



a world class African city



City of Johannesburg

Johannesburg Water SOC Ltd

Turbine Hall
65 Ntemi Piliso Street
Newtown
Johannesburg

Johannesburg Water
PO Box 61542
Marshalltown
2107

Tel +27(0) 11 688 1400
Fax +27(0) 11 688 1528

www.johannesburgwater.co.za

**YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS
OF JOHANNESBURG WATER**

DESCRIPTION: Driefontein Works- Supply, Delivery and Replacement of Wash Water Pipes

RFQ NUMBER: RFQJW37ZZ26

ADVERT DATE: 08 JUNE 2026

CLOSING DATE: 25 JUNE 2026

CLOSING TIME: 16:00

RFQ VALIDITY PERIOD: 60 Days

**TOTAL QUOTATION VALUE MUST BE INCLUSIVE OF ALL APPLICABLE TAXES. NB:
FAILURE TO INCLUDE ALL APPLICABLE TAXES ON QUOTATION WILL LEAD TO
DISQUALIFICATION.**

**SUBMISSION OF QUOTATIONS: SUBMISSIONS MUST BE MADE ON THE E-TENDER PORTAL
(<https://www.etenders.gov.za>)**

**MANDATORY BRIEFING SESSION:
DATE: 18 June 2026
TIME: 11h00
ADDRESS: 55 Riverside road/Clinic road, Muldersdriefft**

CONTACT PERSON
SUPPLY CHAIN MANAGEMENT
Name: Nompumezo Sobhekwa/ Ziyanda Zulu
Tel No: 011 688 1656/ 011 688 6550
Email: Nompumezo.mramba@jwater.co.za /
ziyanda.zulu@jwater.co.za

CONTACT PERSON
END USER DEPARTMENT
Name: Kgomotso Nkgwe
Tel No:0635090259
Email: Kgomotso.nkgwe@jwater.co.za

Name of Bidder:
Total Amount excl. VAT:
VAT Amount:
Total Amount Incl. VAT:

Directors:

Ms Dineo Majavu (Chairperson), Mr Ntshavheni Mukwevho (Managing Director and Executive Director),
Mr Kgaugelo Mahlaba (Chief Financial Officer and Executive Director), Mr Siphon Mthembu, Ms Zandile Meeleso, Mr Pholoso Matjele,
Mr Molate Mashifane, Ms Pamela Mabece, Mr Collen Sambo, Mr Makoko Makgonye, Ms Thabiso Kutumela, Mr Kefiloe Mokoena

Ms Kethabile Mabe (Company Secretary),
Johannesburg Water SOC Ltd
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THIS BID IS SUBJECT TO THE PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT OF 2000 AND THE PREFERENTIAL PROCUREMENT REGULATIONS, 22, THE GENERAL CONDITIONS OF CONTRACT (GCC) AND, IF APPLICABLE, ANY OTHER SPECIAL CONDITIONS OF CONTRACT

QUOTATIONS WILL BE EVALUATED ON THE 80/20 POINT SCORING SYSTEM. 80 POINTS WILL BE ALLOCATED TO PRICE AND THE REMAINING 20 POINTS WILL BE ALLOCATED FOR SPECIFIC GOALS AS PER PPPFA 2022

ALL SUPPLIERS RESPONDING TO QUOTATIONS SHOULD BE REGISTERED ON CENTRAL SUPPLIER DATABASE (CSD)

- 1. QUOTATIONS MUST BE ON COMPANY LETTERHEADS**
- 2. QUOTATIONS RECEIVED AFTER CLOSING DATE AND TIME WILL NOT BE ACCEPTED.**
- 3. QUOTATIONS WITHOUT BRAND NAMES WHERE REQUIRED WILL NOT BE ACCEPTED**
- 4. TOTAL QUOTATION VALUE TO INCLUDE ALL APPLICABLE TAXES.**
- 5. SUBMIT A COPY OF A VALID BBBEE CERTIFICATE OR SWORN AFFIDAVIT.**
- 6. ENSURE THAT ALL ATTACHED MBD'S ARE DULY COMPLETED AND SIGNED**
- 7. SUBMIT A COPY OF VALID LEASE AGREEMENT OR MUNICIPAL ACCOUNT STATEMENT NOT OLDER THAN 3 MONTHS AND NOT IN AREAS FOR MORE THAN 90 DAYS**
- 8. ACCEPTANCE OF A QUOTATION WILL BE SUBJECT TO JOHANNESBURG WATER'S SUPPLY CHAIN POLICY**

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Guide: How to submit a response on the E-tender Portal

- Submit on E tender portal, following the below:
 1. (<https://www.etenders.gov.za/>)
 2. Search/Click Browse Opportunities by organ of state (Johannesburg Water)/search by RFQ reference number.
 3. Click the **+ sign** to expand the tender/ RFQ information.
 4. start the e submission process.
 5. Supplier login
 6. Use your CSD Credentials to Login. Contact CSD on (csd@treasury.gov.za) in case you forgot your login credentials. "My profile should show if you have logged in successfully".
 7. select supplier.
 8. check the submission checklist and attached the compulsory documents.
 9. confirm and proceed.

If the application is not going through on the E-tender portal Contact:

eTenders Contact Centre

+27(0)12 406 9222 / 012 406-9229 / 012 312-5000

etenders@treasury.gov.za <https://etenders.treasury.gov>

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SPECIFICATION:

Description	Quantity	Unit of Measure
1. replace 80mm 304s/s pipe	54	m
2. replace 100mm 304 s/s pipe	12	m
3. 90° x 100mm flanged elbows 304s/s - 8holes	3	each
4. 90° x 80mm flanged elbows 304s/s 8holes	10	each
5. 80mm T-pieces- flanged 304s/s	6	sum
6. Eccentric reducers 80mm – 50mm 304s/s	10	each
7. Eccentric reducers 100mm – 80mm 304s/s	6	each
8. Threaded Elbows 80mm 304s/s	7	each
9. 25mm pipe 304s/s	3	m
10. Pre-cut 3mm paper gasket	60	each
11. 8-hole flanges 304s/s (100mm bore, 80mm bore, 50mm bore)	90	each
12. bolts and nuts set 304s/s	sum	sum
13. labor remove and install pipes	sum	sum
14. transport	sum	km
15. safety file	item	item
NB: Site Visit Date and Time: 18 June 2026 - 11h00		

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**NB: Driefontein Works Address: 55 Riverside road/Clinic road,
Muldersdriefft**

**NB: Service Providers must always wear Safety PPE when
Entering the Plant**

For more information contact Kgomotso Nkgwe: 0635090259

08/06/2026

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MANDATORY REQUIREMENTS:

- 1.1 Full Completion of the Bill of Quantities (BOQ)/ Specification (where applicable)**
- 1.2 Attendance of compulsory site briefing (where applicable)**
- 1.3 Attachment of datasheet, reference letter, proof of certification, proof of accreditation, functionality requirements (where applicable)**
- 1.4 No RFQ will be considered from persons in the service of the state**
- 1.5 No Bidder who is blacklisted by National Treasury or any National Authority due to non-performance will be considered**
- 1.6 All Quotes should be on PDF (MS WORD, MS EXCEL, PICTURES ARE NOT ALLOWED) and On Company Letterhead**
- 1.7 Submission of a Joint Venture Agreement, where applicable, which has been properly signed by all parties**

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POPIA PRIVACY STATEMENT

Johannesburg Water SOC Limited

In terms of the Protection of Personal Information Act 213 (Act 4 of 2013), also called the POPI Act or POPIA, Johannesburg Water SOC Limited, undertakes all reasonable measures to protect personal information and to keep it private and confidential.

