

TSHWANE AUTOMOTIVE SPECIAL ECONOMIC ZONE

AFRICA'S FIRST AUTOMOTIVE CITY

REQUEST FOR PROPOSALS (RFP)	
RFP Description:	Construction of Roads, stormwater, sewer, water and various upgrades to surrounding intersections (Package B)
RFP Number:	RFP 027/2025
CIDB Grading:	7 CE - Potential bidders with a CIDB grading of 6 CE are not eligible to bid and Joint Ventures are not allowed for the scope.
Closing Date:	04 September 2026
Closing Time:	12h00
RFP Validity Period:	180 Calendar days
Compulsory Briefing:	Compulsory Briefing Session Details: Date: 21st August 2026 Time: 10h00 – 12h00 Venue: TASEZ Central Hub Manitoba, The Willows 340-Jr, Pretoria, 0081 (https://maps.app.goo.gl/wLFGy6DMQjRvwb3M6)
Yes ☒	
No ☐	
TASEZ Enquiry Details:	
Name:	TASEZ SCM
Contact Numbers:	012 940 6378
Email Address:	rfqs-rfps@tasez.co.za
Delivery Address:	The Procurement Officer Tshwane Automotive Special Economic Zone Building 21 Council for Scientific and Industrial Research (CSIR), Meiring Naudé Road; Brummeria; Pretoria (Gauteng)
Special Note for Bidder:	
Bidder's Name:	

Book 1: The Tender

Volume 1: Tendering Procedures

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Project Overview and Terms & Definitions

Project Overview

Tshwane Automotive Special Economic Zone (TASEZ), an Automotive Special Economic Zone, formed out of an Inter-Governmental Agreement (IGA) between the Department of Trade, Industry and Competition (the dtic), the Gauteng Department of Economic Development (GDED) and the City of Tshwane (CoT) is positioned as a key development catalyst in the Gauteng Province. TASEZ mobilises both the public and private sector to invest in the northern development corridor of our capital, the CoT. The three government entities are also the funders (Sponsors) of the TASEZ infrastructure programme.

1. Phase 2 spans over 81 ha and will be developed as a mixed-use development in line with market demands, these will include: -

- (a) Centre of Excellence Campus which will facilitate the following: -
- (b) Retail & Office Node
- (c) New Industrial Node
- (d) Truck Staging
- (e) Roads Upgrades (Intersection Designs Concluded, Construction part of scope for Phase 2)
- (f) New Reservoir (Required, Bronberg currently servicing Phase 1 & 1A)

2. Through this programme, the Infrastructure Development Division seeks to: -

- (a) To facilitate the creation of industrial complexes, with strategic regional, national, provincial, and local economic development benefits
- (b) To provide a location for investment in the infrastructure needed to develop targeted industrial activities
- (c) Create decent (sustainable) work as well the communities in which TASEZ is located, including greater economic participation by SMMEs and co-operatives
- (d) Promote technology skills transfer.

3. The project's scope of works will include but is not limited to:

- 7500m² of new road surface and earthworks,
- 3100m² of new walkways,
- Various Ancillary roadwork
- 425m of new stormwater pipes with junction boxes and inlets,
- 1250m of new water pipe
- 180m of new sewer pipe
- 2500m² of intersection upgrades.

The project is located on the Remainder of Portion 601 (a portion of Portion 89) of the farm The Willows 340 JR, in the City of Tshwane Metropolitan Municipality. The site is located within the SAMCOR Park Industrial area, between the Waltloo and Nellmapius townships. The road will be cutting through extension 11,12 &13.

Simon Vermooten Road (M12) lies approximately 500m to the west, and Bronkhorstspuit Road is situated approximately 550m to the south. The property is situated at 459 Alwyn Street, 500m to the south-east of the intersection between Alwyn Street and Propshaft Road. The site is easily accessible from Alwyn Street and Propshaft Road.

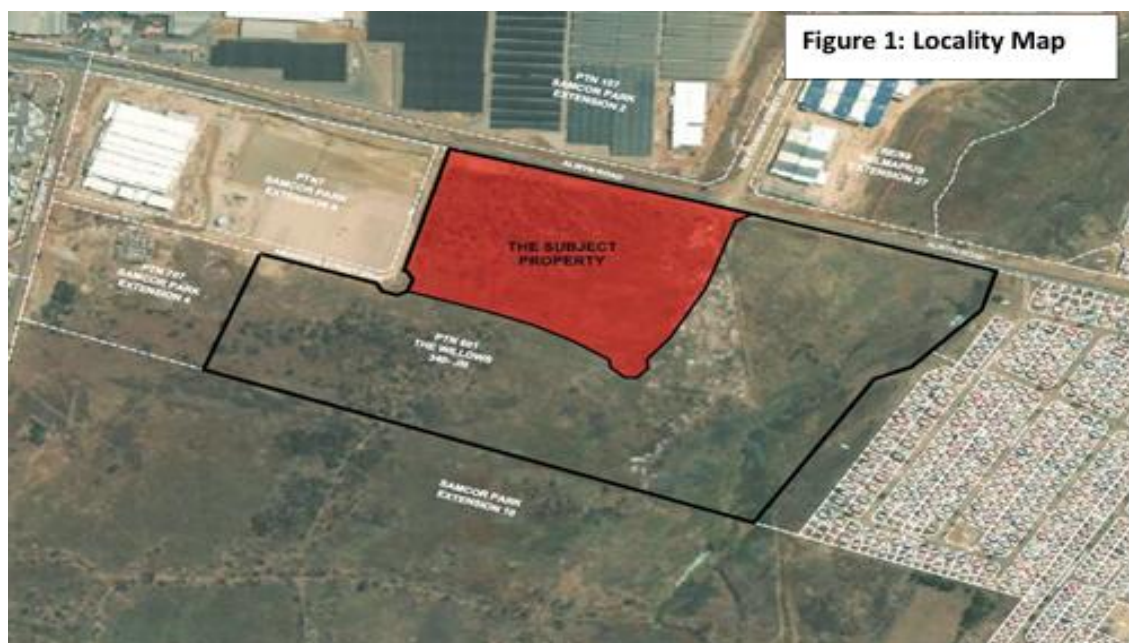


Figure 1: Project Location



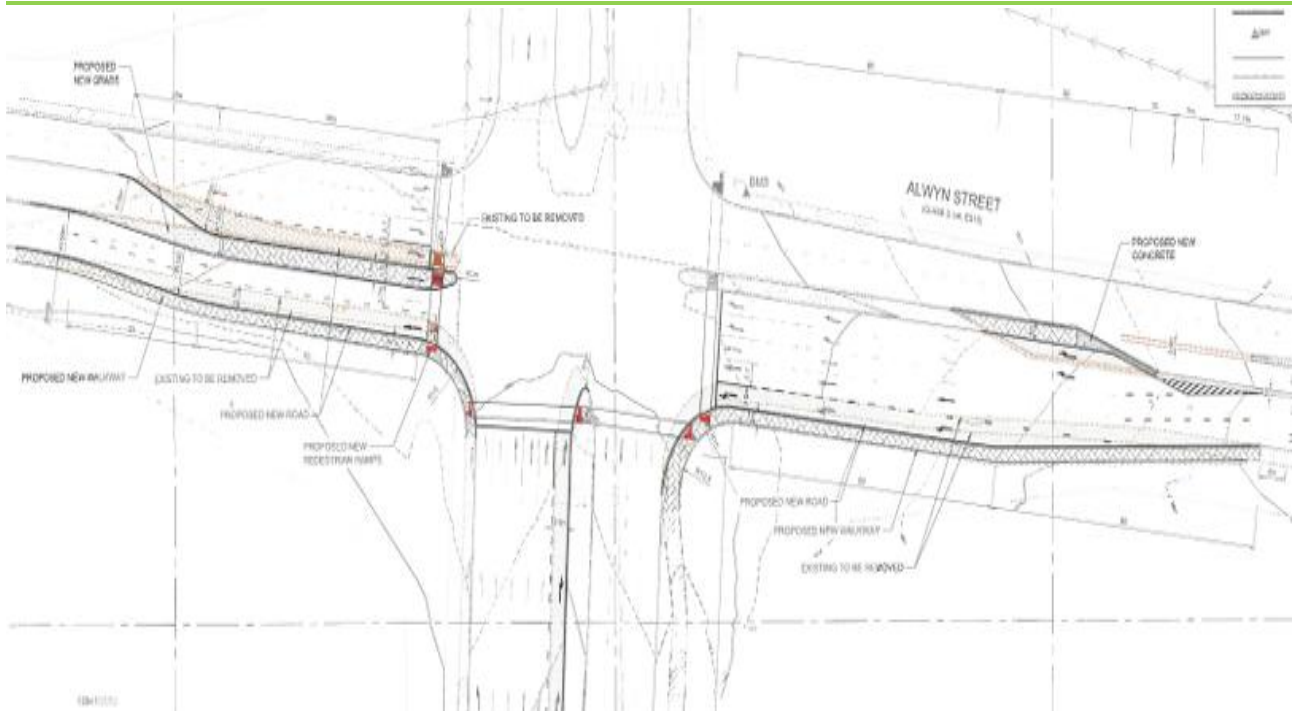


Figure 4: Simon Vermooten Road and Alwyn Street

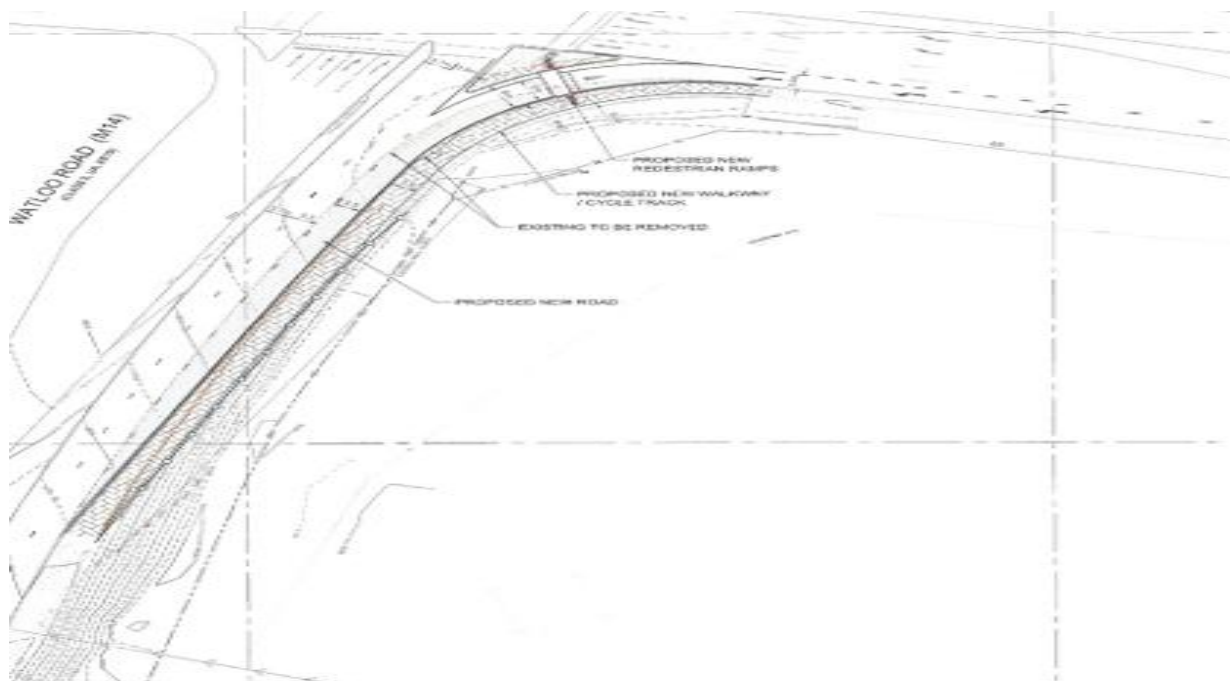
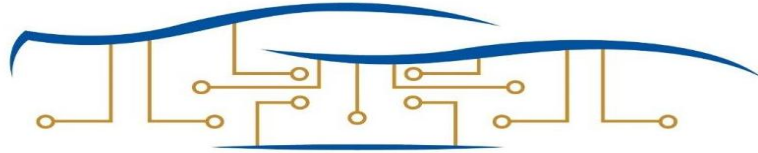


Figure 5: Watloo Road and Stormvoel Road

Definitions

- I. **"TASEZ"** means the Tshwane Automotive Special Economic Zone.
- II. **"Client"** means the Tshwane Automotive Special Economic Zone (TASEZ).
- III. **"Employer"** means the TASEZ, which affects its obligations on the Project through persons employed on / deployed to the Project.
- IV. **"Employer Representative"** means the person named by the employer/Client who acts on behalf of the employer/client
- V. **"End User"** means the entity/tenant that will make use of the facility as per the agreement with the Client
- VI. **"Contractor"** means any Building Contractor, Civil Engineering Contractor, Mechanical, Electrical, Instrumentation or Piping Contractor, Service Provider, Vendor or any joint venture partnership and their sub-contractors (SMMEs inclusive), conducting construction work and related activities on the Project.
- VII. **"Project"** means the construction and commissioning of all infrastructure in the Tshwane Automotive Special Economic Zone.



TSHWANE AUTOMOTIVE SPECIAL ECONOMIC ZONE

AFRICA'S FIRST AUTOMOTIVE CITY

Part T1: Tendering Procedures

T1.1: Tender Notice and Invitation to Tender

TASEZ is inviting capable and competent Contractors with a CIDB grading of **7CE** to submit their bids for the **Construction of Roads, stormwater, sewer, water and various upgrades to surrounding intersections** for the TASEZ Phase 2 Programme.

The type of contract used will be an amended FIDIC contract, Second Edition 2017 (Red Book) published by the International Federation of Consulting Engineers (FIDIC).

To be eligible to bid, the Contractor must be registered with CIDB in the category **Grade 7 CE**. (Roads and Stormwater) Emerging Bidders with CIDB **Grade 6 EP PE** are not eligible to respond to this tender and will not be considered.

The project is to be completed within **8 months** from the Commencement Date.

Tenders are hereby invited for the services below.:

Tender Number:	RFP 027/2025
Tender Description:	Construction of Roads, stormwater, sewer, water and various upgrades to surrounding intersections (Package B)
Organisation:	Tshwane Automotive Special Economic Zone (TASEZ)
Division:	Infrastructure Development Division
CIDB Grading	7 CE only
Tender Documents:	This Tender Document may be downloaded directly from these websites: <u>Documents can be downloaded for free.</u> 1. National Treasury e-Tender Publication Portal at www.etenders.gov.za 2. TASEZ Tender Portal website at www.tasez.co.za 3. CIDB website at https://www.cidb.org.za/cidb-tenders/current-tenders/
Tender Document Availability:	Tenders can be collected from TASEZ website
Compulsory Briefing / Clarification Meeting:	A compulsory clarification meeting with representatives of the <i>Employer</i> will take place at Silverton – TASEZ Central Hub - Manitoba, The Willows 340-Jr, Pretoria, 0081 (https://maps.app.goo.gl/wLFGy6DMQjRvwb3M6), Coordinates -25.721974934467674, 28.358535517271232 on the 21st of August 2026 starting at 10h00. <u>Briefing presentation and minutes will be made available to all invited bidders</u>
Queries:	Queries relating to the issue of these documents may be addressed to Ms Hlamulo Shirinda, at the email address rfqs-rfps@tasez.co.za. Bidders may only correspond via email between the periods of 28th August 2026. TASEZ will compile and distribute a schedule of questions and answers to all bidders. The name of the bidder who submitted the questions/s will be withheld. No new queries received after 28th August 2026 will be considered.
Tender Closing Date Time:	12:00 hrs on 04th September 2026. Telegraphic, telephonic, facsimile, e-mail and late tenders will not be accepted.
Tenders must only be submitted on the tender documentation that is issued.	
The <i>Conditions of Contract</i> are the <i>Conditions of contract for Construction Contract 2nd Edition, Second Edition 2017 (Red Book)</i> as published by the International Federation of Consulting Engineers (FIDIC) are applicable to this Contract. Copies of these conditions of contract may be obtained from the South African Institution of Civil Engineering (Tel. 011 - 805 5947) or the South African Association of Consulting Engineers (Tel. 011 - 463 2022).	

We look forward to receiving your tender by the date and time stated.

Yours faithfully,

Andile Sangweni

Executive Manager: Infrastructure Development Division

TASEZ

SBD 1 Form – Invitation to Tender

You are Hereby Invited to Tender for Requirements of the (Name of Department/ Tenderer Entity)					
Tender Number:	RFP 027/2025	Closing Date:	04 September 2026	Closing Time:	12h00
Description:	Construction of Roads, stormwater, sewer, water and various upgrades to surrounding intersections (Package B)				
The Successful Tenderer will be Required to Fill in and Sign a Written Contract Form (SBD7).					

Tender Response Documents May Be Deposited in the Tender Box Situated at (Street Address):

TASEZ Situated at the Council for Scientific and Industrial Research (CSIR) Meiring Naudé Road; Brummeria Pretoria (Gauteng), Building 21					
Supplier Information					
Name of Tenderer					
Postal Address					
Street Address					
Telephone Number	Code		Number		
Cellphone Number					
Facsimile Number	Code		Number		
E-Mail Address					
Vat Registration Number					
	TCS PIN:		OR	CSD No:	
B-BBEE Status Level Verification Certificate [Tick Applicable Box]	☐ Yes ☐ No		B-BBEE Status Level Sworn Affidavit		☐ Yes ☐ No
If yes, who was the Certificate Issued by?					
An accounting officer as contemplated in the Close Corporation Act (CCA) and name the applicable in the tick box	☐	An Accounting Officer as contemplated in the Close Corporation Act (CCA)			
	☐	A Verification Agency Accredited by the South African Accreditation System (SANAS)			
	☐	A Registered Auditor Name:			
[A B-BBEE Status Level Verification Certificate / Sworn Affidavit (For EMES& QSES) Must Be Submitted in Order to Qualify for Preference Points For B-BBEE]					
Are you the Accredited Representative in South Africa for the Goods / Services / Works Offered?	☐ Yes ☐ No [If Yes Enclose Proof]		Are you a Foreign Based Supplier for the Goods / Services / Works Offered?	☐ Yes ☐ No [If Yes Answer Part B:3 Below]	
Signature of Tenderer			Date		
Capacity under which this Tender is Signed. (Attach Proof of Authority to Sign this Tender, e.g., Resolution of Directors, etc.)					
Total Number of Items Offered			Total Tender Price (All Inclusive)	R	
Tendering Procedure Enquiries may be Directed to:			Technical Information may be directed to:		
Department/ Tenderer Entity	SCM TASEZ		Contact Person	Hlamulo	
Telephone Number	012 564 3174		Facsimile Number	012 564 3174	
Facsimile Number	N/A		E-Mail Address	rfqs-rfps@tasez.co.za	

E-Mail Address	rfqs-rfps@tasez.co.za
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SBD 2 – Tax Compliance Requirements

It is a condition of tender that the taxes of the successful tenderer must be in order, or that satisfactory arrangements have been made with the South African Revenue Service (SARS) to meet the tenderer's tax obligations.

Tax Compliance Requirements

- 2.1. Tenderers must ensure compliance with their Tax obligations.
- 2.2. Tenderers are required to submit their Unique Personal Identification Number (PIN) issued by SARS to enable TASEZ to verify the taxpayer's profile and tax status.
- 2.3. Application for Tax Compliance Status (TCS) Pin may be made via e-filing through the SARS website www.sars.gov.za
- 2.4. Tenderers must submit a printed TCS Certificate together with the tender.
- 2.5. In Tenders where Consortia / Joint Ventures / Sub-Contractors are involved, each party must submit a separate TCS Certificate / Pin / CSD Report.
- 2.6. Where no TCS Pin is available, but the Tenderer is registered on the Central Supplier Database (CSD), a CSD Report must be provided.
- 2.7. No tenders will be considered from persons in the Service of The State, Companies with Directors who are Persons in The Service of the State, Or Close Corporations with members Persons in the Service of the State."

Questionnaire to the Foreign Tenderers

Is The Tenderer a Resident of the Tenderer of South Africa (RSA)?	☐ Yes	☐ No
Does the Tenderer have a Branch in the RSA?	☐ Yes	☐ No
Does the Tenderer have a Permanent Establishment in the RSA?	☐ Yes	☐ No
Does the Tenderer have any Source of Income in the RSA?	☐ Yes	☐ No
If the answer is "no" to all of the above, then, it is not a requirement to obtain a Tax Compliance Status / Tax Compliance system pin code from the South African Revenue Service (SARS) and if not register as per 2 above.		

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

Signature of Tenderer: _____

Capacity under which this Tender is Signed: _____

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

DATE: _____

Compulsory Enterprise Questionnaire

The following particulars must be furnished.

Section 1: Name of Enterprise: _____**Section 2: VAT Registration Number, if any:** _____**Section 3: CIDB Registration Number, if any:** _____**Section 4: Particulars of Sole Proprietors and Partners in Partnerships**

Name*	Identity number*	Personal Income Tax Number*

* Complete only if sole proprietor or partnership and attach a separate page if more than 3 partners

Section 5: Particulars of Companies and Close Corporations

Company Registration Number: _____

Close Corporation Number: _____

Tax Reference Number: _____

Section 6: The attached SBD 4 must be completed for each tender and be attached as a tender requirement.**Section 7: The attached SBD 6.1 must be completed for each tender and be attached as a requirement.****Section 8: The attached SBD 8 must be completed for each tender and be attached as a requirement.****Section 9: The attached SBD 9 must be completed for each tender and be attached as a requirement.**

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

- i) Authorises the Employer to obtain a tax clearance certificate from the South African Revenue Service that my / our tax matters are in order.
- ii) Confirms that neither the name of the enterprise nor the name of any partner, manager, director or other person, who wholly or partly exercises, or may exercise, control over the enterprise appears on the Register of Tender Defaulters established in terms of the Prevention and Combating of Corrupt Activities Act of 2004.
- iii) Confirms that no partner, member, director or other person, who wholly or partly exercises, or may exercise, control over the enterprise appears, has within the last five years been convicted of fraud or corruption.
- iv) Confirms that I/we are not associated, linked or involved with any other tendering entities submitting tender offers and have no other relationship with any of the Tenderer or those responsible for compiling the scope of work that could cause or be interpreted as a conflict of interest; and
- v) Confirms that the contents of this questionnaire are within my personal knowledge and are to the best of my belief both true and correct.

Signed

Date

Name

Position

SBD 4 Form

Declaration of Interest

1. Any legal person, including persons employed by the state¹, or persons having a kinship with persons employed by the state, including a blood relationship, may make an offer or offers in terms of this invitation to tender (includes a price quotation, advertised competitive tender, limited tender or proposal). In view of possible allegations of favouritism, should the resulting tender, or part thereof, be awarded to persons employed by the state, or to persons connected with or related to them, it is required that the tenderer or his/her authorised representative declare his/her position in relation to the evaluating/adjudicating authority where-
 - the tenderer is employed by the state; and/or
 - the legal person on whose behalf the tendering document is signed, has a relationship with persons/a person who are/is involved in the evaluation and or adjudication of the tender(s), or where it is known that such a relationship exists between the person or persons for or on whose behalf the declarant acts and persons who are involved with the evaluation and or adjudication of the tender.
2. In order to give effect to the above, the following questionnaire must be completed and submitted with the tender.
 - 2.1. Full Name of the tenderer or his or her representative:

.....
 - 2.2. Identity Number:
 - 2.3. Position occupied in the Company (director, trustee, shareholder²):
 - 2.4. Company Registration Number:
 - 2.5. Tax Reference Number:
 - 2.6. VAT Registration Number:
 - 2.6.1. The names of all directors/trustees/shareholders/members, their individual identity numbers, tax reference numbers and, if applicable, employee/personnel numbers must be indicated in paragraph 3 below.
 - 2.6.2. **“State”** means –
 - a) any national or provincial department, national or provincial Tenderer entity or constitutional institution within the meaning of the Tenderer Finance Management Act, 1999 (Act No. 1 of 1999)
 - b) any municipality or municipal entity

- c) provincial legislature
- d) national Assembly or the national Council of provinces; or
- e) Parliament.

2.6.3. **2" Shareholder"** means a person who owns shares in the company is actively involved in the management of the enterprise or business and exercises control over the enterprise.

2.7. Are you or any person connected with the tenderer presently employed by the state. **Yes / No**

2.8. If so, furnish the following particulars:

Name of person/director/trustee/shareholder/ member:

Name of state institution at which you or the person:
connected to the tenderer is employed:

The position occupied in the state institution:

.....

Any other particulars:

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

2.9. If you are presently employed by the state, did you obtain the appropriate authority to undertake remunerative work outside employment in the Tenderer sector? **Yes / No**

2.9.1. If yes, did you attach proof of such authority to the tender document? **Yes / No**

(Note: Failure to submit proof of such authority, where applicable, may result in the disqualification of the tender.

2.9.2. If no, furnish reasons for non-submission of such proof:

.....
.....

2.10. Did you or your spouse, or any of the company's directors/trustees / shareholders/members or their spouses conduct business with the State in the previous twelve months? **Yes / No**

2.10.1. If so, furnish particulars:

.....

.....

.....

2.11. Do you, or any person connected with the tenderer, have any Relationship any relationship (family, friend, other) with a person employed by the State and who may be involved with the evaluation and or adjudication of this tender?

Yes / No

2.11.1. If so, furnish particulars.

.....

.....

2.12. Are you, or any person connected with the tenderer, aware of any relationship (family, friend, other) between any other tenderer and any person employed by the state who may be involved with the evaluation and or adjudication of this tender?

Yes / No

2.12.1. If so, furnish particulars.

.....

.....

2.13. Do you or any of the directors/trustees/shareholders/members of the company have any interest in any other related companies whether or not they are tendering for this contract?

Yes / No

2.13.1. If so, furnish particulars:

.....

.....

Table 1: Full details of Directors / Trustees / Members / Shareholders.

Full Name	Identity Number	Personal Tax Reference Number	State Employee Number / Persal Number

3. Declaration

I, the undersigned (Name)

Certify that the information furnished in paragraphs 2 and 3 above is correct. I accept that the state may reject the tender or act against me in terms of paragraph 23 of the general conditions of the contract should this declaration prove to be false.

.....

Date

.....

Signature

.....

Position

.....

Name of Tenderer

SBD 6.1 Form

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

This preference form must form part of all tenders invited. It contains general information and serves as a claim form for preference points for Broad-Based Black Economic Empowerment (B-BBEE) Status Level of Contribution

NB: BEFORE COMPLETING THIS FORM, TENDERERS MUST STUDY THE GENERAL CONDITIONS, DEFINITIONS AND DIRECTIVES APPLICABLE IN RESPECT OF B-BBEE, AS PRESCRIBED IN THE PREFERENTIAL PROCUREMENT REGULATIONS, 2017.

1. General Conditions

1.1. The following preference point systems are applicable for this tender:

1.1.1. the 80/20 system for requirements with a Rand value below R50 000 000 (all applicable taxes included).

1.2. Price and Specific Goals Points

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

1.2.2. The 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:

1.3.1. Price; and

1.3.2. Specific Goals.

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

Table 2: Price and Specific Goals Points Allocations

Description	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

- 2.1. **"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.
- 2.2. **"Price"** means an amount of money tendered for goods or services and includes all applicable taxes less all unconditional discounts.
- 2.3. **"Rand Value"** means the total estimated value of a contract in Rand, calculated at the time of tender invitation, and includes all applicable taxes.
- 2.4. **"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
- 2.5. **"The Act"** means the Preferential Procurement Policy Framework Act, 2000 (Act No. 5 of 2000).
- 2.6. **"EME"** means an Exempted Micro Enterprise in terms of a code of good practice on black economic empowerment issued in terms of section 9 (1) of the Broad- Based Black Economic Empowerment Act.
- 2.7. **"Functionality"** means the ability of a Tenderer to provide goods or services in accordance with specifications as set out in the tender documents.

- 2.8. **"QSE"** means a qualifying small business enterprise in terms of a code of good practice on black economic empowerment issued in terms of section 9 (1) of the Broad-Based Black Economic Empowerment Act.

3. Points Awarded for Price

3.1. The 80/20 or 90/10 Preference Point Systems

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

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

Where

P_s	=	Points scored for price of tender under consideration
P_t	=	Price of tender under consideration
$P_{\min}$	=	Price of lowest acceptable tender

4. Points Awarded for Specific Goals

- 4.1. In terms of Regulation 4(2); 5(2); 6(2) and 7(2) of the Preferential Procurement Regulations, preference points must be awarded for specific goals stated in the tender. For the purposes of this tender the tenderer will be allocated points based on the goals stated in **Table 3** 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—
5. In terms of Regulation 6 (2) and 7 (2) of the Preferential Procurement Regulations, preference points must be awarded to a Tenderer for attaining the B-BBEE status level of contribution in accordance with the table below: -
- 5.1.1. 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.

