purchaser.

15.5 If the supplier, having been notified, fails to remedy the defect(s) within the period specified, the purchaser may proceed to take such remedial action as may be necessary, at the supplier's risk and expense and without prejudice to any other rights which the purchaser may have against the supplier under the contract.

**16. Payment**

16.1 The method and conditions of payment to be made to the supplier under this contract shall be specified.

16.2 The supplier shall furnish the purchaser with an invoice accompanied by a copy of the delivery note and upon fulfillment of other obligations stipulated in the contract.

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16.3 Payments shall be made promptly by the purchaser, but in no case later than thirty (30) days after submission of an invoice or claim by the supplier.

16.4 Payment will be made in Rand unless otherwise stipulated.

#### **17. Prices**

17.1 Prices charged by the supplier for goods delivered and services performed under the contract shall not vary from the prices quoted by the supplier in his bid, with the exception of any price adjustments authorized or in the purchaser's request for bid validity extension, as the case may be.

#### **18. Variation orders**

18.1 In cases where the estimated value of the envisaged changes in purchase does not vary more than 15% of the total value of the original contract, the contractor may be instructed to deliver the goods or render the services as such. In cases of measurable quantities, the contractor may be approached to reduce the unit price, and such offers may be accepted provided that there is no escalation in price.

#### **19. Assignment**

19.1 The supplier shall not assign, in whole or in part, its obligations to perform under the contract, except with the purchaser's prior written consent.

#### **20. Subcontracts**

20.1 The supplier shall notify the purchaser in writing of all subcontracts awarded under this contracts if not already specified in the bid. Such notification, in the original bid or later, shall not relieve the supplier from any liability or obligation under the contract.

#### **21. Delays in the supplier's performance**

21.1 Delivery of the goods and performance of services shall be made by the supplier in accordance with the time schedule prescribed by the purchaser in the contract.

21.2 If at any time during performance of the contract, the supplier or its subcontractor(s) should encounter conditions impeding timely delivery of the goods and performance of services, the supplier shall promptly notify the purchaser in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the supplier's notice, the purchaser shall evaluate the situation and may at his discretion extend the supplier's time for performance, with or without the imposition of penalties, in which case the extension shall be ratified by the parties by amendment of contract.

21.3 The right is reserved to procure outside of the contract small quantities or to have minor essential services executed if an emergency arises, the supplier's point of supply is not situated at or near the place where the goods are required, or the supplier's services are not readily available.

21.4 Except as provided under GCC Clause 25, a delay by the supplier in the performance of its delivery obligations shall render the supplier liable to the imposition of penalties, pursuant to GCC Clause 22, unless an extension of time is agreed upon pursuant to GCC Clause 22.2 without the application of penalties.

21.5 Upon any delay beyond the delivery period in the case of a goods contract, the purchaser shall, without cancelling the contract, be entitled to purchase goods of a similar quality and up to the same quantity in substitution of the goods not supplied in conformity with the contract and to return any goods delivered later at the supplier's expense and risk, or to cancel the contract and buy such goods as may be required to complete the contract and without prejudice to his other rights, be entitled to claim damages from the supplier.

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**22. Penalties**

22.1 Subject to GCC Clause 25, if the supplier fails to deliver any or all of the goods or to perform the services within the period(s) specified in the contract, the purchaser shall, without prejudice to its other remedies under the contract, deduct from the contract price, as a penalty, a sum calculated on the delivered price of the delayed goods or unperformed services using the current prime interest rate calculated for each day of the delay until actual delivery or performance. The purchaser may also consider termination of the contract pursuant to GCC Clause 23.

**23. Termination for default**

23.1 The purchaser, without prejudice to any other remedy for breach of contract, by written notice of default sent to the supplier, may terminate this contract in whole or in part:

- (a) if the supplier fails to deliver any or all of the goods within the period(s) specified in the contract, or within any extension thereof granted by the purchaser pursuant to GCC Clause 21.2;
- (b) if the supplier fails to perform any other obligation(s) under the contract; or
- (c) if the supplier, in the judgement of the purchaser, has engaged in corrupt or fraudulent practices in competing for or in executing the contract.

23.2 In the event the purchaser terminates the contract in whole or in part, the purchaser may procure, upon such terms and in such manner, as it deems appropriate, goods, works or services similar to those undelivered, and the supplier shall be liable to the purchaser for any excess costs for such similar goods, works or services. However, the supplier shall continue performance of the contract to the extent not terminated.

23.3 Where the purchaser terminates the contract in whole or in part, the purchaser may decide to impose a restriction penalty on the supplier by prohibiting such supplier from doing business with the public sector for a period not exceeding 10 years.

23.4 If a purchaser intends imposing a restriction on a supplier or any person associated with the supplier, the supplier will be allowed a time period of not more than fourteen (14) days to provide reasons why the envisaged restriction should not be imposed. Should the supplier fail to respond within the stipulated fourteen (14) days the purchaser may regard the supplier as having no objection and proceed with the restriction.

23.5 . Any restriction imposed on any person by the purchaser will, at the discretion of the purchaser, also be applicable to any other enterprise or any partner, manager, director or other person who wholly or partly exercises or exercised or may exercise control over the enterprise of the first-mentioned person, and with which enterprise or person the first-mentioned person, is or was in the opinion of the purchaser actively associated.

23.6 If a restriction is imposed, the purchaser must, within five (5) working days of such imposition, furnish the National Treasury, with the following information:

- (i) the name and address of the supplier and / or person restricted by the purchaser;
- (ii) the date of commencement of the restriction
- (iii) the period of restriction; and
- (iv) the reasons for the restriction.

These details will be loaded in the National Treasury's central database of suppliers or persons prohibited from doing business with the public sector.

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23.7 . If a court of law convicts a person of an offence as contemplated in sections 12 or 13 of the Prevention and Combating of Corrupt Activities Act, No. 12 of 2004, the court may also rule that such person's name be endorsed on the Register for Tender Defaulters. When a person's name has been endorsed on the Register, the person will be prohibited from doing business with the public sector for a period not less than five years and not more than 10 years. The National Treasury is empowered to determine the period of restriction and each case will be dealt with on its own merits. According to section 32 of the Act the Register must be open to the public. The Register can be perused on the National Treasury website.

**24. Antidumping and countervailing duties and rights**

24.1 When, after the date of bid, provisional payments are required, or anti-dumping or countervailing duties are imposed, or the amount of a provisional payment or anti-dumping or countervailing right is increased in respect of any dumped or subsidized import, the State is not liable for any amount so required or imposed, or for the amount of any such increase .When, after the said date, such a provisional payment is no longer required or any such anti-dumping or countervailing right is abolished, or where the amount of such provisional payment or any such right is reduced, any such favorable difference shall on demand be paid forthwith by the supplier to the purchaser or the purchaser may deduct such amounts from moneys (if any) which may otherwise be due to the supplier in regard to goods or services which he delivered or rendered, or is to deliver or render in terms of the contract or any other contract or any other amount which may be due to him.

**25. Force Majeure**

25.1 Notwithstanding the provisions of GCC Clauses 22 and 23, the supplier shall not be liable for forfeiture of its performance security, damages, or termination for default if and to the extent that his delay in performance or other failure to perform his obligations under the contract is the result of an event of force majeure.

25.2 If a force majeure situation arises, the supplier shall promptly notify the purchaser in writing of such condition and the cause thereof. Unless otherwise directed by the purchaser in writing, the supplier shall continue to perform its obligations under the contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the force majeure event.

**26. Termination for insolvency**

26.1 The purchaser may at any time terminate the contract by giving written notice to the supplier if the supplier becomes bankrupt or otherwise insolvent. In this event, termination will be without compensation to the supplier, provided that such termination will not prejudice or affect any right of action or remedy, which has accrued or will accrue thereafter to the purchaser.

**27. Settlement of Disputes**

27.1 If any dispute or difference of any kind whatsoever arises between the purchaser and the supplier in connection with or arising out of the contract, the parties shall make every effort to resolve amicably such dispute or difference by mutual consultation.

27.2 If, after thirty (30) days, the parties have failed to resolve their dispute or difference by such mutual consultation, then either the purchaser or the supplier may give notice to the other party of his intention to commence with mediation. No mediation in respect of this matter may be commenced unless such notice is given to the other party.

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27.3 Should it not be possible to settle a dispute by means of mediation, it may be settled in a South African court of law.

27.4 Notwithstanding any reference to mediation and/or court proceedings herein,

(a) the parties shall continue to perform their respective obligations under the contract unless they otherwise agree; and

(b) the purchaser shall pay the supplier any monies due the supplier for goods delivered and / or services rendered according to the prescripts of the contract.

**28. Limitation of Liability**

28.1 Except in cases of criminal negligence or willful misconduct, and in the case of infringement pursuant to Clause 6; (a) the supplier shall not be liable to the purchaser, whether in contract, tort, or otherwise, for any indirect or consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided that this exclusion shall not apply to any obligation of the supplier to pay penalties and/or damages to the purchaser; and

(b) the aggregate liability of the supplier to the purchaser, whether under the contract, in tort or otherwise, shall not exceed the total contract price, provided that this limitation shall not apply to the cost of repairing or replacing defective equipment.

**29. Governing language**

29.1 The contract shall be written in English. All correspondence and other documents pertaining to the contract that is exchanged by the parties shall also be written in English.

**30. Applicable law**

30.1 The contract shall be interpreted in accordance with South African laws, unless otherwise specified.

**31. Notices**

31.1 Every written acceptance of a bid shall be posted to the supplier concerned by registered or certified mail and any other notice to him shall be posted by ordinary mail to the address furnished in his bid or to the address notified later by him in writing and such posting shall be deemed to be proper service of such notice.

31.2 The time mentioned in the contract documents for performing any act after such aforesaid notice has been given, shall be reckoned from the date of posting of such notice.

**32. Taxes and duties**

32.1 A foreign supplier shall be entirely responsible for all taxes, stamp duties, license fees, and other such levies imposed outside the purchaser's country.

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32.2 A local supplier shall be entirely responsible for all taxes, duties, license fees, etc., incurred until delivery of the contracted goods to the purchaser.

32.3 No contract shall be concluded with any bidder whose tax matters are not in order. Prior to the award of a bid SARS must have certified that the tax matters of the preferred bidder are in order.

32.4 No contract shall be concluded with any bidder whose municipal rates and taxes and municipal services charges are in arrears.