1. Privacy Notice applies to:

Suppliers, vendors, contractors, service providers, etc whether appointed or prospective.

2. Definitions of personal information

According to the Act "personal information" means information relating to an identifiable living, natural person, and where it is applicable, an identifiable, existing juristic person. All addresses including residential, postal and email addresses.

3. About the Public Entity

Johannesburg Water (SOC) Limited, registration number 2000/029271/30

3.1 The information we collect

We collect information directly from you where you provide us with your personal details. Where possible, we will inform you what information you are required to provide to us and what information is optional.

3.2 How Johannesburg Water use your information

We will use your personal information only for the purposes for which it was collected and agreed with you. For example: to gather contact information, to confirm and verify your identity, for the evaluation and adjudication of bids and quotations for tenders, request for quotations, and other personal information for the procurement of goods and services by the Entity.

3.3 Disclosure of information

We may disclose your personal information to our Shareholder, the City of Johannesburg, and other Government agencies such as National Treasury, and the Auditor-General of South Africa. We have agreements in place to ensure that they comply with the privacy requirements as required by the Protection of Personal Information Act.

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We may also disclose your information:

- Where we have a duty or a right to disclose in terms of law.
- Where we believe it is necessary to protect our rights.

3.4 Information Security

We are legally obliged to provide adequate protection for the personal information we hold and to stop unauthorised access and use of personal information. We will, on an ongoing basis, continue to review our security controls and related processes to ensure that your personal information remains secure.

When we contract with third parties, we impose appropriate security, privacy and confidentiality obligations on them to ensure that personal information that we remain responsible for is kept secure. We will ensure that anyone with whom we pass your personal information agrees to treat your information with the same level of protection as we are obliged to.

3.5 Your rights: Access to Information

You have the right to request a copy of the personal information we hold about you. To do this, simply contact us at informationofficer@jwater.co.za, and specify what information you require.

3.6 Correction of your personal information

You have the right to ask us to update, correct or delete your personal information. We will require a copy of your identification document to confirm your identity before making changes to personal information we may hold about you. We would appreciate it if you would keep your personal information accurate and up to date.

3.7 How to contact us

If you have any queries about this document; you need further information about our privacy practices; wish to withdraw consent; exercise preferences or access or correct your personal information, please contact us at the numbers listed on our website or send an email to informationofficer@jwater.co.za.

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**DATA SUBJECT CONSENT WITHDRAWAL FORM
IN TERMS OF THE PROTECTION OF PERSONAL INFORMATION ACT, NO. 4 OF
2013 (POPIA)**

CONSENT

Ia natural person “herein referred to as the “Data Subject” with identification number hereby withdraw my consent to process my personal information by Johannesburg Water SOC Ltd (Responsible Party). Therefore, Johannesburg Water SOC Ltd. no longer has my consent to process my personal information for the intended purpose

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

which was previously granted using the DATA SUBJECT CONSENT FORM.

The withdrawal of consent does not affect the lawfulness of the processing activities up to the date on this form.

Details of Data Subject

Name and surname:

Identification number:

Date of Birth:

Residential address:

.....

.....

Contact number(s):

E-mail address:

Relationship to Responsible Party:

Signed at _____ on this _____ day of _____ 20 ____

Signature of Data Subject

Information Officer/Deputy
Johannesburg Water SOC Ltd.



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ADMINISTRATIVE REQUIREMENTS

PLEASE SUPPLY THE FOLLOWING DOCUMENTS TO ENABLE US TO EVALUATE YOUR SUBMISSION:

Returnable Documents	Description	Yes/No
1	Original Valid Tax Clearance Certificate /valid SARS PIN	COMPULSORY
2	A, certified /original/valid, BBEE certificate /affidavit (Please note that the Sworn Affidavit must be compliant as per B- BBEE Practice Guide 01 of 2018 , NON-COMPLIANT AFFIDAVIT WILL BE SCORED ZERO)	COMPULSORY
3	Municipal rates and taxes (Must not be older than 90 days in arrears in line with regulation 38.	COMPULSORY
4	Signed Declaration of Interest form (MBD 4)	COMPULSORY
5	Declaration of Bidders past supply chain management practices (MBD 8)	COMPULSORY
6	Certificate of Independent Proposal Determination (MBD 9)	COMPULSORY
7	Proof of CSD registration /MAAA Supplier Number	COMPULSORY
8	Preference points claim form in terms of the preferential procurement regulations 2022 (MBD 6.1)	COMPULSORY
9	Company registration documents with ID copies of directors / shareholders.	COMPULSORY

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MBD 3.1

**PRICING SCHEDULE – FIRM PRICES
(PURCHASES)**

NOTE: ONLY FIRM PRICES WILL BE ACCEPTED. NON-FIRM PRICES (INCLUDING PRICES SUBJECT TO RATES OF EXCHANGE VARIATIONS) WILL NOT BE CONSIDERED

**IN CASES WHERE DIFFERENT DELIVERY POINTS INFLUENCE THE PRICING,
A SEPARATE PRICING SCHEDULE MUST BE SUBMITTED FOR EACH DELIVERY
POINT**

Name of Bidder.....	Bid Number.....
Closing Time	Closing Date.....

OFFER TO BE VALID FOR 60 DAYS FROM THE CLOSING DATE OF BID.

ITEM NO.	QUANTITY (QTY)	DESCRIPTION	UNIT PRICE (P)	TOTAL PRICE (QTY*P)
SUB-TOTAL				R
VAT AT 15%				R
GRAND TOTAL (BID PRICE IN RSA CURRENCY WITH ALL APPLICABLE TAXES INCLUDED)				R

I (full name) _____, in my capacity as _____, the duly authorized representative of _____ (company name) hereby declares that the offer is in

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accordance with the attached specification, notes to suppliers & accepts all conditions/ clauses contained in the said documents.

Signature of duly authorized representative

Date:

- Required by:

- At:

.....

- Brand and Model

- Country of Origin

- Does the offer comply with the specification(s)? *YES/NO

- If not to specification, indicate deviation(s)

- Period required for delivery

*Delivery: Firm/Not firm

- Delivery basis

Note: All delivery costs must be included in the bid price for delivery at the prescribed destination.

** "all applicable taxes" includes value-added tax, pay as you earn, income tax, unemployment insurance fund contributions and skills development levies.

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MBD 4

DECLARATION OF INTEREST

1. No bid will be accepted from persons in the service of the state¹.
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, hareholder²):
- 3.4 Company RegistrationNumber:
- 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.....