- 5.1.2. Any other invitation for tender, that either the 80/20 or 90/10 preference point system will apply and that the lowest acceptable tender will be used to determine the applicable preference point system, then the organ of state must indicate the points allocated for specific goals for both the 90/10 and 80/20 preference point system.

Table 3: Specific goals for the tender and points claimed are indicated per the table below.

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)
EMEs and QSEs		
Companies owned by black people <u>(51% + Black Owned).</u>	8	
Companies owned by women <u>(30% + Black Women Owned).</u>	5	
Companies owned by youth <u>(51% + Black Women Owned).</u>	5	
Companies owned by people with disabilities	2	
Companies owned by black people living in rural or underdeveloped areas		
Companies owned by black people living in townships		
Total Points Claimed	20	

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

DECLARATION WITH REGARD TO COMPANY/FIRM

5.2. Name of Company / Firm:

5.3. Company Registration Number:

5.4. Type of Company / Firm

- ☐ Partnership/Joint Venture / Consortium
- ☐ One-person business/sole propriety
- ☐ Close corporation
- ☐ Public Company
- ☐ Personal Liability Company

- ☐ (Pty) Limited
- ☐ Non-Profit Company
- ☐ State Owned Company

[TICK APPLICABLE BOX]

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

5.5.1. The information furnished is true and correct.

5.5.2. The preference points claimed are in accordance with the General Conditions as indicated in paragraph 1 of this form.

5.5.3. In the event of a contract being awarded as a result of points claimed as shown in paragraphs 1.4 and 4.2, the contractor may be required to furnish documentary proof to the satisfaction of the organ of state that the claims are correct.

5.5.4. If the specific goals have been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the organ of state may, in addition to any other remedy it may have: -

5.5.4.1. Disqualify the person from the tendering process.

5.5.4.2. Recover costs, losses or damages it has incurred or suffered as a result of that person's conduct.

5.5.4.3. 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.

5.5.4.4. 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.

5.5.4.5. Forward the matter for criminal prosecution, if deemed necessary.

6.

Tenderer:

Name:

Title:

Signature

Date:

Address:

T1.2: Tender Data

The tender conditions are the Standard Conditions of Tender as contained in the FIDIC ("Red Book") 2017 as published by the International Federation of Consulting Engineers (FIDIC).

The Standard Conditions of Tender make several references to the Tender Data for details that apply specifically to this tender. The Tender Data shall have precedence in the interpretation of any ambiguity or inconsistency between it and the Standard Conditions of Tender.

Each item of data given below is cross-referenced to the clause in the above-mentioned Standard Conditions of Tender.

Clause	Tender Data
C1.1	The Employer is: Tshwane Automotive Special Economic Zone
C1.2	The tender documents issued by the employer comprise: <u>Volume 1: The Tender</u> Part T1: Tendering Procedures T1.1 Tender Notice and Invitation to Tender T1.2 Tender Data T1.21 Appendix – Planning Specifications T1.3 Evaluation Criteria T1.4 Standard Conditions of the Tender <u>Volume 2: The Contract</u> Part C3: Scope of Work Part C4: Site Information Annexures <u>Volume 3: The Contract</u> T2.1 Returnable Documents Checklist T2.2 Returnable Schedules Part C1: Agreement and Contract Data

Clause	Tender Data
	C1.1 Form of Offer and Acceptance C1.2 Contract Agreement C1.3 Contract Data (Part 1: Data provided by the Employer / Client) C1.4 Contract Data (Part 2: Data provided by the Contractor) C1.5 Agreement in Terms of the Occupational Health and Safety Act (No. 85 of 1993) C1.6 Certificate of Authority for Signatory to Agreement in terms of OHS (Act 85 of 1993) C1.7 Form of Performance Security C1.8 Pro-Forma: Insurance Undertaking Part C2: Price Data C2.1 Price Assumptions C2.2 Bills of Quantities The following legislation shall apply: a) The Public Finance Management Act (PFMA) shall apply b) National Treasury Regulations. c) Preferential Procurement Policy Framework Act, 2000. d) Occupational Health and Safety Act and Regulations, Act (85 of 1993). e) Compensation for Occupational injuries and disease Act (130 of 1993). f) B-BBEE Act Number 53 of 2003 (as amended by Act number 46 of 2013); g) The CIDB Act, Act 38 of 2000, and h) Any other applicable legislation. In addition, Tenderers are advised, in their own interest, to obtain their own copies of the relevant Acts, Regulations and Standards referred to in this document as they are essential for the Tenderer to become acquainted with the basics of construction management, the implementation of preferential construction procurement policies, and participation of targeted enterprises and labour
C.1.4	The Employer Agent is: Name : Civil Concepts (PTY) Ltd Address : 50 15th Street, Menlo Park, Pretoria, 0081 E-mail : werner@civilconcepts.co.za
C.2.1	Failure to adhere to the conditions stated hereinunder or to provide evidence where specified will render the submission non-responsive and the submission will not be considered further. 1. Mandatory Requirements 1.1. Attendance of the Compulsory Briefing Attendance at the compulsory site briefing meeting evidenced by signature of the Attendance Register. The attendance register must be completed in the name of the entity that will be submitting the bid. 1.2. Valid Registration CIDB

Clause	Tender Data									
	1.2.1. Only those bidders who are registered with the Construction Industry Development Board (CIDB). Bidders must meet the required CIDB grading of 7 CE. Potential bidders with a CIDB grading 6 CE are not eligible to bid. 1.2.2. It is the responsibility of the bidder to ensure his or her CIDB grading is active throughout the adjudication period (from advertisement to award of contract) 1.3. SBD 4 – Bidders Disclosure Form Completed and signed Bidders Disclosure Form (SBD 4). 1.4. Target Area 1 Bidders to submit a letter from the Ward Councillor. 1.4.1. Ward 06: Mamelodi West, areas C2, D1, D4 and D5, 1.4.2. Ward 15: Nellmapius ext. 6, ext. 7, ext. 8, Ikageng and Buffer Zone 1.4.3. Ward 18: Mamelodi East, Khutsong extensions, Mamelodi Gardens sections 1, 14, 15, 16, 17 1.4.4. Ward 28: Mamelodi West areas D2, D3, Moretele View and Buffer Zone, 1.4.5. Ward 38: Mamelodi Sun Valley (X13 and X 14) 1.4.6. Ward 41: Bellievue, Meyerspark, Murrayfield, Salieshoek, Silverton and Val de Grace 1.4.7. Ward 43: Dispatch, Eersterust, Silverton (North of Pretoria Avenue), Silvertondale and Waltloo 1.4.8. Ward 67: Mamelodi; and 1.4.9. Ward 86: Nellmapius, Samcor Park, Willow Brase and Willow Park and Willow Park Manor 1.5. A fully completed and signed Form of Offer. 1.6. A fully completed and signed SBD 6.1 Form 1.7. A Performance Bond (Performance Security) or a letter of intent from an approved financial service provider (10% of the proposed total offer) 2. Pre-Qualification Any bidder that fails to submit any of the registered proposed key personnel as listed below will be regarded as non-responsive and therefore, unacceptable. <table><tr><th>No.</th><th>Key Personnel</th><th>Registration Number (Proof of Registration and CV to be Submitted)</th></tr><tr><td>1.</td><td>Construction Manager – must have a valid registration in the category Pr. CM with the South African Council for the Project Construction Management Professions and (Pr. Technologist or Engineer with the Engineering Council of South Africa) with minimum 10 years' experience in the Construction of Roads and Stormwater projects. (Pr. Techni will not be considered)</td><td></td></tr><tr><td>2.</td><td>Safety Officer/Manager–Safety Officer /Manager – Must have a valid registration in the category CHSO/CHSM with the SACPCMP with a minimum three (3) post registration years' experience.</td><td></td></tr></table>	No.	Key Personnel	Registration Number (Proof of Registration and CV to be Submitted)	1.	Construction Manager – must have a valid registration in the category Pr. CM with the South African Council for the Project Construction Management Professions and (Pr. Technologist or Engineer with the Engineering Council of South Africa) with minimum 10 years' experience in the Construction of Roads and Stormwater projects. (Pr. Techni will not be considered)		2.	Safety Officer/Manager –Safety Officer /Manager – Must have a valid registration in the category CHSO/CHSM with the SACPCMP with a minimum three (3) post registration years' experience.	
No.	Key Personnel	Registration Number (Proof of Registration and CV to be Submitted)								
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Clause	Tender Data
C.2.7	A compulsory clarification meeting with representatives of the Employer will take place at Silverton – TASEZ Central Hub - Manitoba, The Willows 340-Jr, Pretoria, 0081 https://maps.app.goo.gl/wLFGy6DMQjRvwb3M6 Coordinates -25.721974934467674, 28.358535517271232 Date: 21 August 2026 Time: 10h00. The briefing presentation and minutes will be made available to all bidders who attended the briefing. Bidders may only correspond via email to rfqs-rfps@tasez.co.za, for any enquiries related to the bid, between the periods of 28th August 2026. TASEZ will compile and distribute a schedule of questions and answers to all bidders. The name of the bidder who submitted the questions/s will be withheld. No new queries received after 28th August 2026 will be considered.
C2.10	All Tenderers that are registered for Value Added Tax (VAT) with the South African Revenue Service (SARS) must include VAT in their tender offer. TASEZ will only award the tender to a bidder who is tax compliant. The tax compliance status of the bidders will be verified through the CSD and SARS website, therefore prospective bidders must ensure that they are Tax Compliant throughout the validity period of the bid under review.
C2.11	The tenderer shall not retype the tender document. Any tender submitted using a document that has been retyped shall be considered non-responsive and rejected. No alternative tender offers will be considered Telephonic, telegraphic, telex, tippexed, or e-mailed tender offers will not be accepted
C.2.12	No telephonic or any other form of communication with any other TASEZ member of staff, other than the named individual on the tender advert, relating to this request for the tender will be permitted. All enquiries regarding this tender must be in writing only and must be directed to: Lucia e-mail: rfqs-rfps@tasez.co.za
C2.13	C2.13.3: Under no circumstances whatsoever may the tender forms be retyped or redrafted. Photocopies of the original tender documentation may be used, but an original signature must appear on such photocopies. C2.13.5: One (1) Original of the completed bid document contained in a sealed envelope clearly marked: RFP/27/2025: Construction of Roads, stormwater, sewer, water and various upgrades to surrounding intersections for the TASEZ shall be placed in the tender box at the TASEZ's offices at: - Location of the Tender Box : Building 21 Reception

Clause	Tender Data
	Physical Address : Council for Scientific and Industrial Research (CSIR), Meiring Naudé Road. Brummeria; Pretoria (Gauteng), Pretoria. Identification Details : Contract No. RFP/27/2025 Contract Description : Construction of Roads, stormwater, sewer, water and various upgrades to surrounding intersections C2.13.6 A two-envelope system will NOT be followed. The bidders are required to submit one original completed bid document (hard copy). No electronic submission is permitted.
C.2.15	The Closing Date and Time for submission of Tender Offers is: Date: Friday, 03 July 2026 Time: 12h00 Telegraphic, telephonic, telex, facsimile, electronic, e-mail and late tenders will not be accepted.
C.2.16	The tender validity period shall be 120 Calendar Days , calculated from the date of bid closure.
C.2.18	The tenderer shall, when requested by the Employer/Client to do so, submit the names of all management and supervisory staff that will be employed to supervise the Labour-Intensive portion of the works together with satisfactory evidence that such staff members satisfy the eligibility requirements
C.2.19	Access shall be provided for the following inspections, tests, and analysis: Geotechnical Report, Topographic and Cadastral survey.
C.2.20	The tenderer is required to submit with his tender A Performance Bond (Performance Security) or a letter of intent from an approved financial service provider (10% of the proposed total offer) to the format included in Section C1.7 Performance Security (Pro Forma) of this document
C3.8	Test for Responsiveness
C3.8.1	Determine, after opening and before detailed evaluation, whether each tender offer was properly received: a) complies with the requirements of these Conditions of Tender, b) has been properly and fully completed and signed, and c) is responsive to the other requirements of the tender documents.
C3.8.2	A responsive tender is one that conforms to all the terms, conditions, and specifications of the tender documents without material deviation or qualification. A material deviation or qualification is one which, in the Employer's opinion, would: a) detrimentally affect the scope, quality, or performance of the works, services or supply identified in the Scope of Work,

Clause	Tender Data
	b) significantly change the Employer's or the tenderer's risks and responsibilities under the contract, or c) affect the competitive position of other tenderers presenting responsive tenders, if it were to be rectified. Reject a non-responsive tender offer, and not allow it to be subsequently made responsive by correction or withdrawal of the non-conforming deviation or reservation.
C3.9	Arithmetical errors, omissions and discrepancies
C.3.9.1	Check responsive tenders for discrepancies between amounts in words and amounts in figures. Where there is a discrepancy between the amounts in figures and the amount in words, the amount in words shall govern.
C.3.9.2	Check the highest-ranked tender or tenderer with the highest number of tender evaluation points after the evaluation of tender offers for: a) the gross misplacement of the decimal point in any unit rate b) omissions made in completing the pricing schedule or bills of quantities; or c) arithmetic errors in: i) line-item totals resulting from the product of a unit rate and a quantity in BoQs or schedules of prices; or ii) the summation of the prices.
C.3.9.3	Notify the tenderer of all errors or omissions that are identified in the tender offer and either confirm the tender offer as tendered or accept the corrected total of prices.
C.3.9.4	Where the tenderer elects to confirm the tender offer as tendered, correct the errors as follows: - a) If bills of quantities or pricing schedules apply and there is an error in the line-item total resulting from the product of the unit rate and the quantity, the line-item total shall govern, and the rate shall be corrected. Where there is an obviously gross misplacement of the decimal point in the unit rate, the line-item total as quoted shall govern, and the unit rate shall be corrected. b) Where there is an error in the total of the prices either as a result of other corrections required by this checking process or in the tenderer's addition of prices, the total of the prices shall govern, and the tenderer will be asked to revise selected item prices (and their rates if bills of quantities apply) to achieve the tendered total of the prices.
C3.10	Obtain clarification from a tenderer on any matter that could give rise to ambiguity in a contract arising from the tender offer.
C3.13	The legal requirements for acceptance of the tender offer are: a) Tender Defaulters Register – the Tenderer or any of its principals is not listed on the register of Tender Defaulters in terms of the Prevention and Combating of Corrupt Activities Act of 2004 as a person prohibited from doing business with the public sector.

Clause	Tender Data
	b) Abuse of the SCM System – the Tenderer has not abused the Employer's Supply Chain Management System and has not been given a written notice to the effect that he has failed to perform on any previous contract. c) Declaration – the Tenderer has indicated and declared whether a spouse, child or parent of the Tenderer is in the service of the State. d) Fraud and Corruption – the Employer is satisfied that the Tenderer or any of his principals have not influenced the tender offer and acceptance by the following criteria: having offered, promised or given a bribe or other gift or remuneration to any person in connection with the obtaining of this Contract i) having acted in a fraudulent or corrupt manner in obtaining this Contract ii) having approached an officer or employee of the Employer or the Employer's Agent with the object of influencing the award of a Contract in the Tenderer's favour iii) having entered into any agreement or arrangement, whether legally binding or not, with any other person, firm or company to refrain from Tendering for this Contract or as to the amount of the Tender to be submitted by either party; or iv) having disclosed to any other person, firm or company other than the Employer, the exact or approximate amount of his proposed Tender. The Employer may, in addition to using any other legal remedies, repudiate the Tender offer and acceptance and declare the Contract invalid should it have been concluded already.
C.3.17	The number of paper copies of the signed contract to be provided by the Employer/Client is 1 (one)
C3.18	On the TASEZ projects, the TASEZ will not award more than one project to one bidder. Bidders who have already been awarded one project and have reached 80% completion will be eligible to tender for a second project at the discretion of the TASEZ. Performance on the first project will be an assessment criterion in the Qualitative Stage of Evaluation, and poor performance will be a factor used to pass over a bidder.
C3.19	a) The successful bidder will be required to comply with the Occupational Health and Safety Act and Regulations, Act (85 of 1993) and Compensation for Occupational Injuries and Disease Act, Act (130 of 1993) and all relevant and applicable legislation. Upon appointment, the successful bidder will be required to develop the Occupational Health, Safety and Environmental Management Systems to comply with the SANS Norms and Standards. The TASEZ SHEQ Unit will monitor compliance with the Occupational Health and Safety, Environmental and Quality requirements for the duration of the contract b) The successful Bidder will be required to provide, upon award, a valid proof of registration of the Construction Health and Safety Officer or Construction Health and Safety Manager with SACPCMP registration. Registration in the "Candidate" category will not be accepted. The CHSO/CHSM must have a minimum of five (5) years' experience.
C3.20	Bidders must complete and sign the POPI Act. In the case of a Joint Venture/ Consortium, a separate form in respect of each party to the JV must be completed (Schedule 13)

T1.21: Planning Specifications

1. Introduction

The Construction Programme and all associated documents as detailed in this Attachment are an essential part of the Project control system used by the Employers Representative in monitoring the progress of the work under the Contract. The information and data provided by the Contractor shall be reliable, accurate, timely in presentation, and in an agreed format and style that allows for ease of incorporation into the Employers Representative's Project control system.

2. Planning and Construction Programme

2.1 Submission

The Construction Programme shall be a time scaled bar chart with fully continuous logic that clearly highlights the critical path(s) throughout the network.

Within the time specified in the Contract, the Contractor shall submit for the Employer's approval, a Construction Programme which represents the sequencing and methodology accepted by the Employer's Representative at the time of award and includes the milestones and key events. The Construction Programme shall be generated using the Primavera Project Planner (P6) software package or Microsoft projects and submitted in both hard copy and native file format.

2.2 Activities

The Construction Programme shall break up the work under the Contract into identifiable, structured items of work ("activities"). Each activity shall:

- (a) Be at level 4;
- (b) Be an activity of work, not a piece of equipment;
- (c) Be readily measurable for progress;
- (d) Express the logical progression of the work;
- (e) Be suitable for critical path and dependency networking;
- (f) Be continuous from start to finish;

- (g) Be located in a single geographical area;
- (h) Generally be of a single "trade" or work content;
- (i) Be compatible with quality assurance plans;
- (j) Be fully resourced;
- (k) Be capable of producing commodity based reports; and
- (l) The sum total of all activities shall equate the work under the Contract.

2.3 Logic and Sequencing

The Construction Programme shall clearly indicate the logic and sequence of activities necessary to complete the work under the Contract, including but not be limited to:

- (a) Duration of each activity;
 - (b) Early start, early finish and total float of each activity;
 - (c) Activities that lie on the critical path(s) as determined by the network;
 - (d) Precedence relationships (logic) between activities;
 - (e) Subcontractor tendering, award and mobilisation processes;
 - (f) Activities to be completed by others which may affect the timely completion of the Works including;
 - i. Activities, dependent upon any other contractor engaged by the Employer; or
 - ii. Review time for required documentation such as specifications, drawings, procedures and calculations.
 - (g) Tie in activities to existing services and utilities;
 - (h) Statutory approval dates;
 - (i) Date for access to the Site;
 - (j) Date for access to follow-on contractors;
 - (k) Date for Key Events and Milestones;
 - (l) Date for Practical Completion of the Works or each Separable Portion;
 - (m) Manufacture and delivery durations for Contractor supplied equipment and materials, with ties to the respective installation activities;
 - (n) Activity durations shall be in working days, the programme calendar shall indicate public holidays, leisure days or other non-working days;
 - (o) Off Site and on-Site activities shall be clear and identifiable; and
 - (p) Calendar - the bar chart heading shall show the year, the month and the week.
- The bar chart shall commence on the date of Contract Award.

2.4 Construction Programme Resources

The Contractor shall submit histograms showing the direct labour required to complete the work under the Contract based on the approved Construction Programme.

The histograms shall be prepared from the schedule.

Equipment requirements / utilisation bar charts shall be submitted to the Employer for all Site plant and mobile equipment required to complete the work under the Contract.

2.5 Man-Hour Allocation

Scheduled Direct Labour Hours – Per Activity.

For each appropriate activity in the Construction Programme, the Contractor shall allocate the associated direct labour hours. Direct Labour Hours – Total.

The total of the direct labour hours per week shall be calculated after activities have been resource levelled. Direct Labour Workforce Histogram. The site workforce (direct labour only) scheduled per week shall be calculated from the direct labour hours and a histogram plotted.

2.6 Equipment Allocation

Special tools and mobile equipment shall be assigned to their respective activities. Shared equipment such as mobile equipment shall be allocated to level of effort activities within the Construction Programme.

2.7 Contractor 'S-Curve'

The Contractor shall submit progress S-Curves for the overall Contract and each of the phases of the Contract.

The S-Curves shall be based upon the distribution of man-hours where attainable from within the approved Construction Programme.

To generate the overall Contract S-Curve each of the phases shall be weighted according to the rand value of the phase.

All S-Curves shall be developed using the 'Earned Value Method'. This method applies a weighted value (WV) to all measurable components of the Works.

The reporting of progress for each component shall be in the form of earned value (EV), which is the physical percent progress of the component of the work.

2.8 Construction Programme Commodities

The Construction Programme site activities shall be loaded with applicable commodity quantities. Commodity curves shall be produced for forecast installation and actual installation quantities from this data and be in the same format as the S-Curves.

All units to be consistent with the units in the BoQ.

2.9 Approval of Construction Programme

The Contractor shall submit the proposed Baseline Construction Programme including a native copy of the programme in accordance with this specification.

The programme will be approved as the revision '0' Baseline Construction Programme. The Contractors progress, after award, will be measured against the revision '0' Baseline Construction Programme. It is therefore critical that the information supplied during tender stage is realistic, accurate and reliable to for a baseline programme.

T1.3 Evaluation Criteria

Clause	Tender Data																								
C3.21	Only bidders who have submitted and satisfy the following eligibility criteria will be evaluated further: Note: All documents submitted may be subject to verification for the successful bidder" 1. Stage One (1) – Administrative Requirements Bidders are to submit the documents with the bid. This is the assessment of compliance with the minimum Administrative Requirements as detailed below. No points or scores will be allocated in this criterion. <u>Non-compliance with any of these Administrative Requirements will not result in disqualification.</u> <table><tr><th>Description</th><th>Compliant</th><th>Non-Compliant</th></tr><tr><td>1) CIPC Registration Documents</td><td></td><td></td></tr><tr><td>2) Valid Tax Clearance Certificate / Tax Pin</td><td></td><td></td></tr><tr><td>3) Valid CSD report (Not older than three (3) months)</td><td></td><td></td></tr><tr><td>4) Valid Letter of Good Standing issued by the Department of Labour or RMA.</td><td></td><td></td></tr><tr><td>5) Valid UIF Compliance Certificate</td><td></td><td></td></tr><tr><td>6) Valid B-BBEE Certificate - SANAS Accredited for QSE (TASEZ to verify with SANAS)</td><td></td><td></td></tr><tr><td>7) Completed and Fully Signed SBD 1 In the case of a Joint Venture/ Consortium, the information of all entities (Members of the JV / Consortium) should be reflected on the SBD 1 Form.</td><td></td><td></td></tr></table>	Description	Compliant	Non-Compliant	1) CIPC Registration Documents			2) Valid Tax Clearance Certificate / Tax Pin			3) Valid CSD report (Not older than three (3) months)			4) Valid Letter of Good Standing issued by the Department of Labour or RMA.			5) Valid UIF Compliance Certificate			6) Valid B-BBEE Certificate - SANAS Accredited for QSE (TASEZ to verify with SANAS)			7) Completed and Fully Signed SBD 1 In the case of a Joint Venture/ Consortium, the information of all entities (Members of the JV / Consortium) should be reflected on the SBD 1 Form.		
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8) Completed and Fully Signed SBD 6.1		
9) Completed and Fully Signed SBD 6.2 – Non-submission will lead to a zero on the score for B-BBEE		

2. Stage Two (2) – Mandatory Requirements

The Bidder shall take note of the required returnable schedules that must be fully complied with and submitted with their tender submission. It is the responsibility of the Bidder to ensure that the information submitted is sufficient to evaluate their tender and design for the system.

Failure to submit all mandatory requirements as per C.2.1 will result in submissions being deemed null-and-void and shall be considered “non-responsive” and therefore not considered further.

3. Stage Three (3) – Functionality Criteria

Only bidders who obtain the minimum qualifying score for functionality will be evaluated further for price and Specific goals. The minimum qualifying score for functionality is **70 points**. The evaluation criteria for measuring functionality and the points for each criterion and, if any, each sub-criterion is as stated below. **Failure to meet the minimum threshold will result in the bid being disqualified and removed from any further consideration.**

3.1. Company Experience

Reference Letters	No. of Reference Letters	Points Claimable
The bidder must submit Three (3) reference letters signed by the Employer or Employer's Agent of the completed construction of roads and stormwater projects, with a minimum value of R20million including vat. These letters will be evaluated against: Scope Value Completion date These letters must therefore contain relevant information and should be on the referee's letterhead with contactable references (email and telephone numbers) The projects should have been completed within the past 10 years.	3 reference letters for a roads and stormwater project indicating the scope, value and completion date	20
	2 reference letters for a roads and stormwater project. indicating scope, value and completion date	14
	1 reference letters for a roads and stormwater project. indicating the scope, value and completion date	7
	No reference letter Of a roads and stormwater project indicating the scope, value and completion dates	0
Total Points Claimable		20

3.2. Company Experience for the City of Tshwane

References Letters	No. of Letters	Points Claimable
The bidder must submit One (1) reference letter signed by the Employer or Employer's Agent of the completed construction of roads and stormwater projects, with a minimum value of R20million including vat. These letters will be evaluated against: • Scope • Value • Completion date These letters must therefore contain relevant information and should be on the referee's letterhead with contactable references (email and telephone numbers) The projects should have been completed within the past 10 years	1 Reference of completed Roads and Stormwater for the City of Tshwane, indicating scope, value and completion date	10
	No reference provided indicating the scope, value and completion dates	0
Total Points Claimable		10
3.3. Company Key Personnel Experience – Provide Detailed CVs of all Key Resources The Bidder must submit proof of Key Personnel Experience in the form of CVs of the personnel. The bidders must submit information that covers the level of experience and the positions held by the key staff/personnel (Bidders must submit copies of CVs to make specific reference to the required experience, i.e. Construction of Roads and Stormwater) The CV must state the position held and the year started and ended, with a short description of the nature of work done in respect of each job assignment. Failing to provide as required, no points will be allocated		
Key Resources Experience – Bidder to provide names of resources)	Years of Experience	Points Claimable
Construction Manager with experience in Roads & Stormwater projects Name: _____	10 Years & above	10
	5 – 9 Years	5
	0 – 4 Years	0
Site Agent with experience in Roads & Stormwater projects. Name: _____	10 Years & above	5
	5 – 9 Years	3
	0 – 4 Years	0
	10 Years & above	5

Safety Officer/Manager with experience in construction projects Name: _____	5 – 9 Years	3
	0 – 4 Years	0
Site Foreman with experience in Roads & Stormwater projects. Name: _____	10 Years & above	5
	5 – 9 Years	3
	0 – 4 Years	0
Environmental Officer with experience in Construction projects Name: _____	10 Years & above	5
	5 – 9 Years	3
	0 – 4 Years	0
Total Points Claimable		30

3.4. Company Key Resources Qualifications – Bidders to attach Copies of the Qualifications

These are the same resources as per the above		
Key Resource	Qualifications	Points Claimable
Construction Manager (same resource as submitted in pre-qualification)	NQF level 9 in Civil Engineering + ECSA and SACPCMP Registration as a Professional	10
	NQF level 8 in Civil Engineering + ECSA and SACPCMP Registration as a Professional	5
	NQF level 7 in Civil Engineering + ECSA and SACPCMP Registration as a Professional	3
	No submission	0
Site Agent	NQF level 7 or Higher in civil engineering + ECSA / SACPCMP Registration as a Professional	5
	NQF level 6 in civil engineering + ECSA / SACPCMP Registration as a Professional	2
	NQF level 6 in the civil engineering	1
	No submission	0
Safety Officer/Manager (same resource as submitted in pre-qualification)	NQF level 7 or higher in Safety Management or Operational risk management + CHSO/CHSM with the SACPCMP	5
	NQF level 6 in Safety Management or Operational risk management+ CHSO/CHSM with the SACPCMP	3
	No submission	0
Environmental Officer	NQF level 7 or higher in Environmental Management/ Environmental Science	5
	NQF level 6 in Environmental Management/ Environmental Science	3
	No submission	0

Total Points Claimable		25
3.5. Project Methodology		
Project Implementation Methodology	Evaluation Indicators	Points Claimable
Bidder to submit a project implementation methodology that is specific to this scope of works for evaluation. The methodology must address the following: - - Draft Project Management Plan – The plan shall address the following as a minimum: - - Project Organogram that is specific to this project. This should be in line with the proposed key resources. - Management of construction work – Supervision, scope and cost management. - Sub-Contractor management processes / procedures / method statement - Risk Register with Significant Risks associated with the project including how these will be mitigated - Draft realistic Project schedule to at least WBS level 3 - Health and Safety Plan in accordance with the TASEZ's Health and Safety Specifications - Environmental Plan in accordance with the EMPR for Ext 11,12 & 13 - Quality Management Plan - Bidders shall submit a draft project quality plan that is specific to the scope of work as described in the tender documents. - Bidders shall submit samples of the following for a similar or engineering construction project: - - Signed Quality Manual - Signed Quality Policy - Quality Control Plan (QCP) - Inspection and Test Plans (ITP) - Proposed Databook Index	Excellent understanding of what is required. The important issues are approached in an innovative and efficient way, indicating that the Tenderer has outstanding knowledge of the approaches. The approach methodology details ways to improve the project outcomes and the quality of the outputs. The methodology incorporates detailed information.	15
	Good understanding of what is required. The approach is specifically tailored to the specific project objectives, scope and requirements and is sufficiently flexible to accommodate changes that may occur during execution.	10
	Partial understanding of what is required. The approach is generic and partially tailored to the specific project objectives and requirements. The approach partially deals with the critical characteristics of the project.	5
	Poor understanding of what is required or no submission. The technical approach and/or methodology is poor and does not provide project-specific objectives. The Tenderer has misunderstood certain aspects of the scope of work and does not deal with the critical aspects of the project.	1

		No Submission	0								
Total Points Claimable for Project Methodology			15								
The minimum threshold points for functionality are 70 points out of 100 and any bidder scoring less than 70 points will not be considered for further evaluation. Bidder to address and respond to all areas of the evaluation criteria. Any bid scoring less than the Minimum required in any one or more of the above-mentioned evaluation criteria will not be evaluated further. Any bid not covering all of the above will not be evaluated. For the purpose of comparison and in order to ensure a meaningful evaluation, Service Providers are requested to furnish detailed information in substantiation of compliance with the evaluation criteria mentioned above. 4. Stage Four (4) – Price and Specific Goal Only bidders that achieve the minimum qualifying score of 70 points for functionality will be evaluated further in accordance with the 80 (Price) and 20 (Specific Goals) as described in the Preferential Procurement Regulations 2022. <table><tr><th>Evaluation Criteria</th><th>Final Weighted Scores</th></tr><tr><td>Price</td><td>80</td></tr><tr><td>Specific Goal - Scorecard</td><td>20</td></tr><tr><td>Total Score</td><td>100</td></tr></table> 5. Stage Five (5) – Post Tender Negotiations (If applicable) 6. Stage Six (6) – Recommendation of Bidder (All applicable internal TASEZ processes) 7. Stage Seven (7) – Tender Award				Evaluation Criteria	Final Weighted Scores	Price	80	Specific Goal - Scorecard	20	Total Score	100
Evaluation Criteria	Final Weighted Scores										
Price	80										
Specific Goal - Scorecard	20										
Total Score	100										
C3.22	Amendments to the Contract Data and alternative offers will not be considered.										
C3.23	Each tender offer shall be in the English Language										
C3.24	The TASEZ Procurement Policies and Procedures shall apply.										
C3.25	Bids will be opened in public as soon as after the closing time and TASEZ shall not, at the opening of bids, disclose to any bidder any confidential information pertaining to the bidder's offers/information received, i.e., pricing, delivery, etc. A submission register will be published on the TASEZ website.										
C3.26	Functionality will be used as one of the evaluation criteria and the set threshold to qualify for the next stage of the evaluation process is 70 points .										