**33. Transfer of contracts**

33.1 The contractor shall not abandon, transfer, cede assign or sublet a contract or part thereof without the written permission of the purchaser

**34. Amendment of contracts**

34.1 No agreement to amend or vary a contract or order or the conditions, stipulations or provisions thereof shall be valid and of any force unless such agreement to amend or vary is entered into in writing and signed by the contracting parties. Any waiver of the requirement that the agreement to amend or vary shall be in writing, shall also be in writing.

**35. Prohibition of restrictive practices:**

35.1 In terms of section 4 (1) (b) (iii) of the Competition Act No. 89 of **restrictive practices** 1998, as amended, an agreement between, or concerted practice by, firms, or a decision by an association of firms, is prohibited if it is between parties in a horizontal relationship and if a bidder(s) is / are or a contractor(s) was / were involved in collusive bidding.

35.2 If a bidder(s) or contractor(s) based on reasonable grounds or evidence obtained by the purchaser has / have engaged in the restrictive practice referred to above, the purchaser may refer the matter to the Competition Commission for investigation and possible imposition of administrative penalties as contemplated in section 59 of the Competition Act No 89 Of 1998.

35.3 If a bidder(s) or contractor(s) has / have been found guilty by the Competition Commission of the restrictive practice referred to above, the purchaser may, in addition and without prejudice to any other remedy provided for, invalidate the bid(s) for such item(s) offered, and / or terminate the contract in whole or part, and / or restrict the bidder(s) or contractor(s) from conducting business with the public sector for a period not exceeding ten (10) years and / or claim damages from the bidder(s) or contractor(s) concerned

## TENDERS TO BE EVALUATED ON FUNCTIONALITY

- 5.(1) An organ of state must state in the tender documents if the tender will be evaluated on functionality.
- (2) The evaluation criteria for measuring functionality must be objective.
- (3) The tender documents must specify-
  - (a) the evaluation criteria for measuring functionality;
    - (a) the points for each criteria and, if any, each sub-criterion; and
    - (b) the minimum qualifying score for functionality.
- (4) The minimum qualifying score for functionality for a tender to be considered further-
  - (a) must be determined separately for each tender; and
  - (b) may not be so-
    - (i) low that it may jeopardise the quality of the required goods or services; or
    - (ii) high that it is unreasonably restrictive.
- (5) Points scored for functionality must be rounded off to the nearest two decimal places.
- (6) A tender that fails to obtain the minimum qualifying score for functionality as indicated in the tender documents is not an acceptable tender.
- (7) Each tender that obtained the minimum qualifying score for functionality must be evaluated further in terms of price and the preference point system and any objective criteria envisaged in regulation 11.

## PROJECT SPECIFICATION

### FOR THE APPOINTMENT OF A SERVICE PROVIDER FOR THE COMPLIANCE MONITORING IN TERMS OF THE LICENSE CONDITIONS FOR THE FLIP HUMAN, MAGALIESBURG & PERCY STEWART WASTEWATER TREATMENT WORKS FOR THE PERIOD OF THREE (3) YEARS

#### 1. BACKGROUND

The purpose of this tender is to appoint service providers for the compliance monitoring in terms of the license conditions for the Flip Human, Magaliesburg & Percy Stewart Wastewater Treatment Works for the period of three (3) years.

#### 2. SCOPE OF WORK

Department: Infrastructure Development Services herewith formally request the assistance from Service Providers to obtain cost proposals from the environmental consultants for the following:

##### 2.a) Flip Human WWTW:

- An independent external auditor to conduct an annual audit on compliance with conditions of licence.
- Scrutinize and implement a groundwater monitoring plan which was set up as an early warning system to detect any pollution caused by seepage from the wastewater treatment works and irrigation lands.
- If groundwater pollution has occurred, the service provider must submit a report with recommendations on additional monitoring and rehabilitation measures required.
- Costing with regard to the drilling of boreholes as per the groundwater monitoring plan and the hydro-census report.
- Scrutinize and implement the existing surface-water monitoring plan which was set up as an early warning system to detect any pollution.
- If surface water pollution has occurred, the service provider must submit a report with recommendations on additional monitoring and rehabilitation measures required.
- Scrutinize and implement the bio-monitoring programme. This programme must be able to qualify and quantify the impact on biological systems in the water environment in the area directly affected by the treatment activities as well as downstream from these activities.
- A competent and capable aquatic scientist must be appointed to submit a monitoring programme for aquatic macro-invertebrates and habitat integrity. Aquatic macro-invertebrates must be sampled using the latest South African Scoring System (SASS) method. Habitat Integrity must be assessed using the Rapid Bio Assessment Analysis method described by the Department.
- Conduct an annual Hazard Identification and Risk Assessment to identify possible pollution sources.
- Identify the soil type of the instant lawn farm. Evaluate the irrigation practice on a yearly basis by a competent soil scientist to determine the efficient functioning and possible deterioration of the soil.
- Develop a sludge management plan in accordance with the guidelines for the utilization and disposal of wastewater sludge volume 1-5. The scope of work will be conducted to review the legislative compliance of Mogale City according to the guidelines for the utilisation and disposal of wastewater sludge volume 4 and 5:
  - Review existing information on the sludge classification and management at the Wastewater Treatment Works with regard to the:
    - Water use licenses or permits
    - Sludge classification and analytical test results
    - Evaluation of monitoring test results
  - Test, Sampling and Analyses



- According to the Sludge Guidelines surface water, groundwater and soil monitoring need to be conducted to monitor the effect of high-rate sludge application on the receiving environment. Therefore representative surface, groundwater and soil monitoring need to be conducted to monitor the impact of high-rate sludge application on the receiving environment.
    - Soil sampling programme and method need to be submitted as well as the analyses that will be conducted.
  - Data interpretation and evaluation detail
    - The analytical data of the soil samples will be evaluated and compared to the metal limits for soil receiving high sludge loads as detailed in the sludge guidelines.
    - The analytical results of the water samples will be compared to the South African Water Quality Guidelines for domestic use.
  - Report
    - The analytical results and interpretation thereof
    - Findings of the compliance review
    - Recommendations regarding sludge management towards compliance with regard to the legislation (National Water Act, Sludge Guidelines, National Environmental Management Act, etc.).
  - Deliverables
    - Description of the activity and maps indicating current sample positions and soil sampling positions,
    - Compliance to Volume 4 of the Sludge Guidelines,
    - Assessment of the impact of the activity on the receiving environment, and
    - Recommended monitoring programme.
  - Pricing / Costing schedule
    - Review existing information
    - Soil sampling and analyses
    - Data interpretation, reporting and internal review
    - Presentation of findings to Mogale City
  - Conduct an annual audit on existing flow-measuring devices, calibrate and repair the existing flow measuring devices as per the audit.
  - Conduct compliance analyses and sampling as required:
    - Sampling and analysis shall, wherever applicable, be carried out in accordance with methods prescribed by, and obtained from, the Standards South Africa, in terms of the Standards Act, Act 30 of 1982.
    - Sample analysis must be conducted by a recognized analytical laboratory, accredited to analyse the relevant constituents in the wastewater.
    - Analyses must be performed by qualified personnel (BSc degree and/or National Diploma in Analytical Chemistry).
    - Participation in regular inter-laboratory comparison tests as organized by Standards South Africa and National Laboratory Association South Africa.
    - Quality control checks must be done on analyses, in order to determine the correctness of the results obtained (anion – cation balance).
    - Lists of analytical methods used to perform analysis should be provided (South African National Standards or the equivalent thereof).

2.b) Magaliesburg WWTW:

- An independent external auditor to conduct an annual audit on compliance with conditions of licence.
- Scrutinize and implement a groundwater-monitoring plan, which was set up as an early warning system to detect any pollution caused by seepage from the wastewater treatment works and irrigation lands.
  - If groundwater pollution has occurred, the service provider must submit a report with recommendations on additional monitoring and rehabilitation measures required.

- Cost for drilling of required boreholes as purposed in the groundwater and hydro census reports.
- Scrutinize and implement the existing surface-water monitoring plan, which was set up as an early warning system to detect any pollution.
  - If surface water pollution has occurred, the service provider must submit a report with recommendations on additional monitoring and rehabilitation measures required.
- Scrutinize and implement the bio-monitoring programme. This programme must be able to qualify and quantify the impact on biological systems in the water environment in the area directly affected by the treatment activities as well as downstream from these activities.
- A competent and capable aquatic scientist must be appointed to submit a monitoring programme for aquatic macro-invertebrates and habitat integrity. Aquatic macro-invertebrates must be sampled using the latest South African Scoring System method. Habitat Integrity must be assessed using the Rapid Bio assessment Analysis method described by the Department.
- Conduct an annual Hazard Identification and Risk Assessment to identify possible pollution sources.
- Identify the soil type of the instant lawn farm. Evaluate the irrigation practice on a yearly basis by a competent soil scientist to determine the efficient functioning and possible deterioration of the soil.
- Develop a sludge management plan in accordance with the guidelines for the utilization and disposal of wastewater sludge volume 1-5. The scope of work will be conducted to review the legislative compliance of Mogale City according to the guidelines for the utilisation and disposal of wastewater sludge volume 4 and 5:
- Review existing information on the sludge classification and management at the Wastewater Treatment Works with regard to the:
  - Water use licenses or permits
  - Sludge classification and analytical test results
  - Evaluation of monitoring test results
- Test, Sampling and Analyses
  - According to the Sludge Guidelines surface water, groundwater and soil monitoring need to be conducted to monitor the effect of high-rate sludge application on the receiving environment. Therefor representative surface, groundwater and soil monitoring need to be conducted to monitor the impact of high-rate sludge application on the receiving environment.
  - Soil sampling programme and method need to be submitted as well as the analyses that will be conducted.
- Data interpretation and evaluation detail
- The analytical data of the soil samples will be evaluated and compared to the metal limits for soil receiving high sludge loads as detailed in the sludge guidelines.
  - The analytical results of the water samples will be compared to the South African Water Quality Guidelines for domestic use.
- Report
  - The analytical results and interpretation thereof
  - Findings of the compliance review
  - Recommendations regarding sludge management towards compliance with regard to the legislation (National Water Act, Sludge Guidelines, National Environmental Management Act, etc).
- Deliverables
  - Description of the activity and maps indicating current sample positions and soil sampling positions,
  - Compliance to Volume 4 of the Sludge Guidelines,
  - Assessment of the impact of the activity on the receiving environment, and
  - Recommended monitoring programme.
- Pricing / Costing schedule
  - Review existing information
  - Soil sampling and analyses

- Data interpretation, reporting and internal review
- Presentation of findings to Mogale City
- Conduct an annual audit on existing flow-measuring devices, calibrate and repair the existing flow measuring devices as per the audit.
- Conduct compliance analyses and sampling as required:
  - Sampling and analysis shall, wherever applicable, be carried out in accordance with methods prescribed by, and obtained from, the Standards South African, in terms of the Standards Act, Act 30 of 1982.
  - Sample analysis must be conducted by a recognized analytical laboratory, accredited to analyse the relevant constituents in the wastewater.
  - Analyses must be performed by qualified personnel (BSc degree and/or National Diploma in Analytical Chemistry).
  - Participation in regular inter-laboratory comparison tests as organized by the South African National Standards and National Laboratory Association South Africa.
  - Quality control checks must be done on analyses, in order to determine the correctness of the results obtained (anion – cation balance).
  - Lists of analytical methods used to perform analysis should be provided (South African National Standards or the equivalent thereof).