¹MSCM 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.

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- (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 provincial legislature.

2 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.....

.....

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3.12 Are any of the company's directors, trustees, managers, principal 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:

.....

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

Full Name	Identity Number	State Employee Number

.....

Signature

.....

Date

.....

Capacity

.....

Name of Bidder

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Johannesburg Water SOC Ltd

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MBD 6.1

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

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

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

1. GENERAL CONDITIONS

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

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

1.2 To be completed by the organ of state

(delete whichever is not applicable for this tender).

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

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

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

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1.4 To be completed by the organ of state:

The maximum points for this tender are allocated as follows:

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

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

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

2. DEFINITIONS

- (a) **“tender”** means a written offer in the form determined by an organ of state in response to an invitation to provide goods or services through price quotations, competitive tendering process or any other method envisaged in legislation.
- (b) **“price”** means an amount of money tendered for goods or services, and includes all applicable taxes less all unconditional discounts;
- (c) **“Rand value”** means the total estimated value of a contract in Rand, calculated at the time of bid invitation, and includes all applicable taxes;
- (d) **“tender for income-generating contracts”** means a written offer in the form determined by an organ of state in response to an invitation for the origination of income-generating contracts through any method envisaged in legislation that will result in a legal agreement between the organ of state and a third party that produces revenue for the organ of state, and includes, but is not limited to, leasing and disposal of assets and concession contracts, excluding direct sales and disposal of assets through public auctions; and

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(e) "The Act" means the Preferential Procurement Policy Framework Act, 2000 (Act No. 5 of 2000).

3. FORMULAE FOR PROCUREMENT OF GOODS AND SERVICES

3.1. POINTS AWARDED FOR PRICE

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

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

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

Where

Ps = Points scored for price of tender under consideration

Pt = Price of tender under consideration

Pmin = Price of lowest acceptable tender

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

3.2.1. POINTS AWARDED FOR PRICE

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

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

Where

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

4. POINTS AWARDED FOR SPECIFIC GOALS

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

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will apply and that the lowest acceptable tender will be used to determine the applicable preference point system,

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

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

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

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

The specific goals allocated points in terms of this tender	Number of points allocated (80/20 system) (To be completed by the organ of state)	Number of points claimed (80/20 system) (To be completed by the tenderer)	Proof of documents as per spec
Business owned by 51% or more – Black Youth	80		•Valid BBBEE Certificate issued by SANAS accredited verification agency or Affidavit sworn under oath.

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- (b) recover costs, losses or damages it has incurred or suffered as a result of that person's conduct.
(c) cancel the contract and claim any damages which it has suffered as a result of having to make less favourable arrangements due to such cancellation.
(d) recommend that the tenderer or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, be restricted from obtaining business from any organ of state for a period not exceeding 10 years, after the audi alteram partem (hear the other side) rule has been applied; and
(e) forward the matter for criminal prosecution, if deemed necessary.

Signature box containing fields for SIGNATURE(S) OF TENDERER(S), SURNAME AND NAME, DATE, and ADDRESS.

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MBD 8

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.**

Directors:

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Mr Kgaugelo Mahlaba (Chief Financial Officer and Executive Director), Mr Siphon Mthembu, Ms Zandile Meeleso, Mr Pholoso Matjele,
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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>The Database of Restricted Suppliers now resides on the National Treasury's website(www.treasury.gov.za) and can be accessed by clicking on its link at the bottom of the home page.</p>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
4.1.1	If so, furnish particulars:		
4.2	<p>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)?</p> <p>The Register for Tender Defaulters can be accessed on the National Treasury's website (www.treasury.gov.za) by clicking on its link at the bottom of the home page.</p>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
4.2.1	If so, furnish particulars:		
4.3	<p>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?</p>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
4.3.1	If so, furnish particulars:		

Directors:

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Table with 4 rows and 4 columns. Row 1: Question 4.4 about municipal rates and taxes, with Yes/No checkboxes. Row 2: Sub-question 4.4.1 for particulars. Row 3: Question 4.5 about contract termination, with Yes/No checkboxes. Row 4: Sub-question 4.7.1 for 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

Directors:
Ms Dineo Majavu (Chairperson), Mr Ntshavheni Mukwevho (Managing Director and Executive Director),
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MBD 9

CERTIFICATE OF INDEPENDENT BID DETERMINATION

- 1 This Municipal Bidding Document (MBD) must form part of all bids¹ invited.
- 2 Section 4 (1) (b) (iii) of the Competition Act No. 89 of 1998, as amended, prohibits an agreement between, or concerted practice by, firms, or a decision by an association of firms, if it is between parties in a horizontal relationship and if it involves collusive bidding (or bid rigging).² Collusive bidding is a *pe se* prohibition meaning that it cannot be justified under any grounds.
- 3 Municipal Supply Regulation 38 (1) prescribes that a supply chain management policy must provide measures for the combating of abuse of the supply chain management system, and must enable the accounting officer, among others, to:
 - a. take all reasonable steps to prevent such abuse;
 - b. reject the bid of any bidder if that bidder or any of its directors has abused the supply chain management system of the municipality or municipal entity or has committed any improper conduct in relation to such system; and
 - c. cancel a contract awarded to a person if the person committed any corrupt or fraudulent act during the bidding process or the execution of the contract.
- 4 This MBD serves as a certificate of declaration that would be used by institutions to ensure that, when bids are considered, reasonable steps are taken to prevent any form of bid-rigging.
- 5 In order to give effect to the above, the attached Certificate of Bid Determination (MBD 9) must be completed and submitted with the bid:

¹ Includes price quotations, advertised competitive bids, limited bids and proposals.

² Bid rigging (or collusive bidding) occurs when businesses, that would otherwise be expected to compete, secretly conspire to raise prices or lower the quality of goods and / or services for purchasers who wish to acquire goods and / or services through a bidding process. Bid rigging is, therefore, an agreement between competitors not to compete.

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MBD 9

CERTIFICATE OF INDEPENDENT BID DETERMINATION

I, the undersigned, in submitting the accompanying bid:

(Bid Number and Description)

in response to the invitation for the bid made by:

(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

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MBD 9

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 consortium³ 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.

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

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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

Directors:

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Document title :	Minimum SHE Requirements for Construction Related RFQ projects		
Revision	00	Author:	OHS: Projects
Effective Date	January 2017	Pages:	01

1. SCOPE OF WORK

Replacement of wash water pipes at Driefontein WWTW.

2. PURPOSE

The aim of the SHE specification is to ensure that any contractor which is appointed by Johannesburg Water to conduct any work complies with the SHE requirements of the SHE specification and any other legislative requirement applicable to the contract scope.

3. APPLICABILITY

This document is applicable to all contractors and suppliers conducting contractual activities for and on behalf of Johannesburg Water.

4. APPOINTMENTS

The contractor and its appointed sub-contractor must make the relevant legislative and non-statutory appointments, which must be maintained valid for the entire contract duration.

All appointees shall be suitably trained and found to be competent for the responsibilities there are assigned for.

Copies of all relevant appointments and the relevant competence certificates must be kept in the relevant SHE file.