Additional Information Required.

1. Tenderers must complete and sign Form SBD 6.1 preference points claim form in terms of the Preferential Procurement Regulations 2022.
2. Access/Ownership (availability) of plant and equipment.
In case of hiring a key plant, a letter confirming the willingness of the hirer to hire equipment to the tenderer must be attached and submitted with this bid.
3. Bidders must provide the following functionality assessment documents.
 - a) The execution of this project in the form of confirmed credit lines with a banking institution and letters of confirmation of supplier credit. Bank letters that only provide an Alphabetical Rating will not be considered. For a Bank letter to be considered it must contain a Rand value that the Contractor is "good for".
 - b) Proof of office establishment in the name of the Principal Entity or Lead Joint Venture Entity, where applicable as evidence to demonstrate locality in the form of a title deed in the name of the bidder, municipal invoice in the name of the bidder or lease agreement in the name of the bidder.

Qualitative Assessment

The Qualitative / Risk Assessment will be conducted on the responsive bidders who passed the quantitative assessment. The main aim of this assessment is to undertake a risk analysis to ascertain that there are no adverse risks in making an award to a particular bidder.

The following criteria constitute "objective criteria" in terms of 2(f) of the Preferential Procurement Policy Framework Act, Act 5 of 2000, and will be used to pass over a bidder for consideration for the award of a contract:

(a) Performance reports for previous projects:

Performance reports for projects previously undertaken by the contractor will be reviewed and those bidders with negative performance reports will be passed over. Where the bidder has previously undertaken work for TASEZ, internal reports will be obtained. Where these are inconclusive, external reports will be requested.

(b) Listing on the National Treasury Register of Tender Defaulters and/ or the National Treasury Register of Restricted Bidders:

Where a bidder or a director/ member of the bidder appears on either one of the National Treasury Registers, the bidder will be passed over.

(c) Listing on TASEZ's "Bad Performer List":

Where a bidder has failed to perform on a previous TASEZ Contract and has been listed on TASEZ's "Bad Performer List", the bidder will be passed over.

(d) Previous Contract terminated by an Organ of State in the last 5 years:

Where a bidder has had a contract terminated by an organ of state in the last five years on account of failure to perform or non-compliance with the contract, the bidder will be passed over.

(e) Conviction for Fraud or Corruption:

Where a bidder or director/ member of the bidder has been convicted by a court of law for fraud and/ or corruption, the bidder will be passed over

The top three (3) highest scoring bidders will be evaluated on qualitative assessment to determine the acceptable tender price and to ascertain other possible risks pertaining to the bidder's capacity, past performance, and risks i.e. financial etc.

- (a) The Priced Bills of Quantities will be scrutinised to check for any arithmetical errors, and if found will be communicated to the respective bidder(s) to gain acknowledgement and to confirm if the tendered price remains valid.
- (b) Tender offers will also be compared against cost estimates as well as the market average to confirm if the tender offers are market-related with no risks around the pricing.
- (c) The bidders will also be checked against the National Treasury Database of restricted suppliers as well as the National Treasury tender defaulters listing.
- (d) Bidders may be called for a clarification meeting to discuss any risk identified, rates and the pricing methodology.

Volume 2: The Contract

Part C3: Scope of Work

C3.1: Description of the Works

C3.1.1 Employer's Objectives

The Employers main objective is to construct Roads, stormwater, sewer, water and upgrade road intersections that strictly complies with the City of Tshwane's (CoT) standards for the Tshwane Automotive Special Economic Zone (TASEZ).

The project is located on the Remainder of Portion 601 (a portion of Portion 89) of the farm The Willows 340 JR, in the City of Tshwane Metropolitan Municipality. The site is located within the SAMCOR Park Industrial area, between the Waltloo and Nellmapius townships. The road works will be cutting through SAMCOR PARK extension 11,12 &13.

C3.1.2 Overview of the Works

The proposed TASEZ Development consists of constructing infrastructure and buildings for manufacturing and warehousing industries, however the scope of works included in this phase consists the construction of bulk Roads, stormwater, sewer, water and upgrade road intersections to service the site and strengthen the CoT's network.

The project includes the Construction of Roads, stormwater, sewer, water and various upgrades to surrounding intersections as indicated on design drawings.

It is expected that other services might also intersect with the excavations and that the contractor shall take care not to damage the existing services. Other services may include telecommunication cables, electrical cables, sewer and stormwater pipes. etc

During the implementation of this project, it is expected that there should be minimal disruption to all other services.

Environmental compliance and management including rehabilitation after construction shall be part of the scope of work for this Contractor.

The contractor must ensure that open excavations is appropriately barricaded, and it does not pose any danger to the community.

Additionally, the Contractor must allow for sufficient security to guard against potential existing services theft along the scope of works.

The contractor shall note that no stockpiling of materials, plant, excavated material or any other construction related infrastructure shall be allowed in locations that may interfere with the operations of the Employer, other contractors, and the public in general.

C3.1.3 Extent of the Works

The scope of works will include but is not limited to the following activities:

Construction of the Bulk Roads Infrastructure:

- (a) Temporary works
- (b) Dealing with traffic
- (c) Site clearance
- (d) Demolish and remove existing structures
- (e) Relocation of existing services
- (f) Earthworks
- (g) Construction of Subbase
- (h) Construction of Base
- (i) Asphalt Base and surfacing
- (j) Segmented paving (walkways)
- (k) Concrete kerbing and channelling
- (l) Ancillary Roadworks road signs and
- (m) Supply and install cable ducts

Stormwater works:

- (a) Site clearance
- (b) Earthworks (Pipe Trenches)
- (c) Provision of bedding
- (d) Stormwater Drainage

Water Supply works:

- (a) Excavations (Pipe trenches)
- (b) Pipe bedding
- (c) Medium pressure pipelines

Sewer works:

- (a) Site Clearance
- (b) Excavation (pipe trenches)
- (c) Pipework
- (d) Bedding

Upgrading of three Intersections: Simon Vermooten & Alwyn, Watloo & Simon vermooten and Watloo- Stormvoel:

- (a) Accommodation of traffic and existing services
- (b) Site Clearance
- (c) Earthworks (Roads & subgrade)
- (d) Subbase
- (e) Base
- (f) Asphalt base and surfacing
- (g) Segmented paving (walkways)
- (h) Concrete kerbing and channelling
- (i) Road signs and markings
- (j) Cable ducts
- 1) Compile as-built drawings

C3.1.4 Location of Works

Temporary works expected during construction include:

- 1) Site Establishment: inclusive of temporary electrical and water connections, Contractor's offices, storage sheds, toilet facilities and barricading of Works.
- 2) Contractor's yard shall be located in an approved position and subject to the approval of all authorities concerned
- 3) The camp shall be adequately guarded during and outside working hours
- 4) Safety and security of the Contractors' temporary works shall be at the Contractors' discretion, but always in accordance with stipulated Occupational Health and Safety requirements.
- 5) Protection/barricading of excavations such as pipe trenches
- 6) Search for, expose, protect and backfill existing services
- 7) Relocation of existing services
- 8) Where applicable, Temporary pipe bypass systems at residential site to continue supply to consumers as required

- 9) Accommodation of public and construction traffic: Be such to ensure no or limited interruption to vehicular and pedestrian traffic
- 10) Accommodation of other contractors and service providers
- 11) Shoring and dewatering of excavations (where required): Provide temporary drainage works, temporary pumps and other equipment as may be necessary for the protection, draining and dewatering of the works
- 12) Stormwater: Be such that existing storm water flow shall not be impeded during survey and construction activities.
- 13) Environmental management and compliance
- 14) Site establishment & protection measures
- 15) Soil, erosion & stormwater controls
- 16) Waste & pollution control
- 17) Vegetation & biodiversity management
- 18) Watercourse / wetland-related measures (where applicable)
- 19) Post-construction & close-out
- 20) Provide temporary drainage works, temporary pumps and other equipment as may be necessary for the protection, draining and dewatering of the works

C3.2: Engineering Works

C3.2.1 Design Services and Activity Matrix

Works designed by, per design stage:

Concept, feasibility and overall Process	Engineer
Engineering and detail layout to tender stage	Engineer
Final design to be approved for construction stage	Engineer
Temporary works:	Contractor
Preparation of as-built drawings	Contractor/Engineer

- (a) The Engineer is responsible for the design of the permanent Works as reflected in the Contract Documents unless otherwise stated.
- (b) The Contractor is responsible for the design of the temporary Works and their compatibility with the permanent Works.
- (c) The Contractor shall supply all details necessary to assist the Engineer in the final compilation of the as-built drawings.

C3.2.2 Employer's Design

The Employer will be represented **by Civil Concepts (Pty) Ltd** to undertake the design and documentation on their behalf. Civil concepts will act as the Engineer for the purposes of this Contract No. RFP/27/2025. The final design and working drawings will be issued to the successful bidder, to carry out the works in accordance with the contract document, drawings and relevant specifications.

C3.2.3 Drawings

The drawings listed below are included in Annexures and will be provided on the websites will be made available to the bidders.

Construction drawings will, in terms of the specifications and the Conditions of Contract for Construction (FIDIC 2017), be issued to the Contractor by the Engineer on the commencement date and from time to time as required.

Table 4: List of Tender Drawings

Drawing No.	Drawing No.	Status
C3223-11-900-001	TEST PIT LAYOUT	Tender
C3223-11-M910-001	MUNICIPAL ROAD LAYOUT KEY PLAN	Tender
C3223-11-M910-002	MUNICIPAL ROAD LAYOUT HYDROLOGY & SEFATANAGA STREET (2 OF 5)	Tender
C3223-11-M910-004	MUNICIPAL ROAD LAYOUT SIMON VERMOOTEN & WATLOO RD (M14) (4 OF 5)	Tender
C3223-11-M910-003	MUNICIPAL ROAD LAYOUT ALWYN & SIMON VERMOOTEN RD (3 OF 5)	Tender
C3223-11-M910-005	MUNICIPAL ROAD LAYOUT WATLOO RD(M14) & STORMVOEL RD (5 OF 5)	Tender
C3223-11-M910-010	ROAD SIGNS LAYOUT HYDROLOGY & SEFATANAGA STREET	Tender
C3223-11-M910-012	ROAD MARKING & STUD LAYOUT HYDROLOGY & SEFATANAGA STREET (2 OF 2)	Tender
C3223-11-M910-020	AFFECTED SERVICES LAYOUT ALWYN & SEFATANAGA STREET (1 OF 4)	Tender
C3223-11-M910-021	AFFECTED SERVICES LAYOUT ALWYN & SIMON VERMOOTEN RD (2 OF 4)	Tender
C3223-11-M910-022	AFFECTED SERVICES LAYOUT SIMON VERMOOTEN & WATLOO RD (3 OF 4)	Tender
C3223-11-M910-011	ROAD MARKING & STUD LAYOUT HYDROLOGY & SEFATANAGA STREET (1 OF 2)	Tender
C3223-11-M910-023	AFFECTED SERVICES LAYOUT WATLOO & STORMVOEL RD (4 OF 4)	Tender
C3223-11-M911-001	MUNICIPAL ROADS LONGITUDINAL SECTION SEFATANAGA STREET	Tender
C3223-11-M911-002	MUNICIPAL ROADS LONGITUDINAL SECTION HYDROLOGY STREET	Tender
C3223-11-M912-001	SEFATANAGA STREET CROSS SECTION (0 - 280)	Tender
C3223-11-M912-002	HYDROLOGY STREETS CROSS SECTION (20 -507)	Tender
C3223-11-M912-003	ROADS LAYOUT & CROSS SECTIONS ALWYN & SIMON VERMOOTEN RD (PH1)	Tender
C3223-11-M912-003A	ROADS LAYOUT & CROSS SECTIONS ALWYN & SIMON VERMOOTEN RD (PH1)	Tender
C3223-11-M912-003B	ROADS LAYOUT & CROSS SECTIONS ALWYN & SIMON VERMOOTEN RD (PH2)	Tender
C3223-11-M912-004	ROADS LAYOUT & CROSS SECTIONS SIMON VERMOOTEN & WATLOO RD	Tender
C3223-11-M912-005	ROADS LAYOUT & CROSS SECTIONS WATLOO RD & TSAMAYA AVENUE	Tender
C3223-11-M913-001	TYPICAL SERVICES & PAVEMENT DESIGN 20M & 25M ROAD RESERVE	Tender
C3223-11-M913-002	ROAD WIDENING PAVEMENT DESIGN & KERB DETAILS	Tender
C3223-11-M915-001	NMT LAYOUT SEFTANAGA & HYDROLOGY STREET	Tender
C3223-11-M915-002	NMT LAYOUT SEFTANAGA & HYDROLOGY STREET (RAMP 1 - 12)	Tender
C3223-11-M915-003	NMT LAYOUT SEFTANAGA & HYDROLOGY STREET (RAMP 13 - 17)	Tender
C3223-11-M915-004	NMT LAYOUT & RAMP DETAIL ALWYN & SIMON VERMOOTEN ROAD	Tender
C3223-11-M915-005	NMT LAYOUT & RAMP DETAIL SIMON VERMOOTEN & WATLOO ROAD	Tender
C3223-11-M915-006	NMT LAYOUT & RAMP DETAIL WATLOO ROAD & TSAMAYA AVE	Tender
C3223-11-M920B-001	STORMWATER LAYOUT	Tender
C3223-11-M920B-002	STORMWATER CATCHMENT LAYOUT	Tender
C3223-11-M921-004	STORMWATER LONGITUDUNAL SECTION INLET 1	Tender
C3223-11-M921B-001	STORMWATER LONGITUDUNAL SECTION SW 1	Tender
C3223-11-M921B-002	STORMWATER LONGITUDUNAL SECTION SW LINE 2,3,4 & 6	Tender
C3223-11-M921B-003	STORMWATER LONGITUDUNAL SECTION SW LINE 5 & 7	Tender
C3223-11-M922-001	TYPICAL JUNCTION BOX DETAIL (DEEPER THAN 2,0 TO 3,0)	Tender
C3223-11-M922-002	STORMWATER OUTLET DETAILS OUT 24	Tender
C3223-11-M922-003	STORMWATER OUTLET DETAILS OUT 23	Tender
	SEWER LAYOUT PLAN	Tender
	WATER LAYOUT PLAN	Tender
	WATER FITTINGS SCHEDULE	Tender
C3223-11-TA-001	TRAFFIC ACCOMODATION ALWYN & SEFATANAGA STREET	Tender
C3223-11-TA-002	TRAFFIC ACCOMODATION ALWYN & SIMON VERMOOTEN (PHASE 1)	Tender
C3223-11-TA-002A	TRAFFIC ACCOMODATION ALWYN & SIMON VERMOOTEN (PHASE 2)	Tender
C3223-11-TA-003	TRAFFIC ACCOMODATION SIMON VERMOOTEN & WATLOO RD	Tender
C3223-11-TA-004	TRAFFIC ACCOMODATION WATLOO & STORMVOEL RD (PHASE 1)	Tender
C3223-11-TA-004A	TRAFFIC ACCOMODATION WATLOO & STORMVOEL RD (PHASE 2)	Tender
C3223-WAY-011	WAYLEAVE SITE NAMEBOARD	Tender
C3223-WAY-012	WAYLEAVE SITE NAMEBOARD	Tender

C3.3: Preferential Procurement.

C3.3.1 Employment of Local Labour

It is the intention that this Contract should make maximum use of the local labour force that is presently under-employed. To this end, the Contractor shall limit the utilisation on the Contract of non-local employees to that of key personnel only and to employ and train local labour to the extent necessary for the execution and completion of this Contract. Annexure 8 - TASEZ Employment Relations Policy has been attached in this bid

The Contractor shall fill in the form entitled Proposed Key Personnel in the Forms to be completed by the Tenderer. The data stated on the above-mentioned form will be strictly monitored during the Contract period and any deviations therefrom shall be subject to the prior approval of the Engineer, which approval shall not be unreasonably withheld.

C.3.3.2 Monthly Reporting Requirements

A monthly Labour report will be required by the 15th of each month supported by the following proof of evidence:

- Project – based information (Data Collection Tool)
- Contracts of Employment
- Certified ID Documents
- Attendance Registers/Time Sheets

C3.4: Construction

C3.4.1. Works Specification

C3.4.1.1. Applicable SABS 1200 Standardised Specifications for Civil Engineering applicable to this project are listed in C3.6

C3.4.1.2. Applicable National and International Standards

For the purpose of this Contract “SABS” is to be replaced by “SANS”. The latest issues of the Standard Specifications for Civil Engineering Construction applicable at the date of tender advertisement, shall apply -

The term “project specifications” appearing in any of the SANS 1200 standardised specifications must be replaced with the term “scope of work”.

Variations and additions to the SANS 1200 Standardized Specifications and are listed in C3.6.2.

C3.4.2. Plant and Materials

C3.4.2.1 Plant and Materials Supplied by the Employer
None.

C3.4.2.2 Materials, Samples and Shop Drawings

The Manufacturers of the pipes, valves and fittings must be SANS accredited and the certificate of accreditation must be provided to the

Engineer for approval before a final order is placed. All manufactured materials supplied shall be new materials unless the contrary is specified. All materials specified in accordance with SANS Specifications shall bear the SANS mark, whether so specified or not.

The Contractor shall, when so ordered, deliver to an approved testing laboratory, samples of materials to be used in the Works. No laboratory for use by the Engineer will be required. However, the Contractor shall provide and maintain his own equipment to do all the soil and density tests required to enable him to fulfil his obligations in terms of the specifications in this regard. The cost of other control tests required to be done by the Engineer shall be paid for from the Provisional Sum allowed in the Bills of Quantities for this purpose.

Should the Contractor wish to utilise any materials other than those specified on the working drawings or specified in the standard specifications, project specifications or Bill of Quantities, the Contractor will be required to submit to the Engineer in writing requesting the use of the alternative material. This written request must be accompanied by sufficient information (test results, comparative tests, certificates etc.) to enable the Engineer to make an informed decision.

All manufactured materials supplied shall be new materials unless the contrary is specified. All materials specified in accordance with SANS Specifications shall bear the SANS mark, whether so specified or not.

The Contractor shall ensure that the work is not delayed due to the lack of materials on Site, by placing orders for material required under this Contract as soon as possible. No extension of time will be allowed for any delay due to the supply of materials.

The quantities set out in the Bill of Quantities have been carefully determined from calculations based on data available at the time of its compilation and should therefore be considered to be approximate quantities only. Before ordering materials of any kind the Contractor shall check with the Engineer whether or not the scope of the work for which the materials are required is likely to change substantially. No liability or responsibility whatsoever shall be attached to the Employer for materials

ordered by the Contractor except when ordered in accordance with written confirmation issued by the Engineer.

C3.4.3. Construction Equipment

C3.4.3.1 Requirements for equipment

The Contractor must ensure that plant and equipment as tendered in the Returnable Documents are in good working order and are utilised for their intended purposes, and that the plant and equipment are insured against all eventualities. All equipment must comply with the requirements as stipulated in the Environmental regulations and specifications and contained in the OHS Act.

C3.4.3.2 Equipment Provided by the Employer

None

C3.4.4. Existing Services

C3.4.4.1. Known Services

Certain of the Works to be constructed under this Contract are in close proximity to existing works, structures, and equipment. This will necessitate great care being taken by the Contractor when constructing the Works to be carried out under this Contract.

Information will be supplied to the Contractor by the Engineer indicating the approximate positions of these services and the Contractor will be expected to locate these by hand excavation before any excavation operations commence. Any problems encountered shall be immediately brought to the attention of the Engineer.

The Contractor shall take all necessary steps to ascertain the location of existing services before commencing any section of the Works and shall exercise the greatest care when working in the vicinity of such services. No more than three weeks and not less than one week before commencing his operations in any particular area, the Contractor shall request the latest available drawings showing the location of services already installed.

In addition, certain items of work are required to be connected to existing works. The new work must therefore be coordinated and arranged in such a manner so as to cause minimum interference with the existing work and must also be carried out so as to match and blend in with the existing work.

No additional payment will be made for the care required or for any additional costs incurred by the Contractor when constructing in the proximity of existing works or survey pegs, etc., nor will payment be made for connecting any new works to existing works, except where specifically allowed for in the Bill of Quantities. The Contractor must therefore allow for all such costs in his tendered rates in the Bill of Quantities.

C3.4.4.2. Treatment of Existing Services

Where existing services are either indicated on drawings supplied to the Contractor or indicated on site, or in the course of excavation the Contractor shall lay bare any water mains, acid mains, pipes, cables, telegraph cables or telephone poles, or any existing structures, these shall be severely shored, strutted or slung and sufficiently protected to ensure that no damage shall be done to them until filling has been placed around them.

In the case of electric and communication cables, if these shall be exposed in the course of excavation, the Contractor shall not refill the excavation around such cables until the cables have been inspected and passed as intact by their respective owners. The costs of exposing these services, protecting, maintaining and repairs necessitated by damage caused by the Contractor must be included in the rates measured as specified in Sub-Clause 8.3.2(a) of SANS 1200 DB.

C3.4.4.3. Reinstatement of services and structures damaged during construction

The Contractor shall take all necessary steps to protect any existing works whatsoever against damage which may arise as a result of his operations on Site. The Contractor shall bear the cost of the repair of damage to any service, the possible existence of which could reasonably have been ascertained by him in good time.

Where the Contractor is responsible for damage for which repairs have to be carried out by an outside authority, the costs of these repairs will be recovered by means of a deduction from the Contractor's Payment Certificate. The Employer will attend to the payment of monies due to outside authorities.

C3.4.5. Site Establishment

C3.4.5.1 Service and Facilities Provided by the Employer

C3.4.5.1.1 Source of Water Supply

The Contractor may make an application to the City of Tshwane's Water Division for a clean water supply point but shall bear all the costs for the installation of such supply point. Water used by the Contractor from the Employer's mains will be charged for at the tariffs ruling at the time of use.

The Contractor shall make himself thoroughly acquainted with the regulations relating to the use of water and shall take adequate measures to prevent the wastage of water.

The Employer accepts no responsibility for the shortage of water due to any cause whatsoever, nor additional costs incurred by the Contractor as a result of such shortage.

The Contractor shall take note that no direct payment will be made for any costs incurred from the provision of a water supply point or for the cost of water drawn. Payment for the aforementioned shall be deemed to be covered by the rates and prices tendered and paid for the various items of work included under the Contract.

C3.4.5.1.2 Source of Power Supply

The Contractor shall make his own arrangements concerning the supply of electrical power at the contractor's campsite. No direct payment shall be made for the provision of electrical services. Electrical power cannot be guaranteed by the service provider. During power failures, load shedding and other shortages, the Contractor must make his own arrangements for the provision of electricity.

The rates tendered for the relevant items in the Preliminary and General Sections of the schedule shall include all costs for the establishment and maintenance of a power supply to the works and camp.

C3.4.5.1.3 Location of Camp and Materials Storage Area

The Site of the Works is restricted, and the Employer has no suitable areas available where the Contractor may erect offices, workshops, stores and other facilities that he requires for the purposes of the Contract. The Contractor shall, at his own cost, be responsible for locating and making all

arrangements necessary for securing an area suitable to meet his needs in respect of the erection of the Contractor's offices, stores and other facilities, including the facilities to be provided for the Engineer in accordance with the Contract.

Any potential area proposed by the Contractor shall be within reasonable proximity to the Site of the Works and its location shall be subject to the approval of the Engineer, which approval shall not be unreasonably withheld.

The Contractor shall confine his camp and storage of materials to the approved areas. On completion of the construction works the surface of the areas utilised shall be left in a neat and presentable manner.

C3.4.5.1.4 Excrement Disposal

The Contractor shall, at his own expense, be responsible for safely and hygienically dealing with and disposing of all human excrement and similar matter generated on the Site during the course of the Contract, to the satisfaction of the responsible health authorities in the area of the Site and the Engineer. All such excrement shall be removed from the Site and shall not be disposed of by the Contractor on the Site.

The Contractor shall further comply with any other requirements in this regard as may be stated in the Contract.

No separate payment will be made to the Contractor in respect of discharging his obligations in terms of this subclause and the costs thereof shall be deemed to be included within the Contractor's tendered Preliminary and General items.

C3.4.5.2 Facilities Provided by the Contractor

The Contractor shall provide on the Site, for the duration of the Contract and for the exclusive use of the Engineer and/or his Representative (as applicable), the various facilities described hereunder. All such facilities shall be provided promptly on the commencement of the Contract and failure on the part of the Contractor to provide any facility required in terms of this specification shall constitute grounds for the Engineer to withhold

payment of the Contractor's tendered Preliminary and General items until the facility has been provided or restored as the case may be.

The Contractor shall provide security watchmen for the contract as he deems fit at no extra cost for the Employer. The Contractor must ensure that all his employees as well as the employees of his subcontractors are able to identify themselves as members of the construction team.

