

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

**DESCRIPTION: SUPPLY, DELIVER, INSTALL AND COMMISSIONING OF ENERGY METERING
PANELS AT DRIEFONTEIN WASTEWATER TREATMENT WORKS**

RFQ NUMBER: RFQJW027NS26-27

ADVERT DATE: 13 July 2026

CLOSING DATE: 29 July 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/>)**

**COMPULSORY BRIEFING SESSION - VENUE: DRIEFONTEIN WASTEWATER TREATMENT
WORKS**

DATE: 22 July 2026

TIME: 10.00

NB: All service providers coming to attend site briefing must wear safety shoes and safety reflective jackets

CONTACT PERSON

SUPPLY CHAIN MANAGEMENT

Name: Nompumezo Sobhekwa

Tel No: 011 688 1656

Email: Nompumezo.mramba@jwater.co.za

CONTACT PERSON

END USER DEPARTMENT

Name: Phakamani Dube

Tel No: 011 510 2644

Email: Phakamani.dube@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 Sipho 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

Registration Number: 2000/029271/30

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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RFQ Evaluation Criteria

NO.	MANDATORY CRITERIA	YES/NO
Northern and Driefontein WWTW Medium Voltage Switchgear Modification and Energy Metering Panels		
1.	BOQ completed in full by the bidder	
2.	The bidder submitted proof of valid registration/letter certificate with minimum CIDB grading of 1 EP. The certificate/letter must be submitted together with the RFQ.	
3.	Bidder submitted proof of at least one completed project whereby the scope of work was to supply, deliver, install, test and commission Industrial/commercial 3 phase Energy Meters or Modification of the MV Switchgear (completion certificate or reference letter signed by the client: with working contact details of the client, email and telephone numbers)	
4.	The contractor submitted proof of valid registration as an electrical contractor (Installation Electrician) 3 phase installation (IE)	
5.	Bidder submitted proof of accreditation and certification to work on Actom SBV4 Medium Voltage Switchgear	
6.	Bidder submitted valid ORHVS (Authorised person) certificate for MV Operator/Supervisor x1	

Specification:

Technical Specification

Outdoor Bulk Metering Panel

Panel material

- (a) The enclosure shall be manufactured from 2mm thickness, 3CR12 stainless steel with glass outer door (viewing meter reading) and inner door (mounting meters)
- (b) The enclosure shall be rated IP65 to SANS 60529 and shall be fitted with a canopy.
- (c) The enclosure shall be powder coated electric orange (B26)
- (d) Outer doors shall be provided with a high-density neoprene gasket to form a firm seal. The neoprene seal shall be a nominal 5mm thick compressed to 3mm on closing of the door
- (e) At least one of these latches shall be lockable with a padlock
- (f) The enclosure shall be wall mounted type
- (g) cable entry bottom
- (h) The enclosure shall be fitted with 20mm breather

Component per panel material

- (a) Fuse x6 + 2 links
- (b) CT - 4 way test block x2
- (c) Energy meter Apex 200 or equivalent x2 (c/w calibration factory report)
- (d) 2.5-4mm spring loaded screw terminals + earth bar
- (e) panel wires, trunking, din rails, core markers, terminal markers, component markers, Panel label

Note

Driefontein WWTW Incomers - CTs 800/5A x2

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Northern WWTW Incomers - CTs 2000/1A x2