Appoint:

1. Hand tool Inspector
2. Portable electrical tool Inspector
3. Risk Assessor
4. Ladder Inspector
5. Excavation Supervisor
6. Plant Operator
7. Construction Supervisor (Plumber)
8. Confined space Supervisor
9. Incident Investigator
10. First Aider
11. HCS Coordinator

5. INSURANCE

The contractor and all its appointed sub-contractor(s) shall be registered with an appropriate compensation commissioner and have a valid letter of good standing from commissioner. The



Document title :	Minimum SHE Requirements for Construction Related RFQ projects		
Revision	00	Author:	OHS: Projects
Effective Date	January 2017	Pages:	01

contractor is responsible for ensuring the Letter of Good Standing is valid for the entire duration of the project/contract. A copy of the letter of Good Standing must be kept in the SHE file.

6. COSTING FOR SHE REQUIREMENTS

The contractor is responsible for ensuring that SHE costing is taken into consideration for the entire project/contract as this will ensure they comply with the SHE legislative requirements

7. INDUCTION

An initial induction shall be done with key personnel to familiarize them with the requirements on site and for compiling the SHE file.

Once labourers are appointed JW will conduct an induction on SHE requirements, and the contractor is also required to conduct their company specific induction

8. SUBMISSION OF SAFETY FILE

- Once appointed the contractor can submit their safety file for approval.
- Approval will be granted when the critical items have been sufficiently addressed.

9. RISK ASSESSMENT

- Every Contractor who has been appointed contractually to conduct work for Johannesburg water shall do compile a baseline risk assessment prior to starting with work, subject to the approval of the Client.
- Thereafter the task-based risk assessments will be done daily with every task being done.

10. SAFE WORKING PROCEDURES / METHOD STATEMENTS

The following method statements / safe working procedures must be compiled:

- Incident investigation, emergency plan, waste management plan, PPE procedure, hand tool procedure, hazardous chemical substance procedure.
- Method statement for the entire works.



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11. HAZARDOUS CHEMICAL SUBSTANCES (HCS)

Control of exposure to hazardous chemical agents

- An employer must ensure that the exposure of an employee is either prevented or, where this is not reasonably practicable, adequately controlled: Provided that—

(a) where there is exposure for which there is a restricted limit, the control of the exposure must be regarded as adequate if the level of exposure is below that limit or if the relevant area is zoned and the level of exposure is reduced to below that restricted limit by means of adequate personal protective equipment only after the level has been reduced to as low as is reasonably practicable by any other means than personal protective equipment; or

(b) where there is exposure for which there is a maximum limit, the control of the exposure must be regarded as adequate if the exposure is at a level as low as is reasonably practicable below that maximum limit: Provided that in the case of temporary excursions above the control limit, the employer must ensure—

- (i) that the excursion is without a significant risk from exposure;
- (ii) that the excursion is not indicative of a failure to maintain adequate control;
- (iii) that during the excursion, the area is temporarily demarcated and prescribed and identified as respirator zone; and
- (iv) that the provisions for personal protective equipment and facilities are complied with.

- Where reasonably practicable, the employer must control the exposure of an employee by
 - (a) limiting the amount of an HCA used, which may contaminate the working environment;
 - (b) limiting the number of employees who will be exposed or may be exposed;
 - (c) limiting the period during which an employee will be exposed or may be exposed;
 - (d) using a substitute for an HCA;
 - (e) introducing engineering control measures for the control of exposure, which may include:
 - (i) process separation, automation or enclosure;
 - (ii) the installation of local extraction ventilation systems to processes, equipment and tools for the control of emissions of an airborne HCA;
 - (iii) use of wet methods; and
 - (iv) separate workplaces for different processes; and



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(f) introducing appropriate work procedures which an employee must follow where materials are used or processes are carried out which could give rise to exposure of an employee, and which procedures must include written instructions to ensure:

- (i) that an HCA is safely handled, used and disposed of;
- (ii) that process machinery, installations, equipment, tools and local extraction and general ventilation systems are safely used and maintained;
- (iii) that machinery and work areas are kept clean; and
- (iv) that early corrective action may be readily identified.

12. HAND TOOLS

Hand tools include anything from axes to wrenches. The greatest hazards posed by hand tools result from misuse and improper maintenance.

Some examples include the following:

- If a chisel is used as a screwdriver, the tip of the chisel may break and fly off, hitting the user or other employees.
- If a wooden handle on a tool, such as a hammer or an axe, is loose, splintered, or cracked, the head of the tool may fly off and strike the user or other employees.
- If the jaws of a wrench are sprung, the wrench might slip.
- If impact tools such as chisels, wedges, or drift pins have mushroomed heads, the heads might shatter on impact, sending sharp fragments flying toward the user or other employees. The employer is responsible for the safe condition of tools and equipment used by employees. Employers shall not issue or permit the use of unsafe hand tools. Employees should be trained in the proper use and handling of tools and equipment.
- Wrenches must not be used when jaws are sprung to the point that slippage occurs. Impact tools such as drift pins, wedges, and chisels must be kept free of mushroomed heads. The wooden handles of tools must not be splintered.
- Iron or steel hand tools may produce sparks that can be an ignition source around flammable substance. Where this hazard exists, spark-resistant tools made of non-ferrous materials should be used where flammable gases, highly volatile liquids, and other explosive substances are stored or used.



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13. PORTABLE ELECTRICAL TOOLS

Power tools must be fitted with guards and safety switches; they are extremely hazardous when used improperly. The types of power tools are determined by their power source: electric, pneumatic, liquid fuel, hydraulic, and po wider-actuated.

To prevent hazards associated with the use of power tools, workers should observe the following general precautions:

- Never carry a tool by the cord or hose.
- Never yank the cord or the hose to disconnect it from the receptacle.
- Keep cords and hoses away from heat, oil, and sharp edges.
- Disconnect tools when not using them, before servicing and cleaning them, and when changing accessories such as blades, bits, and cutters.
- Keep all people not involved with the work at a safe distance from the work area.
- Secure work with clamps or a vise, freeing both hands to operate the tool.
- Avoid accidental starting. Do not hold fingers on the switch button while carrying a plugged-in tool.
- Maintain tools with care; keep them sharp and clean for best performance.
- Follow instructions in the user's manual for lubricating and changing accessories.
- Be sure to keep good footing and maintain good balance when operating power tools.
- Wear proper apparel for the task. Loose clothing, ties, or jewelry can become caught in moving parts.
- Remove all damaged portable electric tools from use and tag them: "Do Not Use."

14. WORKING AT HEIGHTS (The use of a ladder)

- A competent person must compile a fall protection plan for all tasks which will be done at elevated position.
- The requirements as per the Construction regulations for working at heights shall be complied with by the contractor at all times.
- The fall protection plan shall be specific to the work that will be conducted at elevated position and proper provision must be made for rescue of employees at heights.
- Fall protection plan must include fall risk assessment detailing proper controls to be implemented.
- All employees who their duties entail working at heights must be declared medically fit by an Occupational Health Practitioner for working at heights.
- Employees who will be working at heights must be trained by a competent service provider for working at heights and must be trained on use of fall prevention/arrest devices to be used at heights.