C3.4.5.2.1 Offices

The Contractor shall provide on the Site, one office that can accommodate at least 2 persons for the exclusive use of the Engineer. One toilet should also be provided. Such office shall comply with and be furnished in accordance with the requirements of subclause 3.2 of SANS 1200 AB. The Contractor shall maintain the office in accordance with the requirements of subclause 5.2 of SANS 1200 AB.

Such office accommodation shall be provided within the Contractor's site establishment facilities.

C3.4.5.2.2 Carports

The Contractor shall provide on Site two carports for the exclusive use of the Engineer, in accordance with the requirements of subclause PSAB 3.3 of section C3.6 of the scope of Works.

C3.4.5.2.3 Site Meeting Venue

The Contractor shall provide within his own site establishment facilities, a suitably furnished office or other venue capable of comfortably accommodating a minimum of twenty-five (25) persons at site meetings. The Engineer shall be allowed free use of such venue for conducting any other meetings concerning the Contract at all reasonable times.

C3.4.5.2.4 Telephone Facilities

The Contractor shall provide two cellphones and associated service contracts from a reputable cellular service provider. The Contractor shall further insure the cellphones against loss or damage from whatever cause arising and shall ensure that all Cellphone accounts are promptly paid on the due dates for payment. The Contractor shall further, at his own cost, ensure the prompt repair of all Cellphones provided under this clause, when reasonably required by the Engineer.

C3.4.5.2.5 Computer Facilities

N/A

C3.4.5.2.6 Printer/Copy/Scanning Facilities

The Contractor shall, in accordance with the requirements of SANS 1200 AB (as amended), provide printing/copying/scanning facilities together with the necessary driver software, for the exclusive use of the Engineer and his staff.

A single (combined) device or separate devices may be provided. The facilities provided shall be capable of making both A4 and A3 size prints and copies in black and white, and permit scanning of images up to A3 size.

All the requisite connecting cables and all interfacing devices and software necessary for its efficient operation as an integral system shall be provided and installed for the Engineer's site personnel.

All equipment provided shall be kept fully serviceable at all times by the Contractor. The Contractor shall have any defective equipment repaired or replaced at his own cost within 12 hours after notification by the Engineer's staff.

The Contractor shall further provide at his own cost, all paper, ink cartridges and other consumables reasonably required by the Engineer.

C3.4.5.3 Storage and Laboratory Facilities

The Contractor shall provide sheds for storage of materials and offices for his own use as required. The Contractor may establish his own laboratory on site or he may employ the services of an independent commercial laboratory. Whatever method is used, the contractor must submit the results of tests carried out on materials and workmanship when submitting work for acceptance by the Engineer. The costs for these tests shall be deemed to be included in the relevant rates and no additional payment will be made for testing as required.

C3.4.5.4 Other Facilities and Services

The Contractor must arrange for his own services on site as stipulated in C3.4.5.1. No housing facilities are available for the Contractor's employees,

and the Contractor shall make his own arrangements to house his employees and to transport them to Site.

C3.4.5.5 Vehicles and Equipment

None.

C3.4.5.6 Advertising Rights

No advertising will be permitted without the express written consent of the Employer.

C3.4.5.7 Name Boards

The name board required shall be as per the detail provided by the Engineer.

C3.4.6 Site Usage

The contractor will not have exclusive access to the site, therefore, the Contractor shall note that no stockpiling of materials, plant, excavated material or any other construction-related infrastructure shall be allowed in locations that may interfere with the operations of the Employer, other contractors, and the public in general.

The development site will require other contractors to execute their construction activities during the same time period, which may include road construction, powerlines, platforms, stormwater, and sewer networks.

C3.4.7 Permits and Way Leaves

The Contractor shall be responsible for obtaining all the way leaves required for this Contract. The Contractor shall apply for the relevant Construction permit from the Department of Labour.

C3.4.8 Water

The Contractor shall, at his own expense, be responsible for obtaining and distributing all water as may be required for the purposes of executing the Contract, including water for both construction purposes and domestic use, as well as for making all arrangements in connection therewith. The Contractor shall further, at his own expense, be responsible for providing all necessities for procuring, storing, transporting and applying water required for the execution of the Contract, including but not limited to all piping,

valves, tanks, pumps, meters and other plant and equipment, as well as for all work and superintendence associated therewith.

The sources of all water utilised for the purposes of the Contract shall be subject to the prior approval of the Engineer, which approval shall not be unreasonably withheld.

The Contractor shall comply with all prevailing legislation in respect of drawing water from natural and other sources and shall when required by the Engineer, produce proof of such compliance. The distribution of water shall be carried out by the Contractor strictly in accordance with the applicable laws and regulations.

All water provided by the Contractor for construction purposes shall be clean, free from undesirable concentrations of deleterious salts and other materials and shall comply with any further relevant specifications of the Contract. The Contractor shall, whenever reasonably required by the Engineer, produce test results demonstrating such compliance. Water provided by the Contractor for human consumption shall be healthy and potable to the satisfaction of the health authorities in the area of the Site.

No separate payment will be made to the Contractor for the obtainment, distribution and consumption of water, the costs of which will be deemed to be included in the Contractor's tendered rates.

C3.4.9 Survey Control and Setting Out of the Works

C.3.4.9.1 Setting out Information

The Contractor will be provided with the setting out control data which was used in the setting out of the works and the Contractor will be entirely responsible for the correct setting out of all services on the Contract.

C.3.4.9.2 Reference Marks

The Contractor will have the responsibility of referencing each and every setting out peg on the Contract, in a position such that the reference pegs will not be disturbed by his operations on the site, and to safeguard and maintain such reference pegs until the completion of the Works.

The Contractor shall provide the Engineer with a record of the position of the reference pegs, and he shall assist the Engineer throughout the

Contract in the checking of the setting out of the Works, using these reference pegs.

C.3.4.9.3 Survey beacons (*Read with SANS 1921 - 1: 2004 Clause 4.15*)

The Contractor shall take special precautions to protect all permanent survey beacons or pegs such as stand boundary pegs and trigonometric beacons, regardless of whether such beacons or pegs were placed before or during the execution of the Contract. If any such beacons or pegs have been disturbed by the Contractor or his employees, the Contractor shall have them replaced by a registered land surveyor at his own cost.

C3.4.10. Construction in Restricted Areas

Working space is sometimes restricted. The construction method used in these restricted areas largely depends on the Contractor's Plant. Notwithstanding, measurement and payment will be strictly according to the specified cross-sections and dimensions irrespective of the method used, and the rates and prices tendered will be deemed to include full compensation for any difficulties encountered by the Contractor while working in restricted areas. No extra payment or any claim for payment due to these difficulties will be considered.

C3.4.11 Drawings

C3.4.11.1 Figured Dimensions to be used

The Contractor shall use only the dimensions stated in figures on the Drawings in setting out the Contract Works, and dimensions shall not be scaled from the Drawings unless required by the Engineer. The Engineer must be notified immediately should the Contractor notice any discrepancies in dimensions in setting out the works. The Engineer will, on the request of the Contractor in accordance with the provisions of the Conditions of Contract, provide such dimensions as may have been omitted from the Drawings.

C3.4.12 Trenches

No trenches may be left open during the Contractor's Holidays during December and January. All trenches which have been excavated but which have not been finally backfilled and compacted at the commencement of the said holiday period shall be temporarily fully backfilled and compacted to a standard which will:

- (a) prevent damage occurring to the trenches or any other part of the Contract Works
- (b) prevent damage to or physical loss of the property of any person
- (c) eliminate the risk of injury to any person during the said period.

All costs involved in the temporary backfilling and compaction of such trenches and the subsequent reopening of the trenches after the holiday period shall be for the Contractor's account.

C3.4.13 Change In Scope of the Works

The Employer reserves the right to amend the quantities and scope of works (increase or decrease quantities) prior to the award of the Contract and signing of Contract Agreement. These amendments will be finalised in consultation with the Contractor.

C3.4.14 Community Liaison and Community Relations

In all dealings with the various communities and workers employed from within the communities, the Contractor shall take due cognisance of the character, culture and circumstances of the communities involved and shall at all times use his best endeavours to avoid the development of disputes and to foster a spirit of co-operation and harmony towards the Contract.

The Contractor shall at all times keep the Engineer fully informed on all matters affecting the Contract and the communities and shall attend all meetings of the Community Liaison Committee as may be reasonably required by the Engineer. All matters concerning the communities shall be discussed and, where possible, resolved at such meetings.

Where any resolution of the Community Liaison Committee may be contrary to the terms and provisions of the Contract, the Contractor shall not give effect to them without a prior written instruction from the Engineer. Where the Contractor is of the opinion that any instruction of the Engineer issued in terms of this clause will result in him incurring additional costs which have not been provided for in his tendered rates and prices, and/or that a delay in the progress of the Contract Works will result, he will be entitled to submit a claim in terms of Sub-Clause 11.2 of the Conditions of Contract, provided always that the period of twenty-eight (28) days referred to in Sub-

Clause 20.1 of the Conditions of Contract shall be reduced to three (3) normal working days in respect of all claims submitted in terms of this clause.

C3.5: Management

C3.5.1 Management of the Works

C3.5.1.1 Particular or Generic Specifications

The following references from, and variations and additions to the Standard Specifications will be valid for this Contract.

The clauses and pay items in this portion of the Particular Specifications are numbered "B" followed by a number corresponding to the number of the relevant clause or pay item in the Standard Specifications. New clauses and pay items not covered by clauses or pay items in the Standard Specifications, if included here, are also designated "B" followed by a number. These numbers follow on the last clause or pay item number used in the relevant section of the Standard Specifications.

C3.5.1.2 Programme

C3.5.1.2.1 General

The Contractor's initial and all subsequent adjusted programmes to be submitted in terms of Clause 8.3 of the Conditions of Contract, shall show and when relevant describe in detail the entire extent of the work to be carried out, as described in or can reasonably be inferred from Part C3: Scope of Works of this document.

In addition to the requirements detailed in Clause 8.3 of the Conditions of Contract, the following additional programming information shall be incorporated into the Contractor's initial and all subsequently adjusted programmes as specified in C3.5.1.2.4.

C3.5.1.2.2 Format

The Construction Programme to be submitted by the Contractor in accordance with the provisions of Clause 8.3 of the Conditions of Contract shall: -

- (a) Be in the form of a bar chart; and
- (b) Clearly indicate the start and end dates and duration of all construction activities and identify the critical path; and
- (c) Take full cognisance of all the Contractor's risks and obligations in terms of the Contract.

The said Programme and all revisions thereto shall also be provided to the Engineers in electronic digital format using the Primavera Project Planner (P6) software package or an approved alternative.

C3.5.1.2.3 Failure to Maintain Construction Programme

If the Construction Programme has to be revised in terms of the Conditions of the Contract, because the Contractor is falling behind in its programme, the Contractor shall submit a revised programme of how it intends to regain lost time to ensure completion of the Works before the Due Completion Date.

C3.5.1.2.4 Specific Programme Requirements

The Contractor's programme shall also take full account of the matters described in the sub-clauses hereunder. No additional payments will be made to the Contractor in respect of any additional costs it may incur in consequence of arranging or adjusting its programme to accommodate the said matters and the Contractor's various tendered rates and prices shall be deemed to be fully inclusive of such costs.

No construction activities will be permitted which require the complete shut-down of existing works and operations.

(a) Sequencing of work

There is no preferred order in which the different installations must be done. The Contractor must however consult with the Engineer and Employer to determine if there are any preferred orders in which the installations must be done before he finalises his programme and before any construction starts.

(b) Facilities to Other Contractors

Pursuant to the requirements of the Conditions of Contract, the Contractor's programme shall make allowances for the presence of such other contractors on the Site as are described below. This may involve adapting the Contractor's programme to accommodate the work of such other contractors and ensuring access to their sites along prescribed routes over the Site of this Contract.

Other Civil Engineering Contractors are engaged by the Employer and will be present on-site during the period of the contract.

At times certain areas of work will overlap with the other contractors and the Contractor shall arrange or adjust as necessary, the sequence of its work so as not to delay the programmes of the existing contractors. The programmes of the existing contractors are available at the office of the Engineer for perusal.

C3.5.1.3 Methods and Procedures

C3.5.1.3.1 Management and disposal of water (Read with SANS 1921 - 1: 2004 clause 4.6)

The Contractor shall pay special attention to the management and disposal of water and stormwater on the site. It is essential that all completed works or parts thereof are kept dry and properly drained. Claims for delay and for repair of damage caused to the works as a result of the Contractor's failure to properly manage rain and surface water, will not be considered.

C3.5.1.3.2 Testing (Read with SANS 1921 – 1: 2004 clause 4.11)

a) Process Control

The Contractor shall arrange for all tests required for process control to be done by a SANAS-accredited commercial laboratory acceptable to and approved by the Engineer.

The Contractor may establish his own laboratory on-site, or he may employ the services of an independent commercial laboratory. Whatever method is used, the Contractor must submit the results of tests carried out on materials and workmanship when submitting work for acceptance by the Engineer. The costs for these tests shall be deemed to be included in the relevant rates and no additional payment will be made for testing as required.

(b) Acceptance control

The process control test results submitted by the Contractor for approval of materials and workmanship may be used by the Engineer for acceptance control. However, before accepting any work, the Engineer may have further control tests carried out by a laboratory of his choice. The cost of such additional tests will be covered by a provisional sum provided in the Bill of Quantities, but tests that failed

to confirm compliance with the specifications will be for the account of the Contractor.

C3.5.1.3.3 "As built" Drawings

As the work progresses, the Contractor shall keep full records of all amendments to and deviations from the drawings as issued to the Contractor at the start of the contract. The true positions, invert levels and ground levels of all services shall be surveyed after construction and indicated on the drawings, for which purpose the Contractor shall receive a separate complete set of drawings at no cost, from the Engineer. The Contractor must provide as-built survey information in digital format.

The Taking-Over Certificate shall only be issued after the Engineer has received a properly completed set of "As Built" drawings from the Contractor. This set of drawings shall be approved and signed by the Contractor's Contracts Manager. No additional payment will be entertained as a result of this requirement.

C3.5.1.3.4 Security of Contractor's Site

The provision of security for the Contractor's Site Establishment shall be his own responsibility and no claims for additional security measures taken during the currency of the Contract will be considered.

C3.5.1.3.5 Information Supplied by Employer

Certain information contained in these Contract Documents, or provided separately, is being offered in good faith. However, in the circumstances pertaining to the type of information supplied, no guarantee can be given that all the information is necessarily correct or representative. More specifically this applies to all material surveys and reports and similar information, the accuracy of which is necessarily subject to the limitation of testing, sampling, the natural variation of material or formations being investigated and the measure of confidence with which conclusions can be drawn from any investigations carried out. It also applies to the positions of existing services as indicated on the Tender Drawings.

C3.5.1.3.6 Finishing and Tidying

In view of the intense concentration of construction activities likely to be experienced during the Contract period, progressive and systematic

finishing and tidying will form an essential part of this Contract. On no account must spoil, rubble, materials, equipment or unfinished operations be allowed to accumulate in such a manner as to unnecessarily impede the activities of others, and in the event of this occurring, the Employer shall have the right to withhold payment for as long as may be necessary in respect of the relevant Works in the area(s) concerned without thereby prejudicing the rights of others to institute claims against the Contractor on the ground of unnecessary obstruction.

All finishing and tidying shall be carried out to the best advantage of the project as a whole and in the closest cooperation with other Contractors.

C3.5.1.3.7 Co-operation with Other Authorities

In general, services by others will be relocated prior to work commencing or installed after the Contractor has substantially completed the work covered by this Contract. However, should it be deemed by the Engineer that it would be in the best interest of the Employer that the installation of services by others in any sector should be permitted to proceed before the Contractor has substantially completed his own work under the Contract, he shall afford all reasonable facilities by way of access and working space to the parties responsible for the installation of these services.

It will be necessary also to install ducts under roads for the accommodation in the future of electrical and telephone service cables. The marking and positive identification of such ducts, in co-operation with the authorities concerned, is to be considered as one of the responsibilities of the Contractor.

C3.5.1.3.8 Quality Plans and Control

(Read with SANS 1921 – 1: 2004 clause 4.4)

The Contractor will be solely responsible for the production of work that complies with the Specifications to the satisfaction of the Engineer. To this end, it will be the full responsibility of the Contractor to institute an appropriate Quality Assurance (QA) system on site. The Engineer will audit the Contractor's quality assurance (QA) system on a regular basis to verify that adequate independent checks and tests are being carried out and to

ensure that the Contractor's own control is sufficient to identify any possible quality problems which could cause a delay or failure.

The Contractor shall ensure that efficient supervisory staff, the required transport, instruments, equipment and tools are available to control the quality of his own workmanship in accordance with his QA system. His attention is drawn to the fact that it is not the duty of the Engineer or the Engineer's representative to act as foreman or surveyor.

The Contractor shall develop a Project Quality Plan (PQP) that details how quality will be managed on-site. The plan will be in accordance with ISO 10 005:2018.

Over and above the PQP, the Contractor shall develop Quality Control Plans (QCPs) / Inspection and Test Plans (ITP) that are specific to the scope of work. Where special processes are involved, the contractor shall develop Method Statements that detail how these processes will be managed.

C3.5.1.4 Environment

C3.5.1.4.1 Management of the environment (*Read with SANS 1921 - 1: 2004 clause 4.19*)

The Contractor shall pay special attention to the following:

(a) Natural Vegetation

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

Only those trees and shrubs directly affected by the works and such others as the Engineer may direct in writing shall be cut down and stumped. The natural vegetation, grassing and other plants shall not be disturbed other than in areas where it is essential for the execution of the work or where directed by the Engineer. Refer to Annexure 3.

(b) Fires

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

Employees of his subcontractors must be able to identify themselves as members of the construction team.

C3.5.1.5 Accommodation of Traffic on Public Roads Occupied by the Contractor

Where the Work borders on or joins into existing roads and where the works affect the operation and/or safety of road users, the Contractor shall erect adequate traffic signs that conform to the requirements of the latest edition of the S.A. Road Traffic Signs Manual, maintain and keep them in good order.

C3.5.1.6 Other Contractors on Site

Other Contractors are engaged by the Employer and will be present on-site during the period of the contract.

C3.5.1.7 Testing, Completion, Commissioning, and Correction of Defects

In terms of the Contract Data, the Works are to be constructed using the Conditions of Contract for Construction (FIDIC "Red Book" 2017) published by the International Federation of Consulting Engineers. In terms of Clause 10.1, a Taking Over Certificate will only be issued once all of the works are complete for their intended use. For the purposes of this project, no partial completion will be entertained.

Once Completion has been reached in terms of Clause 10.1, the works will be handed over to the TASEZ. The Defects Notification period will only commence once all of the outstanding works and snags listed in the Taking Over Certificate have been completed (including all As-built Information in terms of C3.5.1.3.3 above).

In terms of the Contract Data, the Defects Notification Period is 365 days from the date stated in the Take-Over Certificate terms of Clause 11.1. Any defects which may be discovered during the Defects Notification Period or at the end of the Defects Notification Period will be remedied in terms of Clause 11.1.

C3.5.1.8 Recording of Weather

Extension of Time Due to Abnormal Rainfall

A claim for extension of time in respect of delays suffered by the Contractor in consequence of wet climatic conditions will be considered by the

Engineer in terms of Sub-Clauses 8.2 and 8.4 of the Conditions of Contract and in accordance with provisions set out hereunder.

For the purposes of extension of time, a delay caused by wet climatic conditions will be regarded as a delay only if, in the opinion of the Engineer, all progress on an item or items of work on the critical path of the Contractor's working programme as approved in terms of Sub-Clause 8.3 of the Conditions of Contract has been brought to a halt.

Unless it is customary to carry out the work, in respect of which a delay was suffered, by rotary shifts or by day and by night, only delays to critical path items experienced as a result of wet climatic conditions during normal working hours (as defined in Sub-Clause 6.5 of the Conditions of Contract) will be taken into account for extension of time. This will apply notwithstanding the fact that a delay may have occurred on a portion of the Works or Contract Works on the critical path due to wet climatic conditions, which work was being executed outside the said normal hours with the permission of the Engineer, granted in terms of the Conditions of Contract.

The Contractor shall make due allowance within his programme submitted in terms of the Conditions of Contract, for a total anticipated delay to items on the critical path resulting from wet climatic conditions, of twenty-four (24) normal working days/year, referred to in the table below (as defined in Sub-Clause 6.5 of the Conditions of Contract), during the Contract.

Average Delays Due to Inclement Weather:

Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Days Delay	3	3	2	2	1	1	1	1	2	2	3	3	24

Extension of time, if granted by the Engineer, will be determined as the aggregate number of normal working days for which all progress on the item or items on the critical path was brought to a halt as a result of wet climatic conditions, less the number of normal working days specified in the paragraph above.

In determining the revised Due Completion Date of the Contract, the Engineer shall add the equivalent number of normal working days delay

determined in the paragraph above and all intervening normal non-working days to the prevailing Due Completion Date.

C3.5.1.9 Format of Communications

The Contract shall keep a triplicate Site Instruction Book and separate Site Diary on site. Site Instructions will be issued to the Contractor by the Engineer or his designated representative. The Site Instruction Book is for the sole use of the Engineer, and the Contractor will not be permitted to communicate via this book. The Contractor will be required to complete the Site Diary for each and every day of the contract, from the commencement date through to the day that the Contractor de-establishes. The Contractor must record the following information in the Site Diary:

- Date
- Weather conditions
- Plant and labour on site
- Daily activities
- Information required
- Frustrations
- Requests for inspections

Under no circumstances will the Contractor be permitted to communicate directly with the Employer. All correspondence for the contract must be directed through the Engineer.

C3.5.1.10 Key Personnel

The Contractor will be required to submit the Curriculum Vitae of all Key personnel for approval by the Engineer prior to commencing duties on site. Any changes to personnel must be approved by the Engineer.

In addition, the Contractor must provide the Engineer with a schedule of plant and labour on site. This schedule must be submitted to the Engineer at least 2 days before each and every Site Meeting.

C3.5.1.11 Management Meeting

Monthly Site Meetings will take place during the contract duration. The Contractor must ensure that his duly appointed responsible person attends the Site Meetings. Should the "responsible person" for the contract be

unable to attend, then a nominated representative with equal authority must attend in place. This person must have the necessary authority to make any decision which could be made by the "responsible person".

The attendance of Site Meetings by Sub-Contractors will only be permitted by special written request by the Contractor or specifically requested by the Engineer.

C3.5.1.12 Forms for Contract Administration

Standard forms for payment certificates and reporting will be issued to the Contractor during the course of the Contract.

C3.5.1.13 Electronic Payments

Arrangements for electronic payment of payment certificates will be made between the Contractor and Employer during the Site Handover Meeting.

C3.5.1.14 Daily Records

C3.5.1.14.1 Instructions by the Engineer

Site instructions by the Engineer, addressed to the Contractor at his works office on site will be numbered consecutively in a triplicate book supplied by the Contractor and will be deemed to have been received by the Contractor's representative unless a break in the sequence of numbers is brought to the notice of the Engineer in writing immediately.

C3.5.1.14.2 Site Diary

The Contractor must keep a triplicate site diary on site, which must record the daily site activities, plant, site supervision, rainfall, site visitors, etc. This diary must be filled in daily and signed by the Contractor's Representative. Failure on the Contractor's part to keep proper records will count heavily against him in assessing any claims, which may occur during the contract period.

C3.5.1.15 Performance Security

The Performance Security shall be as stated in the Contract Data. The original performance security must be submitted to the Employer and one copy of the security is to be submitted to the Engineer.

C3.5.1.16 Payment Certificates

The Contractor will be allowed to submit a payment certificate on a monthly basis in terms of clause 14.3 of the Conditions of Contract. Measurements must be agreed upon with the Engineer's Representative by the 20th of each month, and the payment certificate submitted to the Engineer by the 25th of each month. If the Contractor submits a formal request, the Employer will consider processing payment certificates twice a month.

Payment certificates are to be submitted with all supporting documentation. Standard formats will be issued to the Contractor at the Site Handover Meeting.

C3.5.1.17 Proof of Compliance with the Law

In terms of the Contract Data, the governing law is the law of South Africa. Should it be necessary during the Construction or Defects Notification Period for the Contractor to prove that he is abiding by the applicable law in terms of the Contract Data; the Contractor will be required to submit in writing to the Engineer such proof.

C3.5.1 Health and Safety

C3.5.1.1 Health and Safety Requirements and Procedures

In terms of the provisions of Section 37(2) of the Occupational Health and Safety Amendment Act, 1993 (Act 85 of 1993) hereinafter referred to as the Act, the following arrangements and procedures shall apply between the Contractor and the Employer to ensure compliance by the Contractor with the provisions of the Act:

- (i) The Contractor undertakes to acquaint the appropriate officials and employees of the Contractor with all relevant provisions of the Act and the Regulations promulgated in terms of the Act.
- (ii) The Contractor undertakes that all relevant duties, obligations and prohibitions imposed in terms of the Act and Regulations on the Contractor will be fully complied with.
- (iii) The Contractor accepts sole liability for such due compliance with the relevant duties, obligations and prohibitions imposed by the Act and Regulations and expressly absolves the Employer from himself being obliged to comply with any of the aforesaid duties, obligations and prohibitions, with the exception of such duties, obligations and

prohibitions expressly assigned to the Employer in terms of the Act and its associated Regulations.

- (iv) The Contractor agrees that any duly authorised officials of the Employer shall be entitled, although not obliged, to take such steps as may be necessary to monitor that the Contractor has conformed to his undertakings as described in paragraphs (i) and (ii) above, which steps may include, but will not be limited to, the right to inspect any appropriate site or premises occupied by the Contractor, or any appropriate records or safety plans held by the Contractor.
- (v) The Contractor shall be obliged to report forthwith to the Employer and Engineer any investigation, complaint or criminal charge which may arise as a consequence of the provisions of the Act and Regulations, pursuant to work performed in terms of this Contract, and shall, on written demand, provide full details in writing, to the Employer and Engineer, of such investigation, complaint or criminal charge.
- (vi) The Contractor shall furthermore, in compliance with the Construction Regulations 2014 (Notice No 37305, dated 7th February 2014) to the Act acquaint himself with the requirements of the Employer's health and safety specification as laid down in regulation 5(1) of the Construction Regulation 2014, and prepare a suitably and sufficiently documented health and safety plan as contemplated in regulation 7(1) of the Construction Regulation 2014 for approval by the Employer or his assigned agent. The Contractor's health and safety plan and risk assessment shall be submitted for approval, to the Employer or his agent, within 14 days of the Commencement Date and shall be implemented and maintained from the commencement of the Works.
- (vii) The Contractor shall at all times be responsible for full compliance with the approved plan as well as with the Construction Regulations and no extension of time will be considered for delays due to non-compliance with the abovementioned plan or regulations.
- (viii) The Employer, or his assigned agent, reserves the right to conduct periodic audits, as contemplated in the Construction Regulations 2014, to monitor that the Contractor is compliant in respect of his obligations. Failure by the Contractor to comply with the requirements of these Regulations shall entitle the Engineer, at the request of the Employer or his agent, to suspend all or any part of the Works, with no recourse

whatsoever by the Contractor for any damages incurred as a result of such suspension, until such time that the Employer or his agents are satisfied that the issues in which the Contractor has been in default have been rectified.

- (ix) The proposed type of work, materials to be used and potential hazards likely to be encountered on this Contract are detailed in Part C3: Construction, the Bill of Quantities, the Drawings, and in the Employers' health and safety specification (regulation 5(1) of the Construction Regulations 2014), which is attached as Annexure 4.

Payment items are included in the Bill of Quantities to cover the Contractor's cost for compliance with the OHS Act and the abovementioned regulations.

C3.5.1.2 Protection of the Public

The Contractor shall at all times ensure that his operations do not endanger any member of the public.

As the area is adjacent to a residential area the Contractor shall take special precautions to prevent public access to any dangerous areas on the Works, e.g. by temporary barricades and/or fencing.

C3.5.1.3 Traffic Control on Roads

Where the work borders on or joins into existing roads and where the works affect the operation and/or safety of road users, the Contractor shall erect adequate traffic signs that conform to the requirements of the latest edition of the S.A. Road Traffic Signs Manual, maintain and keep them in good order.

The Contractor shall always take the necessary care in all his operations and use of his equipment to protect the public and to facilitate the movement of traffic.

The Contractor will be required to submit to the Engineer for approval a layout plan indicating traffic accommodation for the works for each set-up. Approval of each set-up by the Engineer will not in any way preclude the Contractor from his responsibilities regarding traffic accommodation. The Contractor must employ a full-time traffic and safety officer for the

duration of the contract. The officer will be responsible for all safety and traffic accommodation-related matters.