BILL OF MATERIAL

No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	SECTION A: Material Supply and Delivery (Northern WWTW and Driefontein WWTW)				
1	Supply and Deliver Outdoor Bulk Metering Panel	each	2		
2	Supply and deliver 2.5mm ² x 4c Cu swa pvc swa cable	m	100		
3	Supply and deliver 2.5mm ² x 7c Cu swa pvc swa cable	m	100		
4	Supply and deliver Corrosion Guard Ex E Gland for Swa Envirogland Type - size 1	each	8		
5	Supply and deliver 32mm galv conduit	m	8		
6	Supply and deliver galv hospital saddles	each	30		
7	Supply and deliver 6mm fisher plugs	each	30		
8	Supply and deliver 32mm Bosal PVC end cap	each	30		
9	Supply and deliver material for MV Switchgear Modification to include remote metering circuit for four incomers (Actom SBV4 panel type)	sum	1		
	Total Section A				
	SECTION B: Labour and site work (Northern WWTW and Driefontein WWTW)				
10	Decommissioning of existing metering panel and associated cables	each	1		
11	Install and Configure Outdoor Bulk Metering Panel	each	2		
12	Install 2.5mm ² x 4c Cu swa pvc swa cable	m	100		
13	Install 2.5mm ² x 7c Cu swa pvc swa cable	m	100		
14	Install Corrosion Guard Ex E Gland for Swa Envirogland Type - size 1	each	8		
15	Install 32mm galv conduit	m	8		
16	Install galv hospital saddles	each	30		
17	Install 6mm fisher plugs	each	30		
18	Install 32mm Bosal PVC end cap	each	30		
19	Install MV Switchgear Modification to include remote metering circuit for four incomers (Actom SBV4 panel type)	sum	1		
20	MV switching/Operating 11kV Switchgear (Isolation, Restoration and or In-between)	sum	1		
21	Issue GA and Wiring Drawings (PDF and DWG) for MV Actom switchgear incomers and metering panels	sum	1		
22	Quality Control Plan, FAT, Testing and Commissioning	sum	1		
23	Compliance with OHS requirements (safety file)	sum	1		
	Total Section B				
	SUB-TOTAL (A + B)				
	VAT				
	TOTAL				

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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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CONSENT TO PROCESS PERSONAL INFORMATION IN TERMS OF THE PROTECTION OF PERSONAL INFORMATION ACT, NO. 4 OF 2013 (POPIA)

The purpose of the Protection of Personal Information Act, no. 4 of 2013 (POPIA), is to protect personal information of individuals and businesses and to give effect to their right of privacy as provided for in the Constitution. By signing this form, you consent to lawful collection, processing, storage and, where necessary, sharing your personal information by Johannesburg Water SOC Ltd. and consent is effective immediately and will remain effective until such consent is withdrawn in terms of POPIA.

1. I a natural person "herein referred to as the Data Subject" with ID Number.....hereby give my consent to Johannesburg Water SOC Ltd. "herein referred to as the Responsible Party" to collect, process and distribute my personal information where Johannesburg Water SOC Ltd. is legally required to do so.
2. I understand my right to privacy and the right to have my personal information processed in accordance with the conditions for the lawful processing of personal information.
3. I understand the purposes for which my personal information is required and for which it will be used and consent to third parties accessing my personal information and to Johannesburg Water SOC Ltd. sharing my personal information strictly for reporting purposes.
4. I understand that, should I refuse to provide Johannesburg Water SOC Ltd. with the required consent and/or information, Johannesburg Water SOC Ltd. will be unable to assist me.
5. I declare that all my personal information supplied to Johannesburg Water SOC Ltd. is accurate, up to date, not misleading and that it is complete in all respects and that I will notify Johannesburg Water SOC Ltd. of any changes to my Personal Information should any of these details change.
6. I also understand that I have the right to request that my personal information be corrected or deleted, if it is inaccurate, irrelevant, excessive, out of date, incomplete, misleading, or obtained unlawfully or that the personal information or record be destroyed or deleted if the Responsible Party is no longer authorised to retain it.

Signed at this day of20.....

.....
Signature of data subject/designated person

.....
Full Name/Dept of Responsible Party

.....
Signature

.....
Date

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.

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	UOM	UNIT PRICE (P)	TOTAL PRICE (QTY*P)
1	1	Supply, Install, Configure, Test and Commission energy metering panels and MV Switchgear modifications - Energy meter Apex 200 or equivalent (equivalent attach technical datasheet for comparison) - 3ph+n and 3 CT	Sum		
SUB-TOTAL					R
VAT AT 15%					R



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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



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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, shareholder²):
- 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.....
.....