2.c) Percy Stewart WWTW:

- An independent external auditor to conduct an annual audit on compliance with conditions of licence.
- Scrutinize and implement a groundwater monitoring plan which was set up as an early warning system to detect any pollution caused by seepage from the wastewater treatment works and irrigation lands.
- If groundwater pollution has occurred, the service provider must submit a report with recommendations on additional monitoring and rehabilitation measures required.
- Costing with regard to the drilling of boreholes as per the groundwater monitoring plan and the hydro-census report.
- Scrutinize and implement the existing surface-water monitoring plan which was set up as an early warning system to detect any pollution.
- If surface water pollution has occurred, the service provider must submit a report with recommendations on additional monitoring and rehabilitation measures required.
- Scrutinize and implement the bio-monitoring programme. This programme must be able to qualify and quantify the impact on biological systems in the water environment in the area directly affected by the treatment activities as well as downstream from these activities.
- A competent and capable aquatic scientist must be appointed to submit a monitoring programme for aquatic macro-invertebrates and habitat integrity. Aquatic macro-invertebrates must be sampled using the latest South African Scoring System method. Habitat Integrity must be assessed using the Rapid Bio Assessment Analysis method described by the Department.
- Conduct an annual Hazard Identification and Risk Assessment to identify possible pollution sources.
- Identify the soil type of the instant lawn farm. Evaluate the irrigation practice on a yearly basis by a competent soil scientist to determine the efficient functioning and possible deterioration of the soil.
- Develop a sludge management plan in accordance with the guidelines for the utilization and disposal of wastewater sludge volume 1-5. The scope of work will be conducted to review the legislative compliance of Mogale City according to the guidelines for the utilisation and disposal of wastewater sludge volume 4 and 5:
  - Review existing information on the sludge classification and management at the Wastewater Treatment Works with regard to the:
    - Water use licenses or permits
    - Sludge classification and analytical test results
    - Evaluation of monitoring test results

- Test, Sampling and Analyses
  - According to the Sludge Guidelines surface water, groundwater and soil monitoring need to be conducted to monitor the effect of high-rate sludge application on the receiving environment. Therefore representative surface, groundwater and soil monitoring need to be conducted to monitor the impact of high-rate sludge application on the receiving environment.
  - Soil sampling programme and method need to be submitted as well as the analyses that will be conducted.
- Data interpretation and evaluation detail
  - The analytical data of the soil samples will be evaluated and compared to the metal limits for soil receiving high sludge loads as detailed in the sludge guidelines.
  - The analytical results of the water samples will be compared to the South African Water Quality Guidelines for domestic use.
- Report
  - The analytical results and interpretation thereof
  - Findings of the compliance review
  - Recommendations regarding sludge management towards compliance with regard to the legislation (National Water Act, Sludge Guidelines, National Environmental Management Act, etc.).
- Deliverables
  - Description of the activity and maps indicating current sample positions and soil sampling positions,
  - Compliance to Volume 4 of the Sludge Guidelines,
  - Assessment of the impact of the activity on the receiving environment, and
  - Recommended monitoring programme.
- Pricing / Costing schedule
  - Review existing information
  - Soil sampling and analyses
  - Data interpretation, reporting and internal review
  - Presentation of findings to Mogale City
- Conduct an annual audit on existing flow-measuring devices, calibrate and repair the existing flow measuring devices as per the audit.
- Conduct compliance analyses and sampling as required:
  - Sampling and analysis shall, wherever applicable, be carried out in accordance with methods prescribed by, and obtained from, the Standards South Africa, in terms of the Standards Act, Act 30 of 1982.
  - Sample analysis must be conducted by a recognized analytical laboratory, accredited to analyse the relevant constituents in the wastewater.
  - Analyses must be performed by qualified personnel (BSc degree and/or National Diploma in Analytical Chemistry).
  - Participation in regular inter-laboratory comparison tests as organized by the South African National Standards and National Laboratory Association South Africa.
  - Quality control checks must be done on analyses, in order to determine the correctness of the results obtained (anion – cation balance).
  - Lists of analytical methods used to perform analysis should be provided (South African National Standards or the equivalent thereof).

### 3. DELIVERABLES

#### 3.a) Flip Human WWTW:

- Description of the activity and maps indicating current sample positions and soil sampling positions,
  - Ground Water Sampling Points

Site	Start Co-ordinates	End Co-ordinates	Selected Station	Drilling Target	Proposed Drilling Depth
Line 1	S26.18494 E027.76631	S26.18494 E027.76631	Line 1/204m	Geophysics Anomaly	80m
Line 3	S26.18049 E027.77548	S26.18076 E027.77708	Line 3/60m	Geophysics Anomaly	80m
Line 4	S26.18469 E027.78424	S26.18616 E027.78375	Line 4/20m	Geophysics Anomaly	80m



- Surface Water Sampling Points

Locality	Description	Latitude	Longitude
FHU01	Wonderfontein Spruit u/s of WWTW	S26.17748	E27.76629
FHDP	WWTW final effluent	S26.18346	E27.76531
FHD01	Wonderfontein Spruit d/s of WWTW	S26.18615	E27.76052

- Biomonitoring Sampling Points

Bio-Monitoring Sampling Points	Points of Interest	Co-Ordinates
FHU1 (Upstream)		S26.17818 E27.76631
	FHDP (Discharge Point)	S26.18402 E27.76448
FHD1 (Downstream)		S26.18595 E27.76037
	Observed sewage spill (SSP)	S26.20303 E27.74289
	Dam	S26.20584 E27.74329



○ Soil Sampling Points

Soil samples should be collected at six different localities. The samples should be collected at specific depths at each soil sampling site (0-100, 100-200, 200-300, 300-400, 400-500mm) as specified in the guidelines for the utilization and disposal of wastewater sludge volume 3-5. Specific depth of soil samples collected at the on-site localities must be composited into three representative samples. Baseline soil samples must be collected at different depth at a carefully selected locality upstream from the Wastewater Treatment Works to use as a comparative component. Along with the soil samples, one sample should be taken of the water that is used for irrigation as well as one raw sludge sample.

Sample ID	Latitude	Longitude
FH Baseline	-26.178	27.77443
FH SS1	-26.1827	27.77809
FH SS2	-26.1865	27.77545
FH SS3	-26.1844	27.77884
FH SS4	-26.1868	27.78156
FH SS5	-26.1833	27.78186

Sample preparation:

A total of three composite samples (FH SS1, FH SS2 and FH SS3) were prepared as follow:

- Soil sample 1 (FH SS1): Composite sample of five soil samples 0-100mm
- Soil sample 2 (FH SS2): Composite sample of five soil samples 100-200mm
- Soil sample 3 (FH SS3): Composite sample of five soil samples 200-300mm

Two baseline soil samples (FH baseline (0-100 and 100-200)) were prepared as follow:

- Soil sample 4 (FH baseline (0-100)): soil sample 0-100
- Soil sample 5 (FH baseline (100-200)): soil sample 100-200

Lab Analyses:

Five soil samples were sent for the following analyses:

- XRD analysis for mineralogical composition
- Aqua-Regia whole rock digest and ICP-MS analysis of the leachate to determine the metal and macro-chemical composition
- A 1:20 ration distilled water leach was done to simulate leaching potential from rainfall

Soil Screening Values (SSV) for each Land Use:

The results obtained from the laboratory should be compared to the soil screening value stipulated for different land uses. The reason for the assessment in accordance with SSV is to determine if the irrigation of wastewater on the soils had an impact on the soil quality.



- Compliance to Volume 4 of the Sludge Guidelines,
- Assessment of the impact of the activity on the receiving environment, and
- Recommended monitoring programme.
- Conduct an annual audit on existing flow-measuring devices, calibrate and repair the existing flow measuring devices as per the audit.
- Conduct compliance analyses and sampling as required:
  - Sampling and analysis shall, wherever applicable, be carried out in accordance with methods prescribed by, and obtained from, the Standards South Africa, in terms of the Standards Act, Act 30 of 1982.
  - Sample analysis must be conducted by a recognized analytical laboratory, accredited to analyse the relevant constituents in the wastewater.
  - Analyses must be performed by qualified personnel (BSc degree and/or National Diploma in Analytical Chemistry).
  - Participation in regular inter-laboratory comparison tests as organized by the South African National Standards and National Laboratory Association South Africa.
  - Quality control checks must be done on analyses, in order to determine the correctness of the results obtained (anion – cation balance).
  - Lists of analytical methods used to perform analysis should be provided (Standards South Africa or the equivalent thereof).