C3.6: Specifications

PROJECT SPECIFICATION AMENDMENTS TO THE SPECIFICATIONS SABS 1200

PSA GENERAL

The following variations are applicable to the standardised specification SABS 1200 A General.

PSA 1 Measurement and Payment

PSA 1.1 *Scheduled Fixed Charge and Value Related Items*

PSA 1.1.1 *Clause 8.3.4 – Removal of Site establishment*

Add the following:

In the program of works allowance should be made for Removal of Site Establishment after completion of the work as described in the scope of works.

The unit of measurement per item is a sum that shall cover all the costs as described for subclauses 8.3.2 and 8.3.4.

PSA 1.1.2 *Clause 8.4 – Scheduled Time-related Items*

Adjust item to allow the following:

The unit of measurement will be months (one month equal to 30 calendar days) and not Sum

PSA 1.2 *Clause 8.6 – Prime Cost Items*

PSA 1.2.1 *Control tests*

- a) Prime cost item for control tests on road foundations by an outside laboratory as ordered by the Engineer.
- c) Not applicable

PSA 1.2.2 *Clause 8.5 (b) Overheads, charges and profit on (a) above:*

Add the following:

The percentage charged will be no more than 10% for all PC Items.

PSA 1.3 Occupational Health and Safety Act

Add the following:

A separate item will be allowed for the costs that the Contractor will incur to comply with the requirements of the Occupational Health and Safety Act and the OHS specification.

The unit of measurement will be a lump sum and the amount tendered must cover all costs that the Contractor will incur in this regard.

PSA 1.4 Checking of Road Reserve boundaries & Erf Pegs

In this regard, refer to Clause C4.9.8 of Part C4: Site Information:

Add the following:

A separate item has been allowed in the Schedule of Quantities to comply with the requirements of this item. The unit of measurement will be the lump sum. The tendered amount must cover all the costs that the Contractor will incur in this regard.

Allowance should be made for a registered land surveyor to set out all road reserves and erf pegs at the end of construction.

PSA 1.5 Temporary Work

Amend Item to include:

Dealing with Traffic:

b) Allowance for accommodation of traffic within the Municipal Road Reserve for duration of the Contract (excluding items measured elsewhere).....
.....Sum

No separate measurement for Contractors obligations to arrange for safe access to the site along road. All costs should be included in the time-related charges (ex. Flagmen, signs etc.). The unit of measurement will be sum.

PSA 1.6 Additional Item

Temporary	Stormwater	Control	and
protection.....	Sum		
a)			Sand
bags.....			m ³
(Cubic Meter)			

b) *Earthworks – Cut to fill to form temporary berms and trenches..... m³ (Cubic Meter)*

The sum to provide for sand bags and should include for Supplying, filling, placing, maintaining and moving around of sand bags to designated areas to prevent stormwater damage and erosion for the duration of the Contract.

PSA 2 Construction

PSA 2.1 Setting out of Works

The Contractor will be required to set out the works from the basic control points, erf pegs and co-ordinates given on the drawings.

The cost of setting out the works as described above, should be included in item 8.4.3 of the Scheduled Time - Related items.

PSA 2.2 New Clause – Survey Equipment

The following equipment shall be made available and be maintained in good condition for the use of the Engineer for the duration of the Contract

- a) One automatic surveyor's level with tripod, case and staff.
- b) One of nylon – coated steel surveyor's tape 100m long and 10mm wide
- c) A survey field data book for levelling
- d) 50 steel pegs, 300mm long and 10mm in diameter
- e) Two skilled labourers to assist him with measurement from time to time
- f) One calibrated Dynamic Cone Penetrometer (DCP) on site at all times.

PSA 2.3 Dust Control, construction bypasses and haul roads

The Contractor will be required to maintain all construction routes, bypasses and haul roads for the duration of the contract, this should include for dust control measures.

The cost as described above, should be included in item 1.2.1 of the Scheduled Time - Related items.

PSAB ENGINEER'S OFFICE

The following variations are applicable to the standardised specification SABS 1200 AB - Engineer's Office.

PSAB 1 Materials

PSAB 1.1 Clause 3.2 - Office Buildings

The Engineer will require use of the Contractors office Facilities if required, the Contractors office Facilities must be suitable for site meetings with a minimum of 12 members.

PSAB 2 Plant

PSAB 2.1 Clause 4.1 - Telephone

No telephone is required by the Engineer.

PSC SITE CLEARANCE

The following variations are applicable to the standardised specification SABS 1200 C.

PSC 1 Scheduled Items

PSC 1.1 Adjust 8.2.1 to include for items as listed below

The following areas are to be cleared and grubbed:

a) The Contractor's construction camp site
ha (Hectare)

b) Road reserve ha
(Hectare)

c) Where pipes are to be laid - a strip wide enough for the
stockpiling of excavated material alongside the trench without
the material being contaminated by plant growth as well as
sufficient space for access for delivering of material
m (meter)

d) The Entire site including the Contractors site camp.....
m (meter)

PSC 1.2 Clause 8.2.10 Remove Topsoil

To nominal depth of 150mm and stockpile.

Quantity will be verified by a pre- and post-construction survey, the cost thereof must be included in the rate.

PSC 1.2.1 Additional Item

Demolition of existing residence and all associated
infrastructure.....Lu
mp Sum

The rate should cover all costs to remove existing residential structure, swimming pool and all other associated infrastructure.

PSC 1.3 *Remove and grub all large trees and tree stumps*

This unit rate of measurement shall be hectare (ha)

The rate tendered shall include for the complete removal of all trees and roots within the site boundaries, unless otherwise indicated by the engineer.

PSD EARTHWORKS

The following variations are applicable to the standardised specification SABS 1200 D.

PSD 1 Materials

PSD 1.1 *Clause 3.1.2 Classes of Excavation*

Refer also to Clause C4.3 of the Site Information for the expected nature of the ground and the subsoil conditions. For the purpose of this contract, excavation shall be classified as follows:

a) *Soft excavation:*

Soft excavation is excavation of the material that can be efficiently removed by a 30 ton excavator. Efficiently shall mean in a manner that can be reasonably expected of the specified excavator, having regard to the production achieved.

b) *Hard excavation:*

All hard excavation that cannot be removed efficiently by a 30 ton excavator shall be classified as hard excavation. For this excavation class it is the contractor's choice to remove the material by blasting, use of mechanical breakers and/or pneumatic tools. For payment purposes no distinction shall be made between methods employed to excavate and remove the material.

Intermediate excavation will not be measured separately and its occurrence will be classified as either soft or hard excavation.

Before any excavation commences the engineer and the contractor shall agree whether the material can be efficiently excavated and removed by the specified excavator and on the class of excavation.

The contractor shall immediately inform the engineer if and when the nature of the material being excavated changes to the extent that a new classification for further excavation is warranted. Failure on the part of the contractor to advise the engineer thereof in good time shall entitle the engineer to classify such excavation as deemed appropriate.

PSD 1.2 *Clause 3.2.2 Material suitable for replacing overbreak*

The material suitable for replacing overbreak must be compacted to the same degree of density as that specified for the backfilling of the original excavation.

PSD 2 Construction

PSD 2.1 *Clause 5.1.1.3 Explosives*

No allowance for overbreak will be made and backfilling and compaction of overbreak will be done at the Contractors expense.

PSD 2.2 *Clause 5.1.4.3 Excavated Material*

All excavated material, including top soil, loose stones and boulders, which is to be removed during the tidying up of the site and which is unsuitable for fill or is in excess for the use in backfill or side fill, must be removed from site or spoiled to the stockpile site indicated at tender clarification. The Contractor must provide his own dumping site unless otherwise indicated. The freehaul distance does not apply in this case and the Tendered unit rate must make allowance for all travelling to dump excess material.

PSD 2.3 *Clause 5.2.2.1 Excavations for general earthworks and structures*

Where shuttering has been specified for concrete work below surface level, the excavation must be 1000 mm wider than the outside measurements of the structure.

PSD 2.4 *Clause 5.2.3 Placing and Compaction*

The compaction of each layer shall be as specified by the design drawings or the engineer. Layer thickness after compaction shall not exceed 200 mm.

PSD 2.5 *Clause 5.2.5.1 Freehaul & 5.2.5.2 Overhaul*

No additional payment for haulage shall apply.

Note the stockpile area will be placed between the earthworks area and the borrow pit.

PSD 2.6 *Clause 5.2.4.3 Grass or other vegetation*

Add the following:

The rate shall include full compensation for procuring, furnishing, loading, transporting, off-loading and placing/ establishing to an acceptable cover; but excludes mowing of grass.

PSD 3 *Tolerances*

PSD 3.1 *Clause 6.1 Position, Dimension, Levels, etc.*

The Degree of accuracy II will be applicable and shall be within the limits given in Table of sub-clause 6.1.

Tolerances / Deviations of the earthworks shall be measured by comparing a final survey after completion of the bulk earthwork levels with a survey by the main contractor. Both parties will agree on the completed platform and acceptable deviations. The main contractor shall confirm this acceptance in writing.

PSD 4 Testing

PSD 4.1 *Clause 7.2 Testing Frequency and Minimum Requirements*

Testing frequency and minimum requirements will be as per Table 1 – Testing Frequency and Table 2 – Densities of SABS 1200 DM, sub-clause 7.2 and 7.3.

PSDB EARTHWORKS (PIPE TRENCHES)

The following variations are applicable to the standardised specification SABS 1200 DB

PSDB 1 Materials

PSDB 1.1 *Clause 3.1 Classes of Excavation*

Classification as for PSD 1.1

PSDB 2 Plant

PSDB 2.1 *Clause 4.1 Excavation Equipment*

Trench widths as for clause 5.2 of SABS 1200DB.

PSDB 3 Construction

PSDB 3.1 *Clause 5.1.1 General*

Excavation for pipe trenches to be done only once the bulk earthworks for roads has been completed.

PSDB 3.2 *Clause 5.5 Trench Bottom*

No compensation will be made for overbreak and the backfilling thereof.

PSDB 3.3 *Clause 5.6.3 Disposal of Soft Excavation Material*

Refer Paragraph PSD 2.2

PSDB 3.4 *Clause 5.6.4 Disposal of Hard Rock Material*

Refer Paragraph PSD 2.2.

PSDB 3.5 *Clause 5.7 Compaction*

All pipe trenches to comply with this specification. The compaction in each and every trench must be tested by means of a dynamic cone penetration (DCP) test and the results submitted to the Engineer. DCP's must also be done on the in-situ material adjacent to the trench.

PSDB 3.6 *Clause 5.9.3, 5.9.4 and 5.9.5*

All pipe crossings must be installed prior to the construction of the selected layer.

PSDB 4 Measurement and Payment

PSDB 4.1 Clause 8.1.1 Basic Principles

No free haul will be measured.

PSDB 4.2 Clause 8.1.2 Basic Principles

Trench excavations for all pipe diameters and lengths shall be measured per cubic metre.

PSDB 4.3 Additional Item

Extra-over for Soil cement backfill @ 3% Cement.....m³
(cubic meter)

PSDB 5 Computation of Quantities

PSDB 5.1 Clause 8.2.1 Excavation

The volume of excavation will be calculated with vertical sides, and no allowance will be made for overbreak which may occur during excavation. The volume of excavation for pipe trenches will also only be calculated after the bulk earthworks for the roads has been completed.

PSDB 6 Scheduled Items

PSDB 6.1 Clause 8.3.2 Excavation

All transport additional will be taken as covered by the unit rate for backfilling. No separate payment for haulage will apply.

PSDM EARTHWORKS (ROADS, SUBGRADE)

The following variations are applicable to the standardised specification SABS 1200 DM.

PSDM 1 Materials

PSDM 1.1 Classification for Excavation Purposes

For the purposes of this contract, there will be two classes of excavation, namely soft excavation and hard rock.

PSDM 1.2 Clause 3.2.2 Fill

Approved fill material shall have a minimum CBR of 15, at 93% of modified AASHTO density, a minimum GM of 0,5 and a maximum PI of 3 GM + 12.

PSDM 1.3 Clause 3.2.3 Selected layer

Item a) - maximum PI of 3GM + 10

Item b) - minimum grading modulus of 0,75 for upper selected layer.
No grading modulus specified for lower selected.

Item c)(1) - G6 Material - minimum CBR of 25 for natural gravel

Item c)(2) - G7 Material - minimum CBR of 15 for natural gravel

PSDM 2 Construction

PSDM 2.1 Clause 5.2.2.2 Dimension of Cuts

Refer paragraph PSDM 1.3 for CBR. The Contractor will not be paid for overbreak backfilling nor backfilling over - excavated sections.

PSDM 2.2 Clause 5.2.2.3(b) Cut to Spoil

Refer Paragraph PSD 2.2

PSDM 2.3 Clause 5.2.2.5 Disposal of surplus or unsuitable material

Refer Paragraph PSD 2.2

PSDM 2.4 Clause 5.2.4.2 Placing and Compaction

Delete paragraph d (3)

PSDM 2.5 Clause 5.2.4.2 Placing and Compaction

Under paragraph (d), pioneer layers to be constructed as per engineer's instruction with material size to be +50mm, -200mm

PSDM 2.6 Clause 5.2.8.2 Overhaul

No additional payment for haulage shall apply.

PSDM 3 Tolerances

PSDM 3.1 Clause 6.2 Dimensions, Levels, etc

Degree of accuracy II will apply.

PSDM 4 Testing

PSDM 4.1 Clause 7.2 Process Control

The testing frequencies as set out in Table I shall apply. The costs of these tests are to be included in the unit rates tendered for each layer.

PSDM 4.2 Clause 7.3.2 Density Testing

Values as set out in Table 2 should be used in evaluating the materials tested.

PSDM 5 Measurement and Payment

PSDM 5.1 Clause 8.2.5 Verifying Quantities

This clause will be strictly applied to this contract.

PSDM 5.2 Clause 8.3.4 Cut to fill and borrow to fill

The rate shall include the costs of temporary stockpiling should this be required as a result of the Contractors' method of construction and works programme.

The rate shall also cover the cost of hauling material from the designated stockpile area.

PSDM 5.3 Additional Item

Working off sidewalks, cuts and
fills.....m²

The rate shall cover the cost to remove all stones larger than 75mm diam and work off the sidewalk to a neat and even finish.

The width of the sidewalk to be worked off shall be from the back of kerb to a point specified by the engineer but not less than 2m wide.

PSDM 5.4 Clause 8.3.7 Cut to Spoil

This rate shall include for spoiling material off site

PSGA CONCRETE (SMALL WORKS)

The following variations are applicable to the standardised specification SABS 1200 GA.

PSGA 1 Measurement and Payment

PSGA 1.1 Clause 8 Measurement and Payment

Concrete, formwork, reinforcement and brickwork will be measured in the Schedule of Quantities in the applicable sections as required.

PSL MEDIUM PRESSURE PIPE LINES

The following variations are applicable to the standardized specification SABS 1200 L.

PSL 1 Scope

Add the following:

PSL 2 Materials

PSL 2.1 Clause 3.7.1 uPVC and mPVC Pipes

uPVC pipes to be Supratuff pipes by Main Industries or equal complying with ISO 4422 or pipes complying with SABS 966 Class 12 or 16 as indicated.

mPVC pipes to be High Impact, Class 16 pipes complying with SANS 1283. Joints shall be as follows:

Shoulder ended collars and couplings (spheroidal graphite, grade 42 pressed on collars, suitable coated for water application) coupled with fusion bonded powder epoxy, spheroidal graphite, grade 42 clamps.

PSL 2.2 Clause 3.7.2 Polyethylene Pipes

HDPE pipes must comply with SABS / ISO 4427, parts 1, 2, 3 and 5.

Water Pipe specification to be PE 100, PN16, SDR 11.

Pipe larger than 75mm to have butt welded joints, according to SABS 10268, part 1.

All fittings for HDPE pipes 75mm diameter and smaller to be "Plasson" type pressure fittings, or equal.

PSL 2.3 Clause 3.8.3 Flanges and Accessories

All flanges must comply with SABS 1123, Table 16.

PSL 2.4 Clause 3.10 Valves

Gate valves must comply with SABS 644 - 1974 Class 16 with compression-type seal, rubberised metal gate and non-rising spindle. All gate valves shall close anti-clockwise and must be of the waterworks application with cap top and plain thrust collar. All valves must have flanged ends drilled to SABS 1123, Table 16. The body and bonnet shall be epoxy coated internally and externally.

The closing and/or opening direction as well as the test pressure of the valve must be clearly marked on the valve.

PSL 2.5 Fire Hydrant

Only valves from Flush Fire Fittings or Woodlands may be used. Fire hydrants to have a 100 mm $\varnothing$ "Storz" coupling complying with SANS 1128 Parts I and II and shall be equipped with a square stainless steel spindle on which the keys of the local fire brigade fit.

After installation, fire hydrants shall be painted with one undercoat of zinc chromate conforming to SANS 679 followed by two coats of bright red high gloss enamel paint which conforms to SANS 630.
Only valves from Flush Fire Fittings or Woodlands may be used.

PSL 3 Construction

PSL 3.1 Clause 5.6 Valve and Hydrant Chambers

Valve chambers to be constructed to detail drawings.

Following installation, all exposed upper surfaces of manholes and valve box covers must be painted with two layers of white road-marking paint which complies with SABS 731. A 400 x 400mm white mark must be painted directly opposite the cover on the kerb of the road and a letter V must be formed in the kerb opposite the chamber. The cost of this is to be included in the rate of the valve.

All bulk water supply manhole covers shall be supplied by "DAMS FOR AFRICA".

PSL 4 Testing

PSL 4.1 Clause 7.3.1.3 Test Pressure

The test pressure applied at the highest point must be 1,8 MPa.

PSLB BEDDING (PIPES)

The following variations are applicable to the standardised specification SABS 1200 LB.

PSLB 1 Selection

PSLB 1.1 *Clause 3.4.1 Suitable material available from trench excavation*

The Contractor is required to use selective methods for preserving material, suitable for bedding, from being contaminated. No haulage will be paid and the rate should include for haulage.

PSLB 1.2 *Clause 3.4.2 Suitable material not available from trench excavation*

The Contractor is required to import suitable material from commercial or other sources, as stated in Clause 3.4.2(c).

PSLB 2 Testing

PSLB 2.1 *Clause 7.1 Density*

The necessary compaction tests, as set out in Clause PSDB 3.5 must be carried out on the bedding. The costs of these tests must be included in the rate for bedding material as per SABS 1200 LB.

PSLB 3 Measurement and Payment

PSLB 3.1 *Clause 8.1.5 Disposal of Displaced Material*

No free haul distance shall be applicable and the tender rates shall include for all transport of material where required.

PSLB 3.2 *Clause 8.1.6 Free haul*

No haulage shall be applicable.

PSLC CABLE DUCTS

The following variations are applicable to the standardized specification SABS 1200 LC.

PSLC 1 Scope

This specification covers the cable sleeves under roads required for electrical cables.

PSLC 2 Materials - Clause 3.1

a) *Electrical sleeves under roads*

The electrical sleeves to be 110/160 mm diameter Kabelflex pipes which supplied by Nextube or similar, provided by the Contractor.

PSLC 2.1 *Clause 3.1 Draw Wire*

Draw wire shall be 3,05 mm galvanised iron wire. The draw wire shall be attached to the Mandrill end and drawn into the pipe and left for use as a draw wire. The successful Tenderer must supply the draw wire. Draw wire must be installed in all pipes.

The draw wire must be extended above the ground to act as a marker for the pipe. Each draw wire must be marked with a plastic tag.

PSLC 3 *Measurement and Payment*

PSLC 3.1 *Clause 8.2.2 Excavation*

Refer PSDB 1.1.

PSLC 3.2 *Clause 8.2.5 Lay, bed and prove ducts*

Electrical sleeves under roads to be provided by the Contractor and the tendered unit rates must allow for the cost of these pipes.

Draw wires must be included in the rates for all the sleeve pipes.

PSLD *SEWERS*

The following variations are applicable to the standardised specification SABS 1200 LD.

PSLD 1 *Materials*

PSLD 1.1 *Clause 3.7.2 Polyethylene Pipes*

HDPE pipes must comply with SABS / ISO 4427, parts 1, 2, 3 and 5.

Sewer Pipe specification to be PE 100, PN12.5, SDR 13.6.

PSLD 1.2 *Clause 3.5 Manholes*

Manholes to be constructed according to detail drawings.

PSLD 1.3 *Clause 3.5.4 Concrete*

Only dolomitic aggregate may be used.

PSLD 2 *Construction*

PSLD 2.1 *Clause 5 Construction*

All work to conform to detail drawings.

PSLD 2.2 *Clause 5.9 House connection*

PSLD 2.2.1 *Clause 5.9.1 Location and details*

Sewer house/erf connections must be built in accordance with the detail drawings, including concrete marker blocks.

No backfilling over house/erf connections may be done until the Contractor has notified the Engineer that the connection is complete and the Engineer / Contractor has measured the exact position of the connection relative to the erf peg. The Contractor is to ensure that the erf pegs are in the correct position.

PSLD 3 *Tolerances*

PSLD 3.1 *Clause 6.2 Overall Centre Line Control*

Maximum deviation to be 100 mm.

PSLD 4 *Testing*

PSLD 4.1 *Clause 7.2.1 Air Test*

All sewer lines to be subjected to the specified air test.

PSLD 4.2 *Clause 7.2.6 Water tightness of Manholes*

The manhole must be filled with water and left for 24 hours. The manhole must then be topped up and the level should not drop more than 75 mm in the following 24 hours for the manhole to be acceptable.

PSLD 5 *Measurement and Payment*

PSLD 5.1 *Clause 5.2.3 Manholes*

No extra payment will be made for testing of manholes.

PSLD 5.2 Additional Item

CCTV Inspection of Sewer Network.....(m)
Linear Metre

On completion of the sewer network, the whole network must be inspected by a closed circuit TV and a full report in accordance with CoT guidelines with a DVD must be handed to the Engineer.

The unit of measurement for the above is linear meter and must include all costs to carry out the above inspection and provide the necessary reports and video tapes or DVD.

PSLE STORMWATER DRAINAGE

The following variations are applicable to the standardised specification SABS 1200 LE.

PSLE 1 Materials

PSLE 1.1 Clause 3.1 Culvert Units and Pipes

Stormwater pipes shall be precast reinforced concrete pipes with spigot and socket joints.

The pipes shall comply with the requirements of SABS 677. The requirements concerning the crack width and spacing shall be:

Pipes delivered to the site shall be rejected if:

- (i) the depth of a crack is more than one-third of the wall thickness of the pipe over a length of 600 mm or more, irrespective of the width of the crack; and
- (ii) a crack to a depth of more than one-third of the wall thickness of the pipe over a length of 300 mm or more, irrespective of the width of the crack, is within 300 mm of the end of the pipe.

Stormwater culverts shall be precast reinforced concrete portal/rectangular culverts joint butt-ended.

The culverts will not have any cracks larger than 0.01mm or chips larger than 20mm.

PSLE 1.2 Clause 3.4 Manholes, Catchpits and Accessories

All work to conform to detail drawings.

PSLE 2 Measurement and Payment

PSLE 2.1 Clause 8.2.1 Supply and Lay Concrete Pipe Culverts/ Portal Culverts

Replace with the following:

Supply, lay and backfill Concrete Pipe Culverts on Class B bedding including for cutting, waste and skew ends.

PSLE 2.2 Clause 8.2.8 Supply and Install Manholes, Catchpits

(a) Junction boxes. Junction boxes will be measured as per completed unit, according to the various types as detailed and distinction will be made for junction boxes connecting various pipe sizes.

The tendered rate includes excavation, backfilling, benching, formwork, reinforcing, concrete and all items necessary to complete the work to specification.

(e) Kerb inlets. Kerb inlets built from pre cast sections will be measured per completed unit, with distinction made between the various lengths.

The tendered rate includes as for (a) above.

PSLE 2.3 New Item

Contractor to familiarise themselves with current design of Engineered Access

PSLF ERF CONNECTIONS (WATER)

The following variations are applicable to the standard specification SABS 1200 LF.

PSLF 1 Materials

PSLF 1.1 Clause 3.1.4 Polyethylene Pipes

Refer to Clause PSL 1.1.

PSLF 2 Construction

PSLF 2.1 Clause 5 Construction

All work to be executed and completed according to detail drawings.

PSLF 2.2 Clause 5.4.2 Recording of Position

All house connections are to remain exposed until the test on the network has been completed and all erf pegs have been checked and if necessary, replaced by a Registered Land Surveyor, so that the position of the house connection can be verified in relation to the erf peg. The costs of the above work are to be included in the unit rate of excavation and backfilling.

PSM ROADS (GENERAL)

The following variations are applicable to the standard specification SABS 1200 M.

PSM 1 Tolerances

PSM 1.1 Clause 6.2 Tolerances not cumulative

The thickness of the base and subbase shall not be less than the specified thickness.

PSM 2 Testing

PSM 2.1 Clause 7.2 - Process Control

Process Control tests for the sub grade earthworks, sub base and base to be carried out by the Contractor at the frequencies stated and at the costs of the Contractor

PSME SUBBASE

The following variations are applicable to the standard specification SABS 1200 ME.

PSME 1 Materials

PSME 1.1 Clause 3.1.2 Classes of Excavation

As for PSD 1.1.

PSME 1.2 Clause 3.2 Physical Properties

PSME 1.2.1 Clause 3.2.1 Subbase Material

Only approved imported material must be used for subbase. The imported material must comply with the following requirements in its final compacted position in the road.

Requirement	Un-stabilised	Stabilised
Minimum grading modulus	1.5	1.5
Maximum plasticity index	10	6
Minimum in place density (Mod AASHTO density)	95	95
Minimum UCS at in place density (kPa)	-	1 000
Minimum ITS at in place density (kPa)	-	200

PSME 2 Construction

PSME 2.1 Clause 5.5.6 Curing

After the curing as specified has been completed but not longer than 7 days after completion of the subbase, the base material must be placed in position and spread over the completed subbase.

PSME 3 Transport

PSME 3.1 Clause 5.7.1 Free haul

No free haul distance shall be applicable and the tender rates shall include for all transport of material where required.

PSMF BASE

The following variations are applicable to the standard specification SABS 1200 MF.

PSMF 1 Materials

PSMF 1.1 Clause 3.1.2 Classes of Excavation

Classification of material as for PSD 1.1.

PSMF 1.2 Clause 3.2 Graded Crushed Stone Classification

PSMF 1.2.1 Clause 3.3.2 Graded Crushed Stone

Replace the above clause with the following:

Graded crushed stone must comply with the following:

Aggregate crushing value

The aggregate crushing value, calculated using the TMH1 method B1, may not exceed the following values:

Table A4.1.5-6: Requirements for 10 % FACT and ACV values⁽¹⁾

Rock group	10 % FACT (dry) (minimum)	ACV (maximum)
Arenaceous rocks with a siliceous cementing matrix (quartzitic sandstone)	110 kN	29 %
Arenaceous rocks with non-siliceous material	140 kN	27 %
Diamictites	200 kN	21 %
Calcrete	80 kN	29 %
All other compliant rock groups	110 kN	29 %

Flakiness

The flakiness as determined by the TMH1 method B3T may not be higher than 35. (This is applicable to particles which above 14mm).

Atterberg Limits

The material must comply with the following maximum limits:

ATTERBERG LIMITS	Fraction (smaller than)	LL ≤ 25. PI ≤ 5 of any value. The mean of the PI's for a lot (min 6 tests) ≤ 4. LS ≤ 2%.
	0.425 mm	
	0.075 mm	PI ≤ 12.

Electrical Conductivity

The maximum electrical conductivity of the -6,7mm portion of the aggregate may not exceed 1,5m Scm-1 at 25°C when tested in terms of TMH1 method A@!T. If the electrical conductivity exceeds 1,5m Scm-1, lime must be added under controlled conditions. This should preferably be done during the breaking and sifting process, to reduce the conductivity to 1m Scm-1 at 25°C at the stage when the lime is added.

Salt solubility of fine material

The fine material must comply with the following:

- i) the pH must be greater than 6.
- ii) the total soluble salt content may not be greater than 0,05%.
- iii) the soluble sulphur content may not be higher than 0,05%.

In cases where the salt content exceeds these limits, the Contractor must at his own cost mix in hydrated lime to increase the pH to above 10.

Grading

The grading of the crushed stone must comply with the limits shown hereunder:

GRADING LIMITS OF CRUSHED STONE		
Nominal sieve opening mm	Percentage passing by mass	
	Nominal size 37,5mm	Nominal size 26,5mm
37,5	100	100
26,5	84 – 94	100
19,0	71 – 84	85 – 95
13,2	59 – 75	71 – 84
4,75	36 – 53	42 – 60
2,00	23 – 40	27 – 45
0,425	11 – 24	13 – 27
0,075	4 – 12	5 – 12

PSMF 2 Construction

PSMF 2.1 Clause 3.4.4.2(a) Compaction

The graded crushed stone shall be compacted to 88% of apparent density.