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.....

.....

Directors:

Ms Dineo Majavu (Chairperson), Mr Ntshavheni Mukwevho (Managing Director and Executive Director),
Mr Kgaugelo Mahlaba (Chief Financial Officer and Executive Director), Mr Sipho 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

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Registration Number: 2000/029271/30



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City of Johannesburg

Johannesburg Water SOC Ltd

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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:

.....

Directors:

Ms Dineo Majavu (Chairperson), Mr Ntshavheni Mukwevho (Managing Director and Executive Director),
Mr Kgaugetlo Mahlaba (Chief Financial Officer and Executive Director), Mr Sipho Mthembu, Ms Zandile Meeleso, Mr Pholoso Matjele,
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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

Directors:

Ms Dineo Majavu (Chairperson), Mr Ntshavheni Mukwevho (Managing Director and Executive Director),
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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

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

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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:

$$P_S = 80 \left(1 - \frac{P_t - P_{min}}{P_{min}} \right) \quad \text{or} \quad P_S = 90 \left(1 - \frac{P_t - P_{min}}{P_{min}} \right)$$

Where

Ps = Points scored for price of tender under consideration

Pt = Price of tender under consideration

P_{min} = 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:

$$P_s = 80 \left(1 + \frac{P_t - P_{max}}{P_{max}} \right) \text{ or } P_s = 90 \left(1 + \frac{P_t - P_{max}}{P_{max}} \right)$$

80/20 or 90/10

Where

- P_s = Points scored for price of tender under consideration
 P_t = Price of tender under consideration
 P_{max} = 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
SMME (An EME or QSE) 51% or more black owned by Black People	80		Valid BBBEE Certificate issued by SANAS accredited verification agency or DTI /CIPC BBBEE Certificate for Exempted Micro Enterprises or Qualifying Small Enterprise or Affidavit sworn under oath.

Directors:

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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(S) OF TENDERER(S)	
SURNAME AND NAME:	
DATE:	
ADDRESS:	
	
	
	
	

Directors:

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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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4.1	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? (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). 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.	Yes ☐	No ☐
4.1.1	If so, furnish particulars:		
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)? 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.	Yes ☐	No ☐
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 ☐	No ☐
4.3.1	If so, furnish particulars:		

Directors:

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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 ☐	No ☐
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 ☐	No ☐
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

Directors:

Ms Dineo Majavu (Chairperson), Mr Ntshavheni Mukwevho (Managing Director and Executive Director),
Mr Kgaugetlo Mahlaba (Chief Financial Officer and Executive Director), Mr Sipho Mthembu, Ms Zandile Meeleso, Mr Pholoso Matjele,
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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.

Directors:

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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

Directors:

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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.

Directors:

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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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Registration Number: 2000/029271/30

	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

Northern and Driefontein WWTW On Medium Voltage Switchgear Modification and Energy Metering Panels

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.

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 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.

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

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.

11. WORKING IN ELEVATED POSITIONS

- JW shall not require or permit any person to work in an elevated position, and no person shall work in an elevated position, unless such work is performed safely from a ladder or scaffolding, or from a position where such person has been made as safe as if he were working from scaffolding.

12.WORKING ON A LADDER

- An employer shall ensure that every ladder is constructed of sound material and is suitable for the purpose for which it is used, and is fitted with non-skid devices at the bottom ends and hooks or similar devices at the upper ends or of the stiles which shall ensure the stability of the ladder during normal use; or is so lashed, held or secured whilst being used as to ensure the stability of the ladder under all conditions and at all times.