**Flip Human WWTW:**

DETERMINANTS	UNIT OF MEASURE
Irrigation Effluent	
pH	
Electrical Conductivity	mS/m
Suspended Solids	mg/l
Chemical Oxygen Demand	mg/l
Nitrate	mg/l as N

Ammonia	mg/l as N
Ortho-Phosphate	mg/l as P
E Coli	per 100ml
Groundwater	
pH	
Total Dissolved Solids	mg/l
Electrical Conductivity	mS/m
Sodium	mg/l
Calcium (Ca)	mg/l
Magnesium	mg/l
Sulphate	mg/l
Faecal coliform	Count/100ml
Chloride	mg/l
Nitrate	mg/l as N
Fluoride	mg/l
Chemical Oxygen Demand	mg/l
Suspended Solids	mg/l
Ammonia	mg/l as N
Ortho-Phosphate	mg/l as P
E Coli	Count/100ml
Soap, grease, or oil	mg/l
Residual Chlorine	
Surface-water	
Ph	
Total Dissolved Solids	mg/l
Electrical Conductivity	mS/m
Sodium	mg/l
Calcium (Ca)	mg/l
Magnesium	mg/l
Chloride	mg/l
Nitrate	mg/l as N
Suspended Solids	mg/l
Ammonia	mg/l as N
Ortho-Phosphate	mg/l as P
Sulphate	mg/l
Chemical Oxygen Demand	mg/l
Faecal Coliforms	cfu/100ml
E Coliforms	cfu/100ml
Final Effluent, Upstream & Downstream	
pH	
Electrical Conductivity	mS/m
Suspended Solids	mg/l
Chemical Oxygen Demand	mg/l
Nitrate	mg/l as N
Ammonia	mg/l as N
Ortho-Phosphate	mg/l as P
E Coli	per 100ml



3.b) Magaliesburg WWTW:

- Description of the activity and maps indicating current sample positions and soil sampling positions,
  - Ground Water Sampling Points

Site	Start Co-ordinates
Line 1	S25.9887 E027.541017
Line 2	S25.992179 E027.540737
Line 4	S25.99711 E027.54185
Line 5	S25.988855 E027.54085

- Surface Water Sampling Points

Locality	Description	Latitude	Longitude
MU01	Magalies River u/s of WWTW	To be determined	To be determined
MDP	WWTW final effluent	To be determined	To be determined
MD01	Magalies River d/s of WWTW	To be determined	To be determined

- Biomonitoring Sampling Points

Bio-Monitoring Sampling Points	Co-Ordinates
MU1 (Upstream)	To be determined
MFE	To be determined
MD1 (Downstream)	To be determined

- Soil Sampling Points

Soil samples should be collected at six different localities. The samples should be collected at specific depths at each soil sampling site (0-100, 100-200, 200-300, 300-400, 400-500mm) as specified in the guidelines for the utilization and disposal of wastewater sludge volume 3-5. Specific depth of soil samples collected at the on-site localities must be composited into three representative samples. Baseline soil samples must be collected at different depth at a carefully selected locality upstream from the Wastewater Treatment Works to use as a comparative component. Along with the soil samples, one sample should be taken of the water that is used for irrigation as well as one raw sludge sample.

Sample ID	Latitude	Longitude
M Baseline	To be determined	To be determined
M SS1	To be determined	To be determined
M SS2	To be determined	To be determined
M SS3	To be determined	To be determined
M SS4	To be determined	To be determined
M SS5	To be determined	To be determined

Sample preparation:

A total of three composite samples (M SS1, M SS2 and M SS3) were prepared as follow:

- Soil sample 1 (M SS1): Composite sample of five soil samples 0-100mm
- Soil sample 2 (M SS2): Composite sample of five soil samples 100-200mm
- Soil sample 3 (M SS3): Composite sample of five soil samples 200-300mm

Two baseline soil samples (M baseline (0-100 and 100-200)) were prepared as follow:

- Soil sample 4 (M baseline (0-100)): soil sample 0-100
- Soil sample 5 (M baseline (100-200)): soil sample 100-200

Lab Analyses:

Five soil samples were sent for the following analyses:

- XRD analysis for mineralogical composition
- Aqua-Regia whole rock digest and ICP-MS analysis of the leachate to determine the metal and macro-chemical composition
- A 1:20 ration distilled water leach was done to simulate leaching potential from rainfall

Soil Screening Values (SSV) for each Land Use:

The results obtained from the laboratory should be compared to the soil screening value stipulated for different land uses. The reason for the assessment in accordance with SSV is to determine if the irrigation of wastewater on the soils had an impact on the soil quality.

- Compliance to Volume 4 of the Sludge Guidelines,
- Assessment of the impact of the activity on the receiving environment, and
- Recommended monitoring programme.
- Conduct an annual audit on existing flow-measuring devices, calibrate and repair the existing flow measuring devices as per the audit.
- Conduct compliance analyses and sampling as required:
  - Sampling and analysis shall, wherever applicable, be carried out in accordance with methods prescribed by, and obtained from, Standards South Africa, in terms of the Standards Act, Act 30 of 1982.
  - Sample analysis must be conducted by a recognized analytical laboratory, accredited to analyse the relevant constituents in the wastewater.
  - Analyses must be performed by qualified personnel (BSc degree and/or National Diploma in Analytical Chemistry).
  - Participation in regular inter-laboratory comparison tests as organized by the South African National Standards and National Laboratory Association South Africa.
  - Quality control checks must be done on analyses, in order to determine the correctness of the results obtained (anion – cation balance).
  - Lists of analytical methods used to perform analysis should be provided (South African National Standards or the equivalent thereof).

**Magaliesburg WWTW:**

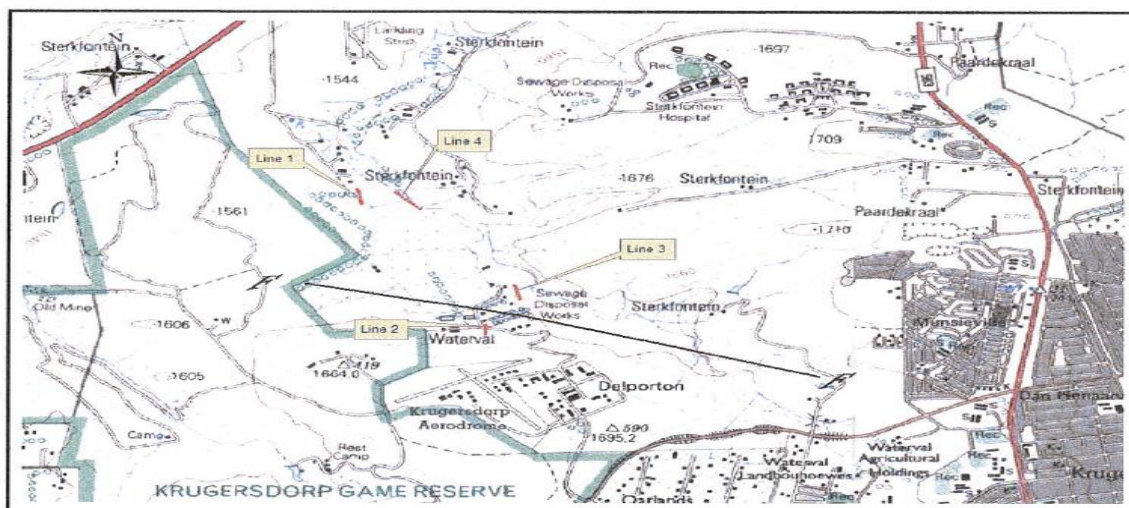
<b>DETERMINANTS</b>	<b>UNIT OF MEASURE</b>
Irrigation Effluent	
pH	
Electrical Conductivity	mS/m
Suspended Solids	mg/l
Chemical Oxygen Demand	mg/l
Nitrate	mg/l as N
Ammonia	mg/l as N
Ortho-Phosphate	mg/l as P
E Coli	per 100ml
Soap, grease, or oil	mg/l
Residual Chlorine	
Groundwater	
pH	
Total Dissolved Solids	mg/l
Electrical Conductivity	mS/m
Chemical Oxygen Demand	mg/l
Suspended Solids	mg/l
Ammonia	mg/l as N
Ortho-Phosphate	mg/l as P
E Coli	Count/100ml
Residual Chlorine	
Soap, grease, or oil	mg/l
Sodium	mg/l
Calcium (Ca)	mg/l
Magnesium	mg/l
Sulphate	mg/l
Faecal coliform	Count/100ml

Chloride	mg/l
Nitrate	mg/l as N
Fluoride	mg/l
Surface-water	
pH	
Total Dissolved Solids	mg/l
Electrical Conductivity	mS/m
Sodium	mg/l
Calcium (Ca)	mg/l
Magnesium	mg/l
Chloride	mg/l
Nitrate	mg/l as N
Suspended Solids	mg/l
Ammonia	mg/l as N
Ortho-Phosphate	mg/l as P
Sulphate	mg/l
Chemical Oxygen Demand	mg/l
Faecal Coliforms	cfu/100ml
E Coliforms	cfu/100ml
Final Effluent, Upstream & Downstream	
pH	
Electrical Conductivity	mS/m
Suspended Solids	mg/l
Chemical Oxygen Demand	mg/l
Nitrate	mg/l as N
Ammonia	mg/l as N
Ortho-Phosphate	mg/l as P
E Coli	per 100ml
Soap, grease, or oil	mg/l
Residual Chlorine	mg/l

3.c) Percy Stewart WWTW:

- Description of the activity and maps indicating current sample positions and soil sampling positions,
  - Ground Water Sampling Points

Site	Start Co-ordinates	End Co-ordinates	Selected Station	Drilling Target	Proposed Drilling Depth
Line 1	S26.06574 E027.71876	S26.06535 E027.71867	Line 1/33m	Dolomite	50m
Line 2	S26.07669 E027.72704	S26.07636 E027.72699	Line 2/19m	Fractured Zone	80m
Line 3	S26.07388 E027.72916	S26.07294 E027.72886	Line 3/72m	Fractured Zone	120m
Line 4	S26.06669 E027.72290	S26.06474 E027.72159	Line 4/120m	Dolomite	50m



○ Surface Water Sampling Points

Locality	Description	Latitude	Longitude
PSU01	Blougatspruit u/s from WWTW	S26.07342	E27.72904
PSDP	WWTW final effluent	S26.07010	E27.72754
PSD01	Blougatspruit d/s from WWTW	S26.06556	E27.72230

○ Biomonitoring Sampling Points

Bio-Monitoring Sampling Points	Co-Ordinates
PSU1 (Blougat Spruit, Upstream of potential Percy Stewart WWTW impacts)	S26.07133 E27.72886
PSD1 (Blougat Spruit, downstream of potential Percy Stewart WWTW impacts)	S26.06493 E27.72197



○ Soil Sampling Points

Nine soil samples should be collected across the 70ha and one baseline soil sample upstream from the Wastewater Treatment Works. Soil samples should be collected at the following depths from 0-100, 100-200, 200-300, 300-400 and 400-500mm at each soil sample site. Along with the soil samples, one sample should be taken of the water that is used for irrigation as well as one raw sludge sample.