PSMF 2.2 Base Inspection

The base layer will be evaluated based on the following criteria:

- Continuous profile over the surface.
- Stones to turn so as to provide flat surface.
- Interlocking to have taken place.
- No nests of sand.
- Broken stones after slushing to be kept to minimum.
- Fines to be removed during slushing (< 0.075 mm) and visible after slushing.

PSMH ASPHALT BASE AND SURFACING

The following variations are applicable to the standard specification SABS 1200 MH.

PSMH 1 General

PSMH 1.1 A hot continuously medium graded asphalt surfacing conforming to SABS 1200 MH and the contents of this project specification is specified.

PSMH 1.1.2 Import Condition

No premix surfacing may commence until all municipal services under the road have been installed, tested and approved.

PSMH 2 Materials

PSMH 2.1 Clause 3.3 Tack Coat

A Tack Coat, as specified, is required.

PSMH 2.2 Clause 3.4.2 Surfacing

The bituminous binder for the asphalt surfacing shall be a 50/70 penetration grade bitumen complying with the relevant SANS specifications of SABS 307.

PSMH 2.3 Clause 3.5.1 General

Add the following:

The aggregate crushing value of the coarse aggregate, as determined according to TMH1 method B1, may not be higher than 25%.

PSMH 2.4 Grading

The grading of the aggregate for the continuously graded asphalt surfacing must be as follows:

Nominal sieve Opening mm	% passing through sieve by mass		
	Coarse	Medium	Fine
20.0	88 – 100	100	100
14.0	73 – 86	100	100
10.0	64 – 77	85 – 100	100
5.0	44 – 62	56 – 77	66 – 89
2.0	27 – 45	33 – 48	42 – 59
1.0	21 – 35	25 – 40	31 – 51
0.600	16 – 28	18 – 32	24 – 40
0.300	12 – 20	11 – 23	16 – 28
0.150	8 – 15	7 – 16	10 – 20
0.075	4 – 10	4 – 10	4 – 12

PSMH 2.5 *Clause 3.6 Mineral Filler*

PSMH 2.5.1 *Clause 3.6.1 Base and continuous graded and Gap Graded Surfacing*

Add the following:

The active filler's bruto density in toluene must be between 0,5 g/ml and 0,9 g/ml and at least 90% thereof according to mass must pass through a 0,075mm sieve. The voids in the dry, compacted filler must be between 0,3% and 0,5% when using the British Standard 812 test method.

PSMH 3 *Construction*

PSMH 3.1 *Clause 5.1.1 (b) Preparation of Surface of asphalting*

The existing surfacing and base course shall be sawn or cut as per detail shown on the drawings and the surfacing and base material removed and spoiled.

PSMH 3.2 *Clause 5.5 Design of Asphalt*

The creep modulus at 40°C, as determined using the TMH1 test method L6T, may not be less than 35 MPa.

PSMH 4 *Tolerance*

PSMH 4.1 *Clause 6.3.2 Grade*

The final level of the pre mix surface must be 20mm below the edge of the kerb.

PSMH 4.2 *Clause 6.3.6 Smoothness*

Degree of accuracy 1 is required.

PSMH 5 *Testing*

PSMH 5.1 Clause 7.1 Design mix

The Contractor's design mix must be submitted to the Engineer for approval.

PSMH 6 Measurement and Payment

PSMH 6.1 Clause 8.1.5 (b)(1) Bituminous binder Content

The nominal bituminous binder content must be 5.5%

PSMH 6.2 Clause 8.5 Listed Items

PSMH 6.2.1 Clause 8.5.1 Prime Coat

The unit of measurement is the litre of prime coat applied on the road.

PSMH 6.2.2 Clause 8.5.3 Tack Coat

The unit of measurement is the litre of tack coat applied on the road.

PSMH 6.2.3 Clause 8.5.4 Asphalt

The unit of measurement and payment is the square meter and thickness as indicated on the plans.

PSMJ SEGMENTED PAVING

The following variations are applicable to the standard specifications SABS 1200 MJ.

PSMJ 1 Materials

PSMJ 1.1 Clause 3.1.2

The rate should include for cutting of units and wastage as per PSMJ 3.1

Paving blocks shall be as follows:

1. 80 mm type S-A interlocking blocks
laid in herring bone pattern
Colour – Grey/Charcoal
2. 60 mm type S-A interlocking blocks
laid in herring bone pattern
Colour – Grey/Charcoal
3. 50 mm Bevelled Masonique blocks
laid in herring bone pattern
Colour – Any

PSMJ 2 Materials

PSMJ 2.1 *Clause 3.1.2 Class, Strength and Type*

Class 25 MPa wet crushing strength.

PSMJ 2.2 *Clause 3.3 Sand bedding and Jointing*

An approved weed killer with a year guarantee must be mixed into the bedding sand.

PSMJ 3 *Scheduled Items*

PSMJ 3.1 *Clause 8.2.3 Cutting units to fit*

No separate items will be scheduled for straight, raking and circular cutting. The length measured will be the length of that part of the edge restraint where it is necessary to cut the units to fit.

The rate shall cover the cost of cutting, waste of material, delays and disruption of the programme.

PSMK *KERBING AND CHANNELING*

The following variations are applicable to the standard specification of SABS 1200 MK.

PSMK 1 *Materials*

PSMK 1.1 *Clause 3.2.2 Curved Kerbing*

The nominal length of kerbing at intersections shall be 300 mm.

PSMK 1.2 *Clause 3.7 Concrete*

All concrete for in situ kerbing and edge restraints shall be 25/19, whilst precast kerbing shall be Class 30/19.

PSMK 2 *Construction*

PSMK 3 *Measurement and Payment*

PSMK 3.1 *Clause 8.2.7 Trimming of excavations*

Refer to PSD 1.1 for classification of excavations.

PSMK 3.2 *Clause 8.2.8 Cast in situ concrete lining*

The rate shall also include the cost of the surface finishing.

PSMM *ANCILLARY ROADWORKS*

The following variations are applicable to the standard specification of SABS 1200 MM.

PSMM 1 Construction

PSMM 1.1 Clause 5.2.5 Dismantling of Road Signs

Where indicated on the drawings, the Contractor shall dismantle and dispose of existing road signs.

PSMM 1.2 Roadstuds

Add the following paragraphs:

“The procurement and installation of roadstuds shall be carried out by a contractor who has in place an approved quality assurance system that has been approved by the engineer.

The roadstuds must meet the listed requirements below with respect to BS EN 1463-1.

TABLE B5715/1: ROADSTUD REQUIREMENTS

Description	BS EN 1463-1 reference	Requirements
Classification by use	Table 1	P (permanent)
Classification by reflector	Table 2	Type 3 (plastic with abrasion resistant layer)
Installation System		Bonded road stud, fixed to road using an adhesive applied to the road surface at the time of installation
Classification by design	Table 3	A (non depressible)
Dimensions: height	Clause 5.2	H2 (18mm to 20mm)
Dimensions: horizontal	Clause 5.2	HD1 (L=250mm, W=190mm, max.)
Photometric	Clause 5.3.1.1 and Tables 4 & 5	Class PRP1 Type 3 for plastic road studs
Chromaticity (colorimetric)	Clause 5.3.2 and Table 9	NCR1

Roadstuds that do not conform to the requirements must be removed. Non-conforming roadstuds are:

- Studs that are missing.
- Studs that do not meet the initial performance requirements.
- Studs that are not retro-reflecting at distances of 50m or more at night.
- Studs where either the body and/or lens is broken or damaged.
- Studs that are incorrectly aligned or incorrectly placed.
- Studs that are not fulfilling their function e.g. an incorrect body or retroreflector colour used.

A small to medium sized sedan vehicle shall be used to inspect roadstuds at night, having standard headlights and focused as required by legislation in South Africa. As an example a VW Golf Mark 1 will qualify as a standard vehicle.

All roadstuds must be fixed and installed in accordance with the manufacturer's instructions. The contractor may deviate from the manufacturer's instructions but only in so far as it exceeds the manufacturer's specifications. For example, the contractor may use a bonding agent/adhesive of a higher specification than that recommended by the manufacturer if he deems it necessary to meet the performance requirements specified herein."

PSMM 2 Measurement and Payment

PSMM 2.1 Clause 8.3 Scheduled Items for Permanent Road Signs

All road signs will be measured as per number of signs installed. The rate shall cover the cost of supplying and erecting the completed sign and post with brackets, painting, excavation and backfilling included, all to the approval of the Engineer and the local authority. Road signs to possess date of manufacture/installation and manufacturers details.

PSMM 2.2 Additional Item

Allowance for repainting at end of 12 month retention period.....Prov Sum

The provisional sum is an allowance for the possible repainting of road markings if required by the municipal authority. Tendered rates will be escalated by 7% to measure and calculate the final sum payable at retention certificate.

PSMM 2.3 Additional Item

Remove existing road markings:

- a) Lines, any thickness and colour.....m
- b) Characters, symbols and letters, any type and colour.....No
- c) Traffic Island Markings.....m²

The rate shall cover the cost to remove and obliterate existing road marking by sandblasting or water jetting as specified.

Part C4 : Site Information

C4.1. Site Information

C4.1.1 Nature of Ground and Subsoil Conditions

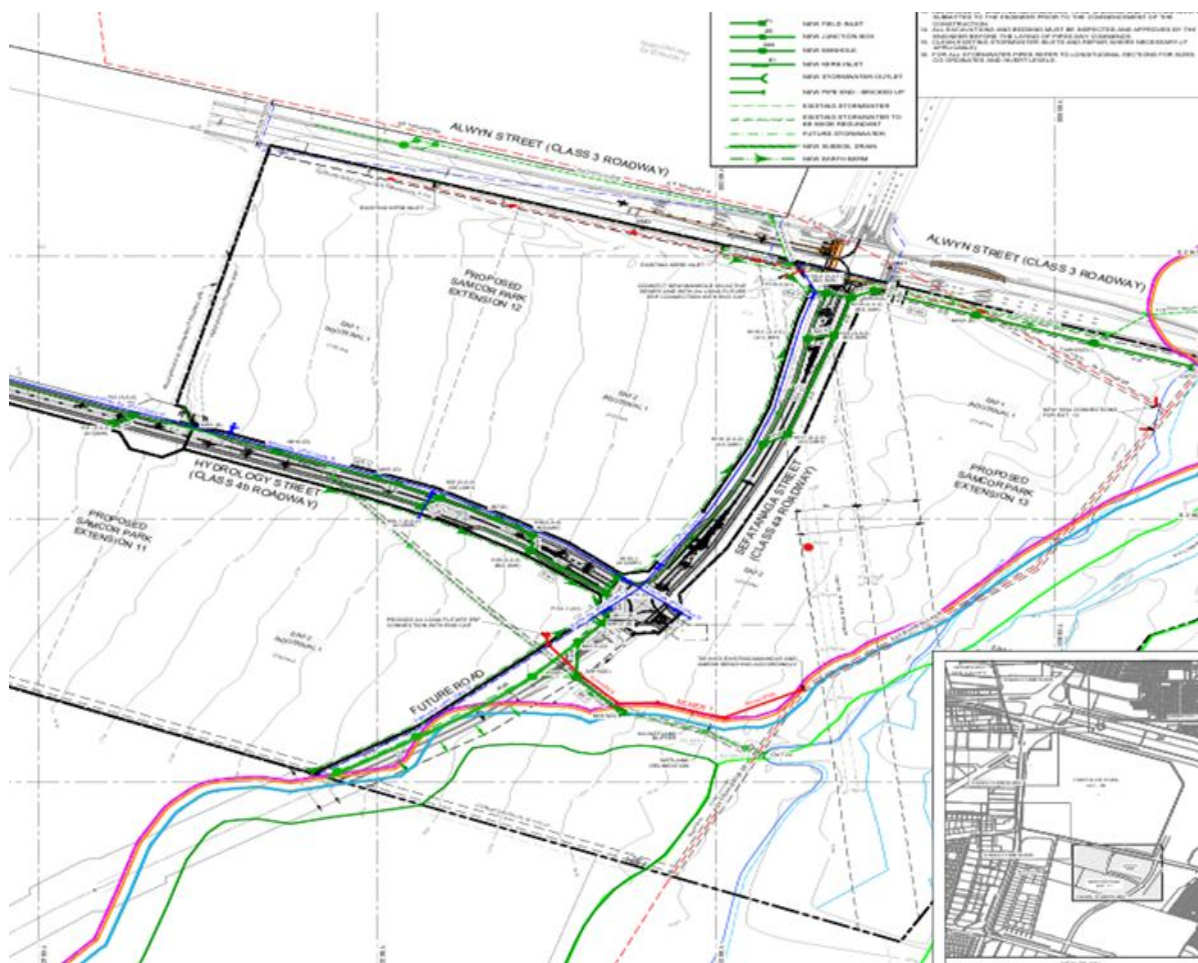
Refer to Annexure 11 for the site-specific geotechnical report.

C4.1.2. Spoil Sites and Borrow Pits

It remains the responsibility of the Contractor to find suitable spoil and borrow sites.

C4.1.3. Locality Plan

A locality plan of the site is included in Annexures.



Annexures

Annexures will be downloaded separately in the Tender Portal

Annexure 1: Site Layout Plan

Annexure 2: List of Tender Drawings

Annexure 3: Tender Drawings

Annexure 4: Excel Bills of Quantities

Annexure 5: TASEZ Occupational Health and Safety Specification

Annexure 6: Environment Management Programme (EMPR for Extension 11,12 & 13)

Annexure 7: TASEZ Baseline Risk Assessment

Annexure 8: TASEZ Employment Relations Policy

Annexure 9: Engineering and City of Tshwane Specifications

Annexure 10: Geotechnical Report

Book 2: Tender Returnables

Volume 3: Returnable Documents

T2.1: Returnable Documents Checklist

These schedules are required for Pre-Qualifications and Eligibility Purpose

T2.2	Returnable Schedules	Tender Assessment Schedule	Contract Schedule	Check
Schedule 1	Proof of Attendance of the Compulsory Tender Clarification Meeting: As per the compulsory attendance of the Clarification Meeting: Eligibility Criteria Schedule	Yes		☐
Schedule 2	CIDB Registration: Construction Industry Development Board: Eligibility Criteria Schedule – Valid CIDB	Yes	Yes	☐
Schedule 3	Authority for Signatory	Yes	Yes	☐
Schedule 4	Schedule of Work carried out by the Tenderer	Yes		☐
Schedule 5	Schedule of Current Contracts	Yes		☐
Schedule 6	Proposed Key Personnel	Yes	Yes	☐
Schedule 7	Manpower Histogram	Yes		☐
Schedule 8	Schedule of Proposed Sub-Contractors	Yes		☐
Schedule 9	Schedule of Plant and Equipment	Yes		☐
Schedule 10	Proposed Work Programme and Methodology	Yes		☐
Schedule 11	Financial References	Yes		☐
Schedule 12	Estimated Monthly Expenditure	Yes		☐
Schedule 13	Protection of Personal Information: Consent	Yes		☐
Schedule 14	Form Concerning Fulfilment of Construction Regulations, 2014	Yes	Yes	☐
Schedule 15	Occupational Health and Safety Act Specifications	Yes	Yes	☐
Schedule 16	Record of Addenda to Tender Documents	Yes		☐
Schedule 17	Original Valid SARS Tax Compliance, BBBEE Validation and COID Certificates	Yes		☐
Schedule 18	Preliminary Programme	Yes		☐
Schedule 19	Records of Proposed Amendments to the Contract Documents	Yes		☐
C1.1	Form of Offer, Acceptance and List of Deviations	Yes	Yes	☐
C1.2	Contract Agreement	Yes	Yes	☐
C1.3	Contract Data (Part 1: Data provided by the employer/client)	Yes		☐
C1.4	Contract Data (Part 2: Data provided by the contractor)	Yes	Yes	☐
C1.5	Agreement in terms of the Occupational Health and Safety Act (No. 85 of 1993)	Yes	Yes	☐
C1.6	Certificate of Authority for Signatory to Agreement in terms of OHS (Act 85 of 1993)	Yes	Yes	☐
C1.7	Form of Performance Security	Yes	Yes	☐
C1.8	Pro-Forma: Insurance Undertaking	Yes	Yes	☐
C2.2	Bill of Quantities	Yes		☐
	SBD 4.1 – Disclosure of Interest	Yes	Yes	☐
	SBD 6.1 – Preference Points Claim Form	Yes	Yes	☐

T2.2: Returnable Schedules

Schedule 1: Proof of Attendance of the Compulsory Tender Clarification Meeting

An attendance register will be made available in the briefing and Bidders must sign the register as proof of attendance.

TASEZ will use the attendance register to certify attendance at the compulsory briefing.

Schedule 2: CIDB Registration

Bidders are to indicate their CIDB Grading by filling in the table below and attach a copy of the Valid CIDB Grading Designation or evidence of being so registered.

Note:

TASEZ will confirm the activity and validity of grading through the CIDB website. Bidders whose status is suspended, de-registered and expired, will be deemed non-responsive.

Schedule 3: Authority for Signatory

Indicate the status of the Bidder by ticking the appropriate box hereunder. The Bidder must complete the certificate set out below for the relevant category.

A Company	B Partnership	D Sole Proprietor	E Close Corporation

A: Certificate for Company

I,, chairperson of the board of, hereby confirm that by resolution of the board (copy attached) taken on 20....

Mr/Ms, acting in the capacity of, was authorised to sign all documents in connection with this tender for **Contract No RFP/27/2025** and any contract resulting from it on behalf of the company.

As witnesses:

1. Chairman:
2. Date:

B. Certificate for Partnership

We, the undersigned, being the key partners in the business trading as, hereby authorise Mr/Ms, acting in the capacity of, to sign all documents in connection with this tender for **Contract No RFP/27/2025** and any contract resulting from it on our behalf.

Name	Address	Signature	Date

Note: This certificate is to be completed and signed by all key partners upon whom rests the direction of the affairs of the Membership as a whole.

C. Certificate for Sole Proprietor

I,, hereby confirm that I am the sole owner of the business trading as

As witnesses:

1. Sole Owner:

2. Date:

D. Certificate for Close Corporation

We, the undersigned, being the key members in the business trading as, hereby authorise Mr/Ms, acting in the capacity of, to sign all documents in connection with this tender for **Contract No RFP/27/2025** and any contract resulting from it on our behalf.

Name	Address	Signature	Date

Note: This certificate is to be completed and signed by all key partners upon whom rests the direction of the affairs of the membership as a whole.

Schedule 4: Schedule of Work carried out by the Bidder

The Bidders shall list below the construction contracts of a similar nature awarded to them over the last 10 years. This information is material to the adjudication of the Tender.

Employer / Client (Contact Person, Tel No and Email Address)	Employer Representative / Engineer / Project Manager / Principal Agent (Contact Person, Tel No and Email Address)	Nature of Work	Value of Work	Year of Completion

Signature:

Date:

(of person authorised to sign on behalf of the Bidder)

Schedule 5: Schedule of Current Contracts

The following is a statement of contracts that are being executed by myself/ourselves, which will only be completed after the closing date for tenders:

EMPLOYER/ CLIENT (Name, Tel No. and Email)	EMPLOYER REPRESENTATIVE/ ENGINEER / PROJECT MANAGER/ PRINCIPAL AGENT (Name, Tel No. and Email)	Description of Contract	Value of work inclusive of VAT (Rand)	Dates		
				Start	Contractual Completion	Anticipated completion

Signature:

Date:

(of person authorised to sign on behalf of the Tenderer)

Schedule 6: Proposed Key Personnel

The Tenderer shall list below the key personnel nominated, whom he proposes to employ on the contract should his offer be accepted, both at his headquarters and on the Site, to direct and for the execution of the work, together with their qualifications, experience, positions held and their nationalities.

Designation	Name and Nationality of Nominee	Summary of Qualifications, Experience and Present Occupation
Construction Manager		
SHE Officer/Manager		
Site Foreman		
Environmental Officer		

A Construction Manager may not be nominated for two (2) or more competing bidders as this constitutes a Conflict of Interest.

Signature: Date:
(of the person authorised to sign on behalf of the Tenderer)

CURRICULUM VITAE FORMAT OF KEY PERSONNEL

A CV of each key staff member should be attached to this schedule. The brief CV should be structured under the following headings:

- Personal particulars (Name/address/contact details)
- A Brief Professional Summary (not more than 200 words)
- Tertiary Education (Name of Institution, Qualifications, date achieved)
- Professional Registration (Name, professional Body, PR. Number)
- List of Projects including Roads and Stormwater projects worked on, indicating:
 - Project details/scope
 - Role/Position
 - Key responsibilities/deliverables
 - Project duration

- Project value
 - Project status
 - Name of current employer and position in enterprise
 - Overview of post-qualification experience (year, organisation and position)
 - Outline of recent assignments/experience that has a bearing on the scope of work
- the form below can be completed.

PROPOSED POSITION OF KEY PERSON: CONSTRUCTION MANAGER

Certification:

I, the undersigned, certify that, to the best of my knowledge and belief, this data correctly describes me, my qualifications and my experience. I also confirm that I will be available for these projects.

Signature Date:

(of the person named in the schedule)

Signature: Date:

PROPOSED POSITION OF KEY PERSON: SITE FOREMAN

Certification:

I, the undersigned, certify that, to the best of my knowledge and belief, this data correctly describes me, my qualifications and my experience. I also confirm that I will be available for these projects.

Signature Date:

(of the person named in the schedule)

Signature: Date:

PROPOSED POSITION OF KEY PERSON: SAFETY OFFICER/MANAGER

Certification:

I, the undersigned, certify that, to the best of my knowledge and belief, this data correctly describes me, my qualifications and my experience. I also confirm that I will be available for these projects.

Signature Date:

(of the person named in the schedule)

PROPOSED POSITION OF KEY PERSON: ENVIRONMENTAL OFFICER

Certification:

I, the undersigned, certify that, to the best of my knowledge and belief, this data correctly describes me, my qualifications and my experience. I also confirm that I will be available for these projects.

Signature Date:

(of the person named in the schedule)

Signature: Date:

Schedule 7: Manpower Histogram

The Tenderer shall indicate his proposed manpower histogram

Contractor Manpower Requirements Histogram							
(To include Main Contractor and Sub-Contractors)							
People and Skills Requirements – Time Frame							
Client:		Contract Name:			Contractor:		
Area:		Contract Number:			Contact Person:		
Project		Anticipated Starting Date:			Contact Details:		
		Anticipated Completion Date:			Email Address:		
Job Title	Locally Sourced	1st Requirement:	2nd Requirement:	3rd Requirement:	4th Requirement:	5th Requirement:	

	Task Grades (Civil/ Building) Or Job Categories (Mech. / Struct. / Elect. / Instrumentation) - Indicate as per wage schedule:	Month Required	Manpower Required	Month Required	Manpower Required	Month Required	Manpower Required	Month Required	Manpower Required	Month Required	Manpower Required	Total Required

Notes:

1. Locally sourced - means anyone who is sourced as a unit of labour in target area 1
2. Month required - means the month in which the people would be required by the contractor
3. Manpower required - means the number of people required on each occasion. This figure is not cumulative
4. Each main contractor has to complete their own schedule and has to do the same for each of its sub-contractors on separate sheets
5. These projections are used for planning purposes - it is not contractual and should therefore be your best estimate to assist in the process

Signed By: _____ Contractor Representative	Date: _____
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Schedule 8: Schedule of Proposed Sub-Contractors

I/We hereby notify you that it is my/our intention to employ the following Sub-Contractors for work in this contract.

Names and Addresses of Proposed Sub-Contractors	Nature and Extent of Work to be Sub-Contracted	Previous Experience with Sub-Contractor or Recent Work Executed by the Sub-Contractor	Local Based (Yes Or No)	BEE Level (Indicate)

[illegible]

Signature: Date:
(of the person authorised to sign on behalf of the Tenderer

Schedule 9: Schedule of Construction Plant and Equipment

The bidder shall state below what Construction Equipment will be available for the work should he be awarded the Contract.

The following are lists of major Construction Plant and Equipment that I/We presently own or lease and will have available for this contract should my/our tender be accepted.

a) Details of major equipment that is owned by me/us and immediately available for this contract:

Description (Type, Size, Capacity, Etc.)	Quantity	Year of Manufacture	Wet Rate / Hr
--	----------	---------------------	---------------

Attach additional pages if more space is required

b) Details of Major Plant & Equipment that will be hired, or acquired for this contract should my/our tender be accepted:

Description (Type, Size, Capacity Etc.)	Quantity	How Acquired		
		Wet Rate/Hr	Hire / Buy	Source

Attach additional pages if more space is required.

SIGNATURE: DATE:

Schedule 10: Proposed Work Programme and Methodology

The bidder shall affix to this page:

Their proposed programme and methodology indicating as a minimum:

- Commencement Date
- Site Establishment
- Procurement timelines
- Design Completion for Construction date
- Construction Commencement
- Overall Planned Completion (Taking Over per FIDIC Redbook 2017 Clause 10.1)

- Planned Completion of the various Sections (Roads, intersections, stormwater etc) (Taking Over per FIDIC Redbook 2017 Clause 10.1)
- Critical Path; and
- Overall Anticipated Resources (People, with targets as per ERP policy and Equipment)

Schedule 11: Financial References

Financial Statements

I/We agree, if required, to furnish an audited copy of the latest set of financial statements together with my/our Directors' and Auditors' report for consideration by the Employer.

Details of Company's Bank

I/We hereby authorise the Employer/Engineer to approach all or any of the following banks for the purposes of obtaining a financial reference:

Description of Bank Detail	Bank Details Applicable to Tenderer's Head Office
Name of Bank	
Branch Name	
Branch Code	
Street Address	
Postal Address	
Name of Manager	
Telephone Number	()
Fax Number	()
Account Number	

Signature: Date:
 (of person authorised to sign on behalf of the Tenderer)

Schedule 12: Estimated Monthly Expenditure

The Tenderer shall state below the estimated value of work to be completed every month based on his preliminary programme and his tendered unit rates.

*** The amounts for Contingencies and contract price adjustment (if applicable) must be included**

Month	Value
-------	-------

1	R
2	R
3	R
4	R
5	R
6	R
7	R
8	R
9	R
10	R
11	R
12	R

Signature:

Date:

(of person authorised to sign on behalf of the Tenderer)

Schedule 13: Protection of Personal Information: Consent

The introduction of The Protection of Personal Information Act (POPIA) ensures the regulation of personal information through its entire life cycle of collection, transfer, storing and deletion.

As part of its business activities, the Tshwane Automotive Special Economic Zone (TASEZ) obtains and requires access to personal data from a wide range of internal and external

parties, including without limitation bidders who respond to requests for proposals that are published by the TASEZ from time to time. The TASEZ confirms that it shall process the information disclosed by Bidders for the purpose of evaluating and subsequently awarding/appointing a successful Bidder.

To comply with procurement principles, set out in Section 217 of the Constitution and national procurement legislative prescripts, the names of all entities that submitted a bid, the tendered price thereof and the subsequent award will be made public.

The TASEZ hereby states that it does not and will never modify, amend, or alter any personal information submitted to it by a Bidder. Unless directed to do so by an order of court, the TASEZ does not disclose or permit the disclosure of any personal information to any Third Party without the prior written consent of the owner of the information.

Similarly, Bidders will from time-to-time access and will be seized with information of a personal nature pertaining to the TASEZ. Some of the information may, because of legislative compliances be available in the public domain, whilst some is uniquely provided to bidders in pursuit of procurement or other business-related activities. In this regard, the TASEZ requires that Bidders who receive or have access to its personal information, process any such information in a manner compliant with the requirements of the POPIA.

AGREEMENT

1. The TASEZ and the Bidder (the Parties) agree and undertake that upon obtaining and having access to personal information relating to either of them, they shall always ensure that:
 - a) They process the information only for the express purpose for which it was obtained.
 - b) Information is provided only to designated and authorised personnel who require the personal information to carry out the Parties' respective obligations in terms of the Procurement processes.
 - c) They will introduce and implement all reasonable measures to ensure the protection of all personal information from unauthorised access and/or use.
 - d) They have taken appropriate measures to safeguard the security, integrity, and authenticity of all personal information in its possession or under its control.
 - e) The Parties agree that if personal information will be processed for any purpose other than the one for which the accessing of the information was intended, explicit written consent will be obtained prior to the execution of such reason.