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- Employees working at height must be trained on the latest approved fall protection plan before work commences at height.
- Appoint a trained First Aider to resuscitate employees in case they overcome by gases.
- any employee or person entering the confined space is using a safety harness or other similar equipment, to which a rope is securely attached which reaches beyond the access to the confined space, and the free end of which is attended to by a person standing outside the confined space.

16. EXCAVATION

Supervision by a Competent Person

Under Construction Regulation 13(1), all excavation work must be supervised by a competent person who has been appointed in writing. This supervisor is responsible for overseeing the entire excavation process to ensure safety standards are met and risks are managed appropriately. Their expertise helps mitigate hazards and ensures that safety protocols are followed.

Evaluating Ground Stability

Before any excavation begins, Construction Regulation 13(1)(b) requires contractors to assess the stability of the ground. Evaluating the ground's composition and load-bearing capacity helps prevent unexpected collapses, safeguarding workers from potential entrapment and injury.

Preventing Material Dislodgement and Collapse

Construction Regulation 13(2)(a) mandates that contractors must take all reasonable precautions to prevent the fall or dislodgement of material within the excavation. Measures might include barriers, bracing, and properly graded walls to protect workers from being buried or trapped by shifting earth or debris.

Shoring and Bracing Requirements

To prevent excavation walls from collapsing, Construction Regulation 13(2)(b) states that no worker should be allowed to work in an unbraced excavation. When shoring or bracing is needed, contractors are responsible for ensuring these supports are properly designed and installed to withstand the loads they will face. In cases where the excavation sides are stable enough (either through sloping or in naturally stable material), shoring may not be necessary, provided that a competent person has evaluated the site and documented their approval in writing.



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Avoiding Excessive Loading Near Excavation Edges

The regulation specifies under Construction Regulation 13(2)(d) that no heavy loads, equipment, or materials should be placed close to the edge of an excavation if doing so could cause a collapse. Precautions like moving materials away from edges or reinforcing the excavation walls can help avoid destabilizing the ground.

Ensuring Stability of Adjacent Structures

Construction Regulation 13(2)(e) addresses scenarios where nearby buildings, structures, or roads could be affected by excavation. Contractors must take necessary steps to ensure these surrounding structures remain stable and safe throughout the excavation process.

Safe Access to Excavations

To protect workers in and around excavation sites, ensure that safe access points be provided for any worker in an excavation. Access points must be no more than six meters from any worker's position, ensuring that all personnel have quick escape routes in case of emergency.

Identifying and Managing Utility Services

Before starting any excavation work, Construction Regulation 13(2)(g) requires contractors to locate all existing utilities (such as electricity, gas, water lines) that could be affected. Precautions must be taken to prevent accidental damage to these services, reducing risks to both workers and the public.

Mandatory Inspections and Record-Keeping

Construction Regulation 13(2)(h) mandates daily inspections, as well as additional inspections after events like blasting, ground shifts, support damage, or heavy rainfall. A competent person must conduct these checks to confirm the excavation is safe for continued work, and all findings must be recorded in a register available for review by relevant parties.

Protecting the Public and Roadways

Barriers or fencing should be placed around the excavation. These protective measures should stand at least one meter high and, in cases of poor visibility, be illuminated or clearly marked to prevent accidents.



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Confined Space Precautions

For excavations that qualify as confined spaces, Construction Regulation 13(2)(j) states that all requirements under the General Safety Regulations (2003) must be observed. These confined space precautions reduce risks associated with limited ventilation, visibility, and restricted movement.

Handling Explosives Safely

In cases where excavation involves the use of explosives, Construction Regulation 13(2)(k) requires that a competent individual be appointed to oversee their use. This person must also develop a method statement, ensuring the proper handling and detonation procedures in line with applicable explosives legislation.

Warning Signs and Indicators

For any excavation where personnel are actively working, Construction Regulation 13(2)(l) mandates the placement of warning signs around the site. These signs serve as visual indicators to keep workers and other personnel alert to the risks around the excavation area.

15. BACKFILLING

- It is the responsibility of the services Provider to ensure that the bedding of the services is of adequate quality to prevent undue settlement, displacement and damage during backfilling.
- The area around and directly above the services will first need to be backfilled with sand to the underside of the controlled pavement layers. This material must be well compacted around and above the services to ensure that there are no voids that may cause settlement of the back-fill materials. No mechanical vibratory compaction equipment should be used less than 400mm vertically above the crown of service ducts or pipes. In this zone, manual means of compaction should be used.
- Care should also be taken to ensure that no damage is caused to the service installation. Backfilling above the backfill material immediately surrounding the service ducts should be brought up in layers not exceeding 150 mm in depth with each layer compacted to the specified density using appropriate compaction equipment.

16. COMPACTION

- Before compaction, make sure the dirt is ready to be compacted. You do not want soil that is “too wet” or “too dry” before compaction. To test this, grab a handful of dirt and squeeze it in your hand.



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It should not break apart. If it is in one piece after you squeeze the dirt in your hand, then the soil is ready for compaction.

17. MEDICAL SCREENING REQUIREMENTS

- The contractor shall ensure that a medical surveillance programme is implemented for all employees.
- The medical examination shall be conducted in line with the employee job profile/job description.
- A valid medical fitness certificate must be submitted together with the SHE File for approval for all employees who will be doing work for Johannesburg Water.
- Any employee(s) who are declared conditionally fit must be provided with employment which does not aggravate their medical condition as to endanger themselves or other employees.
- The following tests shall be done:
 - Audiograms.
 - A cardio-respiratory examination
 - Lung function tests.
 - Eye/ sight tests.
 - A general physical examination.
 - A review of previous medical history.
 - Blood pressure tests
 - Glucose tests
 - Vaccinations (Hepatitis A & Typhoid).

18. TOOLBOX TALKS

- The contractor shall ensure they conduct toolbox talks with their employees on a weekly basis and records of these must be kept in the SHE file.
- The objective of toolbox talks should be to communicate relevant site information to assist in improvement of occupational health and safety performance.
- Employees must acknowledge receipt of toolbox talks and this record must also be kept in the SHE file.

14. PERSONAL PROTECTIVE EQUIPMENT (PPE)

- Contractor must issue their employees SABS approved PPE. A copy of the PPE issue register signed by the employee issued with the PPE must be kept in the SHE file.



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- Contractor Supervisor are required to conduct continuous inspections of the PPE issued to their employees to ensure that they are still in good condition to be used by the employee or they still comply with manufacture requirements.
- The contractor is responsible for ensuring that employees are trained on the safe use of the PPE issued to them, how to maintain it and the limitations of the PPE.
- NO SHORTS OR DRESSES WILL BE ALLOWED ON SITE

15. WORKPLACE SIGNAGE

- Appropriate symbolic signage must be displayed where it is required by legislation.
- Appropriate warning, mandatory and information signs must be placed where required.
- All signs must comply to SANS/SABS requirements.
- Contractors shall use mandatory and prescribed symbolic safety signs at their lay down and site areas.