13. WELDING, FLAME, CUTTING, SOLDERING AND SIMILAR OPERATIONS (If applicable)

- JW shall not require or permit welding or flame cutting operations to be undertaken, unless the contractor operating the equipment has been fully instructed in the safe operation and use of such equipment and in the hazards which may arise from its use and effective protection is provided and used for the eyes and respiratory system and, where necessary, for the face, hands, feet,

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

legs, body and clothing of persons performing such operations, as well as against heat, incandescent or flying particles or dangerous radiation;

- The Contractor must ensure that the workplace is effectively partitioned off where practicable and where not practicable all other persons exposed to the hazards are warned and provided with suitable protective equipment

14. HOUSEKEEPING AND GENERAL SAFEGUARDING ON SITE

- The contractor must ensure that suitable housekeeping is continuously implemented on each construction site, including
- The proper storage of materials and equipment
- The removal of scrap, waste and debris at appropriate intervals; ensuring that materials required for use, are not placed on the site so as to obstruct.
- Means of access to and egress from workplaces and passageways.
- Ensuring that materials which are no longer required for use, do not accumulate on and are removed from the site at appropriate intervals.
- Ensuring that waste and debris are not disposed of from a high place with a chute, unless the chute complies with the requirements ensuring that a catch platform or net is erected above an entrance or passageway or above a place where persons work or pass under, or fencing off the danger area if work is being performed above such entrance, passageway, or place so as to ensure that all persons are kept safe in the case of danger or possibility of persons being struck by falling objects

15. ELECTRICAL CONTRACTOR & RESPONSIBILITIES

- The principal contractor may not do electrical installation work as an electrical contractor unless that contractor has been registered as an electrical contractor in terms of the Regulation.
- The principal contractor who does electrical installation work as an electrical contractor shall register annually in the form of Annexure 3 with the chief inspector or a person appointed by the chief inspector. An application for registration shall be accompanied by a prescribed fee
- An electrical contractor shall be responsible for the safety, safe use and maintenance of the electrical installation he or she uses or leases.

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

16. CERTIFICATE OF COMPLIANCE

- A registered person may issue a certificate of compliance accompanied by the required test report only after having satisfied himself or herself by means of an inspection and test that a new electrical installation complies with the provisions of regulation 5(1) and was carried out under his or her general control; or an electrical installation which existed prior to the publication of the current edition of the health and safety standard incorporated into these Regulations in terms of regulation 5(1), complies with the general safety principles of such standard; or the existing part of the electrical installation complies with the general safety principles of such standard and is reasonably safe, and the extensions or alterations effected comply with the provisions of regulation 5(1) and were carried out under his or her general control.
- Any person who undertakes to do electrical installation work shall ensure that a valid certificate of compliance is issued for that work and no person may amend a certificate of compliance.

17. WORKING IN A CONFINED SPACE

- An employer/contractor shall take steps to ensure that a confined space is entered by an employee or other person only after the air therein has been tested and evaluated by a person who is competent to pronounce on the safety thereof, and who has certified in writing that the confined space is safe and will remain safe while any person is in the confined space, taking into account the nature and duration of the work to be performed therein.

18. 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)

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

19.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 the receipt of toolbox talks and this record must also be kept in the SHE file.

20 .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.
- 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 SIT

21. 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.

22 .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.

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

23 .NOTIFICATION OF CONSTRUCTION WORK

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

24. COMPLIANCE MONITORING

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

25. PROJECT COMPLETION

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



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

Project details				
Project Scope : Northern and Driefontein WWTW On Medium Voltage Switchgear Modification and Energy Metering Panels Depot / Site / Department: Driefontein & Northernworks WWTW Estimated duration: TBC				
Documents required				
Letter of Good Standing	Yes	☒	No	☐ N/A ☐
SHE plan	Yes	☒	No	☐ N/A ☐
Risk Assessment	Yes	☒	No	☐ N/A ☐
Safe working Procedures	Yes	☒	No	☐ N/A ☐
Notification of Construction work	Yes	☒	No	☐ N/A ☐
Inspection registers	Yes	☒	No	☐ N/A ☐
Items required before starting				
Medicals	Yes	☒	No	☐ N/A ☐
Vaccinations	Yes	☐	No	☒ N/A ☐
PPE (boots, hard hats, overall)	Yes	☒	No	☐ N/A ☐
Induction	Yes	☒	No	☐ N/A ☐
Approval from OHS	Yes	☒	No	☐ N/A ☐
APPOINTMENTS AND COMPETENCIES				
<u>Construction Supervisor</u>				
Appointment	Yes	☒	No	☐ N/A ☐
CV (and/ certificates)	Yes	☒	No	☐ N/A ☐
<u>Safety Officer</u>				
Appointment	Yes	☒	No	☐ N/A ☐
CV (and/ certificates)	Yes	☒	No	☐ N/A ☐
NB* Other appointments will be based on the number of employees on site as required by law.				