Sample ID	Latitude	Longitude
PS Baseline	-26.0788	27.7327
PS SS1	-26.0749	27.72538
PS SS2	-26.0728	27.72671
PS SS3	-26.0725	27.72375
PS SS4	-26.0731	27.72108
PS SS5	-26.0737	27.71741
PS SS6	-26.0701	27.72075
PS SS7	-26.0667	27.71904
PS SS8	-26.0671	27.72232
PS SS9	-26.0683	27.72543

### Sample preparation:

A total of five composite samples (PS SS1, PS SS2, PS SS3, PS SS4 and PS SS5) were prepared as follow:

- Soil sample 1 (PS SS1): Composite sample of five soil samples 0-100mm
- Soil sample 2 (PS SS2): Composite sample of five soil samples 100-200mm
- Soil sample 3 (PS SS3): Composite sample of five soil samples 200-300mm
- Soil sample 4 (PS SS4): Composite sample of five soil samples 300-400mm
- Soil sample 5 (PS SS5): Composite sample of five soil samples 400-500mm

Four background soil samples were prepared as follow:

- Soil sample 6 (PS base 1): Soil sample 0-100mm
- Soil sample 7 (PS base 2): Soil sample 100-200mm
- Soil sample 8 (PS base 3): Soil sample 200-300mm
- Soil sample 9 (PS Base 4): Soil sample 300-400mm

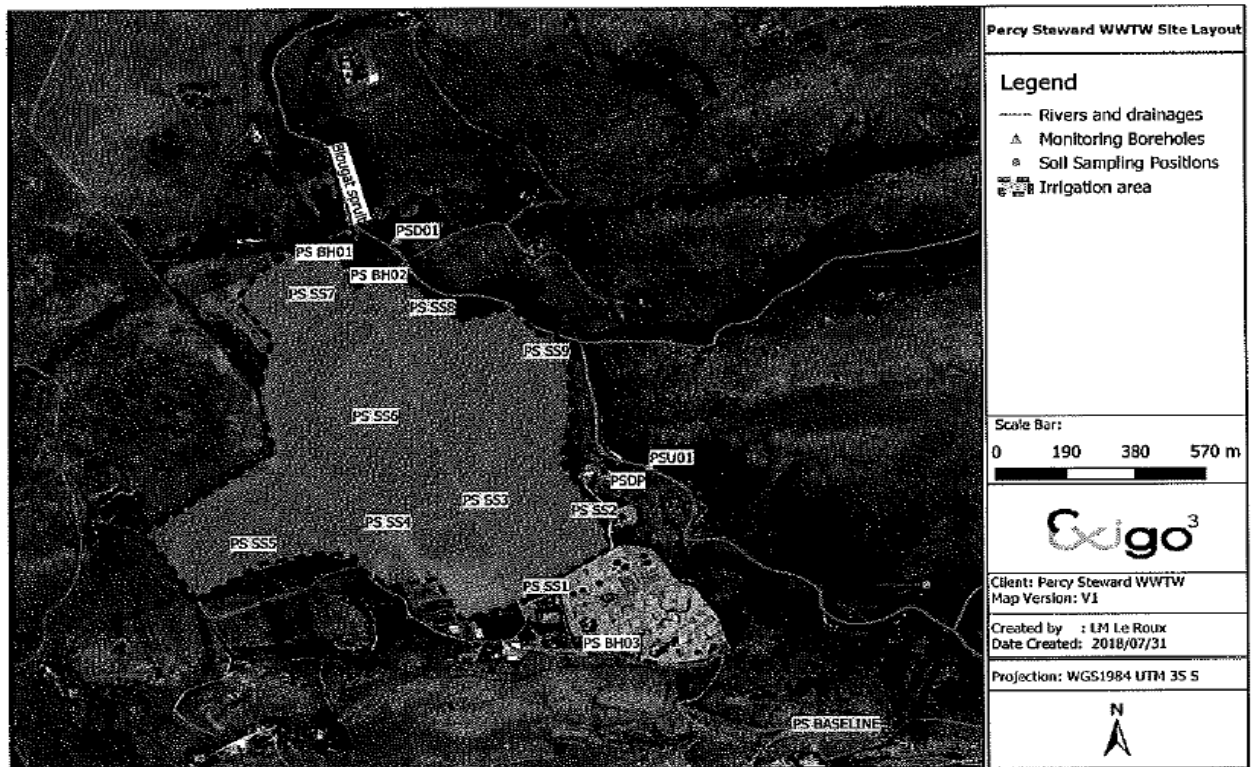
### Lab Analyses:

Five soil samples were sent for the following analyses:

- XRD analysis for mineralogical composition
- Aqua-Regia whole rock digest and ICP-MS analysis of the leachate to determine the metal and macro-chemical composition
- A 1:20 ration distilled water leach was done to simulate leaching potential from rainfall

### Soil Screening Values (SSV) for each Land Use:

The results obtained from the laboratory should be compared to the soil screening value stipulated for different land uses. The reason for the assessment in accordance with SSV is to determine if the irrigation of wastewater on the soils had an impact on the soil quality.



- Compliance to Volume 4 of the Sludge Guidelines,
- Assessment of the impact of the activity on the receiving environment, and

- Recommended monitoring programme.
- Conduct an annual audit on existing flow-measuring devices, calibrate and repair the existing flow measuring devices as per the audit.
- Conduct compliance analyses and sampling as required:
  - Sampling and analysis shall, wherever applicable, be carried out in accordance with methods prescribed by, and obtained from Standards South Africa, in terms of the Standards Act, Act 30 of 1982.
  - Sample analysis must be conducted by a recognized analytical laboratory, accredited to analyse the relevant constituents in the wastewater.
  - Analyses must be performed by qualified personnel (BSc degree and/or National Diploma in Analytical Chemistry).
  - Participation in regular inter-laboratory comparison tests as organized by the South African National Standards and National Laboratory Association South Africa.
  - Quality control checks must be done on analyses, in order to determine the correctness of the results obtained (anion – cation balance).
  - Lists of analytical methods used to perform analysis should be provided (South African National Standards or the equivalent thereof).

### Percy Stewart WWTW:

DETERMINANTS	UNIT OF MEASURE
Irrigation Effluent	
pH	
Electrical Conductivity	mS/m
Suspended Solids	mg/l
Chemical Oxygen Demand	mg/l
Nitrate	mg/l as N
Ammonia	mg/l as N
Ortho-Phosphate	mg/l as P
E Coli	per 100ml
Groundwater	
pH	
Total Dissolved Solids	mg/l
Electrical Conductivity	mS/m
Sodium	mg/l
Calcium (Ca)	mg/l
Magnesium	mg/l
Sulphate	mg/l
Faecal coliform	Count/100ml
Chloride	mg/l
Nitrate	mg/l as N
Fluoride	mg/l
Chemical Oxygen Demand	mg/l
Suspended Solids	mg/l
Ammonia	mg/l as N
Ortho-Phosphate	mg/l as P
E Coli	Count/100ml
Soap, grease, or oil	mg/l
Residual Chlorine	
Surface-water	
Ph	
Total Dissolved Solids	mg/l
Electrical Conductivity	mS/m
Sodium	mg/l
Calcium (Ca)	mg/l

Magnesium	mg/l
Chloride	mg/l
Nitrate	mg/l as N
Suspended Solids	mg/l
Ammonia	mg/l as N
Ortho-Phosphate	mg/l as P
Sulphate	mg/l
Chemical Oxygen Demand	mg/l
Faecal Coliforms	cfu/100ml
E Coliforms	cfu/100ml
Final Effluent, Upstream & Downstream	
pH	
Electrical Conductivity	mS/m
Suspended Solids	mg/l
Chemical Oxygen Demand	mg/l
Nitrate	mg/l as N
Ammonia	mg/l as N
Ortho-Phosphate	mg/l as P
E Coli	per 100ml

#### 4. METHODOLOGY

Flip Human, Magaliesburg and Percy Stewart Wastewater Treatment Works:

1. Technical Inspections and Evaluation
  - a. Quantity of wastewater discharged into maturation ponds
  - b. Quantity of sludge discharged onto land previously used for cultivation of instant lawn
  - c. Calibration of flow meters, recording and integrating devices

##### Flip Human

Replacement & Calibration of the Digested pump to farm
<ul style="list-style-type: none"> <li>• SAFMAG</li> <li>• MOD 200D2NESSR0111MX</li> <li>• SIZE 200mm</li> <li>• Flow range 0-310 l/s</li> </ul>
Replacement & Calibration of the Raw feed to digester 2
<ul style="list-style-type: none"> <li>• SAFMAG</li> <li>• MOD 150D2NESSR0112MX</li> <li>• SIZE 150mm</li> <li>• Flow range 0-180 l/s</li> </ul>
Replacement & Calibration of the Raw feed to digester 3
<ul style="list-style-type: none"> <li>• SAFMAG</li> <li>• MOD 150D2NESSR0182MX</li> <li>• SIZE 150mm</li> <li>• Flow range 0-180 l/s</li> </ul>
Calibration of the Was 2.1 flow meter
<ul style="list-style-type: none"> <li>• Mobrey MCU 900</li> </ul>
Calibration of the Was 2.2 flow meter
<ul style="list-style-type: none"> <li>• Mobrey MCU 900</li> </ul>
Calibration of the Was 3 flow meter
<ul style="list-style-type: none"> <li>• Mobrey MCU 900</li> </ul>
Replacement & Calibrate the Raw feed to digester 1
<ul style="list-style-type: none"> <li>• SAFMAG</li> </ul>



<ul style="list-style-type: none"> <li>• MOD 150D2NESSR0142MX</li> <li>• SIZE 150mm</li> <li>• Flow range 0-180 l/s</li> </ul>
Replacement & Calibrate the Raw feed to digester 4 <ul style="list-style-type: none"> <li>• SAFMAG</li> <li>• MOD 150D2NESSR0152MX</li> <li>• SIZE 150mm</li> <li>• Flow range 0-180 l/s</li> </ul>
Calibrate the Inlet flow meter <ul style="list-style-type: none"> <li>• Mobrey MCU 900</li> </ul>
Calibrate & Installation of a new meter at the Flow to balancing dam <ul style="list-style-type: none"> <li>• Mobrey MCU 900</li> </ul>
Repair / Replace & Calibrate the Final chlorinated flow meter <ul style="list-style-type: none"> <li>• Mobrey MCU 900</li> </ul>
Repair / Replace & Calibrate the Final Maturation ponds flow meter <ul style="list-style-type: none"> <li>• Mobrey MCU 900</li> </ul>

Magaliesburg

An estimated quantity of six Mobrey MCU 900 to be quoted

An estimated quantity of six SAFMAG to be quoted

Final estimated flowmeters installations to be provided once the WWTW is operational.