- f) The Parties shall carry out regular assessments to identify all reasonably foreseeable internal and external risks to the interception of personal information in its possession or under its control and shall implement and maintain appropriate controls in mitigation of such risks.
2. The Parties agree that they will promptly return or destroy any personal data in their possession or control which belongs to the other Party once it no longer serves the purpose for which it was collected, subject to any legal retention requirements. The information will be destroyed in such a manner that it cannot be reconstructed to its original form, linking it to any individual or organisation.
 3. Bidder's Obligations:
 - a) The Bidder is required to notify TASEZ, in writing as soon as possible after it becomes aware of or suspects any loss, unauthorised access or unlawful use of any of the TASEZs personal information.
 - b) The Bidder shall, at its own cost, promptly and without delay take all necessary steps to mitigate the extent of the loss or compromise of personal data.
 - c) The Bidder shall be required to provide the TASEZ with details of the persons affected who's thereby compromise and the nature and extent of the compromise, including details of the identity (if known) of the unauthorised person who may have accessed or acquired the personal data.
 - d) The Bidder undertakes to co-operate with any investigation relating to security breach which is carried out by or on behalf of TASEZ.

On behalf of the Bidder:

.....

Signature

.....

Date

.....

Position

.....

Name of the Bidder

On behalf of the Client:

.....
Signature

.....
Date

.....
Position

.....
Name of Client Representative

Schedule 14: Form Concerning Fulfilment of Construction Regulations, 2014

In terms of regulation 5(1) of the Construction Regulations, 2014 (hereinafter referred to as the Regulations), promulgated in 2014 in terms of Section 43 of the Occupational Health and Safety Act, 1993 (Act No 85 of 1993) the Employer shall not appoint a contractor to perform construction work unless the Contractor can satisfy the Employer that his/her firm has the necessary competencies and resources to carry out the work safely and has allowed adequately in his/her tender for the due fulfilment of all the applicable requirements of the Act and the Regulations.

Definition of a Competent Person:

"Competent person" means any person having the knowledge, training, experience and qualifications specific to the work or task being performed: Provided that where appropriate qualifications and training are registered in terms of the provisions of the South African Qualifications Authority Act, 1995 (Act No. 85 of 1995), these qualifications and training shall be deemed to be the required qualifications and training.

Tenderers shall answer the questions below.

- 1 I confirm that I am fully conversant with the Regulations and that my company has (or will acquire/procure) the necessary competencies and resources to timeously, safely and successfully comply with all of the requirements of the Regulations.

(Tick)

Yes	
No	

Signature :..... :

Name:

- 2 Proposed approach to achieve compliance with the Regulations (Tick)

Own resources, competent in terms of the Regulations (refer to 3 below)	
Own resources, still to be hired and/or trained (until competency is achieved)	
Specialist subcontract resources (competent) – specify:	

- 3 Provide details of proposed key persons, competent in terms of the Regulations, who will form part of the Contract team as specified in the Regulations (CVs to be attached):

.....

.....

.....

.....

.....

.....

- 4 Provide details of proposed training (if any) that will be undergone:

.....

.....

.....

.....

.....

.....

- 5 Potential key risks identified and measures for addressing risks:

.....

.....

.....

.....

.....

.....

- 6 I/we have fully included in my tendered rates and prices (in the appropriate payment items provided in the Schedule of Quantities) for all resources, actions, training and any other costs required for the due fulfilment of the Regulations for the duration of the construction and defects repair period.

(Tick)

Yes	
No	

- 7 I have fully included in my tendered rates and prices (in the appropriate payment items provided in the Schedule of Quantities) for all resources, actions, training and any other costs required for the due fulfilment of the Regulations for the duration of the construction and defects repair period.

Signed at _____ on this, the _____ Day of _____ 20 _____

Witness

Name in Block Letters

For and on behalf of Contractor

Signature of person(s) authorised to sign this Tender

Contractors Signature (1)

I.D of Signatory (1)

Contractors Signature (2)

I.D of Signatory (2)

Schedule 15: Occupational Health and Safety Act Specifications

Safety, Health and Environment Specification for Construction Work

The Contractor shall submit Annexure A with the SHE File upon acceptance of appointment with the information listed on the table below but not limited to.

OHSSS Item No.	OHSSS Requirement	OHSA Requirement	Submission Date
2.3.1	Construction work permit submitted to the Department of Labour by the Client – CR 3	A copy of completed Annexure 1 with signed construction work permit certificate from DoL	Before the commencement of construction work.
2.3.2	Assignment of Construction Manager and Supervisor (CM & CS) for management and supervision of construction work on full-time basis on site – CR 8(1) and CR 8(7)	Signed appointment letter, CM's profile, and certified copy of (ID, qualifications, short courses attended) registered with SACPCMP (where necessary)	
2.3.3	Assignment of Construction Health and Safety Officer or Manager (CHSO/CHSM) to assist in the control of all SHE related aspects on site – CR 8(5)	Signed appointment letter, CHSO/CHSM's profile, certified copy of (ID, qualifications, short courses attended) registered with SACPCMP (where necessary)	
2.3.4	Construction work site Organogram	Designation and Names of Persons appointed to relevant Sections and Regulations	
2.3.5	Assignment of Competent responsible persons as per project scope of work aligned with site organogram	- Designation and Names of Persons appointed for relevant Sections and Regulations of relevant Legislation. - Proof of competent certificates	
2.3.6	Registration with Compensation Fund or approved License Insurer in terms of Occupational Injuries and Diseases Act, Act (130 of 1993), CR 5(1)(j)	Valid proof of letter of good standing	
2.3.7	Prepared SHE Policies – Section 7	Signed SHE policies as per Tender SHE Specifications	
2.3.8	Prepared Baseline Risk Assessment (BRA) – Hazard Identification and Risk Assessment – CR 9(1)	Signed BRA specific to the project scope of work	
2.3.9	Prepared Method Statements read with Safe Working Procedures	Signed method statements as per Tender SHE Specifications	
2.3.10	Prepared Health, Safety and Environmental Plans – - Health and Safety Plan - Environmental Management Plan - Fall Protection Plan - Temporary Works plan - Demolition Plan - Emergency Preparedness and Response Plan	Signed HSP specific to the Tender SHE Specifications	

2.3.11	Documents, Training, Records and Registers – CR 7(1)(b)	Prepared registers, documents and records as per Tender SHE Specifications	
2.3.12	Medical examinations of all employees specific to the work to be performed – pre and exits - CR 7(1)(g)	Proof of valid medical certificates issued by Occupational Health Practitioner with completed Annexure 3 and copies of employees' ID	
2.3.13	Mandatory agreement entered between two parties - Section 37.2	Signed copy of mandatory agreement by the Client and Principal Contractor	
2.3.14	Prepared Health and Safety Site Specifications (HSSS) by the Client - CR 5(1)(b)	Signed copies of HSSS Specifications	
2.3.15	Prepared Baseline Risk Assessment (BRA) by the Client - CR 5(1)(a)	Signed copy of BRA specific to the project scope of work	
2.3.16	Drawing Designs	Approved drawing designs by the Authorities	
2.3.17	Appointment letters CR5(1)(k)	Signed appointment letters by the Client and Principal Contractor	
2.3.18	Project Environmental Specification (PES)	Signed copies of PES Specifications	

“NB” The above documents should comply with the Disaster Management Act, 2002 (Act 57 of 2002) read with COVID-19 Regulations

Abbreviations:

SHE: Safety, Health and Environment

CR: Construction Regulations 2014

OHSA: Occupational Health and Safety Act and Regulations, Act (85 of 1993)

OHSSS: Occupational Health and Safety Site Specification

Acknowledgement:

I, _____ representing
 _____ Contractor / Agent have satisfied myself with the content of the OHSSS and shall ensure that the Contractor and his / her personnel comply with all relevant obligations in respect thereof. I furthermore have fully included in my tendered rates and prices (in the appropriate payment items provided in the Schedule of Quantities) for all resources, actions, training and any other costs required for the due fulfilment of the OHSA for the duration of the construction work and defects liability period.

 Signature of Contractor

 Date

 Signature of Agent

 Date

Schedule 16: Record of Addenda to Tender Documents

We confirm that the following communications received from the Client before the submission of this tender offer, amending the tender documents, have been taken into account in this tender offer:

No	Date	Title or Details
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

Attach additional pages if more space is required.

Signed: Date:

Name: Position:

Signature: Date:

(of the person authorised to sign on behalf of the Tenderer)

Schedule 17: Original Valid SARS Tax Compliance, BBBEE Validation and CIDB Certificates

1. The Tenderer shall attach to this page a valid and original SARS Tax Compliance Certificate.

The original and Valid Certificate attached

☐ Yes ☐ No

2. The Tenderer shall attach to this page a certified copy of the BBBEE Validation Certificate issued by an accredited Verification Agency and/or financial statement in case of an EME/QSE.

In the case of Joint Ventures (JV), each JV partner must submit their BBBEE Validation Certificate.

Certified Copy attached

☐ Yes ☐ No

3. The Tenderer shall attach to this page a copy of their CIDB Registration Certificate

In the case of Joint Ventures (JV) each JV partner must submit their CIDB Registration Certificate.

Copy attached

☐ Yes ☐ No

.....

Signature

.....

Date

(of the person authorised to sign on behalf of the Tenderer)

Schedule 18: Preliminary Programme

The Tenderer shall attach hereto the anticipated construction sequence of the main work activities.

The programme shall clearly indicate the lead times for materials ordering and delivery and any other key dates also showing the critical path activities.

The programme shall conform to **Appendix B – Planning Specifications – set out at T1.21**

Schedule 19: Records of Proposed Amendments to the Contract Documents

We confirm that the following amendments in respect of the tender documents are proposed:

No.	Clause or Document Number	Details
1		
2		
3		
4		
5		
6		
7		
8		
9		

10		
----	--	--

Attach additional pages if more space is required.

SIGNATURE: DATE:

(of the person authorised to sign on behalf of the Tenderer)

Part C1: Agreements and Contract Data

C1.1: Form of Offer, Acceptance and List of Deviations

Offer

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

RFP/27/2025: Construction of Roads, stormwater, sewer, water and various upgrades to surrounding intersections

The Tenderer, identified in the Offer signature block, has examined the documents listed in the Tender Data and addenda thereto as listed in the returnable schedules, and by submitting this offer has accepted the conditions of tender.

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

The Offered Total Price Inclusive of Value Added Tax (VAT) Is

The offered total of the Prices exclusive of VAT is	R _____
Value Added Tax @ 15% is	R _____
The offered total of the Prices inclusive of VAT is	R _____
(in words): _____ _____ _____ _____	

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

Signature(s)

Name(s)

Capacity

for the

Tenderer

(Name and address of organisation)

Name and
signature of

witness

Date

CIDB Registration No: _____

Acceptance (To be Completed by the Employer)

By signing this part of this form of offer and acceptance, the employer identified below accepts the tenderer's offer. In consideration thereof, the Employer shall pay the Contractor the amount due in accordance with the conditions of contract identified in the contract data. Acceptance of the tenderer's offer shall form an agreement, between the employer and the tenderer upon the terms and conditions contained in this agreement and in the contract that is the subject of this agreement.

The terms of the contract, are contained in

- Part C1 Agreements and contract data, (which includes this agreement)
- Part C2 Pricing data
- Part C3 Scope of work
- Part C4 Site information

and drawings and documents or parts thereof, which may be incorporated by reference into Parts C1 to C4 above (including all Annexures).

Deviations from and amendments to the documents listed in the tender data and any addenda thereto as listed in the tender schedules as well as any changes to the terms of the offer agreed by the tenderer and the employer during this process of offer and acceptance, are contained in the schedule of deviations attached to and forming part of this agreement. No amendments to or deviations from said documents are valid unless contained in this schedule.

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

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

Signature(s)

Name(s)

Capacity

for the

Employer

(Name and address of organisation)

Name and

signature of

witness

Date

Schedule of Deviations – (To be completed by both Parties Together)

Notes:

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

Subject

Details

Subject	_____
Details	_____

Subject	_____
Details	_____

Subject	_____
Details	_____

Subject	_____
Details	_____

Subject	_____
Details	_____

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

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

For the Tenderer:

Signature(s)	
Names	
Capacity	

.....
(Name and address of organisation)

Name and
signature of
witnessDate.....

For the Employer:

Signature(s)

Names

Capacity

.....
(Name and address of organisation)

Name and
signature of
witnessDate.....

C1.2: Contract Agreement

This Agreement made the _____ day of _____

Between

TASEZ (PTY) LTD

(Registration No.: 2020/214518/07)

of

Building 21

Council for Scientific and Industrial Research (CSIR), Meiring Naudé Road; Brummeria;
Pretoria

(hereinafter called "the Employer") of the one part,

and

Name of Contractor: _____

(Registration No. _____)

of

Address of Contractor: _____

(hereinafter called "the Contractor") of the other part

Whereas the Employer/Client desires that the Works known as:

Contract No. RFP/27/2025

Contract Description: Construction of Roads, stormwater, sewer, water and various upgrades to surrounding intersections

should be executed by the Contractor and has accepted a Tender by the Contractor for the execution and completion of these Works and the remedying of any defects therein.

C1.3: Contract Data

Part 1: Contract Provided by the Employer / Client

C1.2.1 General Conditions of Contract

The *Conditions of Contract for Construction Contract 2nd Edition*, Second Edition ("Red Book") 2017 as published by the International Federation of Consulting Engineers (FIDIC) are applicable to this Contract.

Copies of these conditions of contract may be obtained from the South African Institution of Civil Engineering (Tel. 011 805 5947) or the South African Association of Consulting Engineers (Tel. 011 463 2022).

The Contract Data (including variations and additions) shall amplify, modify or supersede, as the case may be, the Conditions of Contract to the extent specified below, and shall take precedence and shall govern.

Each item of data given below is cross-referenced to the clause in the Conditions of Contract to which it mainly applies.

Particular Conditions of Contract Part A – Contract Data

Clause No.	Description	TASEZ Wording
1.1 Definitions		
1.1.27	Defects Notification Period (DNP):	365 Days calculated from the date on which the Works is completed
1.1.31	Employer's name and address:	Name: Tshwane Automotive Special Economic Zone Address: Building 21, Council for Scientific and Industrial Research (CSIR), Meiring Naudé Road; Brummeria; Pretoria
1.1.30	Engineer's name	The Employer's Agent is: Civil Concepts (Pty) Ltd The Lead Consultant is: Civil Concepts (Pty) Ltd The Engineer is: Civil Concepts (Pty) Ltd
1.1.84	Time for Completion:	8 (Months) months after the Commencement Date including the builders shut down period (The bidder shall allow for SMME procurement in his programme)
1.3 Notices and Other Communications		
1.3 (a)(ii)	Agreed methods of electronic transmission:	System of electronic communication accepted for communications via email only and not via SMS, MMS, WhatsApp or any other social media platform
1.3 (d)	Address of Employer for communications:	Physical address: Building 21, Council for Scientific and Industrial Research (CSIR), Meiring Naudé Road; Brummeria; Pretoria Email address: andiles@tasez.co.za
1.4 Law and Language		
1.4	The contract shall be governed by the law of:	The Republic of South Africa
1.4	Ruling language:	English
1.4	Language for communications:	English
1.15 Limitation of Liability		
1.15	Total liability of the Contractor to the Employer/Client under or in connection with the Contract:	10% of the Contract Price
2.1 Right of Access to the Site		
2.1	Right of Access to Site:	Is subject to the Contractor providing the Employer/Client with: • H&S File compliant with the Scope • Construction Permit as issued by Department of Employment and Labour • Detailed Design and Construction Programme
4.2 Performance Security		

Clause No.	Description	TASEZ Wording
4.2	Performance Security:	10% of the Contract Price until the date the Taking-Over Certificate is issued in accordance with clause 10; and 5% until the date the Performance Certificate is issued in accordance with clause 11.9 The period for submission of Performance Security is within 14 (fourteen) days of the Appointment Date.
4.19 Temporary Utilities		
4.19	Period of payment for Temporary Utilities:	30 Days
5.1 Subcontractors		
5.1 (a)	Maximum allowable accumulated value of work subcontracted (as a percentage of the Accepted Contract Amount):	60%
5.1 (b)	Part of the Works for which subcontracting is not permitted:	None
5.1.	Subcontractors for which the Contractor shall give Notice before appointment:	All Subcontractors
6.5 Working Hours		
6.5	Normal working hours on the site:	Working days shall be seven (7) days per week 9.5hrs <i>Where required</i> it will be 19 hours per day made of two shifts of 9.5 hours each. including all gazetted public holidays.
8.3 Programme		
8.3	Programme	The programme shall be submitted in MS Project format as well as in colour PDF format.
8.8 Delay Damages		
8.8	Delay Damages:	Delay Damages amount calculated in accordance with percentages (%) of the Contract Price in the proportions of the currencies in which the Contract Price is payable, detailed in the schedule below and capped at seven percent (7%) of the Contract Price at the Time for Completion Date. And will be payable in the following increments: ● 0.1% per day of 70% of the total Contract Price at the Take Over Date, for the first 10 days of delay.

Clause No.	Description	TASEZ Wording
		● 0.2% per day of 70% of the total of the Contract Price at the Take Over Date, for the 11th to the 20th day of delay, ● 0.4% per day of 70% of the total of the Contract Price at the Take Over Date, for the 21st to the 25th day of delay, ● 1% per day of 70% of the total of the Contract Price at the Take Over Date, for the 26th to the 30th day of delay.
14.2 Advance Payment		
14.2	Advance Payment:	Advance Payment by the Employer is not permitted for this Contract
14.3 Application for Interim Payment		
14.3 (i)	Percentage of retention:	10% reducing to 5% upon the issue of a Taking-Over Certificate
14.3 (iii)	Limit of Retention Money (as a percentage of Accepted Contract Amount):	10% of Contract Value
14.7 Payment		
14.7 (b)(i)	Period for the Employer/Client to make interim payments to the Contractor under Sub-Clause 14.6 [Interim Payment]:	30 Days (However, the Employer/Client will endeavour to make payment within 15 days after the Statement and supporting information is approved and submitted).
14.7 (b)(ii)	Period for the Employer/Client to make interim payments to the Contractor under Sub-Clause 14.13 [Final Payment]:	30 Days
14.7 (c)	Period for the Employer/Client to make final payment to the Contractor:	30 Days
14.7 (b)(i)	Period for the Contractor to make interim payments to the SMME/ Subcontractor under Sub-Clause 14.6 [Interim Payment]: Immaterial of whether the Employer made payment to the Main Contractor or not	15 Days (Employer/Client will endeavour to make payment within 15 days after the Statement and supporting information is approved and submitted).

Clause No.	Description	TASEZ Wording
14.7 (b)(ii)	Period for the Main Contractor to make interim payments to the SMME/Sub-Contractor under Sub-Clause 14.13 <i>[Final Payment]</i> : Immaterial of whether the Employer/Client made payment to the Main Contractor or not	30 Days
14.7 (c)	Period for the Main Contractor to make final payment to the SMME/ Sub-Contractor: Immaterial of whether the Employer/Client made payment to the Main Contractor or not	30 Days
14.8 Delayed Payment		
14.8	Financing charges for delayed payment (percentage points above the average bank short-term lending rate as referred to under sub-paragraph (a)):	Clause 14.8 of the contract shall apply as is.
14.15 Currencies of Payment		
14.15	Currencies for payment of Contract Price:	The currency for all payments in terms of the Contract shall be the South African Rand (ZAR)
19.1 Insurance (General Requirements)		
19.1	Period for submission of insurance:	Evidence of insurance: 14 days Relevant policies: 14 days
19.2 Insurance to be Provided by the Contractor		
19.2.1(b)	Additional amount to be insured (as a percentage of the replacement value, if less or more than 15%)	15 % to apply
19.2.1(iv)	List of Exceptional Risks which shall not be excluded from the	None

Clause No.	Description	TASEZ Wording
	insurance cover for the Works:	
19.2.3(a)	Amount of insurance required for liability for breach of professional duty:	150% of the design component of the contract
19.2.3(b)	Insurance required against liability for fitness for purpose:	Yes
19.2.3	Period of insurance required for liability for breach of professional duty:	10 Years
19.2.4	Amount of insurance required for injury to persons and damage to property:	Supplementary/special insurance to be effected by: Contractor For sum of: R10million per claim and R50million in the aggregate, or such insurance provided by the Contractor in excess of the stated values
19.2.6	Other insurances required by Laws and by local practice:	SASRIA
21.1 Constitution of the DAAB		
21.1	Time for appointment of DAAB:	21 Days from the date of receipt of written notice by one party from the other party requiring the appointment of a DAAB
21.1	The DAAB shall comprise:	1 member
21.2 Failure to Appoint DAAB Member(s)		
21.2	Appointing entity (official) for DAAB member(s):	Association of Arbitrators (Southern Africa)

Particular Conditions of Part B – Special Provisions

The FIDIC Conditions of Contract for Construction ("Red Book") Second Edition (2017) shall be amended as follows:

Clause No.	Description	TASEZ Wording
1.1 General Provisions		
1.1.4	Base Date:	1.1.2 is deleted and replaced by: " Base Date " means the date 7 days prior to the closing date for the submission of the Tender."

Clause No.	Description	TASEZ Wording
1.1.10	Contract:	1.1.7 is deleted and replaced by: "Contract" means the Form of Offer and Acceptance, Contract Data, the Letter of Acceptance, these General Conditions, the Employer's Requirements, the specifications, the Schedules, and the further documents (if any) which are listed in the Form of Offer and Acceptance, and further includes drawings and documents or parts thereof which any of the aforesaid documents incorporated by reference."
1.1.48	Key Personnel:	1.1.42 is deleted and replaced by: "Key Personnel" shall mean as a minimum all the personnel so identified under Tender Returnable Schedule 8 i.e. SCHEDULE 8: PROPOSED KEY PERSONNEL."
1.1.71	Schedules:	1.1.62 is deleted and replaced by: "Schedules" means the document(s) entitled schedules, completed by the Contractor and submitted with his tender offer, as included in the Contract. Such document(s) shall include the identified Contract Returnable Schedules and may include data, lists and schedules of rates and/or prices."
1.1.72	Schedule of Payments:	1.1.63 is deleted and replaced by: "Schedule of Payments" means the document(s) entitled Priced Activity Schedule (C2.3), completed by the Contractor and submitted with his tender offer as Tender Returnable Schedule 23, as included in this Contract."
1.1.73	Section:	1.1.66 is deleted and replaced by: "Section" means a part of the Works specified in the Contract Data as a Section (if any), or a part of the Works specified as a Section during the course of the Contract by the Employer/Client (such Section may be an item of Plant)."
1.1.89	Employer/Client's Requirements:	New definition: "Employer/Client's Requirements" means the document titled "Part C3: Scope", as included in the Contract, and any additions and modifications to such document in accordance with the Contract.

Clause No.	Description	TASEZ Wording
		<i>Such document specifies the purpose, scope, and/or design and/or other technical criteria, for the Works, and includes the Specifications."</i>
1.1.90	Returnable Schedules:	New definition: "Returnable Schedules" means the Tender Returnable Schedules contained in Part T2 in the Tender Data, Part C2 the Pricing Data, and "Schedules of Quantities" means the document entitled Priced Activity Schedule contained in Part C2.3 in the Pricing Data and any Technical Returnable Schedules in Part T2."
1.5 Priority of Documents		
1.5	Priority of Documents:	1.1.5 is deleted and replaced by: <i>"The documents forming the Contract are to be taken as mutually explanatory of one another. For the purposes of interpretation, the priority of the documents shall be in accordance with the following sequence:</i> a) The Letter of Acceptance b) The Letter of Tender c) The Particular Conditions of Contract d) Conditions of Contract for Construction Second Edition 2017 (Red Book) published by the International Federation of Consulting Engineers (FIDIC). e) The Employer/Client's Requirements – Scope C3, C4 and Appendix f) Priced Bill of QuantitiesC2.3, g) The completed contract Tender Schedules, <i>If an ambiguity or discrepancy is found in the documents, the Employer's Representative shall issue any necessary clarification or instruction."</i>
1.6 Contract Agreement		
1.6	Contract Agreement:	1..6 is deleted and replaced by: <i>"The Parties shall enter into a Contract Agreement after the Contractor is called upon to do so by the Employer/Client. The Agreement shall be the fully completed Form of Offer and Acceptance, including the Schedule of Deviations and the Contract Agreement Page contained in the Contract Document at Part C1.1, C1.2, C1.3 and C1.4"</i>
1.12 Confidentiality		
1.12	Confidentiality:	Insert the following after the first paragraph:

Clause No.	Description	TASEZ Wording
		<i>"The Parties shall treat the details of the Works comprised in this Contract as private and confidential (save in so far as may be necessary for the purposes hereof) and shall not publish or disclose the same or any particulars thereof in any trade or technical paper elsewhere without the prior written consent of the other Party."</i>
1.13 Compliance with Laws		
1.13	Compliance with Laws:	Insert "deposits" after "taxes" in 1.13 b).
1.15 Limitation of Liabilities		
1.15	Limitation of Liabilities:	Clause 1.14 is amended by: inserting the following new sub-clause under the first paragraph "(h) Notwithstanding any contrary provision the Contractor shall be liable for indirect or consequential loss or damage incurred by the Employer/Client as a result of any negligent or intentional act by the Contractor (or his Subcontractors, employees or agents) during the design and/or execution of the Works"
3 The Employer's Representative		
3.1	The Engineer	Add the following to paragraph two (deemed full authority restrictions): "Deemed full authority of the Engineer does not apply to the restrictions outlined below. The Engineer shall obtain the specific written approval of the Employer/Client for the execution of the following functions or duties and the Contractor shall not proceed with any such additional works until the Employer/Client has duly approved and physically signed (written confirmation) a variation order and the Contractor should insist on such a signed copy of such a variation order before commencement of any additional works: - (a) The award of claims in respect of extensions of time Sub-Clause 8.5 (b) The issuing of Variation Orders, in terms of Clause 13. (c) The award of claims in respect of additional costs in terms of Sub-Clause 13.6."
3.3	Instructions of the Engineer	Add to the following paragraph to Sub-Clause 3.3: "Where the Engineer issues a written instruction that determines a reasonable date for the performance of a contractual obligation in terms of the Contract, and where the Principal Contractor fails to demonstrate compliance with the instruction, the following penalties will be imposed:

Clause No.	Description	TASEZ Wording
3.4	Replacement of the Engineer:	(a) If compliance is outstanding on the fifth day after the due date, an amount of R 5 000.00 is to be deducted from any amounts due to the Principal Contractor at the next payment date. (b) If compliance remains outstanding there-after, a penalty amount equal to double the previous amount is to be imposed for every five days that elapse. (c) The maximum penalty deduction for any outstanding instruction shall be R 1 500 000.00 and a suspension of the Works for 48 hours. In the first line of the first paragraph, replace "42" with "14".
4 The Contractor		
4.2	Performance Security:	Delete the first sentence of the second paragraph and replace with: <i>"The Contractor shall deliver the Performance Security to the Employer/Client within 14 days from the Contract Date. The Performance Security shall be issued by a Bank or Insurance Company registered or licensed to do business in the Republic of South Africa and having an Office or Banking Facility in the Republic of South Africa and shall be subject to approval by the Client and shall be in the form prescribed in the project documents or in another form approved by the Client"</i> Add the following at the end of the second paragraph: <i>"The form of Performance Security shall contain the precise wording of the document included in Part C1.7 of the Contract Data: Form of Performance Guarantee, and it shall be issued by a registered financial Service provider (FSP) registered with the National Credit Regulator (NCR) and the Financial Sector Conduct Authority (FSCA) of South Africa approved by the Employer/Client at the date when the guarantee is to be issued. "Replace the '42 days' under Sub-Clause 4.2.2 (b) and (c) with 21 days.</i>
4.3	Contractor's Representative:	Delete "before the Commencement Date" in the first sentence of the third paragraph and replace it with "within 14 days from the Commencement Date".
4.8	Health and Safety Obligations:	Add the following: <i>"The Contractor's attention is also drawn to the Health and Safety Specification contained in the Employer/Client's Requirement. The Employer/Client and the Contractor shall enter into an agreement to complete the work required for the construction of</i>