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

RETURNABLE ANNEXURE A: ACKNOWLEDGEMENT OF SHE SPECIFICATION & ANNEXURES

CONTRACTOR:

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:	Northern works
PROJECT DESCR:	Northern and Driefontein WWTW On Medium Voltage Switchgear Modification and Energy Metering Panels

POSSIBLE RISKS FOR THIS PROJECT

Task	Hazard	Risk	Consequence	Rating	Controls
Compliance with applicable legislation for safety, health and environment	✓ Contractor processes and/or procedures not developed according to legislation requirements.	✓ Not complying with applicable legislation and client SHE specifications.	✓ Litigation, multiple injuries ✓ Work stoppages	M	✓ Planning, design and implementation to comply with legislative requirements, especially for Health, Safety and Environment together with Quality. ✓ Appointment of a qualified person to assist with the development of legislative guided processes and procedures.
Conducting SHE Induction training	✓ Employees, contractors, suppliers, and visitors not aware of applicable legislating for the project and policies.	✓ Non-compliance to legislation.	✓ Work stoppages ✓ Multiple injuries	M	✓ Every new employee or visitor must be inducted before entering company premises or starting work. ✓ All employees absent from work or on leave for a period of 14days must be inducted. ✓ Inducted visitors must at all times be accompanied when walking around company premises.
Arranging Medical surveillance or examination	✓ Employees not medically fit for work appointed for.	✓ Non-compliance to statutory requirements.	✓ Work stoppages.	L	✓ Medical examination or assessments must be conducted prior to start of work and annually by an

	✓ No proof of medical fitness certificate. ✓ Employees not Vaccinated	✓ Exposure to unidentified contagious diseases carriers.	✓ Incidents resulting to injuries		Occupational Medical Practitioner. ✓ Every person must be declared medically fit for the type of work they performing and copies of employees' medical certificates to be kept on site. ✓ Employees must be vaccinated prior to work on site
Gate access to site premises - by people	✓ Walking on the vehicle's driveways ✓ Lack of observation ✓ Intoxicated pedestrian employee or visitor entering security gate ✓ Employees, visitors or contractors entering with firearm ✓ Unauthorized entry	✓ Personal injuries due to vehicles driving over people. ✓ Personal fight due to arrogant intoxicated people. ✓ Theft due to unauthorized entry.	✓ Personal fight due to arrogant intoxicated people. ✓ Work stoppages resulting in delay to production ✓ Theft due to unauthorized entry.	L	✓ Only Authorised entry on JW premises ✓ Zero alcohol tolerance ✓ All Employees, contractors, suppliers and visitors to walk only on designated walkways in and around site/client premises.
Obtain necessary JW documentation and JW approvals	✓ Working without authorization from JW	✓ JW removing Contractor from site	Delay in production	L	✓ No work is allowed to start without the necessary documentation and approvals in place. ✓ Occupational notices must be available on site kept on site in the Health and Safety File