Percy Stewart

<b>DESCRIPTION</b>
Calibration of the Gelita meter (Mobrey MCU 900)
Calibration of the Inlet works meter (Mobrey MCU 900)
Calibration of the PST 7 meter (Mobrey MCU 900)
Calibration of the Irrigation meter (Mobrey MCU 900)
Calibration of the Digested Sludge meter (Mobrey MCU 900)
Calibration of the Final meter (Mobrey MCU 900)
Calibration of the Final meter (Mobrey MCU 900)
Installation & calibration of a new Mobrey MCU 900 at the Raw Sludge Pump-Station
Repair / Replace the meter at Digester number 1 (Emflux) and calibrate
Repair / Replace the meter at Digester number 2 (Emflux) and calibrate
Installation of a new the meter at Digester number 4 (Mobrey MCU 900)
Repair the Magflow at the Humus Pump-station (Needs display unit) and calibrate
Repair the Emflux A200 at the RAS Pump-station (Needs display unit) and calibrate

d. Inspection of pipelines, pump stations and manholes

- i. Annual visual condition assessment on the pipelines with photographic evidence
- ii. Annual visual condition assessment on the pump stations with photographic evidence
- iii. Risk abatement plan to address pipelines and pump stations

<b>Flip Human WWTW</b>			
<b>Outfall Sewer</b>	<b>Length (km)</b>	<b>Diameter/Size (mm)</b>	<b>Pump Station</b>
Eastern Old outfall sewer	13,5	450	No
Eastern New outfall sewer	8,5	600 - 900	No
Western outfall sewer	10,8	150 - 250 - 300 - 450	No

Sinqobile / Chief Mogale outfall sewer and rising main	12	350 - 450	Chief Mogale
Lusaka / Rietvallei outfall sewer and rising main	4	200	Lusaka p/s
		200 - 250	Rietvallei Ext 1 p/s
Rietvallei Proper and Ext 5 outfall sewer and rising main	3	200 - 350	Rietvallei Ext 5 p/s
Millsite New	5	250 - 450	No
Breaunanda	2,1	300	Adam street p/s
Azaadville outfall sewer	0,85	250	No
Kagiso outfall sewer	3,4	300	No
<b>Percy Stewart WWTW</b>			
<b>Outfall Sewer</b>	<b>Length (km)</b>	<b>Diameter/Size (mm)</b>	<b>Pump Station</b>
Northern outfall sewer	14,5	250 - 600	Chancliff p/s
			Bush street p/s
Munsieville	9,5	350	No
Munsieville Ext 4 outfall sewer and rising main	2	200 - 350	Munsieville Ext 4 p/s
Millsite Old / Game Reserve	11,2	250 - 600	No
Krugersdorp outfall sewer	14,4	600	No
<b>Magaliesburg WWTW</b>			
<b>Outfall Sewer</b>	<b>Length (km)</b>	<b>Diameter/Size (mm)</b>	<b>Pump Station</b>
Magaliesburg outfall sewer and rising main	2	160 - 250	River p/s
			Hilltop p/s
Ga Mohale rising main	1	250	Ga Mohale p/s

**Note:**

\* Pipe lengths and diameters are estimated and must be confirmed on site

- e. Records of system malfunctions
2. Surface Water and Groundwater Analyses
3. Bio-Monitoring
4. Soil Assessment and Quality Analyses
5. Sludge Analysis and Classification as per Volume 4 of the sludge Guidelines
6. Management Plans
  - a. Compilation of sludge management plan
  - b. Compilation of stormwater management plan
  - c. Review of operations and maintenance plan
  - d. Review of emergency and contingency plan
7. Review of Access Control and Security Measures
8. Compilation of Audit Report

## 5. COST SCHEDULE

### 5.a) COST SCHEDULE FOR PROFESSIONAL FEES (FLIP HUMAN WASTEWATER TREATMENT WORKS):

	Description	Unit Cost (R)
1.	<p>Technical Inspections and Evaluation</p> <ul style="list-style-type: none"> <li>• Review of available records on quantity of wastewater discharged</li> <li>• Review of available records on quantity of sludge discharged</li> <li>• Repair / Replace / Calibration of flow meters, recording and integrating devices (12)</li> <li>• Inspection of pipelines, pump-stations and manholes in the Mogale City area               <ul style="list-style-type: none"> <li>○ Annual visual condition assessment on the pipelines with photographic evidence</li> <li>○ Annual visual condition assessment on the pump stations with photographic evidence</li> <li>○ Risk abatement plan to address pipelines and pump stations</li> </ul> </li> </ul>	
2.	<p>Surface (3xsamples / month) and Groundwater Analyses (3xsamples/quarter)</p> <ul style="list-style-type: none"> <li>• Fieldwork – surface and groundwater sampling</li> <li>• Travel for monitoring field work</li> </ul>	
	<p>Water Analyses</p> <ul style="list-style-type: none"> <li>• Surface water analyses – 3 samples to be analyses monthly</li> <li>• Groundwater analyses – 3 borehole samples to be analysed quarterly</li> </ul>	
	<p>Water Quality Reports</p> <ul style="list-style-type: none"> <li>• Monthly abbreviated surface water quality report</li> <li>• Quarterly abbreviated groundwater quality report</li> <li>• Annual surface water quality report</li> <li>• Annual groundwater quality report</li> </ul>	
	<p>Groundwater Pollution Incident</p> <ul style="list-style-type: none"> <li>• Groundwater Analyses (3xadditional samples/quarter)</li> <li>• Fieldwork – groundwater sampling</li> <li>• Travel for monitoring field work</li> <li>• Submission of report with recommendations on additional monitoring and rehabilitation measures required</li> </ul>	
	<p>Drilling of boreholes</p> <ul style="list-style-type: none"> <li>• Drilling of one additional borehole / annum with required as per the groundwater monitoring plan and hydro-census report</li> </ul>	
	<p>Surface water Pollution Incident</p> <ul style="list-style-type: none"> <li>• Surface water Analyses (3xadditional samples/quarter)</li> <li>• Fieldwork – surface water sampling</li> <li>• Travel for monitoring field work</li> <li>• Submission of report with recommendations on additional monitoring and rehabilitation measures required</li> </ul>	
3.	<p>Bio-Monitoring</p> <ul style="list-style-type: none"> <li>• Fieldwork – surface water and groundwater sampling (travel cost for monitoring field work to be included)</li> <li>• Surveys               <ul style="list-style-type: none"> <li>○ Wet season</li> <li>○ Dry season</li> </ul> </li> </ul>	
4.	<p>Soil Assessment and Quality Analyses</p> <ul style="list-style-type: none"> <li>• Fieldwork               <ul style="list-style-type: none"> <li>○ Sampling of soil material data for leach tests and classification</li> <li>○ Travel and subsistence</li> </ul> </li> <li>• Soil analyses and classification               <ul style="list-style-type: none"> <li>○ Geochemical assessment of the soil material</li> <li>○ Soil analysis by an accredited South African National Standards laboratory</li> <li>○ Interpretation of tests and reporting</li> </ul> </li> <li>• Soil assessment, reporting and cumulative impact assessment</li> </ul>	

	<ul style="list-style-type: none"> <li>○ Detailed soil assessment report</li> <li>○ Cumulative impact assessment</li> </ul>	
5.	<b>Sludge Analysis and Classification</b> <ul style="list-style-type: none"> <li>● Analyses and classification <ul style="list-style-type: none"> <li>○ Sludge analyses (Raw sludge, digested sludge, irrigation effluent = 3 samples/month)</li> <li>○ Sludge classification</li> <li>○ Sewage sludge project management report</li> </ul> </li> </ul>	
6.	<b>Management Plans</b> <ul style="list-style-type: none"> <li>● Compilation of sludge management plan <ul style="list-style-type: none"> <li>○ Review of sludge analyses and classification results</li> <li>○ Compilation of sludge management plan</li> </ul> </li> <li>● Compilation of stormwater management plan <ul style="list-style-type: none"> <li>○ Topographical survey</li> <li>○ Percolation tests</li> <li>○ Stormwater impact assessment</li> </ul> </li> <li>● Review of operation and maintenance plan <ul style="list-style-type: none"> <li>○ Review of operations and maintenance plan for conformance with requirements of the Water Use License conditions</li> </ul> </li> <li>● Review of Emergency and Contingency Plan <ul style="list-style-type: none"> <li>○ Review of emergency and contingency plan for conformance with requirements of the Water Use License conditions</li> </ul> </li> </ul>	
7.	<b>Review of Access Control and security measures</b> <ul style="list-style-type: none"> <li>● Inspection of security fencing &amp; access control, including notices</li> </ul>	
8.	<b>Compilation of audit report</b> <ul style="list-style-type: none"> <li>● Collation of all information and documents</li> <li>● Interpretation of data and results</li> <li>● Report writing</li> </ul>	
9.	<b>Total Cost (incl VAT)</b>	

Unit price year 2 and year 3 based on Consumer Price Index.