Clause No.	Description	TASEZ Wording
		the Works in terms of the provisions of Section 37(2) of the Occupational Health and Safety Act, 85 of 1993 and the Construction Regulations, 2014 promulgated thereunder. An agreement is included in the Contract Document (Part C1 in Agreements and Contract Data) and shall be completed and submitted to the Employer/Client together with a letter of good standing from the Compensation Commissioner (if not insured with a licenced compensation insurer) within fourteen (14) days after the Commencement Date. The Contractor shall ensure that any letter of good standing shall be timeously renewed in order that it remains in full force for the duration of the Contract."
4.17	Contractor's Equipment:	Add the following: "The Contractor shall provide all necessary storage facilities on Site." "The Contractor shall notify the Engineer, in writing, of the names and addresses of the owners of all major items of equipment not owned by the Contractor."
4.21	Security of the Site:	Add the following subparagraph: "(c) The Contractor shall in connection with the Works provide and maintain at his own cost all lights, guards, fencing, watching and other appropriate security measures when and where necessary or required by the Employer/Client's Representative or by any competent statutory or other authority for the protection and security of the Works and the Contractor's Equipment, or for the safety and convenience of the public and the protection of life and property."
4.22	Contractor's Operations on Site:	Add the following: "The Contractor shall protect and cover up all works as may be required and take all other precautions necessary to avoid causing damage to new and existing plant, equipment, buildings and structures. This shall inter alia apply when activities such as abrasive blasting, painting, welding, grinding, sealing, lagging and so forth, must be performed on the Site. The Contractor shall, on Completion, remove all covers and shall at his cost rectify all damage to finishes to the satisfaction of the Employer's Representative."
5.1	Subcontractors:	Add the following clause: "c) The Contractor shall supply the Employer/Client with, but not limited to, appointment report, signed sub-contractor agreements,

Clause No.	Description	TASEZ Wording
		proof of all orders placed (POs), signed invoices and payment certificates and Proof of Payments with subcontractors upon request by the Employer's Representative. Information is to be provided on each sub-order, sufficient to identify the material or equipment to which the sub-order relates."
5.2	Nominated Subcontractors	Add the following at the end of the first paragraph: "And all Subcontractors which the Contractor shall employ to the extent specified and committed to in the tender Goal Declaration (SMME Target Form under Tender Returnable Schedule, i.e. SCHEDULE 24: FORM K: CONTRACT PARTICIPATION GOAL: EME / QSE Target Form)' Add the following to Sub-Clause 5.2.3 'All payments to the Nominated Subcontractor shall be made within 7 Days after the Main Contractor receives payment from the Client/employer. Add a new Sub-Clause 5.2.4 <u>Subcontractor Disputes</u> 'The Contractor shall include in all its SMME Subcontract agreements an express obligation for the Client/Employer after a notice of dispute has been issued to be the Mediator in resolving the dispute before the dispute is resolved as per the specific Terms and Conditions of the said Subcontract.
6 Staff and Labour		
6.13	Contract Participation Goal: EME / QSE Obligations	Add the following new Clause 6.13: "The Contractor shall comply with the undertaking at Tender Schedule 24 CONTRACT PARTICIPATION GOAL: EME / QSE Target Form K and it is agreed that 10% of the Certified value per month will be retained until proof of compliance for the said month is provided"
6.14	Local Labour Requirements	Add the following new Clause 6.14: "The Contractor shall comply with the Local Labour provision to the extent of employing 70% of its Labour as defined in the Employer/Clients Requirements (EMPLOYMENT RELATIONS POLICY, PRINCIPLES AND REQUIREMENTS FOR CONSTRUCTION OF THE TSHWANE AUTOMOTIVE SPECIAL ECONOMIC ZONE), and it is agreed that 10% of the Certified value per month will be retained until proof of compliance for the said month is provided" c) The Contractor/Subcontractors shall supply to the Employer Representative with, but not limited to, monthly labour appointment reports, signed labour employment contracts, ID copies, and proof

Clause No.	Description	TASEZ Wording
		of address of all Labourers and any other documents required as per Chapter 9 Institutions. Information is to be provided on each Labourer
8 Commencement, Delays and Suspension		
8.3	Programme:	Replace "28 days" referred to in the first paragraph with "14 days": Add the following after the first paragraph: <i>"The Contractor shall incorporate any programming restrictions that may be specified in Sub-Clause 2.1 in the Particular Conditions and any Programming Restrictions as instructed by the Employer/Client."</i>
8.5	Extension of Time for Completion:	Add the following after par (e): <i>"Regarding sub-paragraph (c), no extension of the Time for Completion will be granted in respect of any delays attributed to normal climatic conditions. Normal climatic conditions shall be deemed to include normal rainfall and associated wet conditions and materials, strong winds and extremes of temperature. However, in the event that delays to critical activities exceed the number of working days listed below for each month, then exceptionally adverse climatic conditions shall be deemed to exist, and an extension of the Time for Completion shall be granted in accordance with the provisions of this Sub-Clause.</i> <i>The number of days quoted below shall be regarded as a fair estimate of the delays to be anticipated and allowed for under normal climatic conditions where adverse weather prevents or disrupts critical work.</i> <i>January: 10 days</i> <i>February: 8 days</i> <i>March: 7 days</i> <i>April: 5 days</i> <i>May: 2 days</i> <i>June: 1 days</i> <i>July: 0 days</i> <i>August: 1 days</i> <i>September: 2 days</i> <i>October: 6 days</i> <i>November: 8 days</i> <i>December: 11 days"</i>

Clause No.	Description	TASEZ Wording
8.11	Payment for Plant and Materials after Employer/Client's Suspension:	Replace subparagraph (b) with the following: <i>"(b) the Contractor has provided an advance payment guarantee in accordance with Sub-Clause 14.2 in the Particular Conditions."</i>
11 Defects after Taking Over		
11.1	Completion of Outstanding Work and Remedying Defects:	Add the following before the first paragraph: <i>"A Defects Notification Period shall commence on the date stated in the Taking-Over Certificate for the Works or a Section, or the date that taking-over is deemed to have occurred in accordance with Sub-Clause 10.1 in the Particular Conditions (as the case may be)."</i>
11.3	Extension of Defects Notification Period:	Delete the first paragraph and replace it with: <i>"The Employer/Client shall be entitled subject to Sub-Clause 20.2 [Claims for Payment and/or EOT] to an extension of the relevant Defects Notification Period for the Works or a Section if and to the extent that the Works or Section (as the case may be, and after taking-over) cannot be used for the purposes for which they are intended by reason of a defect or damage. However, a Defects Notification Period shall not be extended by more than five years."</i>
13 Variations and Adjustments		
13.4	Provisional Sums:	Add the following to the last paragraph: <i>"It shall also include a fully detailed tender Adjudication Report, which shall include and be based on three (3) quotations. Quotations shall include full technical descriptions as well as a breakdown of prices. "</i>
14 Contract Price and Payment		

Clause No.	Description	TASEZ Wording
14.7	Payment:	Delete sub-paragraphs (a) to (c) and replace them with: <i>"(a) the amount certified in each Interim Payment Certificate within 30 days after the Employer/Client receives the Statement and supporting documents; and</i> <i>(b) the amount certified in the Final Payment Certificate within 30 days after the Employer/Client receives this Payment Certificate."</i> Add the following paragraph: <i>"Notwithstanding the above, the Employer's Representative shall be empowered to withhold the delivery of a payment certificate until the Contractor has complied with his/her obligations to submit the monthly returns in terms of Sub-Clause 6.9 and 6.10 and as described in the Employer/Client's Requirements, and any delay in respect of such withholding shall extend all periods in respect of payment thereafter</i>
14.10	Statement at Completion:	Delete "Within 84 days" in the first paragraph and replace it with "Within 56 days".
14.11	Final Statement:	Delete "Within 56 days" in the first paragraph and replace it with "Within 28 days".
14.16	New Sub-Clause: Tax Invoices	<i>"Section 20(1) of the Value Added Tax Act, 89 of 1991 requires that a supplier (person supplying goods or services) who is registered as a VAT vendor issue to the recipient a tax invoice within 21 days of the date of a supply whether requested or not.</i> <i>The Contractor shall provide a tax invoice (VAT invoice) which shall be included with each Payment Certificate and a Final Payment Certificate delivered to the Employer/Client by the Employer's Representative in terms of Sub-Clause 14.6 [Issue of IPC], and Sub-Clause 14.13 [Issue of FPC], respectively. Failure by the Contractor to provide a tax invoice (VAT invoice) timeously may delay delivery of the payment certificate by the Employer's Representative and no interest shall accrue.</i> <i>Tax invoices may only be dated on or after the date of the relevant Payment Certificate as issued by the Employer's Representative."</i>
15 Termination by Employer/Client		
15.2	Termination for Contractor's Default:	Add the following to 15.2.1 (b): <i>"which shall include the failure by the Contractor to reach Take Over by the end of the Delay Damages limitation as set out under Clause 8.7."</i>

Clause No.	Description	TASEZ Wording
		Delete and replace the second paragraph under Clause 15.2.2 with: <i>"However, in the case of subparagraph (b), (f), (g) or of Sub-Clause 15.2.1[Notice], the Employer/Client may by giving a notice under Sub-Clause 15.2.1 immediately terminate and call upon the Performance Security, the date of termination shall be the date the Contractor receives this Notice."</i>
19 Insurance		
19.1	General Requirements:	Add the following at the end of the first paragraph: <i>"Save as otherwise provided in the Contract, nothing herein contained shall oblige the Insuring Party to effect any insurance which is not generally obtainable from a registered insurer in South Africa."</i>
19.2	Insurance to be provided by the Contractor:	Add the following at the end of the first paragraph: <i>"In addition to and in terms of the same conditions as the rest of this clause, the Insuring Party shall further provide special risks / supplementary insurance issued by the South African Special Risks Insurance Association (SASRIA) in respect of civil commotion, riot and strike in the same value as the works insurance."</i> Add the following at the end of the first paragraph 19.2.5: <i>"This insurance shall be in terms of the provisions of the Compensation for Occupational Injuries and Diseases Act, 130 of 1993."</i>
21 Disputes and Arbitration		
21.5	Amicable Settlement:	Add the following after the first paragraph: <i>"Any amicable settlement conducted in terms of this clause will be done by mediation in accordance with rules determined by the mediator. Where the parties fail to agree on a mediator, the mediator shall be appointed by the entity or official named in the Contract Data.</i> <i>Mediation shall be conducted without legal representation with the costs being borne equally by the parties.</i> <i>The mediator shall be authorised to end the mediation process whenever, in his opinion, further efforts at mediation would not contribute to a resolution of the dispute between the parties.</i>

C1.4: Contract Data

Part 2: Contract Data Provided by the Contractor

Item	Sub-Clause	Entry
The Contractor is:	1.1.11	Tender Returnable Schedule 1 Data to apply
The Contractor Representative is:	4.3	Tender Returnable Schedule 8 Data to apply
The Contractor's address for receipt of communications is:	1.3 (d)	e-mail: Address:
Cost plus Profit Percentage rate to be applied to Provisional Sums for overhead charges and profit:	1.1.17 13.4 (b)(ii)	_____ % (max 10% and if not filled in, it is deemed to be 5%)

C1.5: Agreement in Terms of the Occupational Health and Safety Act (No. 85 of 1993)

THIS AGREEMENT made at on this the day of in the year

between Tshwane Automotive Special Economic Zone (hereinafter called "the Client") of the one part, herein represented by

in his capacity as

and

(hereinafter called "the Mandatary") of the other part, herein represented by

.....
in his capacity as

WHEREAS the Client is desirous that certain works be constructed, **Construction of Roads, stormwater, sewer, water and various upgrades to surrounding intersections** and has accepted a Tender by the Mandatary for the construction, completion and maintenance of such Works and whereas the Client and the Mandatary have agreed to certain arrangements and procedures to be followed in order to ensure compliance by the Mandatary with the provisions of the Occupational Health and Safety Act, 1993 (Act 85 of 1993);

Now Therefore This Agreement Witnesseth as Follows:

1. The Mandatary shall execute the work in accordance with the Contract Documents pertaining to this Contract.
2. This Agreement shall hold good from its Commencement Date, which shall be the date of a written notice from the Client or Engineer requiring him to commence the execution of the Works, to either
 - (a) the date of the Performance Certificate issued in terms of Sub-Clause 11.9 of the Conditions of Contract (FIDIC 2017), as contained in Contract Data of the Contract Documents pertaining to this Contract, or
 - (b) the date of termination of the Contract in terms of Clauses 15, 16 or 17 of the Conditions of Contract (FIDIC 2017).
3. The Mandatary declares himself to be conversant with the following:
 - (a) All the requirements, regulations and standards of the Occupational Health and Safety Act (Act 85 of 1993), hereinafter referred to as "The Act", together with its amendments and with special reference to the following Sections of The Act:
 - (i) Section 8 : General duties of Clients to their employees
 - (ii) Section 9 : General duties of Clients and self-employed persons to persons other than employees
 - (iii) Section 37: Acts or omissions by employees or mandatories, and
 - (iv) Sub-section 37(2) relating to the purpose and meaning of this Agreement.
 - (b) The procedures and safety rules of the Client as pertaining to the Mandatary and to all his subcontractors.

4. In addition to the requirements of Sub-Clause 17.1 of the Conditions of Contract (FIDIC 2017) (as amended by Particular Conditions of Contract contained in the Contract Data of the Contract Documents pertaining to this Contract) and all relevant requirements of the above-mentioned documents, the Mandatary agrees to execute all the Works forming part of this Contract and to operate and utilise all machinery, plant and equipment in accordance with the Act.
5. The Mandatary is responsible for compliance with the Act by all his subcontractors, whether or not selected and/or approved by the Client.
6. The Mandatary warrants that all his and his subcontractors' workmen are covered in terms of the Compensation for Occupational Injuries and Diseases Act, 1993 which cover shall remain in force whilst any such workmen are present on site. A letter of good standing from the Compensation Commissioner to this effect must be produced to the Client upon signature of the agreement.
7. The Mandatary undertakes to ensure that he and/or subcontractors and/or their respective Clients will at all times comply with the following conditions:
 - (a) The Mandatary shall assume the responsibility in terms of Section 16.1 of the Occupational Health and Safety Act. The Mandatary shall not delegate any duty in terms of Section 16.2 of this Act without the prior written approval of the Client. If the Mandatary obtains such approval and delegates any duty in terms of section 16.2 a copy of such written delegation shall immediately be forwarded to the Client.
 - (b) All incidents referred to in the Occupational Health and Safety Act shall be reported by the Mandatary to the Department of Labour as well as to the Client. The Client will further be provided with copies of all written documentation relating to any incident.
 - (c) The Client hereby obtains an interest in the issue of any formal inquiry conducted in terms of section 32 of the Occupational Health and Safety Act into any incident involving the Mandatary and/or his employees and/or his subcontractors.

In witness thereof the parties hereto have set their signatures hereon in the presence of the subscribing witnesses:

SIGNED FOR AND ON BEHALF OF THE CLIENT:

WITNESS 1 2

NAME 1 2
(IN CAPITALS)

SIGNED FOR AND ON BEHALF OF THE MANDATARY:

WITNESS 1 2

NAME 1 2
(IN CAPITALS)

C1.6: Certificate of Authority for Signatory to Agreement in terms of OHS (Act 85 of 1993)

The signatory for the company that is the Contractor in terms of the above-mentioned Contract and the Mandatary in terms of the above-mentioned Act shall confirm his or her authority thereto by attaching to this page a duly signed and dated copy of the relevant resolution of the Board of Directors.

An example is given below:

"By resolution of the Board of Directors passed at a meeting held on 20.....,

Mr/Ms whose signature appears below, has been duly authorised to sign the AGREEMENT in terms of THE OCCUPATIONAL HEALTH AND SAFETY ACT, 1993 (ACT 85 of 1993) on behalf of

.....
.....

SIGNED ON BEHALF OF THE COMPANY :

IN HIS/HER CAPACITY AS :

DATE :

SIGNATURE OF SIGNATORY :

WITNESS: 1. 2.

NAME (in capitals): 1. 2.

C1.7: Form of Performance Security

PERFORMANCE SECURITY

For use with the General Conditions of Contract for Construction, Second Edition, 2017 (Red Book) published by the International Federation of Consulting Engineers (FIDIC).

GUARANTOR DETAILS AND DEFINITIONS

"Guarantor" means:

"Physical address:

"Employer" means Tshwane Automotive Special Economic Zone

"Contractor" means:

"Employer's Representative" means:

"Works" means Contract No. **RFP/27/2025: Construction of Roads, stormwater, sewer, water and various upgrades to surrounding intersections**

"Site" means the site as defined in Sub-Clause 1.1.67 of the General Conditions of Contract.

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

"Contract Sum" means: The accepted amount inclusive of tax of R.....

Amount in words:

"Guaranteed Sum" means: The maximum aggregate amount of R.....

Amount in words:

"Expiry Date" means: The date of issue by the Employer's Representative of the Performance Certificate.

CONTRACT DETAILS

Engineer issues: Interim Payment Certificates, Final Payment Certificate and the Performance Certificate as defined in the Contract.

PERFORMANCE SECURITY

1. The Guarantor's liability shall be limited to the amount of the Guaranteed Sum.
2. The Guarantor's period of liability shall be from and including the date of issue of this Performance SECURITY and up to and including the Expiry Date or the date of payment in full of the Guaranteed Sum, whichever occurs first. The Employer's Representative and/or the Employer/Client shall advise the Guarantor in writing of the date on which the Performance Certificate has been issued.
3. The Guarantor hereby acknowledges that:
 - 3.1 any reference in this Performance Security to the Contract is made for the purpose of convenience and shall not be construed as any intention whatsoever to create an accessory obligation or any intention whatsoever to create a suretyship
 - 3.2 its obligation under this Performance Security is restricted to the payment of money.
4. Subject to the Guarantor's maximum liability referred to in 1, the Guarantor hereby undertakes to pay the Employer/Client the sum certified upon receipt of the documents identified in 4.1 to 4.3 below:
 - 4.1 A copy of a first written demand issued by the Employer/Client to the Contractor stating that payment of a sum certified by the Employer's Representative in an Interim or Final Payment Certificate has not been made in terms of the Contract and failing such payment within seven (7) calendar days, the Employer/Client intends to call upon the Guarantor to make payment in terms of 4.2
 - 4.2 A first written demand issued by the Employer/Client to the Guarantor at the Guarantor's physical address with a copy to the Contractor stating that a period

of seven (7) calendar days has elapsed since the first written demand in terms of 4.1 and the sum certified has still not been paid

4.3 A copy of the aforesaid payment certificate which entitles the Employer/Client to receive payment in terms of the Contract of the sum certified in 4.

5. Subject to the Guarantor's maximum liability referred to in 1, the Guarantor undertakes to pay to the Employer/Client the Guaranteed Sum or the full outstanding balance upon receipt of a first written demand from the Employer/Client to the Guarantor at the Guarantor's physical address calling up this Performance Security, such demand stating that:

5.1 the Contract has been terminated due to the Contractor's default and that this Performance Security is called up in terms of 5; or

5.2 a provisional or final sequestration or liquidation court order has been granted against the Contractor and that the Performance Security is called up in terms of 5; and

5.3 the aforesaid written demand is accompanied by a copy of the notice of termination and/or the provisional/final sequestration and/or the provisional liquidation court order.

6. It is recorded that the aggregate amount of payments required to be made by the Guarantor in terms of 4 and 5 shall not exceed the Guarantor's maximum liability in terms of 1.

7. Where the Guarantor has made payment in terms of 5, the Employer/Client shall upon the date of issue of the Final Payment Certificate submit an expense account to the Guarantor showing how all monies received in terms of this Performance Security have been expended and shall refund to the Guarantor any resulting surplus. All monies refunded to the Guarantor in terms of this Performance Security shall bear interest at the prime overdraft rate of the Employer/Client's bank compounded monthly and calculated from the date payment was made by the Guarantor to the Employer/Client until the date of refund.

8. Payment by the Guarantor in terms of 4 or 5 shall be made within seven (7) calendar days upon receipt of the first written demand to the Guarantor.

9. The Employer/Client shall have the absolute right to arrange his affairs with the Contractor in any manner which the Employer/Client may deem fit and the Guarantor shall not have the right to claim his release from this Performance Security on account of any conduct alleged to be prejudicial to the Guarantor.

10. The Guarantor chooses the physical address as stated above for the service of all notices for all purposes in connection herewith.
11. This Performance Security is neither negotiable nor transferable and shall expire in terms of 2, whereafter no claims will be considered by the Guarantor. The original of this Guarantee shall be returned to the Guarantor after it has expired.
12. This Performance Security, with the required demand notices in terms of 4 or 5, shall be regarded as a liquid document for the purposes of obtaining a court order.
13. Where this Performance Security is issued in the Republic of South Africa the Guarantor hereby consents in terms of Section 45 of the Magistrate's Courts Act No 32 of 1944, as amended, to the jurisdiction of the Magistrate's Court of any district having jurisdiction in terms of Section 28 of the said Act, notwithstanding that the amount of the claim may exceed the jurisdiction of the Magistrate's Court.

Signed at:

Date:

Guarantor's signatory (1):

Capacity:

Guarantor's signatory (2):

Capacity:

Witness signatory (1):

Witness signatory (2):

C1.8: Pro Forma: Insurance Undertaking

Logo

Letterhead of Contractor's Insurance Broker

Date _____

Tshwane Automotive Special Economic Zone

Building 21, Council for Scientific and Industrial Research (CSIR), Meiring Naudé Road;
Brummeria; Pretoria

Dear Sir

Contract No.: **RFP/27/2025**

Contract Title: **Construction of Roads, stormwater, sewer, water and various
upgrades to surrounding intersections**

Name of Contractor: _____

I, the undersigned, do hereby confirm and warrant that all the insurances required in terms of the abovementioned contract have been issued and/or in the case of blanket/umbrella policies, have been endorsed to reflect the interests of TASEZ (Pty) Ltd. With regard to the abovementioned contract, all the insurances and endorsements, etc., are in accordance with the requirements of the contract.

I furthermore confirm that all premiums in the above regard have been paid.

Yours faithfully

Signed: _____

Part C2: Pricing Data

C2.1: Pricing Instructions

1. General

The Bill of Quantities forms part of the Contract Documents and must be read and priced in conjunction with all the other documents comprising the Contract Documents, which include the Conditions of Tender, Conditions of Contract, the Specifications (including the Project Specification) and the Drawings.

2. Description of Items in the Schedule

Descriptions in the Bills of Quantities are abbreviated and may differ from those in the Specifications. No consideration will be given to any claim submitted on this basis. The Schedule has been drawn up in accordance with the Standardised Specifications listed under C3.1 as amended in the Project Specifications.

Should any requirement of the measurement and payment clause of the appropriate Standardised Specification(s) be contrary to the terms of the schedule or, when relevant, to the Civil Engineering Quantities (the standard system of measurement of Civil Engineering Quantities for South Africa, published by the South African Institution of Civil Engineers), the requirement of the appropriate Standardised, Project, or Particular Specification as the case may be, shall prevail.

3. Quantities Reflected in the Schedule

The quantities given in the Bill of Quantities are estimates only, and subject to re-measuring during the execution of the work. The Contractor shall obtain the Engineer's detailed instructions for all work before ordering any materials, executing work or making arrangements for it.

The Works as finally completed in accordance with the Contract shall be measured and paid for as specified in the Bill of Quantities and in accordance with the General

and Special Conditions of Contract, the Specifications and Project Specifications and the Drawings. Unless otherwise stated, items are measured net in accordance with the Drawings, and no allowance has been made for waste.

The validity of the contract will in no way be affected by differences between the quantities in the Bill of Quantities and the quantities finally certified for payment.

4. Provisional Sums

Where Provisional sums or Prime Cost sums are provided for items in the Bill of Quantities, payment for the work done under such items will be made in accordance with Clause 13.5 of the Conditions of Contract for Construction (FIDIC 2017). The Employer reserves the right, during the execution of the works, to adjust the stated amounts upwards or downwards according to the work actually done under the item, or the item may be omitted altogether, without affecting the validity of the Contract.

The tenderer shall not under any circumstances whatsoever delete or amend any of the sums inserted in the "Amount" column of the Bill of Quantities and in the Summary of the Bill of Quantities unless ordered or authorised in writing by the Employer before closure of tenders. Any unauthorised changes made by the tenderer to provisional items in the schedule, or to the provisional percentages and sums in the Summary of the Bill of Quantities, will be treated as arithmetical errors.

5. Pricing of the Bill of Quantities

The prices and rates to be inserted by the tenderer in the Bill of Quantities shall be the full inclusive prices to be paid by the Employer for the work described under the respective items, and shall include full compensation for all costs and expenses that may be required in and for the completion and maintenance during the defects liability period of all the work described and as shown on the drawings as well as all overheads, profits, incidentals and the cost of all general risks, liabilities and obligations set forth or implied in the documents on which the Tender is based.

Each item shall be priced and extended to the "Total" column by the tenderer, with the exception of the items for which only rates are required, or items which already have Prime Cost or Provisional Sums affixed thereto. If the Contractor omits to price

any items in the Bill of Quantities, then these items will be considered to have a nil rate or price.

All items for which terminology such as "inclusive" or "not applicable" have been added by the tenderer will be regarded as having a nil rate which shall be valid irrespective of any change in quantities during the execution of the Contract.

The tenderer shall fill in rates for all items where the words "rate only" appear in the "Total" column. "Rate Only" items have been included where:

- (a) an alternative item or material is contemplated
- (b) variations of specified components in the make-up of a pay item may be expected; and
- (c) no work under the item is foreseen at the tender stage but the possibility that such work may be required is not excluded.

For "Rate Only" items no quantities are given in the "Quantity" column but the quoted rate shall apply in the event of work under this item being required. The tenderer shall however note that in terms of the Tender Data, the tenderer may be asked to reconsider any such rates which the Employer may regard as unbalanced.

All rates and amounts quoted in the Bill of Quantities shall be in rands and cents and shall include all levies and taxes (other than VAT). VAT will be added to the summary of the Bill of Quantities.

Items left unpriced will be deemed to be covered in prices against other items throughout these bills of quantities and no claim for any extras arising out of the omission to price any item will be entertained.

Variations in the scope and extent of the work included in the Bills shall be allowed to meet the Employer's requirements and shall be measured and costed at rates entered in the Bills, where appropriate, and shall form an addition to or deduction from the total of the Bills.

The rules governing the extent and costing of the variation where applicable shall apply as stated in the FIDIC Red Book Contract Edition 2017.

The tenderer is advised that any expenses incurred as a result of any verbal instruction not confirmed in writing or subsequent drawing revision issued for Construction shall be at the tenderers risk. All claims in this respect shall be nil and void.

Tenderers shall make allowance for extra over supports and fixings of all cable trays, ladder racks and all wire ways and include all cost in the rates quoted. Tenderers may submit an additional set of rates for extra over height allowance in the form as an addendum to the Bill of Quantities. An estimate of the quantities for extra over supports shall be tendered and priced accordingly. The sum total of which will be included in the tenderers price.

All outlet boxes up to 100 x 100 mm are measured as one item regardless of the number of entries.

All conduit rates shall include the termination thereof into Switchboards or any type of wireways. Conduit boxes shall always include the fixing to the conduit.

Industrial switch and plug units shall include the fixing to conduit as specified. Outlet boxes shall be without covers and draw boxes shall include covers, screws, etc.

Light switches, switch plugs, dimmer units, etc, shall include screws, cover plates and other equipment specified. All fittings and accessories always include the connections thereto. All light fittings shall be complete with lamps and tubes, unless otherwise stated in the bill.

300 mm additional length per conductor has been measured for conductors drawn into conduit, per termination point. Tenderers must allow in their rate for any conductor lengths required for his own purposes, in addition to the 300 mm measured. All cables are measured gland to gland only and allowance must be made in the rates for any additional lengths.

The tenderer is advised that the amounts for the SMME Packages contained in these Bills of Quantities include Preliminaries and General for the SMME Subcontractors.

No claims for dayworks labour rates will be accepted on this contract.

6. Correction of Entries

Incorrect entries shall not be erased or obliterated with correction fluid but must be crossed out neatly. The correct figures must be entered above or adjacent to the deleted entry, and the alteration must be initialled by the tenderer.

7. **Arithmetical Errors**

Arithmetical errors found in the Bill of Quantities as a result of faulty multiplication of addition will be corrected by the Engineer at the tender evaluation stage.

8. **Units of Measurement**

The units of measurement described in the Bill of Quantities are metric units for which the standard international abbreviations are used. Abbreviations, which may appear in the Bill of Quantities, are as follows:

No.	=	Number
%	=	Percent
Sum	=	Lump sum
PC sum	=	Prime cost sum
Prov sum	=	Provisional sum
m	=	Metre
m ²	=	Square Metre
m ³	=	Cubic Metre
t	=	Ton
kg	=	Kilogram
l	=	Litre
ea	=	Each
lot	=	Lot (complete)
Month	=	Month
ML	=	Mega litre

PART 3: SCOPE OF WORKS		
	ITEM	PG.
C3.1	Description of the Works	C3.2
C3.2	Engineering	C3.4

C3.3	Procurement	C3.6
C3.4	Construction	C3.7
C3.5	Management	C3.13
C3.6	Specifications	C3.22

C2.2 Bill of Quantities