Working on site	✓ Working during peak hours	✓ Employees and vehicles moving around the vicinity	✓ Serious injuries ✓ Vehicle damages	M	✓ Access to the work area must be restricted/monitored ✓ Designated pedestrian routes must put in place to restrict unauthorized access ✓ Work must be planned for quieter times of the day when reduced/restricted pedestrian access is required to the area ✓ Safe working area must be cordoned off around the area and signage must be used as appropriate ✓ High visibility clothing worn by Site Supervisor if working on traffic route.
Transportation of material	✓ Unsafe road conditions ✓ Un-road worthy vehicles ✓ Equipment and material not safely secured ✓ Incompetent drivers ✓ Driving under the influence of alcohol ✓ Inclement weather ✓ Speeding	✓ Over-turning vehicles ✓ Vehicle collisions	✓ Injuries ✓ Property damages ✓ Third party liability	M	✓ Adherence to the speed limit ✓ Only competent/authorized drivers should operate the vehicle. ✓ Inspection of vehicles ✓ Equipment and material to be properly secured ✓ Alcohol testing to be done ✓ The road to be paved to prevent accidents ✓ Traffic control to be implemented to avoid collisions

	✓ Slippery road				
Offloading of Material	✓ Faulty lifting machinery & equipment ✓ Suspended load ✓ Poor housekeeping	✓ Malfunctioning ✓ Objects falling on employees ✓ Obstructed walkways by materials	✓ Injuries	M	✓ Inspect lifting equipment prior to use. ✓ Ensure the safe working load prior to use ✓ Train the employees in manual lifting ✓ Ensure proper housekeeping ✓ The correct PPE must be worn ✓ Designate the stacking areas and put signs ✓ Stacking and storage inspector must be appointed and in charge
Electrical Installations	✓ Electricity ✓ Incompetent personnel ✓ Wrong tools ✓ Damaged cables	✓ Contact with live electricity ✓ Incompetent person connecting electricity ✓ Electric shocks	✓ Electrocution ✓ Serious injuries	H	✓ Follow lock out procedure ✓ Ensure that equipment are earthed to an approved earthing point ✓ Ensure a zero potential test is performed for electricity is isolated ✓ Inspect all tools ✓ Use correct tools for the job
Entry and exit	✓ No access control	✓ Unauthorized entry into the construction site	✓ Injuries ✓ Theft of tools and material	M	✓ Appoint a full time, registered security guard on site
Stacking and Storage	✓ Unsafe stacks of materials or pallets	✓ Falling of pallets and material on employees	✓ injuries ✓ Property damage	M	✓ Supervision of all stacking of materials on site ✓ Materials of same base and heights stacked together ✓ Barricade the stacking area

					✓ Unsafe stacks to be removed immediately ✓ Never stack materials during knocking off time or late at night ✓ Use task specific PPE
Working in confined spaces	✓ Confined space	✓ No procedure ✓ Inappropriate entry and exit	✓ Fatality ✓ Serious injuries	H	✓ Develop a confined space entry procedure including rescue. ✓ Ensure that there is a suitable entry and exit point ✓ Provide employees with safety harnesses
Working at Heights	✓ Heights ✓ Unfit employees ✓ Using hand tools ✓ Unsecured tools and equipment	✓ Falls ✓ Unfit for the job ✓ Damaged hand tools ✓ Falling onto Employees	✓ Injuries	M	✓ Employees to use proper PPE including safety harnesses when working at heights. ✓ Inspect all tools prior to use. ✓ Provide training for using safety harnesses correctly. ✓ Employees working at heights must be certified fit to work. ✓ Hand tools must be attached to lanyards when working at heights. ✓ Use tool bags
Installation of Equipment (energy metering panels and MV Switchgear modifications)	✓ Manual handling	✓ Poor ergonomics ✓ Hands stuck between equipment	✓ Back sprains ✓ Pinch point injuries	L	✓ Two employees to carry heavy equipment ✓ Use the correct lifting techniques ✓ Train employees on the correct lifting techniques ✓ Use hand gloves
	✓ Use of hand tools	✓ Usage of the wrong tool for the task	✓ Injuries to person ✓ Cuts	L	✓ Damaged tools ✓ All tools are visually inspected before use.