### 5.b) COST SCHEDULE FOR PROFESSIONAL FEES (MAGALIESBURG WASTEWATER TREATMENT WORKS:

	Description	Unit Cost (R)
1.	<b>Technical Inspections and Evaluation</b> <ul style="list-style-type: none"> <li>● Review of available records on quantity of wastewater discharged</li> <li>● Review of available records on quantity of sludge discharged</li> <li>● Repair / Replace / Calibration of flow meters, recording and integrating devices (12)</li> <li>● Inspection of pipelines, pump-stations and manholes <ul style="list-style-type: none"> <li>○ Annual visual condition assessment on the pipelines with photographic evidence</li> <li>○ Annual visual condition assessment on the pump stations with photographic evidence</li> <li>○ Risk abatement plan to address pipelines and pump stations</li> </ul> </li> </ul>	
2.	<b>Surface (3xsamples / month) and Groundwater Analyses (4xsamples/quarter)</b> <ul style="list-style-type: none"> <li>● Fieldwork – surface and groundwater sampling</li> <li>● Travel for monitoring field work</li> </ul>	
	<b>Water Analyses</b> <ul style="list-style-type: none"> <li>● Surface water analyses – 3 samples to be analyses monthly</li> <li>● Groundwater analyses – 4 borehole samples to be analysed quarterly</li> </ul>	
	<b>Water Quality Reports</b> <ul style="list-style-type: none"> <li>● Monthly abbreviated surface water quality report</li> <li>● Quarterly abbreviated groundwater quality report</li> <li>● Annual surface water quality report</li> <li>● Annual groundwater quality report</li> </ul>	
	<b>Groundwater Pollution Incident</b> <ul style="list-style-type: none"> <li>● Groundwater Analyses (3xadditional samples/quarter)</li> <li>● Fieldwork – groundwater sampling</li> </ul>	

	<ul style="list-style-type: none"> <li>• Travel for monitoring field work</li> <li>• Submission of report with recommendations on additional monitoring and rehabilitation measures required</li> </ul>	
	<p>Drilling of boreholes</p> <ul style="list-style-type: none"> <li>• Drilling of one additional borehole / annum with required as per the groundwater monitoring plan and hydro-census report</li> </ul>	
	<p>Surface water Pollution Incident</p> <ul style="list-style-type: none"> <li>• Surface water Analyses (3xadditional samples/quarter)</li> <li>• Fieldwork – surface water sampling</li> <li>• Travel for monitoring field work</li> <li>• Submission of report with recommendations on additional monitoring and rehabilitation measures required</li> </ul>	
3.	<p>Bio-Monitoring</p> <ul style="list-style-type: none"> <li>• Fieldwork – surface water and groundwater sampling (travel cost for monitoring field work to be included)</li> <li>• Surveys <ul style="list-style-type: none"> <li>○ Wet season</li> <li>○ Dry season</li> </ul> </li> </ul>	
4.	<p>Soil Assessment and Quality Analyses</p> <ul style="list-style-type: none"> <li>• Fieldwork <ul style="list-style-type: none"> <li>○ Sampling of soil material data for leach tests and classification</li> <li>○ Travel and subsistence</li> </ul> </li> <li>• Soil analyses and classification <ul style="list-style-type: none"> <li>○ Geochemical assessment of the soil material</li> <li>○ Soil analysis by an accredited South African National Standards laboratory</li> <li>○ Interpretation of tests and reporting</li> </ul> </li> <li>• Soil assessment, reporting and cumulative impact assessment <ul style="list-style-type: none"> <li>○ Detailed soil assessment report</li> <li>○ Cumulative impact assessment</li> </ul> </li> </ul>	
5.	<p>Sludge Analysis and Classification</p> <ul style="list-style-type: none"> <li>• Analyses and classification <ul style="list-style-type: none"> <li>○ Sludge analyses (Raw sludge, digested sludge, irrigation effluent = 3 samples/month)</li> <li>○ Sludge classification</li> <li>○ Sewage sludge project management report</li> </ul> </li> </ul>	
6.	<p>Management Plans</p> <ul style="list-style-type: none"> <li>• Compilation of sludge management plan <ul style="list-style-type: none"> <li>○ Review of sludge analyses and classification results</li> <li>○ Compilation of sludge management plan</li> </ul> </li> <li>• Compilation of stormwater management plan <ul style="list-style-type: none"> <li>○ Topographical survey</li> <li>○ Percolation tests</li> <li>○ Stormwater impact assessment</li> </ul> </li> <li>• Review of operation and maintenance plan <ul style="list-style-type: none"> <li>○ Review of operations and maintenance plan for conformance with requirements of the Water Use License conditions</li> </ul> </li> <li>• Review of Emergency and Contingency Plan <ul style="list-style-type: none"> <li>○ Review of emergency and contingency plan for conformance with requirements of the Water Use License conditions</li> </ul> </li> </ul>	
7.	<p>Review of Access Control and security measures</p> <ul style="list-style-type: none"> <li>• Inspection of security fencing &amp; access control, including notices</li> </ul>	
8.	<p>Compilation of audit report</p> <ul style="list-style-type: none"> <li>• Collation of all information and documents</li> <li>• Interpretation of data and results</li> <li>• Report writing</li> </ul>	
9.	<b>Total Cost (incl VAT)</b>	

Unit price year 2 and year 3 based on Consumer Price Index.

**5.c) COST SCHEDULE FOR PROFESSIONAL FEES (PERCY STEWART WASTEWATER TREATMENT WORKS:**

	<b>Description</b>	<b>Unit Cost (R)</b>
1.	<p>Technical Inspections and Evaluation</p> <ul style="list-style-type: none"> <li>• Review of available records on quantity of wastewater irrigated</li> <li>• Review of available records on quantity of sludge discharged</li> <li>• Repair / Replace / Calibration of flow meters, recording and integrating devices (13)</li> <li>• Inspection of pipelines, pump-stations and manholes in the Mogale City area <ul style="list-style-type: none"> <li>○ Annual visual condition assessment on the pipelines with photographic evidence</li> <li>○ Annual visual condition assessment on the pump stations with photographic evidence</li> <li>○ Risk abatement plan to address pipelines and pump stations</li> </ul> </li> </ul>	
2.	<p>Surface and Groundwater Analyses</p> <ul style="list-style-type: none"> <li>• Fieldwork – surface and groundwater sampling</li> <li>• Travel for monitoring field work</li> </ul>	
	<p>Water Analyses</p> <ul style="list-style-type: none"> <li>• Surface water analyses (3xsamples/month)</li> <li>• Groundwater analyses (4x samples/ quarter)</li> </ul>	
	<p>Water Quality Reports</p> <ul style="list-style-type: none"> <li>• Monthly abbreviated surface water quality report</li> <li>• Quarterly abbreviated groundwater quality report</li> <li>• Annual surface water quality report</li> <li>• Annual groundwater quality report</li> </ul>	
	<p>Groundwater Pollution Incident</p> <ul style="list-style-type: none"> <li>• Groundwater Analyses (3xadditional samples/quarter)</li> <li>• Fieldwork – groundwater sampling</li> <li>• Travel for monitoring field work</li> <li>• Submission of report with recommendations on additional monitoring and rehabilitation measures required</li> </ul>	
	<p>Drilling of boreholes</p> <ul style="list-style-type: none"> <li>• Drilling of one additional borehole / annum with required as per the groundwater monitoring plan and hydro-census report</li> </ul>	
	<p>Surface water Pollution Incident</p> <ul style="list-style-type: none"> <li>• Surface water Analyses (3xadditional samples/quarter)</li> <li>• Fieldwork – surface water sampling</li> <li>• Travel for monitoring field work</li> <li>• Submission of report with recommendations on additional monitoring and rehabilitation measures required</li> </ul>	
3.	<p>Bio-Monitoring</p> <ul style="list-style-type: none"> <li>• Fieldwork – surface water and groundwater sampling (travel cost for monitoring field work to be included)</li> <li>• Surveys <ul style="list-style-type: none"> <li>○ Wet season</li> <li>○ Dry season</li> </ul> </li> </ul>	
4.	<p>Soil Assessment and Quality Analyses</p> <ul style="list-style-type: none"> <li>• Fieldwork <ul style="list-style-type: none"> <li>○ Sampling of soil material data for leach tests and classification</li> <li>○ Travel and subsistence</li> </ul> </li> <li>• Soil analyses and classification <ul style="list-style-type: none"> <li>○ Geochemical assessment of the soil material</li> <li>○ Soil analysis by an accredited South African National Standards laboratory</li> <li>○ Interpretation of tests and reporting</li> </ul> </li> <li>• Soil assessment, reporting and cumulative impact assessment <ul style="list-style-type: none"> <li>○ Detailed soil assessment report</li> </ul> </li> </ul>	

	<ul style="list-style-type: none"> <li>○ Cumulative impact assessment</li> </ul>	
5.	<b>Sludge Analysis and Classification</b> <ul style="list-style-type: none"> <li>• Analyses and classification <ul style="list-style-type: none"> <li>○ Sludge analyses (Raw sludge, digested sludge, irrigation effluent = 3 samples/month)</li> <li>○ Sludge classification</li> <li>○ Sewage sludge project management report</li> </ul> </li> </ul>	
6.	<b>Management Plans</b> <ul style="list-style-type: none"> <li>• Compilation of sludge management plan <ul style="list-style-type: none"> <li>○ Review of sludge analyses and classification results</li> <li>○ Compilation of sludge management plan</li> </ul> </li> <li>• Compilation of stormwater management plan <ul style="list-style-type: none"> <li>○ Topographical survey</li> <li>○ Percolation tests</li> <li>○ Stormwater impact assessment</li> </ul> </li> <li>• Review of operation and maintenance plan <ul style="list-style-type: none"> <li>○ Review of operations and maintenance plan for conformance with requirements of the Water Use License conditions</li> </ul> </li> <li>• Review of Emergency and Contingency Plan <ul style="list-style-type: none"> <li>○ Review of emergency and contingency plan for conformance with requirements of the Water Use License conditions</li> </ul> </li> </ul>	
7.	<b>Review of Access Control and security measures</b> <ul style="list-style-type: none"> <li>• Inspection of security fencing &amp; access control, including notices</li> </ul>	
8.	<b>Compilation of audit report</b> <ul style="list-style-type: none"> <li>• Collation of all information and documents</li> <li>• Interpretation of data and results</li> <li>• Report writing</li> </ul>	
9.	<b>Total Cost (incl VAT)</b>	

Unit price year 2 and year 3 based on Consumer Price Index.

### Summary

	Description	Unit Cost (R)
1.	Total Cost (incl Vat) – Flip Human WWTW	
2.	Total Cost (incl Vat) – Magaliesburg WWTW	
3.	Total Cost (incl Vat) – Percy Stewart WWTW	

\_\_\_\_\_  
Signature of Service Provider

\_\_\_\_\_  
Date

## 6. TECHNICAL EVALUATING CRITERIA

The below mentioned criteria regarding Functionality is required for responsiveness and therefore eligibility for the next stage of evaluation. This is done to determine the ability of each bidder to successfully execute the contract according to specifications.

Non-compliant bidders will be rejected after this phase and not continue to price scoring. These criteria shall only determine whether a tender will further be evaluated and will not influence the points scored on Price.