16. INCIDENT REPORTING AND INVESTIGATION

- All incidents shall be reported to the Client before the end of the shift or within 24hrs of occurrence.
- Section 24 incidents shall be reported to DOL using the prescribed format.
- The contractor shall develop an incident management procedure and communicate with all employees.

17. NOTIFICATION OF CONSTRUCTION WORK

- The contractor shall notify the DOL in the prescribed format of the intended work prior to work.

18. COMPLIANCE MONITORING

- Weekly inspections and monthly audits will be conducted on site.

19. PROJECT COMPLETION

- Upon completion of the project the SHE file shall be returned to the Client for retention and close out.



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Project details						
Project Scope: Replacement of wash water pipes.						
Depot / Site / Department: Driefontein WWTW.						
Estimated duration: TBC						
Documents required						
Letter of Good Standing	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	N/A	<input type="checkbox"/>
SHE plan	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	N/A	<input type="checkbox"/>
Risk Assessment	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	N/A	<input type="checkbox"/>
Safe working Procedures	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	N/A	<input type="checkbox"/>
Notification of Construction work	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>	N/A	<input type="checkbox"/>
Inspection registers	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	N/A	<input type="checkbox"/>
Items required before starting						
Medicals	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	N/A	<input type="checkbox"/>
Vaccinations	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	N/A	<input type="checkbox"/>
PPE (boots, hard hats, overall)	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	N/A	<input type="checkbox"/>
Induction	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	N/A	<input type="checkbox"/>
Approval from OHS	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	N/A	<input type="checkbox"/>
APPOINTMENTS AND COMPETENCIES						
<u>Construction Supervisor</u>						
Appointment	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	N/A	<input type="checkbox"/>
CV (and/ certificates) <i>(Plumber)</i>	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	N/A	<input type="checkbox"/>
<u>Safety Officer</u>						
Appointment	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>	N/A	<input type="checkbox"/>
CV (and/ certificates)	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>	N/A	<input type="checkbox"/>
NB* Other appointments will be based on the number of employees on site as required by law.						



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RETURNABLE ANNEXURE A: ACKNOWLEDGEMENT OF SHE SPECIFICATION & ANNEXURES

CONTRACTOR:	
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I, the undersigned, hereby acknowledge that I have obtained copies of the following listed documentation and confirm that I fully understand the contents thereof and the consequences of non-compliance. The Contractor furthermore reiterates its commitment to compliance of the requirements contained within the following provided documentation:

- Johannesburg Water SOC Ltd, Safety, Health & Environmental (SHE) Specification, Annexure 1: Baseline risk assessment conducted for or on behalf of Johannesburg Water SOC Ltd;

Signed at on this Day of 20.....

CONTRACT MANAGER			
NAME	DESIGNATION	DATE	SIGNATURE
CONTRACT SUPERVISOR			
NAME	DESIGNATION	DATE	SIGNATURE
WITNESS (1)			
NAME	DESIGNATION	DATE	SIGNATURE
WITNESS (2)			
NAME	DESIGNATION	DATE	SIGNATURE



HEALTH, SAFETY & ENVIRONMENTAL (SHE) SPECIFICATION: BASELINE RISK ASSESSMENT

PROJECT NUMBER:	RFQ
PROJECT LOCATION:	Driefontein WWTW
PROJECT DESCR:	Replacement of wash water pipes

POSSIBLE RISKS FOR THIS PROJECT

Task	Hazard	Risk	Consequences	Rating	Controls
OHS compliance legal	<ul style="list-style-type: none"> ✓ Not having a safety file ✓ Compliance to OHS act ✓ Safety officer not available on site. ✓ Not appointing competent employees 	<ul style="list-style-type: none"> ✓ Non-compliance to OHS requirements 	<ul style="list-style-type: none"> ✓ The project will be stopped. 	High	<ul style="list-style-type: none"> ✓ Compile safety file according to the SHE specification that JW will provide to the Service Provider. ✓ The Safety Officer should always be on site. ✓ Comply to OHS legal requirements of this project. ✓ Train employees/ appoint competent employees
Transportation of material to site	<ul style="list-style-type: none"> ✓ Unsafe road conditions ✓ Un-road worthy vehicles ✓ Equipment and material not safely secured ✓ Incompetent drivers ✓ Driving under the influence of alcohol ✓ Inclement weather ✓ Speeding 	<ul style="list-style-type: none"> ✓ Unsafe driving conditions ✓ Accident 	<ul style="list-style-type: none"> ✓ Personal injuries ✓ Property damage ✓ Third party liability 	Moderate	<ul style="list-style-type: none"> ✓ Adherence to the speed limit ✓ Only competent/ authorised drivers should operate the vehicle ✓ Inspection of vehicles ✓ Equipment and material to be properly secured ✓ Alcohol testing to be done

Access control / entry and exit	<ul style="list-style-type: none"> ✓ Unauthorised entry to the site 	<ul style="list-style-type: none"> ✓ Theft of tools and material ✓ Violence and disorderly conduct 	<ul style="list-style-type: none"> ✓ Injuries to employees ✓ Property damage 	High	<ul style="list-style-type: none"> ✓ Appoint a full time, registered security guard on site.
Clearing of vegetation	<ul style="list-style-type: none"> ✓ The use of hand tools ✓ Dust generation ✓ Working in awkward ✓ Uneven ground surface 	<ul style="list-style-type: none"> ✓ Incorrect use of tools ✓ Using damaged tools ✓ Inhalation of dust ✓ Skin contact ✓ Poor ergonomics ✓ Slip, trip & fall ✓ Sun exposure ✓ Exposure to heat ✓ Flying objects 	<ul style="list-style-type: none"> ✓ Injuries ✓ Lung irritation ✓ Back pains ✓ Dehydration ✓ Sunburn ✓ Eye injuries 	Moderate	<ul style="list-style-type: none"> ✓ Develop a procedure for hand tool. ✓ Inspect tools. ✓ Provide employee with job specific PPE. ✓ Encourage employees to drink water. ✓ Encourage employees to wear sunscreen
Excavation work	<ul style="list-style-type: none"> ✓ Manual excavation 	<ul style="list-style-type: none"> ✓ Employees standing too close to machinery 	<ul style="list-style-type: none"> ✓ Bumping / hitting employee with bucket of machine causing serious injury 	Moderate	<ul style="list-style-type: none"> ✓ Supervisor shall ensure the physical fitness of the employees on every job start day. ✓ Ensure proper access and egress should be clear. ✓ Ensure the ground stability in good condition ✓ Excavated material should be placed 1 m away from edge of the trench. ✓ Provide proper slop to all excavation to avoid trench collapsing. ✓ Work rest cycle shall be followed to prevent heat stress illness.
		<ul style="list-style-type: none"> ✓ Interaction with Underground facilities /services 	<ul style="list-style-type: none"> ✓ Personal injuries ✓ Property damage 	High	<ul style="list-style-type: none"> ✓ Refer as built drawings. ✓ Instruction from local authorities. ✓ Cable / metal detectors shall be provided.