		✓ Using damaged tools ✓ Lack of skill	✓ Loss of services ✓ Damage to property		✓ Specific equipment/tools are only used by competent users
Cutting and Drilling	✓ Drilling ✓ Drill pit ✓ Drill sharp metal fibres ✓ High Noise Levels ✓ Cutting Grinder/Disc	✓ Vibration ✓ Cutting edges ✓ Eye penetration ✓ Finger cuts ✓ Expose to high noise level area ✓ Uncontrolled Disc ✓ Electrical equipment failure ✓ Sharp window edges	✓ Damaged hearing ✓ Carpal tunnel syndrome ✓ Cuts/ injuries ✓ Eye irritation / Blindness ✓ Minor cuts resulting into injury ✓ Injuries to persons operating ✓ Eye injuries	M	✓ Use hearing protection when exposed to excessive noise levels (greater than 85 dB over an 8-hour work period) ✓ Assess noise level with sound level meter if possibility exists that level may exceed 85Db ✓ Rotate drilling tasks to minimize worker exposure to equipment vibration ✓ Use right size of a drill to drill different layers of the ground ✓ Assess manual guide carefully to ensure correct usage of portable electrical devices.
Cabling	✓ Live Electric Cable	✓ Electric Shock	✓ Serious Injuries	H	✓ Ensure that electricity supply is switched off during installation ✓ Implement lockout procedures
	✓ Inadequate Wiring	✓ Electric fault ✓ Fire	✓ Serious Injuries	H	✓ Only competent persons to do the electrical work
	✓ Cutting	✓ Eye penetration	✓ Eye injuries/ blindness	M	✓ Safety goggles shall be worn by employees when cutting steel
	✓ Unit activation	✓ Struck by equipment	✓ Injuries	M	✓ Lock out/ Tag out
	✓ Live Yard	✓ Electrocution ✓ Injury ✓ Working	✓ Injury or death	E	✓ Obtain a permit ✓ Follow cardinal rules ✓ Strict supervision

		✓ unauthorized Mis-communication between employees			✓ Fire extinguisher must always be on site ✓ Obtain a permit and follow all procedures listed ✓ Strict supervision ✓ Competent technician operation ✓ Issue test certificate for every testing and inspection done
	✓ Electrical connection ✓ Extension Cords	✓ Explosion ✓ Faulty cord failure	✓ Injuries / damage to employees and equipment ✓ fire	H	✓ Emergency stop button must always be serviceable ✓ Fire extinguishers must always be kept on site
	✓ Electrical equipment ✓ Portable electrical appliances	✓ Use of faulty electrical equipment; ✓ Faulty equipment could also start a fire	✓ All workers could suffer potentially fatal shocks or burns. ✓ Electric shock/ burns ✓ injuries	E	✓ All tools to be checked and tagged before bringing onto site; ✓ Portable electrical appliances examined and where necessary, tested by a competent person within the recommended time limit; ✓ Defective appliances and leads are removed from use and kept secured until they can be repaired or removed from the site; ✓ Electric tools and installations to be in good condition; ✓ Inspect electric tools before use; ✓ Do not use electric tools in wet /damp conditions;

					✓ Use personal protective equipment such as insulated gloves.
Commission & Testing	✓ Testing ✓ Inspection	✓ Electrocution ✓ Injury /Damage to equipment ✓ Chocking ✓ Electrocution Injury ✓ Working unauthorized ✓ Miss-communication between employees	✓ Fatalities ✓ Property damages	E	✓ Authorized person with C.O.C must do all the installation ✓ Emergency stop button must always be serviceable ✓ Ensure communication between employees ✓ Technical Skills ✓ Fire extinguisher must always be on site ✓ Implement lockout procedure ✓ Strict supervision ✓ Competent technician operation ✓ Issue test certificate for every testing and inspection done
Electricity	✓ Voltage	✓ Contact with live electricity	✓ Electrocution	H	✓ Ensure that power is switched off when servicing the generator ✓ The frame of the generator and any external conducting parts should have proper grounding / earthing wiring. ✓ Do not touch with wet hands
	✓ Poor lighting	✓ Trip and Falls	✓ Injuries	M	✓ Ensure that there is sufficient lighting where work is conducted
	✓ Noise	✓ Exposure to excessive noise	✓ Noise induced ✓ hearing loss	M	✓ Provide employees with hearing protection