NO.	DESCRIPTION	WEIGHTS	MIN. SCORE
1.	<p><b>Demonstrated Company's experience with Wastewater Treatment Works projects.</b>            The bidder experience must also clearly indicate the capacity and ability to complete the scope of work.            (Demonstrate track record of experience with Wastewater Treatment Works projects completed with regard to the compliance monitoring in term of water use license conditions for a Wastewater Treatment Works)</p> <p>Previous Experience on the same nature of the work:</p> <ul style="list-style-type: none"> <li>• Two (2) projects with reference letters (2)</li> <li>• Three (3) projects with reference letters (3)</li> <li>• Four (4) projects with reference letters (4)</li> </ul> <p>Note:</p> <ul style="list-style-type: none"> <li>• Letter of appointment will not be accepted</li> <li>• Reference letter must be signed and dated by the client</li> <li>• Reference letter must contain a description of the work that was completed at a Wastewater Treatment Works as per the Water Use License</li> </ul>	4	2
2.	<p><b>Key Personnel / Project Team</b>            The personnel as listed must be the site team and may not be changed at time of implementation without prior notice to the client.</p> <p>Qualifications: environmental health or natural science and civil and chemical engineering</p> <ul style="list-style-type: none"> <li>• National Diploma in Analytical Chemistry with 3 years or more experience (5)</li> </ul>	15	10



	<ul style="list-style-type: none"> <li>• BSc in environmental health or natural science with 5 years or more experience (5)</li> <li>• BSc (Hons) in environmental health or natural science with 7 years or more experience (5)</li> <li>• Proof to be submitted – CV and copy of qualification provided by a Recognized South African Qualifications Authority.</li> </ul>		
	<b>TOTAL</b>	<b>19</b>	<b>12</b>

The purpose of the comparison is to ensure a meaningful evaluation; bidders are requested to furnish detailed information of substantiation of compliance to the evaluation criteria. The service provider should at least score the minimum of 12 points out of the 19 points in order to be considered to the next evaluation phase.

If any criterion is rated zero points, the tenderer will be rejected, even if the required 12 out of 19 points are achieved.

**Special Conditions:**

- Any replacement or new flow meter will not be accepted without the authorization by the project manager.
- Visual audits with photographic evidence must be submitted
- One service provider will be appointed to conduct all the work at the three Wastewater Treatment Works
- Bidder shall bid for all three Wastewater Treatment Works following to which bidder shall automatically be disqualified.

**7. LOCATION**

**PHYSICAL ADDRESS AND CONTACT DETAILS OF SITES**

<b>Wastewater Treatment Works</b>	<b>GPS Coordinates</b>	<b>Senior Superintendent</b>	<b>Cell No</b>
Flip Human	S261104 E274628	Johan Esterhuizen	083 280 2432
Magaliesburg	S259917 E275399	Edward Moyikwa	083 768 8099
Percy Stewart	S260436 E274342	Edward Moyikwa	083 768 8099

**TENDER NO: IDS (WWTP) 03/2024**

**TENDERS ARE HEREBY INVITED FOR THE APPOINTMENT OF A SERVICE PROVIDER FOR THE COMPLIANCE MONITORING IN TERMS OF THE LICENSE CONDITIONS FOR THE FLIP HUMAN, MAGALIESBURG & PERCY STEWART WASTEWATER TREATMENT WORKS FOR THE PERIOD OF THREE (3) YEARS.**

**IN COMPLIANCE WITH SECTION 27 OF SUPPLY CHAIN MANAGEMENT POLICY, THE MUNICIPALITY MUST DETERMINE THE RELEVANT CRITERIA THAT WILL BE USED TO MONITOR AND EVALUATE THE PREFERRED BIDDERS PERFORMANCE IN DELIVERING AGAINST THE DEFINED SCOPE, SUCH MUST AS A MINIMUM INCLUDE:**

<b>KEY PERFORMANCE AREAS</b>	<b>KEY PERFORMANCE INDICATORS</b>	<b>PORTFOLIO OF EVIDENCE</b>
<ul style="list-style-type: none"> <li>• <b>Implementation of the surface water programme</b></li> </ul>	<ul style="list-style-type: none"> <li>• The service provider must sample according to the coordinates as submitted in the tender documents</li> </ul>	<ul style="list-style-type: none"> <li>• A detailed monthly report with analysis report with recommendations as well as additional monitoring and rehabilitation measures required.</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Implementation of groundwater programme</b></li> </ul>	<ul style="list-style-type: none"> <li>• The service provider must sample according to the coordinates as submitted in the tender documents</li> <li>• A monitoring plan that will detect any pollution caused by seepage from the wastewater treatment works and irrigation lands.</li> </ul>	<ul style="list-style-type: none"> <li>• A quarterly report with quarterly analysis recommendations and rehabilitation measures required.</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Implementation of the bio-monitoring programme</b></li> </ul>	<ul style="list-style-type: none"> <li>• The programme must be able to qualify and quantify the impact on biological systems in the water environment in the area directly by the treatment activities as well as downstream from these activities as per the coordinates as submitted in the tender document.</li> </ul>	<ul style="list-style-type: none"> <li>• Wet season and dry season survey report</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Soil Assessment and Quality Analyses</b></li> </ul>	<p>Sampling of soil material data for leach tests and classification</p>	<ul style="list-style-type: none"> <li>• Annual Report</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Developing a sludge management plan</b></li> </ul>	<ul style="list-style-type: none"> <li>• The plan must be in accordance with the guidelines for the utilization and disposal</li> </ul>	<ul style="list-style-type: none"> <li>• Report</li> </ul>

	of wastewater sludge volume Travel and subsistence 1-5	
<ul style="list-style-type: none"> <li>• <b>Sludge Analyses and Classification</b></li> </ul>	<ul style="list-style-type: none"> <li>• Sludge analyses monitored monthly</li> <li>• Sludge classification</li> <li>• Sewage sludge project management</li> </ul>	<ul style="list-style-type: none"> <li>• Report</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Stormwater management plan</b></li> </ul>	<ul style="list-style-type: none"> <li>• Topographical survey</li> <li>• Percolation tests</li> <li>• Stormwater impact assessment</li> </ul>	<ul style="list-style-type: none"> <li>• Report</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Operation and maintenance plan</b></li> </ul>	<ul style="list-style-type: none"> <li>• Review of operations and maintenance plan for conformance with requirements of the Water Use License</li> </ul>	<ul style="list-style-type: none"> <li>• Report with recommendations</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Emergency and Contingency plan</b></li> </ul>	<ul style="list-style-type: none"> <li>• Review of emergency and contingency plan for conformance with requirements of the Water Use License conditions</li> </ul>	<ul style="list-style-type: none"> <li>• Report with recommendations</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Access Control and security measures</b></li> </ul>	<ul style="list-style-type: none"> <li>• Review of access control and security measures</li> <li>• Inspection of security fencing and access control, including notices</li> </ul>	<ul style="list-style-type: none"> <li>• Report with recommendations</li> </ul>

### SCORING GUIDELINES

- 1 = Poor (<59%) – Unacceptable Performance, the performance does not meet the standard expected, the contractor has failed to demonstrate the commitment level expected.
- 2 = Average (60-69%) – Performance not fully effective, performance is below the standard required, it meets some expectations.
- 3 = Above Average (70-79%) – Performance fully effective, performance fully meets standards expected as per the scope.
- 4 = Good (80%-89%) – Performance significantly above expectations, performance is significantly higher than the standard expected.
- 5 = Excellent (90%-100) – Outstanding performance, performance far exceeds the standard expected.

## BID CHECKLIST

This list is aimed at assisting all bidders to submit complete bid documents.

Bidders are to check the following points before the submission of their tender document and to complete YES/NO next to each item as an indication that the bidder has complied with the provision of the item concerned. If any of the items are marked as NO – it might lead to the disqualification of your bid.

ITEM	DESCRIPTION	YES	NO
1.	Bidder must attach the Central Supplier Database (CSD) Registration report.		
2.	Provide copy of your company VAT registration Certificate		
3.	The bidding entity as well as all its directors/shareholders must submit Municipal account not more than three (03) months / ninety (90) days plus in arrears at the time of the closing date. No bid will be awarded to a company and its directors that owe more than three (3) months charges to any municipality or metro.		
4.	<p>A valid lease agreement which is in the name of the business and or directors /shareholders, which must stipulate who is responsible for payment of Municipal services;</p> <p>(Copy of the lease agreement will only be accepted if water and lights are part of lease payment). Or</p> <p>If the Bidding Entity operates from informal settlement and is not responsible for Municipal account/services.</p> <ul style="list-style-type: none"> <li>• The bidder must submit confirmation on Municipality/Metro letterhead signed and stamped from the ward councilor/delegate or</li> </ul> <p>If the Bidding Entity operates from parents' place and is not responsible for Municipal account:</p> <ul style="list-style-type: none"> <li>• The bidder must submit the property owner's Municipal account and a Sworn Affidavit of the property owner with and original stamp from the Commissioner of Oaths.</li> </ul>		
5.	All pages of the bid document have been read by the bidder and the returnable schedules and MBD 's forms duly completed and signed. e.g. MBD1, MBD 4 , MBD 6.1, MBD 8 AND MBD 9.		
6.	All pages requiring information have been completed in full and in black ink.		
7.	No pages removed from the tender document		

8.	A copy of the resolution of your Board of Directors, similar to the attached specimen, authorizing the signatory to sign the tender and the subsequent contracts, has been attached and signed.		
9.	JV agreement has been attached and signed (if applicable)		
10.	Pricing Schedule must be Completed and signed		
11.	In case of any amendments made, was it signed in full by the authorized signatory?  Please note that the use of tipp-ex will lead to immediate disqualification.		
12.	Please declare any interest as required in terms of MBD - 4 truthfully and correctly as incorrect declarations are considered a criminal offence.  <ul style="list-style-type: none"> <li>▪ Personal Tax Numbers included</li> <li>▪ State Employee Number / Persal Number</li> <li>▪ Identity number</li> <li>▪ Name</li> </ul>		
13.	Please take note of the functionality evaluation criteria that will be applied to your submission in order to ensure that your company has the necessary capacity and capability to successfully execute this tender, if appointed.  Ensure that sufficient information is included in your submission to ensure successful evaluation of your bid.		

**PLEASE NOTE:**

- ❖ **No contract will be awarded to a service provider, if the service provider or its directors are in arrears with their municipal accounts for more than three (3) months.**
- ❖ **In case of a Joint Venture, please note that individual documents have to be submitted for all parties in the JV, such as tax clearance certificates, municipal accounts, etc.**
- ❖ **No communication with Mogale City Municipal officials are allowed after the closing date of the tender. The only authorized form of communication will be through the Supply Chain Management Office email address at [SCMEnquiries@mogalecity.gov.za](mailto:SCMEnquiries@mogalecity.gov.za)**