					<ul style="list-style-type: none"> ✓ Make trail pit to avoid the interaction of the underground utilities. ✓ Any damaged existing utilities shall be immediately reported to concern authority. ✓ Competent and effective supervision.
		<ul style="list-style-type: none"> ✓ Open trench 	<ul style="list-style-type: none"> ✓ Personal injuries ✓ Property damage 	Extreme	<ul style="list-style-type: none"> ✓ Appropriate barricading and warning sign boards shall be provided. ✓ Toolbox talk /in house training to be conducted prior to start work ✓ All identified underground facilities/ services shall be protected from project operations.
		<ul style="list-style-type: none"> ✓ Water flooding 	<ul style="list-style-type: none"> ✓ Fatality/ drowning 	Extreme	<ul style="list-style-type: none"> ✓ Dewatering systems to be used.
	<ul style="list-style-type: none"> ✓ Mechanical excavation 	<ul style="list-style-type: none"> ✓ Incompetent / unfit operator ✓ Damage of Underground utilities ✓ Unprotected /open trench ✓ Poor access or egress ✓ Dust pollution ✓ Noise ✓ Vibration 	<ul style="list-style-type: none"> ✓ Accident causing fatality 	High	<ul style="list-style-type: none"> ✓ Cable/ metal detectors shall be provided. ✓ Make trail pit prior to mechanical excavation to avoid the interaction of the underground utilities. ✓ Appropriate shoring /sloping methods shall be adopted ✓ Barricade the area around proposed excavation and post adequate warning signs, flickering light for night traffic.

					<ul style="list-style-type: none"> ✓ Excavated soil should be placed 1.5 m away from edge of the excavation ✓ Use Proper PPEs as required by the activity. ✓ Unauthorized entry shall be restricted and vehicle/equipment movement shall be controlled by flagmen at strategic points. ✓ Ensure proper access or egress. ✓ Spray water to reduce dust generation due to vehicle movement & or excavated soil handling (shifting). ✓ Work shall be monitored by competent supervision. ✓ Daily inspection of tools & equipments to ensure they are in good condition. ✓ Excavation materials shall be stock piled at a designated area with proper barricades. ✓ Take regular breaks and job rotation.
		<ul style="list-style-type: none"> ✓ Underground /services 	<ul style="list-style-type: none"> ✓ Financial Loss 	High	<ul style="list-style-type: none"> ✓ Identify underground services. ✓ Location of underground services to be communicated to all relevant personnel. ✓ Excavation work to take place only as per

					approved permit / instruction.
		<ul style="list-style-type: none"> ✓ Operating next to excavation edge / placing excavated material next to excavation 	<ul style="list-style-type: none"> ✓ Collapse of trench / excavation (sides caving in) - fatality 	Extreme	<ul style="list-style-type: none"> ✓ Ground stability to be tested in case of deep excavations. ✓ Excavated material to be placed away from excavation edge. ✓ Operator to be competent.
	<ul style="list-style-type: none"> ✓ Backfilling 	<ul style="list-style-type: none"> ✓ Employees standing too close to machinery. 	<ul style="list-style-type: none"> ✓ Bumping / hitting employee with bucket of machine causing serious injury. 	Moderate	<ul style="list-style-type: none"> ✓ Employees to stand clear of machinery in operation.
The use of portable electrical tools	<ul style="list-style-type: none"> ✓ Welding machine ✓ Drilling machine ✓ Grinder ✓ Poor housekeeping 	<ul style="list-style-type: none"> ✓ Incorrect use of tools ✓ Exposure to electricity ✓ Damaged cables ✓ Electric wires lying all over the place 	<ul style="list-style-type: none"> ✓ Arc eyes ✓ Cuts ✓ Injuries ✓ Electrocuted 	High	<ul style="list-style-type: none"> ✓ Appoint portable electrical tool inspector ✓ Train employees on the use of tools ✓ Cocoon the welding work area. ✓ Employees must wear gloves, welding apron, welding boots & face shield ✓ Develop a procedure for the use of welding machine, drilling machine and grinder. ✓ Inspect tools ✓ Remove damaged tools from site
The use of hand tools	<ul style="list-style-type: none"> ✓ Improper selection of hand tools. 	<ul style="list-style-type: none"> ✓ Improper use of tools. ✓ Incompetent employees. 	<ul style="list-style-type: none"> ✓ Hand injuries ✓ Pinch point ✓ Ergonomics 	High	<ul style="list-style-type: none"> ✓ Hand tools should be visually inspected for defects, prior to use.

	<ul style="list-style-type: none"> ✓ Damaged and Defective Hand tools. 		<ul style="list-style-type: none"> ✓ Repetitive strain injury 		<ul style="list-style-type: none"> ✓ Never use damaged, blunt or broken tools to avoid injury. ✓ Select right tools for right Job ✓ Ensure no Homemade or makeshift tools to be used at site ✓ Remove from service any tool that shows signs of damage or defect ✓ Ensure Hand tools are Stored in accordance with the manufacturer's instructions. ✓ Ensure hands are not in direct line of fire while working with hand tools ✓ Ensure appropriate PPE at all times.
Chemical storage, usage & handling	<ul style="list-style-type: none"> ✓ Improper storage ✓ Exposure to temperature. ✓ Exposure to toxic fumes, reaction with skin, ingestion ✓ Inhalation of chemical. ✓ Chemical spill (soil contamination) 	<ul style="list-style-type: none"> ✓ Incorrect handling 	<ul style="list-style-type: none"> ✓ Skin irritation 	Moderate	<ul style="list-style-type: none"> ✓ SDS for all chemical shall be made available and strictly adhere with ✓ Only competent person shall be assigned for the task. ✓ Ensure all chemical storage and handling are done as per the instruction mentioned in the SDS. ✓ Storage area must be bounded properly. ✓ Restricted entry for unauthorized personnel. ✓ The storage area must be clean and tidy at all times.
		<ul style="list-style-type: none"> ✓ Exposed to HCS 	<ul style="list-style-type: none"> ✓ Occupational Illness or Disease 	Moderate	
		<ul style="list-style-type: none"> ✓ Not trained to work with HCS 	<ul style="list-style-type: none"> ✓ Occupational Illness or Disease 	Moderate	

					<ul style="list-style-type: none"> ✓ Spill kit shall be made available near the storage. ✓ Toolbox talk shall be conducted and recorded by the concern supervisor or foreman. ✓ Fire extinguisher shall be made available near the chemical storage area. ✓ Appropriate PPE (chemical resistant gloves, respirators, and eye protection as per standard) shall be used. ✓ Follow safe handling procedure ✓ Drip tray must be provided for paint storage area. ✓ Area to be isolated (restricted access) and provide proper signage. ✓ Smoking is not allowed near the paint storage area. ✓ SDS assessment should be available for all substances /material taken to site.
✓ Storage	<ul style="list-style-type: none"> ✓ Incorrect storage of HCS ✓ Incorrect labelling 	<ul style="list-style-type: none"> ✓ Production time loss ✓ Accidental ingestion ✓ burns 		Moderate	<ul style="list-style-type: none"> ✓ Task specific training ✓ Appoint HCS Coordinator ✓ Keep records of SDS ✓ Communicate SDS with employees. ✓ HCS storage inspections ✓ PPE assessment/ evaluation
	✓ Fire hazard	✓ Explosion		High	