	✓ Revolving machinery / conveyer belt	✓ Hands getting caught in revolving machinery	✓ Serious Injuries	H	✓ Ensure that guards are in place
	✓ Sludge	✓ Contact with sludge	✓ Communicable diseases	M	✓ Ensure that all employees are vaccinated. ✓ Provide employees with proper PPE ✓ Train employees in personal hygiene
Weather conditions	✓ Weather conditions; high winds, heavy rain, hot weather etc	✓ Eye strains	✓ Fall injuries, sun burn, heat exhaustion	M	✓ Employees assesses the weather conditions before undertaking external work and does not undertake the task if conditions unsuitable ✓ Employees wears clothing appropriate to the weather conditions ✓ Employees wears clothing to cover skin and wears sunscreen in hot sunshine ✓ Employees keeps well hydrated and takes regular breaks in hot weather.
Cutting using the Grinder	✓ Grinder	✓ Untrained staff	✓ Injuries ✓ Fatal ✓ Property damage	E	✓ Only the right competent personnel to operate the grinder.
	✓ Use of Electricity	✓ Improper maintenance	✓ Shock/ Burns	M	✓ Always switch off electricity before working
	✓ Use of faulty electric cables	✓ Fire ignition	✓ Burns/ damages	M	✓ Visual inspection of cable before use
	✓ Electrical safety	✓ Electrical shock or burns	✓ Injuries ✓ Properties damage	M	✓ All portable electrical equipment should be tested for

		✓ Damaged portable electrical appliances, cables, plugs			electrical safety at correct interval ✓ Electrical cables and plugs should be regularly visually inspected by the user for damage
	✓ Cutting and welding of the Steels	✓ Burns	✓ injuries	M	✓ Care with torch and PPE ✓ All the steel cut must be placed in a barricaded space
	✓ Incompetent employees	✓ Wrong connections	✓ Burning of equipment	L	✓ Use only competent employees
Drill	✓ Incompetent personnel	✓ Incorrect operation	✓ Injuries ✓ Property damages	M	✓
	✓ Working environment	✓ May feel too hot/cold	✓ Fatigue ✓ Discomfort	M	✓ Temperature must always be kept within a comfortable range. ✓
Ladder	✓ Use of Ladder	✓ Fall from ladder	✓ Injuries	M	✓ SOP when using ladder must always be adhered to
Climbing down on ladder or structure	✓ Working at heights	✓ Falling onto / Falling objects ✓ Mechanical failure of step ladder bolts ✓ Loosing footing and falling to ground ✓ Smooth angle iron surfaces that can be slippery	✓ Employees falling from heights which may result in severe injuries ✓ Personal injuries from elevated equipment	H	✓ Admin: provide training for personnel working at heights ✓ Developing a safe working procedures and inspections should be conducted on regular basis
	✓ Dust	✓ Inhaling of dust	✓ Ill health	L	✓ Dust mask must always be used
	✓ Incompetent employees	✓ Wrong connections	✓ Damages	M	✓ Always use competent personnel

	✓ Poor house keeping	✓ Slip/ Trip/ Fall	✓ Injuries	L	✓ Good housekeeping must always be maintained
	✓ Existing services	✓ Damage to existing services	✓ Damage	L	✓ Always check existing services before
Clean site and remove Rubble	✓ Waste Disposal	✓ Injuries or property damaged	✓ Injuries	H	✓ A proper waste disposal system should be in place ✓ Waste should be removed daily and placed in the correct waste disposal system
	✓ Poor house keeping	✓ Trip and fall	✓ Injuries	H	✓ Good housekeeping to be maintained
General activities in and around site	✓ Protection of public	✓ Injury to member of public from site works	✓ Injuries	M	✓ Barriers and signage to be in place.

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