					<ul style="list-style-type: none"> ✓ HCA compatibility chat to be available and implemented. ✓ HCA to be stored in accordance with compatibility chart
Stacking & storage	✓ Stacking and storage of material and equipment	✓ Sub-standard stacking and storing practices	✓ Collapsing of stacked / stored material causing serious injuries	Moderate	<ul style="list-style-type: none"> ✓ Stacking and storage supervisor to be appointed in writing. ✓ Monthly inspections to be conducted on stacking and storing on site
		✓ Exposed electrical wiring.	✓ Electrocutation	High	<ul style="list-style-type: none"> ✓ Monthly inspections to be conducted on electrical arc welding machine and deviations to be recorded and reported.
			✓ Fire	High	<ul style="list-style-type: none"> ✓ Antistatic PPE
		✓ Faulty cables	✓ Electrocutation	High	<ul style="list-style-type: none"> ✓ Electrical source to be isolated. ✓ Competent and registered electrician to conduct the electrical installation work. ✓ Medical assessments report to be available.
			✓ Short circuit	High	<ul style="list-style-type: none"> ✓ Antistatic PPE
			✓ Fire Risk	High	<ul style="list-style-type: none"> ✓ Competent and registered electrician to conduct the electrical installation work. ✓ Fire equipment to be readily available

Checking for water leaks and associated quality checks.	<ul style="list-style-type: none"> ✓ Visual checks ✓ The use of x-rays to check for cracks ✓ Poor ergonomics 	<ul style="list-style-type: none"> ✓ Exposure to infrared rays ✓ Bending, kneeling, walking, working in uncomfortable/awkward position and standing for hours 	<ul style="list-style-type: none"> ✓ Eye strains ✓ Personal injuries 	High	<ul style="list-style-type: none"> ✓ Barricade and cordon off the work area. ✓ Inform employee should X-ray be used. ✓ Wear job specific PPE. ✓ Employee should get regular rests.
Installation of Pipes	<ul style="list-style-type: none"> ✓ Working in confined space ✓ Misuse of equipment ✓ Faulty equipment 	<ul style="list-style-type: none"> ✓ Unsafe equipments ✓ Exposure to toxic gases 	<ul style="list-style-type: none"> ✓ Personal injuries ✓ Damage to property 	Moderate	<ul style="list-style-type: none"> ✓ Occupational medicals to be of personnel to be available ✓ Communicate safe working procedures ✓ Task specific training ✓ Correct equipment to be used for specific tasks ✓ Full time supervision of employees ✓ Adherence to safe working procedures ✓ Wear task specific PPE ✓ Equipment to be inspected on a monthly basis and deviations to be recorded and reported ✓ Report unsafe equipments
✓ Plumbing	<ul style="list-style-type: none"> ✓ Contact with unhygienic environment ✓ Exposure to dust ✓ The use of hand tools ✓ 	<ul style="list-style-type: none"> ✓ Employees falling from heights causing serious injuries of fatality 	<ul style="list-style-type: none"> ✓ Employees falling from heights causing serious injuries of fatality 	Extreme	<ul style="list-style-type: none"> ✓ Employees conducting plumbing work at heights to follow the correct procedures.
		<ul style="list-style-type: none"> ✓ Falling objects 	<ul style="list-style-type: none"> ✓ Head injuries 	High	<ul style="list-style-type: none"> ✓ Overhead work to be barricaded. ✓ Signage to be displayed.

					<ul style="list-style-type: none"> ✓ Head protection to be worn by employees where falling objects poses a hazard
		<ul style="list-style-type: none"> ✓ Manual handling of material 	<ul style="list-style-type: none"> ✓ Injuries 	Moderate	<ul style="list-style-type: none"> ✓ Task specific training to be provided to employees. ✓ Ergonomical risks to be taken into account.
		<ul style="list-style-type: none"> ✓ Unblocking drain pipes ✓ Wet environment ✓ Exposure to dirt ✓ Improper tools ✓ Improper PPE inspection/selection ✓ Improper Donning ✓ Slip, trip and fall ✓ Poor ergonomics ✓ Wet floors 	<ul style="list-style-type: none"> ✓ Skin irritation ✓ Back pains ✓ Hand injuries 	Moderate	<ul style="list-style-type: none"> ✓ Ensure all employees are wearing the correct PPE. ✓ Ensure employees adhere to the SOP for hand tools.
		<ul style="list-style-type: none"> ✓ Using unsafe hand tools 	<ul style="list-style-type: none"> ✓ Injuries 	Moderate	<ul style="list-style-type: none"> ✓ Hand tools and equipment to be inspected on a monthly basis and deviations to be recorded and reported.
		<ul style="list-style-type: none"> ✓ Substandard housekeeping 	<ul style="list-style-type: none"> ✓ Injuries 	Low	<ul style="list-style-type: none"> ✓ High standards of housekeeping to be maintained on site. ✓ Stacking and storage inspections to be conducted on a regular (monthly) basis
		<ul style="list-style-type: none"> ✓ Exposure to open flames 	<ul style="list-style-type: none"> ✓ Fires / burns 	High	<ul style="list-style-type: none"> ✓ Task specific training to be provided.

					<ul style="list-style-type: none"> ✓ Competent plumber to supervise work. ✓ Firefighting equipment to be readily available with trained personnel
Fire precaution	<ul style="list-style-type: none"> ✓ Open fire and lit cigarettes 	<ul style="list-style-type: none"> ✓ Fires 	<ul style="list-style-type: none"> ✓ Property damage and burn people 	High	<ul style="list-style-type: none"> ✓ Required amount of fire extinguishers must be available on site ✓ All fire equipments must be serviced ✓ Train and appoint fire marshal
Housekeeping	<ul style="list-style-type: none"> ✓ Poor housekeeping 	<ul style="list-style-type: none"> ✓ Trip and fall 	<ul style="list-style-type: none"> ✓ Injuries 	Low	<ul style="list-style-type: none"> ✓ Clean the site at the end of each day. ✓ Provide a laydown area. ✓ Dispose redundant & waste material at an approved landfill site.

RISK ASSESSMENT MATRIX

Likelihood	Consequences				
	Insignificant (minor problem easily handled by normal day to day processes)	Minor (Some disruption possible e.g., Damage equal to R150k)	Moderate (significant time / resources required. E.g., damage equal to R500k)	Major (Operations severely damaged. E.g., damages equal to R1m)	Catastrophic (business survival is at risk. Damage equal to R5m – 10m)
Almost certain (90% chance)	High	High	Extreme	Extreme	Extreme
Likely (between 50-90%)	Moderate	High	High	Extreme	Extreme
Moderate (between 10-50%)	Low	Moderate	High	Extreme	Extreme
Unlikely (between 3-10%)	Low	Low	Moderate	High	Extreme
Rare (<3%)	Low	Low	Moderate	High	High